

CHAPTER

25

**EQUIPMENT/
FURNISHINGS**



737-7/8/8200/9/10
AIRCRAFT MAINTENANCE MANUAL

CHAPTER 25
EQUIPMENT/FURNISHINGS

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25-EFFECTIVE PAGES			25-00-00 (cont)			25-00-00 (cont)		
1 thru 9	Sep 15/2023		711	Sep 15/2021		824	Jan 15/2022	
10	BLANK		712	Sep 15/2021		825	Jan 15/2022	
25-CONTENTS			R 713	Sep 15/2023		826	May 15/2023	
1	Jan 15/2022		714	Sep 15/2022		827	Sep 15/2022	
2	Sep 15/2021		715	Sep 15/2021		828	Sep 15/2022	
3	Sep 15/2022		716	Sep 15/2021		829	Sep 15/2022	
4	Jan 15/2022		R 717	Sep 15/2023		830	Sep 15/2022	
O 5	Sep 15/2023		R 718	Sep 15/2023		831	Sep 15/2022	
O 6	Sep 15/2023		R 719	Sep 15/2023		832	Sep 15/2022	
O 7	Sep 15/2023		R 720	Sep 15/2023		25-00-00		
O 8	Sep 15/2023		R 721	Sep 15/2023		901	Sep 15/2021	
O 9	Sep 15/2023		722	Sep 15/2021		902	Sep 15/2021	
10	Jan 15/2023		25-00-00			903	Sep 15/2021	
O 11	Sep 15/2023		801	May 15/2023		904	Sep 15/2021	
O 12	Sep 15/2023		802	Sep 15/2022		905	Sep 15/2021	
13	Jan 15/2023		803	May 15/2023		906	Sep 15/2021	
14	Jan 15/2023		804	Sep 15/2021		907	Sep 15/2021	
O 15	Sep 15/2023		805	Sep 15/2021		908	BLANK	
O 16	Sep 15/2023		806	May 15/2023		25-11-00		
O 17	Sep 15/2023		807	Sep 15/2022		201	Sep 15/2021	
18	Jan 15/2023		808	Sep 15/2021		202	Sep 15/2021	
19	Jan 15/2023		809	Sep 15/2021		25-11-01		
O 20	Sep 15/2023		810	May 15/2023		401	Sep 15/2021	
21	May 15/2023		811	May 15/2023		402	Sep 15/2021	
22	May 15/2023		812	Sep 15/2022		403	Sep 15/2021	
25-00-00			813	Jan 15/2022		404	Sep 15/2021	
701	Jan 15/2023		814	Jan 15/2022		405	Sep 15/2021	
702	Jan 15/2023		815	Jan 15/2022		406	Sep 15/2021	
703	Sep 15/2022		816	Jan 15/2022		25-11-01		
704	Jan 15/2022		817	Jan 15/2022		601	Sep 15/2022	
705	Jan 15/2022		818	Sep 15/2022		602	Sep 15/2022	
706	Sep 15/2021		819	Jan 15/2022		603	Sep 15/2021	
707	Sep 15/2021		820	Jan 15/2022		604	Sep 15/2021	
708	Sep 15/2021		821	Jan 15/2022		25-11-02		
709	Sep 15/2021		822	May 15/2023		401	Sep 15/2021	
710	Sep 15/2021		823	Sep 15/2022		402	Sep 15/2021	
						403	Sep 15/2021	

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25-11-02 (cont)			25-11-21 (cont)			25-21-12 (cont)		
404	Jan 15/2023		219	Sep 15/2021		407	Sep 15/2021	
25-11-03			220	Sep 15/2021		408	Sep 15/2021	
401	Jan 15/2022		221	Sep 15/2021		409	Sep 15/2021	
402	Sep 15/2021		222	Sep 15/2022		410	BLANK	
403	Sep 15/2021		223	Sep 15/2021		25-21-20		
404	Jan 15/2022		224	Sep 15/2022		R 401	Sep 15/2023	
25-11-04			225	Sep 15/2021		R 402	Sep 15/2023	
401	Sep 15/2021		226	Sep 15/2021		O 403	Sep 15/2023	
402	Sep 15/2021		227	Sep 15/2021		O 404	Sep 15/2023	
403	Sep 15/2021		228	Sep 15/2021		O 405	Sep 15/2023	
404	BLANK		229	Sep 15/2021		O 406	Sep 15/2023	
25-11-11			230	BLANK		R 407	Sep 15/2023	
601	Sep 15/2021		25-11-22			O 408	Sep 15/2023	
602	Sep 15/2021		401	Sep 15/2021		A 409	Sep 15/2023	
603	Sep 15/2021		402	Sep 15/2022		A 410	Sep 15/2023	
604	Sep 15/2021		403	Sep 15/2022		25-21-24		
605	Sep 15/2021		404	Sep 15/2022		401	Sep 15/2021	
606	Sep 15/2021		405	Sep 15/2021		402	Sep 15/2021	
25-11-21			406	Sep 15/2022		403	Sep 15/2021	
201	Sep 15/2021		407	Sep 15/2021		404	Sep 15/2021	
202	Sep 15/2021		408	Sep 15/2022		405	Sep 15/2021	
203	Sep 15/2021		409	Sep 15/2022		406	BLANK	
204	Sep 15/2021		410	Sep 15/2021		25-21-25		
205	Sep 15/2021		25-21-01			R 401	Sep 15/2023	
206	Sep 15/2021		401	Sep 15/2021		R 402	Sep 15/2023	
207	Sep 15/2021		402	Sep 15/2021		O 403	Sep 15/2023	
208	Sep 15/2021		403	Sep 15/2021		R 404	Sep 15/2023	
209	Sep 15/2021		404	Sep 15/2021		A 405	Sep 15/2023	
210	Sep 15/2021		405	Sep 15/2021		A 406	BLANK	
211	Sep 15/2021		406	BLANK		25-21-30		
212	Sep 15/2021		25-21-12			401	May 15/2022	
213	Sep 15/2021		401	Sep 15/2021		402	Jan 15/2022	
214	Sep 15/2021		402	Sep 15/2021		403	Jan 15/2022	
215	Sep 15/2021		403	Sep 15/2021		404	Jan 15/2022	
216	Sep 15/2021		404	Sep 15/2021		405	Jan 15/2022	
217	Sep 15/2021		405	Sep 15/2021		406	May 15/2022	
218	Sep 15/2021		406	Sep 15/2021		407	Jan 15/2022	

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25-21-30 (cont)			25-21-46 (cont)			25-21-71 (cont)		
408	Jan 15/2022		O 404	Sep 15/2023		R 431	Sep 15/2023	
25-21-31			O 405	Sep 15/2023		O 432	Sep 15/2023	
401	Sep 15/2021		O 406	Sep 15/2023		O 433	Sep 15/2023	
402	Sep 15/2021		R 407	Sep 15/2023		O 434	Sep 15/2023	
403	Sep 15/2021		R 408	Sep 15/2023		R 435	Sep 15/2023	
404	Sep 15/2021		25-21-71			R 436	Sep 15/2023	
405	Sep 15/2021		R 401	Sep 15/2023		R 437	Sep 15/2023	
406	BLANK		R 402	Sep 15/2023		O 438	Sep 15/2023	
25-21-34			R 403	Sep 15/2023		O 439	Sep 15/2023	
401	May 15/2022		R 404	Sep 15/2023		O 440	Sep 15/2023	
402	May 15/2022		O 405	Sep 15/2023		R 441	Sep 15/2023	
403	Jan 15/2022		O 406	Sep 15/2023		R 442	Sep 15/2023	
404	Jan 15/2022		R 407	Sep 15/2023		R 443	Sep 15/2023	
405	Jan 15/2022		R 408	Sep 15/2023		O 444	Sep 15/2023	
406	May 15/2022		R 409	Sep 15/2023		O 445	Sep 15/2023	
407	May 15/2022		R 410	Sep 15/2023		O 446	Sep 15/2023	
408	Jan 15/2022		O 411	Sep 15/2023		O 447	Sep 15/2023	
25-21-35			O 412	Sep 15/2023		R 448	Sep 15/2023	
401	Sep 15/2021		O 413	Sep 15/2023		R 449	Sep 15/2023	
402	Sep 15/2021		O 414	Sep 15/2023		R 450	Sep 15/2023	
403	Sep 15/2021		O 415	Sep 15/2023		R 451	Sep 15/2023	
404	Sep 15/2021		O 416	Sep 15/2023		R 452	Sep 15/2023	
25-21-45			O 417	Sep 15/2023		O 453	Sep 15/2023	
401	Sep 15/2021		O 418	Sep 15/2023		O 454	Sep 15/2023	
402	Sep 15/2021		O 419	Sep 15/2023		A 455	Sep 15/2023	
403	Sep 15/2021		O 420	Sep 15/2023		A 456	Sep 15/2023	
404	Sep 15/2021		R 421	Sep 15/2023		A 457	Sep 15/2023	
405	Sep 15/2021		R 422	Sep 15/2023		A 458	Sep 15/2023	
406	Sep 15/2021		O 423	Sep 15/2023		A 459	Sep 15/2023	
407	Sep 15/2021		O 424	Sep 15/2023		A 460	Sep 15/2023	
408	Sep 15/2021		O 425	Sep 15/2023		25-22-00		
409	Sep 15/2021		O 426	Sep 15/2023		401	Sep 15/2021	
410	BLANK		R 427	Sep 15/2023		402	Sep 15/2021	
25-21-46			R 428	Sep 15/2023		403	Sep 15/2021	
R 401	Sep 15/2023		R 429	Sep 15/2023		404	Sep 15/2021	
R 402	Sep 15/2023		R 430	Sep 15/2023		405	Sep 15/2021	
O 403	Sep 15/2023							

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25-22-00 (cont)			25-23-61 (cont)			25-24-31 (cont)		
406	Sep 15/2021		A 418	BLANK		212	BLANK	
407	May 15/2023		25-24-05			25-24-31		
408	May 15/2023		401	Jan 15/2023		401	Sep 15/2022	
409	May 15/2023		402	Jan 15/2022		402	Sep 15/2022	
410	BLANK		403	Jan 15/2022		403	Sep 15/2022	
25-22-00			404	Jan 15/2022		404	Sep 15/2022	
601	Sep 15/2021		25-24-10			405	Sep 15/2022	
602	Jan 15/2023		401	Jan 15/2023		406	Sep 15/2022	
603	Sep 15/2021		402	Jan 15/2023		407	Sep 15/2022	
604	Sep 15/2021		403	Jan 15/2023		408	Sep 15/2022	
25-23-13			404	Jan 15/2023		409	Sep 15/2022	
401	Sep 15/2021		405	Jan 15/2023		410	Sep 15/2022	
402	Sep 15/2021		406	Jan 15/2023		411	Sep 15/2022	
403	Sep 15/2021		407	Jan 15/2023		412	Sep 15/2022	
404	Sep 15/2021		408	Jan 15/2023		413	Sep 15/2022	
405	Sep 15/2021		409	Jan 15/2023		414	Sep 15/2022	
406	Jan 15/2022		410	Jan 15/2023		415	Sep 15/2022	
407	Jan 15/2022		411	Jan 15/2023		416	BLANK	
408	BLANK		412	Jan 15/2023		25-24-31		
25-23-61			413	Jan 15/2023		R 601	Sep 15/2023	
R 401	Sep 15/2023		414	Jan 15/2023		602	BLANK	
R 402	Sep 15/2023		415	Jan 15/2023		25-24-40		
R 403	Sep 15/2023		416	Jan 15/2023		201	Sep 15/2021	
R 404	Sep 15/2023		417	Jan 15/2023		202	Sep 15/2021	
O 405	Sep 15/2023		418	BLANK		203	Sep 15/2021	
O 406	Sep 15/2023		25-24-31			204	Sep 15/2021	
O 407	Sep 15/2023		201	Sep 15/2021		205	Sep 15/2021	
O 408	Sep 15/2023		202	Sep 15/2021		206	Sep 15/2021	
R 409	Sep 15/2023		203	Sep 15/2021		207	Sep 15/2021	
R 410	Sep 15/2023		204	Sep 15/2021		208	Sep 15/2021	
R 411	Sep 15/2023		205	Sep 15/2021		209	Sep 15/2021	
O 412	Sep 15/2023		206	Sep 15/2021		210	Sep 15/2021	
O 413	Sep 15/2023		207	Sep 15/2021		211	Sep 15/2021	
O 414	Sep 15/2023		208	Sep 15/2021		212	Sep 15/2021	
O 415	Sep 15/2023		209	Sep 15/2021		213	Sep 15/2021	
O 416	Sep 15/2023		210	Sep 15/2021		214	Sep 15/2021	
A 417	Sep 15/2023		211	Sep 15/2021		215	Sep 15/2021	

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25-24-40 (cont)			25-25-12			25-29-07 (cont)		
216	Sep 15/2021		601	Sep 15/2021		A 206	BLANK	
217	Sep 15/2021		602	Sep 15/2021		25-29-07		
218	BLANK		603	Sep 15/2021		R 401	Sep 15/2023	
25-24-40			604	Sep 15/2021		R 402	Sep 15/2023	
R 401	Sep 15/2023		605	Sep 15/2021		R 403	Sep 15/2023	
R 402	Sep 15/2023		606	BLANK		R 404	Sep 15/2023	
R 403	Sep 15/2023		25-27-15			A 405	Sep 15/2023	
O 404	Sep 15/2023		401	Sep 15/2021		A 406	BLANK	
R 405	Sep 15/2023		402	Sep 15/2021		25-31-00		
R 406	Sep 15/2023		403	Sep 15/2021		201	May 15/2022	
R 407	Sep 15/2023		404	Sep 15/2021		202	May 15/2022	
R 408	Sep 15/2023		405	Sep 15/2021		203	May 15/2022	
R 409	Sep 15/2023		406	Sep 15/2021		204	BLANK	
R 410	Sep 15/2023		25-27-21			25-31-11		
R 411	Sep 15/2023		401	Jan 15/2023		R 201	Sep 15/2023	
R 412	Sep 15/2023		402	Jan 15/2023		R 202	Sep 15/2023	
R 413	Sep 15/2023		403	Sep 15/2021		A 203	Sep 15/2023	
R 414	Sep 15/2023		404	Sep 15/2021		A 204	BLANK	
R 415	Sep 15/2023		405	Sep 15/2021		25-31-11		
R 416	Sep 15/2023		406	Sep 15/2022		401	Jan 15/2022	
R 417	Sep 15/2023		407	Jan 15/2023		402	Jan 15/2022	
R 418	Sep 15/2023		408	Jan 15/2023		403	Jan 15/2022	
O 419	Sep 15/2023		409	Jan 15/2023		404	Jan 15/2022	
R 420	Sep 15/2023		410	BLANK		405	Sep 15/2021	
A 421	Sep 15/2023		25-27-31			406	Sep 15/2021	
A 422	Sep 15/2023		401	May 15/2022		407	Sep 15/2021	
A 423	Sep 15/2023		402	May 15/2022		408	Sep 15/2021	
A 424	BLANK		403	Sep 15/2021		409	Sep 15/2021	
25-25-12			404	Sep 15/2021		410	May 15/2022	
401	Sep 15/2021		405	May 15/2022		411	Sep 15/2021	
402	Sep 15/2021		406	BLANK		412	Sep 15/2021	
403	Sep 15/2021		25-29-07			413	May 15/2023	
404	Sep 15/2021		R 201	Sep 15/2023		414	May 15/2023	
405	Sep 15/2021		R 202	Sep 15/2023		415	May 15/2023	
406	Sep 15/2021		203	Sep 15/2021		416	BLANK	
			R 204	Sep 15/2023				
			A 205	Sep 15/2023				

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25-31-21			25-31-41			25-31-71 (cont)		
R 201	Sep 15/2023		401	Jan 15/2023		R 409	Sep 15/2023	
R 202	Sep 15/2023		402	Jan 15/2023		R 410	Sep 15/2023	
A 203	Sep 15/2023		403	Jan 15/2023		A 411	Sep 15/2023	
A 204	BLANK		404	Jan 15/2023		A 412	BLANK	
25-31-21			405	Sep 15/2021		25-31-83		
401	Jan 15/2022		406	Sep 15/2021		401	Sep 15/2021	
402	Sep 15/2021		407	Sep 15/2021		402	Sep 15/2021	
403	Jan 15/2022		408	Sep 15/2021		403	Jan 15/2023	
404	Sep 15/2021		409	Sep 15/2021		404	BLANK	
405	Sep 15/2021		410	Jan 15/2023		25-32-01		
406	Sep 15/2021		411	Jan 15/2023		401	Sep 15/2021	C
407	Sep 15/2021		412	Jan 15/2023		402	Sep 15/2021	C
408	Sep 15/2021		413	Jan 15/2023		403	Sep 15/2021	C
409	Sep 15/2021		414	May 15/2023		404	Sep 15/2021	C
410	Sep 15/2022		415	May 15/2023		25-32-01		
411	Jan 15/2022		416	BLANK		501	Sep 15/2021	C
412	Jan 15/2022		25-31-61			502	Sep 15/2021	C
413	May 15/2023		401	Sep 15/2021		503	Sep 15/2021	C
414	May 15/2023		402	Sep 15/2021		504	BLANK	
415	Sep 15/2021		403	Sep 15/2021		25-32-03		
416	Sep 15/2021		404	May 15/2022		401	Jan 15/2023	C
417	Sep 15/2021		405	Sep 15/2021		402	Sep 15/2021	C
418	Sep 15/2021		406	BLANK		403	Sep 15/2021	C
419	Sep 15/2021		25-31-71			404	Jan 15/2023	C
420	BLANK		R 201	Sep 15/2023		25-32-03		
25-31-31			R 202	Sep 15/2023		R 501	Sep 15/2023	C
401	Sep 15/2021		A 203	Sep 15/2023		R 502	Sep 15/2023	C
402	Sep 15/2021		A 204	BLANK		503	Sep 15/2021	C
403	Sep 15/2021		25-31-71			504	Sep 15/2021	C
404	Sep 15/2021		R 401	Sep 15/2023		25-32-10		
405	Sep 15/2021		R 402	Sep 15/2023		401	Sep 15/2021	C
406	BLANK		O 403	Sep 15/2023		402	Sep 15/2021	C
25-31-41			O 404	Sep 15/2023		403	Sep 15/2021	C
R 201	Sep 15/2023		O 405	Sep 15/2023		404	BLANK	
R 202	Sep 15/2023		O 406	Sep 15/2023		25-32-10		
A 203	Sep 15/2023		O 407	Sep 15/2023		501	Sep 15/2021	C
A 204	BLANK		R 408	Sep 15/2023		502	Sep 15/2021	C

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503	Sep 15/2021	C	O 408	Sep 15/2023		204	Sep 15/2021	
504	Sep 15/2021	C	R 409	Sep 15/2023		205	Sep 15/2021	
25-32-21			O 410	Sep 15/2023		206	Sep 15/2021	
401	Sep 15/2021	C	R 411	Sep 15/2023		207	Sep 15/2021	
402	Sep 15/2021	C	R 412	Sep 15/2023		208	Sep 15/2021	
403	Sep 15/2021	C	A 413	Sep 15/2023		209	Sep 15/2021	
404	Sep 15/2021	C	A 414	BLANK		210	Sep 15/2021	
25-32-21			25-40-14			211	Sep 15/2021	
501	Sep 15/2021	C	R 401	Sep 15/2023		212	Sep 15/2021	
502	Sep 15/2021	C	R 402	Sep 15/2023		213	Sep 15/2021	
25-40-00			R 403	Sep 15/2023		214	BLANK	
201	Jan 15/2023		R 404	Sep 15/2023		25-61-13		
R 202	Sep 15/2023		O 405	Sep 15/2023		R 401	Sep 15/2023	
R 203	Sep 15/2023		O 406	Sep 15/2023		402	Sep 15/2021	
R 204	Sep 15/2023		O 407	Sep 15/2023		R 403	Sep 15/2023	
R 205	Sep 15/2023		R 408	Sep 15/2023		O 404	Sep 15/2023	
R 206	Sep 15/2023		R 409	Sep 15/2023		25-63-00		
25-40-01			O 410	Sep 15/2023		201	Sep 15/2021	
401	Sep 15/2021		R 411	Sep 15/2023		202	Sep 15/2021	
402	Sep 15/2021		R 412	Sep 15/2023		25-63-03		
403	Sep 15/2021		A 413	Sep 15/2023		501	Sep 15/2021	
404	Sep 15/2021		A 414	Sep 15/2023		502	Sep 15/2021	
405	Sep 15/2021		25-40-15			25-64-00		
406	BLANK		401	Sep 15/2021		201	Jan 15/2022	
25-40-08			402	Sep 15/2021		202	Jan 15/2022	
601	Sep 15/2021		403	Sep 15/2021		203	Sep 15/2022	
602	Sep 15/2021		404	Sep 15/2021		204	Sep 15/2022	
603	Sep 15/2021		405	Sep 15/2021		205	May 15/2023	
604	BLANK		406	Jan 15/2022		206	May 15/2023	
25-40-11			407	May 15/2022		207	May 15/2023	
R 401	Sep 15/2023		408	May 15/2022		208	May 15/2023	
R 402	Sep 15/2023		409	May 15/2023		209	May 15/2023	
R 403	Sep 15/2023		410	May 15/2023		210	BLANK	
R 404	Sep 15/2023		25-61-10			25-64-00		
O 405	Sep 15/2023		201	Sep 15/2021		401	Jan 15/2023	
O 406	Sep 15/2023		202	Sep 15/2021		402	May 15/2022	
O 407	Sep 15/2023		203	Sep 15/2021		403	May 15/2022	

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Center Overhead Stowage Box Actuator and Snubber Removal TASK 25-24-40-020-803			209	SIA ALL
Center Overhead Stowage Box Actuator and Snubber Installation TASK 25-24-40-420-803			213	SIA ALL
Center Overhead Stowage Box Shroud Removal TASK 25-24-40-020-804			214	SIA ALL
Center Overhead Stowage Box Shroud Installation TASK 25-24-40-420-804			217	SIA ALL
<u>CENTER OVERHEAD STOWAGE BOX - REMOVAL/INSTALLATION</u>	25-24-40		401	SIA ALL
Center Overhead Stowage Box Removal TASK 25-24-40-000-801			401	SIA ALL
Center Overhead Stowage Box Installation TASK 25-24-40-400-801			408	SIA ALL
Center Overhead Stowage Box Door Latch Assembly - Removal TASK 25-24-40-000-802			410	SIA ALL
Center Overhead Stowage Box Door Latch Assembly - Installation TASK 25-24-40-400-802			413	SIA ALL
Center Overhead Stowage Box Door - Removal TASK 25-24-40-000-803			414	SIA ALL
Center Overhead Stowage Box Door - Installation TASK 25-24-40-400-803			417	SIA ALL
Center Overhead Stowage Box Actuator and Snubber - Removal TASK 25-24-40-000-804			418	SIA ALL

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<u>CABIN ATTENDANT SEAT - REMOVAL/INSTALLATION</u>	25-25-12		401	SIA ALL
Cabin Attendant Seat Removal TASK 25-25-12-000-801			401	SIA ALL
Cabin Attendant Seat Installation TASK 25-25-12-400-801			405	SIA ALL
<u>CABIN ATTENDANT SEAT - INSPECTION/CHECK</u>	25-25-12		601	SIA ALL
Attendant Seat and Harness Attachment Examination TASK 25-25-12-200-801			601	SIA ALL
Attendant Seat - Seat Pan Check TASK 25-25-12-710-801			605	SIA ALL
Attendant Seat Harness - Inertia Reel Operational Check TASK 25-25-12-710-802			605	SIA ALL
<u>CARPETS - REMOVAL/INSTALLATION</u>	25-27-15		401	SIA ALL
Carpet Removal TASK 25-27-15-000-801			401	SIA ALL
Carpet - Installation TASK 25-27-15-400-801			405	SIA ALL
<u>ENTRY AND SERVICE AREA FLOOR COVERING - REMOVAL/INSTALLATION</u>	25-27-21		401	SIA ALL
Entry and Service Area Floor Covering - Removal TASK 25-27-21-000-801			401	SIA ALL
Entry and Service Area Floor Covering - Installation TASK 25-27-21-400-801			406	SIA ALL
<u>RACEWAYS - REMOVAL/INSTALLATION</u>	25-27-31		401	SIA ALL
Raceway - Removal TASK 25-27-31-000-801			401	SIA ALL
Raceway - Installation TASK 25-27-31-400-801			404	SIA ALL

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Service Outlets - Deactivation TASK 25-29-07-040-801			201	SIA ALL
Service Outlets - Activation TASK 25-29-07-440-801			204	SIA ALL
<u>SERVICE OUTLETS - REMOVAL/INSTALLATION</u>	25-29-07		401	SIA ALL
Service Outlet - Removal TASK 25-29-07-000-801			401	SIA ALL
Service Outlet - Installation TASK 25-29-07-400-801			404	SIA ALL
<u>GALLEY WATER FILTERS - MAINTENANCE PRACTICES</u>	25-31-00		201	SIA ALL
Galley Water Filter Replacement TASK 25-31-00-960-801			201	SIA ALL
<u>GALLEY NO. 1 - MAINTENANCE PRACTICES</u>	25-31-11		201	SIA ALL
Galley No. 1 - Deactivation TASK 25-31-11-040-801			201	SIA ALL
Galley No. 1 - Activation TASK 25-31-11-440-801			202	SIA ALL
<u>GALLEY NO. 1 - REMOVAL/INSTALLATION</u>	25-31-11		401	SIA ALL
Galley No. 1 - Removal TASK 25-31-11-000-801			401	SIA ALL
Galley No. 1 - Installation TASK 25-31-11-400-801			410	SIA ALL
<u>GALLEY NO. 2 - MAINTENANCE PRACTICES</u>	25-31-21		201	SIA ALL
Galley No. 2 - Deactivation TASK 25-31-21-040-801			201	SIA ALL
Galley No. 2 - Activation TASK 25-31-21-440-801			202	SIA ALL
<u>GALLEY NO. 2 - REMOVAL/INSTALLATION</u>	25-31-21		401	SIA ALL
Galley No. 2 - Removal TASK 25-31-21-000-801			401	SIA ALL

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Galley No. 2A Removal TASK 25-31-21-000-802			414	SIA ALL
Galley No. 2A Installation TASK 25-31-21-400-802			418	SIA ALL
<u>GALLEY NO. 3 REMOVAL/INSTALLATION</u>	25-31-31		401	SIA ALL
Galley No. 3A Removal TASK 25-31-31-000-802			401	SIA ALL
Galley No. 3A Installation TASK 25-31-31-400-802			404	SIA ALL
<u>GALLEY G4 - MAINTENANCE PRACTICES</u>	25-31-41		201	SIA ALL
Galley No. 4 - Deactivation TASK 25-31-41-040-801			201	SIA ALL
Galley No. 4 - Activation TASK 25-31-41-440-801			202	SIA ALL
<u>GALLEY G4 - REMOVAL/INSTALLATION</u>	25-31-41		401	SIA ALL
Galley G4 Removal TASK 25-31-41-000-801			401	SIA ALL
Galley G4 Installation TASK 25-31-41-400-801			410	SIA ALL
<u>GALLEY NO. 6 REMOVAL/INSTALLATION</u>	25-31-61		401	SIA ALL
Galley No. 6A Removal TASK 25-31-61-000-801			401	SIA ALL
Galley No. 6A Installation TASK 25-31-61-400-801			404	SIA ALL
<u>GALLEY G7 - MAINTENANCE PRACTICES</u>	25-31-71		201	SIA ALL
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Galley G7 Removal TASK 25-31-71-000-801			401	SIA ALL
Galley G7 Installation TASK 25-31-71-400-801			408	SIA ALL
<u>FORWARD GALLEY HEADER - REMOVAL/INSTALLATION</u>	25-31-83		401	SIA ALL
Forward Galley Header Removal TASK 25-31-83-000-801			401	SIA ALL
Forward Galley Header Installation TASK 25-31-83-400-801			403	SIA ALL
<u>COFFEE MAKER - REMOVAL/INSTALLATION</u>	25-32-01		401	SIA ALL
Coffee Maker Removal TASK 25-32-01-000-802			401	SIA ALL
Coffee Maker Installation TASK 25-32-01-400-802			404	SIA ALL
<u>COFFEE MAKER - ADJUSTMENT/TEST</u>	25-32-01		501	SIA ALL
Coffee Maker - Operational Test TASK 25-32-01-710-803			501	SIA ALL
<u>GALLEY OVEN - REMOVAL/INSTALLATION</u>	25-32-03		401	SIA ALL
Steam Oven Removal (BE Aerospace) TASK 25-32-03-000-803			401	SIA ALL
Steam Oven Installation (BE Aerospace) TASK 25-32-03-400-803			404	SIA ALL
<u>GALLEY OVEN - ADJUSTMENT/TEST</u>	25-32-03		501	SIA ALL
Galley Steam Oven - Operational Test TASK 25-32-03-710-801			501	SIA ALL
<u>ESPRESSO MAKER - REMOVAL/INSTALLATION</u>	25-32-10		401	SIA ALL
Espresso Maker Removal TASK 25-32-10-000-801			401	SIA ALL
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Espresso Maker - Operational Test TASK 25-32-10-710-801				501	SIA ALL
<u>GALLEY WATER HEATER - REMOVAL/INSTALLATION</u>	25-32-21			401	SIA ALL
Galley Water Heater Removal TASK 25-32-21-000-801				401	SIA ALL
Galley Water Heater Installation TASK 25-32-21-400-801				404	SIA ALL
<u>GALLEY WATER HEATER - ADJUSTMENT/TEST</u>	25-32-21			501	SIA ALL
Galley Water Heater - Operational Test TASK 25-32-21-710-801				501	SIA ALL
<u>LAVATORIES - MAINTENANCE PRACTICES</u>	25-40-00			201	SIA ALL
Water Heater Power Deactivation TASK 25-40-00-040-801				201	SIA ALL
Water Heater Power Activation TASK 25-40-00-440-801				201	SIA ALL
Lavatory Power Deactivation TASK 25-40-00-040-802				202	SIA ALL
Lavatory Power Activation TASK 25-40-00-440-802				204	SIA ALL
<u>LAVATORY SEALANT - REMOVAL/INSTALLATION</u>	25-40-01			401	SIA ALL
Lavatory Sealant - Installation TASK 25-40-01-400-801				401	SIA ALL
<u>LAVATORY WASTE COMPARTMENT - INSPECTION/CHECK</u>	25-40-08			601	SIA ALL
Lavatory Waste Compartment Inspection TASK 25-40-08-200-801				601	SIA ALL
<u>MODULAR LAVATORY A - REMOVAL/INSTALLATION</u>	25-40-11			401	SIA ALL
Lavatory A Removal TASK 25-40-11-000-801				401	SIA ALL
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Lavatory D Removal TASK 25-40-14-000-801			401	SIA ALL
Lavatory D Installation TASK 25-40-14-400-801			408	SIA ALL
<u>MODULAR LAVATORY E - REMOVAL/INSTALLATION</u>	25-40-15		401	SIA ALL
Lavatory E Removal TASK 25-40-15-000-801			401	SIA ALL
Lavatory E Installation TASK 25-40-15-400-801			406	SIA ALL
<u>ESCAPE ROPES AND LIFE LINES - MAINTENANCE PRACTICES</u>	25-61-10		201	SIA ALL
Flight Compartment Escape Rope Removal TASK 25-61-10-000-801			201	SIA ALL
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Emergency Exit Door Life Line Removal TASK 25-61-10-000-802			206	SIA ALL
Emergency Exit Door Life Line Installation TASK 25-61-10-400-802			210	SIA ALL
Emergency Exit Door Life Line Inspection TASK 25-61-10-710-801			211	SIA ALL
<u>DOOR WARNING STRAP REEL - REMOVAL/INSTALLATION</u>	25-61-13		401	SIA ALL
Door Warning Strap Reel Removal TASK 25-61-13-000-801			401	SIA ALL
Door Warning Strap Reel Installation TASK 25-61-13-400-801			403	SIA ALL

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Emergency Evacuation Signal System - Deactivation TASK 25-63-00-040-801			201	SIA ALL
Emergency Evacuation Signal System - Activation TASK 25-63-00-440-801			201	SIA ALL
<u>EMERGENCY EVACUATION SIGNAL SYSTEM - ADJUSTMENT/TEST</u>	25-63-03		501	SIA ALL
Emergency Evacuation Signal System Operational Test TASK 25-63-03-700-801			501	SIA ALL
<u>DETACHABLE EMERGENCY EQUIPMENT - MAINTENANCE PRACTICES</u>	25-64-00		201	SIA ALL
Life Jacket Restoration TASK 25-64-00-900-801			201	SIA ALL
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Megaphone Operational Test TASK 25-64-00-710-801			202	SIA ALL
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Emergency Locator Transmitter Battery Replacement (If Installed) TASK 25-64-00-900-804			204	SIA ALL
Detachable Emergency Equipment Visual Check TASK 25-64-00-210-801			204	SIA ALL
Flashlight Check (With Flashing or Push To Test - LED Indicator) TASK 25-64-00-200-801			205	SIA ALL
Flashlight Battery Replacement (With Flashing or Push To Test - LED Indicator) TASK 25-64-00-900-805			207	SIA ALL
Smoke Hood (Protective Breathing Equipment) Inspection TASK 25-64-00-200-802			207	SIA ALL

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Portable Oxygen Cylinder Replacement TASK 25-64-00-900-810			209	SIA ALL
<u>DETACHABLE EMERGENCY LOCATOR TRANSMITTER - REMOVAL/INSTALLATION</u>	25-64-00		401	SIA ALL
Detachable Emergency Locator Transmitter (ELT) - Removal TASK 25-64-00-000-801			401	SIA ALL
Detachable Emergency Locator Transmitter (ELT) - Installation TASK 25-64-00-400-801			407	SIA ALL
<u>EMERGENCY LOCATOR TRANSMITTER - ADJUSTMENT/TEST</u>	25-64-00		501	SIA ALL
Emergency Locator Transmitter Operational Test TASK 25-64-00-710-802			501	SIA ALL
<u>DOOR-MOUNTED ESCAPE SYSTEM - MAINTENANCE PRACTICES</u>	25-66-00		201	SIA ALL
Escape System Restoration TASK 25-66-00-840-801			201	SIA ALL
Door-Mounted Escape System - Deactivation TASK 25-66-00-040-801			204	SIA ALL
Door-Mounted Escape System - Activation TASK 25-66-00-440-801			207	SIA ALL
<u>DOOR-MOUNTED ESCAPE SYSTEM - ADJUSTMENT/TEST</u>	25-66-00		501	SIA ALL
Escape System Operational Test TASK 25-66-00-710-801			501	SIA ALL

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Escape Slide Pack and Cover Removal TASK 25-66-01-000-801				401	SIA ALL
Escape Slide Pack and Cover Installation TASK 25-66-01-400-801				412	SIA ALL
Escape Slide Pack Removal TASK 25-66-01-000-802				414	SIA ALL
Escape Slide Pack Installation TASK 25-66-01-400-802				415	SIA ALL
Escape Slide Pack Installation (Unscheduled) TASK 25-66-01-400-804				419	SIA ALL
Escape Slide Girt Bar Removal TASK 25-66-01-000-803				423	SIA ALL
Escape Slide Girt Bar Installation TASK 25-66-01-400-803				424	SIA ALL
<u>DOOR-MOUNTED ESCAPE SYSTEM - INSPECTION/CHECK</u>	25-66-01			601	SIA ALL
Escape Slide Pack Inflation Cylinder Check TASK 25-66-01-200-801				601	SIA ALL
Escape Slide Pack Check TASK 25-66-01-200-802				603	SIA ALL
<u>FLOOR-MOUNTED ESCAPE SLIDE BRACKETS - MAINTENANCE PRACTICES</u>	25-66-02			201	SIA ALL
Floor-Mounted Escape Slide Bracket Removal TASK 25-66-02-000-801				201	SIA ALL
Floor-Mounted Escape Slide Bracket Installation TASK 25-66-02-400-801				203	SIA ALL
<u>INSULATION BLANKET - REMOVAL/INSTALLATION</u>	25-80-00			401	SIA ALL
Insulation Blanket Removal TASK 25-80-00-000-801				401	SIA ALL
Insulation Blanket Installation TASK 25-80-00-400-801				411	SIA ALL

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Crown Antenna Installation - Insulation Blanket Access TASK 25-80-00-400-802			201	SIA ALL
Crown Hardware Installation - Insulation Blanket Protection TASK 25-80-00-400-803			207	SIA ALL
Cover Film Repairs TASK 25-80-00-300-801			207	SIA ALL
Cargo Bilge Antenna Installation - Insulation Blanket Access TASK 25-80-00-400-804			208	SIA ALL
<u>INSULATION - REPAIRS</u>	25-80-00		801	SIA ALL
Repair the Insulation Blanket with BMS8-377 Cover Material TASK 25-80-00-340-801			801	SIA ALL
Repair the Insulation Blanket with BMS8-370 Cover Material TASK 25-80-00-340-802			805	SIA ALL
Repair the Insulation Blanket that has BMS8-396 Fire Resistant Material TASK 25-80-00-340-803			807	SIA ALL
Repair the Insulation Blanket that has BMS8-380 Cover Material TASK 25-80-00-340-804			811	SIA ALL
Insulation Blanket Manufacturing (per Production Part Specifications) TASK 25-80-00-300-802			815	SIA ALL
Repair of Cargo Door Insulation Blankets TASK 25-80-00-340-805			833	SIA ALL
Insulation Blanket Manufacturing (per Universal Blanket Template) TASK 25-80-00-300-803			834	SIA ALL

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PC Power System (Flight Compartment) - Deactivation TASK 25-82-00-040-801			201	SIA ALL
PC Power System (Flight Compartment) - Activation TASK 25-82-00-440-801			203	SIA ALL
<u>PC POWER SYSTEM (FLIGHT COMPARTMENT) - ADJUSTMENT/TEST</u>	25-82-00		501	SIA ALL
PC Power System (Flight Compartment) - Operational Test TASK 25-82-00-710-801			501	SIA ALL
<u>IN-SEAT POWER SUPPLY - REMOVAL/INSTALLATION</u>	25-82-01		401	SIA ALL
In-Seat Power Supply - Removal TASK 25-82-01-000-801			401	SIA ALL
In-Seat Power Supply - Installation TASK 25-82-01-400-801			405	SIA ALL
<u>IN-SEAT POWER SUPPLY CONFIGURATION MODULE - REMOVAL/INSTALLATION</u>	25-82-02		401	SIA ALL
In-Seat Power Supply Configuration Module - Removal TASK 25-82-02-000-801			401	SIA ALL
In-Seat Power Supply Configuration Module - Installation TASK 25-82-02-400-801			405	SIA ALL
<u>OUTLET UNIT - REMOVAL/INSTALLATION</u>	25-82-03		401	SIA ALL
Outlet Unit - Removal TASK 25-82-03-000-801			401	SIA ALL
Outlet Unit - Installation TASK 25-82-03-400-801			405	SIA ALL

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EQUIPMENT/FURNISHINGS - CLEANING/PAINTING

1. General

A. This procedure contains these tasks:

- (1) The cleaning of the airplane equipment and furnishings.
- (2) The disinfecting of the airplane equipment and furnishings.
- (3) The painting of the airplane equipment and furnishings.

NOTE: When cleaning areas of the aircraft where electrical system wiring and components are present, refer to ELECTRICAL WIRING INTERCONNECTION SYSTEM - CLEANING/PAINTING, PAGEBLOCK 20-60-02/701 and PROTECTION OF EWIS (EZAP) - MAINTENANCE PRACTICES, PAGEBLOCK 20-60-07/201 procedures.

TASK 25-00-00-100-801

2. Equipment/Furnishings - Cleaning

(Figure 701)

A. General

(1) Many of the decorative surfaces contain different materials. Some of these materials are:

- (a) Tedlar
- (b) Polycarbonate (Lexan)
- (c) Fabrics
- (d) Silicone
- (e) Rubber
- (f) Metal
- (g) Ultem
- (h) Declar

(2) Be careful not to get the clean surfaces dirty when cleaning adjacent surfaces.

B. References

Reference	Title
25-00-00-300-802	Decorative Surface Repair (P/B 801)

C. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
COM-2477	Tools - Vacuum Cleaner Set Part #: AVQ250-2 Supplier: U1761 Opt Part #: 02146A Supplier: 0A5X2 Opt Part #: 44SPEC Supplier: 0Y8U0 Opt Part #: 655406-7M Supplier: 0Y8U0 Opt Part #: C-39485-41 Supplier: 16893 Opt Part #: R80 Supplier: \$0373 Opt Part #: WD80 Supplier: \$0373
STD-123	Brush - Soft Bristle
STD-183	Cleaner - Vacuum

EFFECTIVITY
SIA ALL

D633AM101-SIA

ECCN 9E991 BOEING PROPRIETARY - See title page for details

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Reference	Description
STD-810	Spatula - Fillet Smoothing, Hardwood or Plastic
STD-1064	Scraper - Phenolic, Hard Resin
STD-3911	Brush - Bristle, Medium Nylon
STD-4048	Bottle - Hand Spray

D. Consumable Materials

Reference	Description	Specification
B00032	Cleaner - Glass - GLYST A-1859	
B00033	Cleaner - Glass - Glasswax	
B00068	Alcohol - Denatured, Ethyl (Ethanol)	AMS 3002, MIL-E-51454 Type II
B00081	Solvent - Trichloroethylene	ASTM D4080
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III
B00090	Solvent - Inhibited Trichloroethane 1,1,1	MIL-T-81533
B00093	Solvent - Tetrachloroethylene (Perchloroethylene)	ASTM D4081
B00094	Solvent - Toluene	A-A-59107
B00148	Solvent - Methyl Ethyl Ketone (MEK)	ASTM D740
B00157	Cleaner - Detergent - Spraywhite E	
B00158	Cleaner - Clean Quick Broad Range Quaternary Sanitizer	
B00294	Cleaner - Detergent - Glo Do-All Formula 1D	
B00334	Cleaner - Sodium Bicarbonate	ASTM D928, or commercially available product
B00460	Cleaner - Multi-Purpose - Winsol APC-120-WX	
B00541	Cleaner - General Purpose Household Detergent	
B00634	Solvent - Stabilized Limonene Cleaner	BMS11-10 Type 1, 2, or 3
B00641	Cleaner - Aircraft (Interior And Exterior) - Turco 5948	
B00700	Polish - Aluminum, Met-All	
B00702	Cleaner - Acrylic Window - Dustless (An alternative is Static Stop)	BAC5038
B00703	Compound - Plastic Polish	P-P-560
B00705	Cleaner - Detergent - SE-700	
B00710	Cleaner - Clear Plastic, Meguiar's Mirror Glaze 17 - (Formerly Meguiar's MGH-17)	
B50078	Solvent - Aliphatic Naphtha (For Organic Coatings)	TT-N-95 Type I (Supersedes BMS3-2 Type I)
B50079	Solvent - Aliphatic Naphtha (For Acrylic Plastics)	TT-N-95 Type II (Supersedes BMS3-2 Type II)

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Reference	Description	Specification
B50119	Solvent - Chlorinated	BAC5150
B50120	Solvent - Fluorocarbon	BAC5750
B50123	Cleaner - Glass	
B50189	Polish - Clear Plastic, Meguiar's Mirror Glaze 10 - (Formerly Meguiar's MGH-10)	
B50225	Solvent - Citra-Safe (Deodorized)	
B50226	Solvent - Citra-Safe	
B50251	Cleaner - Miller-Stephenson MS-260 Safezone Cleaner For Plastic, Glass And Metal	
B50264	Detergent - General, Sanikleen, 10 percent	N/A
B50265	Detergent - Ultra Spic and Span	Commercially Available
B50266	Detergent - General	Commercially Available
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	AMS3819 Class 1 Grade A or B Form 1 (Supersede BMS15-5 CLA)
G00110	Sponge - Silicone Rubber, Closed-Cell, General Purpose, Non-Solvent Use	BMS1-23
G00116	Sponge - Synthetic	
G00215	Brush - Soft Bristle Fiber	
G00270	Tape - Scotch Flatback Masking 250	ASTM D6123 (Supersedes A-A-883)
G02360	Tape - Textile Hook And Loop Fasteners Tape (Polypropylene Hook & Nylon Loop)	BMS8-285 Type V
G02414	Brush - Stainless Steel	
G50138	Cloth - Soft Cotton	
G50222	Brush - Tampico Fiber, Non-Metallic	

E. Location Zones

Zone	Area
200	Upper Half of Fuselage

F. Procedure

SUBTASK 25-00-00-160-001

- (1) Use these special tools and equipment:
- (a) vacuum cleaner tool set, COM-2477.

SUBTASK 25-00-00-160-002

- (2) Use these standard tools and equipment:
- (a) hand spray bottle, STD-4048
 - (b) tampico fiber brush, G50222 - Stiff fiber, 0.5 in. (12.7 mm) long bristles, 1.125 ±0.875 in. (28.6 ±22.3 mm) wide (glue brushes or paint brushes with bristles cut to length).
 - (c) medium nylon bristle brush, STD-3911 - Medium fiber bristles, 4 in. (10 cm) wide
 - (d) brush, G02414 - Hand, solvent - resistant
 - (e) hard resin phenolic scraper, STD-1064

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- (f) cotton wiper, G00034
- (g) hardwood or plastic fillet smoothing spatula, STD-810
- (h) sponge, G00116.

SUBTASK 25-00-00-110-001

- (3) Use any of these detergents:
 - (a) Spraywhite E cleaner, B00157
 - (b) Clean Quick sanitizer, B00158
 - (c) Glo Do-All Formula 1D cleaner, B00294
 - (d) Winsol APC-120-WX cleaner, B00460
 - (e) Turco 5948 cleaner, B00641
 - (f) SE-700 cleaner, B00705
 - (g) general detergent, B50264
 - (h) Spic and Span, B50265
 - (i) JB/B2, B50266.

SUBTASK 25-00-00-110-002

- (4) Use any of these cleaners:
 - (a) GLYST A-1859 cleaner, B00032
 - (b) Glasswax cleaner, B00033
 - (c) Spic and Span, B50265
 - (d) sodium bicarbonate cleaner, B00334
 - (e) Dustless cleaner, B00702
 - (f) compound, B00703
 - (g) clear plastic cleaner, B00710
 - (h) general purpose household detergent cleaner, B00541
 - (i) glass cleaner, B50123
 - (j) clear plastic polish, B50189
 - (k) MS-260 cleaner, B50251
 - (l) general detergent, B50264.

SUBTASK 25-00-00-110-003

- (5) Use any of these solvents:
 - (a) alcohol, B00068
 - (b) solvent, B00090
 - (c) solvent, B00081
 - (d) solvent, B00083
 - (e) solvent, B00093
 - (f) solvent, B00094
 - (g) solvent, B00148
 - (h) aliphatic naphtha, B50078
 - (i) aliphatic naphtha, B50079

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- (j) chlorinated solvent, B50119
- (k) fluorocarbon solvent, B50120
- (l) citra-safe solvent, B50225
- (m) citra-safe solvent, B50226.

SUBTASK 25-00-00-110-004

- (6) Use this metal polish:
 - (a) Met-All polish, B00700.

G. Prepare for the Cleaning

SUBTASK 25-00-00-160-003

- (1) These are your recommended detergent mixtures:
 - (a) Mix one part Spraywhite E cleaner, B00157, to 10 parts water (by volume).
 - (b) Mix one part Clean Quick sanitizer, B00158, to 64 parts water (by volume).
 - (c) Mix one part SE-700 cleaner, B00705, to 20 parts water (by volume).
 - (d) Mix one part Glo Do-All Formula 1D cleaner, B00294, to 30 parts water (by volume).
 - (e) Mix one part Winsol APC-120-WX cleaner, B00460, to 32 parts water (by volume).
 - (f) Mix one part Turco 5948 cleaner, B00641, to 20 part of water (by volume).

H. Clean the Opaque Plastic and Painted Surfaces

SUBTASK 25-00-00-110-005

- (1) Use foam and a vacuum cleaner, STD-183, to remove unwanted materials from perforated or acoustic surfaces.
 - (a) If you cannot use foam and a vacuum cleaner, use a moist soft cotton cloth, G50138, or a sponge, G00110.

NOTE: If the cloth is soaked, too much fluid will go through the perforations and openings.

SUBTASK 25-00-00-160-004

- (2) To clean a small area on the surface, do the steps that follow:

NOTE: Do not rub solid colored Tedlar surfaces when they are dry. The surface is hard to clean if particles get pushed into the surface of the material.

- (a) Lift the loose unwanted material with a cotton wiper, G00034.
 - 1) Do not rub, spread, or push the unwanted material into the textured or perforated surfaces, joints, or seams.
- (b) Apply general purpose household detergent cleaner, B00541, to the dirty area with a hand spray bottle, STD-4048, or moist sponge, G00116.
- (c) Lightly rub the area with a cotton wiper, G00034.
 - 1) For textured surfaces, remove the unwanted materials from recesses with a small fiber brush, G00215.
- (d) Remove the general purpose household detergent cleaner, B00541, with a sponge, G00116, that is moist with water.
- (e) Dry the area with a clean cotton wiper, G00034.
 - 1) Rub the area in a straight line movement.
 - 2) If the area stays dirty do the steps that follow:

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DO NOT USE MORE SOLVENT THAN IS NECESSARY. DAMAGE TO THE SURFACE CAN OCCUR IF THE CONCENTRATION OF THE SOLUTION TO THE AREA IS HIGH.



USE ONLY FREON OR ALIPHATIC NAPHTHA TYPE II TO CLEAN PLASTICS. BUT DO NOT USE FREON IF THE PART IS PAINTED WITH A WATER-BASED PAINT. THE FREON WILL CAUSE DAMAGE TO THE PAINT. YOU CAN USE ALIPHATIC NAPHTHA FOR PAINTED SURFACES, BUT FIRST YOU MUST REMOVE THE PART FROM THE AIRPLANE.

- a) Carefully rub the dirty area with a cotton wiper, G00034, that is moist with solvent, B00083, or Limonene solvent, B00634.
- b) Do the steps again to remove the solvent with a detergent.

SUBTASK 25-00-00-160-005

- (3) To clean all of the surface, do the steps that follow:
 - (a) Apply Turco 5948 cleaner, B00641, to the surface with a sponge, G00116, or a hand spray bottle, STD-4048.
 - (b) Let the Turco 5948 cleaner, B00641, stay on the surface for one-half to two minutes.
 - (c) Rub the surface with a cotton wiper, G00034, that is moist with clean water.
 - (d) Remove the Turco 5948 cleaner, B00641, with a clean cotton wiper, G00034, that is soaked with clean water.
 - (e) Dry the surface with a clean dry cotton wiper, G00034.

I. Clean Tedlar Covered Surfaces

SUBTASK 25-00-00-160-006

- (1) To clean the Tedlar covered surface of a part while it is installed in the airplane, do these steps:
 - (a) Apply the Turco 5948 cleaner, B00641, with a soft bristle brush, STD-123.
 - 1) Rub the surface in all directions with the soft bristle brush, STD-123.
 - (b) Remove the Turco 5948 cleaner, B00641, with a sponge, G00116, that is moist with clean water.
 - (c) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-160-007

- (2) To clean the Tedlar coated surface of a part that is out of the airplane, do the steps that follow:
 - (a) Repair all the damaged parts (TASK 25-00-00-300-802).
 - (b) You can use the same method to clean the parts you would use if the parts were installed, or you can use the method that follows:

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- 1) Remove or cover with Scotch Flatback Masking Tape 250, G00270, all the plastic and painted surfaces which are not resistant to solvent damage.

NOTE: These solvents will remove the paint from the edge of the part.



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- 2) Clean the part with a clean cotton wiper, G00034, and one of these solvents:
 - a) solvent, B00148
 - b) solvent, B00094
 - c) A 50%-50% mixture of solvent, B00148, and solvent, B00094.
 - d) alcohol, B00068
 - e) solvent, B00093, or solvent, B00090
 - f) aliphatic naphtha, B50078
 - g) aliphatic naphtha, B50079
 - h) chlorinated solvent, B50119
 - i) fluorocarbon solvent, B50120.
- 3) If you accidentally removed paint from a part when you used the solvent, do this task: Equipment/Furnishings - Painting, TASK 25-00-00-370-801.

J. Clean the Translucent and Transparent Plastic Surfaces (Does Not Include Windows)

SUBTASK 25-00-00-160-008



DO NOT RUB THE SURFACES WITH A DRY CLOTH. YOU WILL CAUSE SCRATCHES AND STATIC ELECTRICITY. DAMAGE TO EQUIPMENT CAN OCCUR.

- (1) Rub the surface lightly with a clean cotton wiper, G00034, that is soaked with mixed detergent.

SUBTASK 25-00-00-160-009

- (2) Remove the mixed detergent with a clean cotton wiper, G00034, that is moist with water.

SUBTASK 25-00-00-160-010

- (3) Dry the surface with a clean cotton wiper, G00034.

- (a) Do not rub the plastic after it is dry.

SUBTASK 25-00-00-160-011

- (4) Remove a thin dust layer or electrostatic charge with a clean cotton wiper, G00034, that is moist with water.

K. Clean the Mirrors

SUBTASK 25-00-00-160-012

- (1) To clean the glass mirrors, do these steps:
 - (a) Use a razor blade to remove dry paint and other unwanted materials that are not easy to rub off.

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- (b) Use GLYST A-1859 cleaner, B00032, Glasswax cleaner, B00033, glass cleaner, B50123, or MS-260 cleaner, B50251, to clean the glass.

NOTE: Obey the manufacture's CAUTIONS and instructions.

SUBTASK 25-00-00-160-013



DO NOT RUB THE SURFACES WITH A DRY CLOTH. YOU WILL CAUSE SCRATCHES AND STATIC ELECTRICITY. DAMAGE TO EQUIPMENT CAN OCCUR.

- (2) To clean the plastic mirrors, do these steps:
- (a) Remove the loose unwanted materials with a clean cotton wiper, G00034.
 - (b) Rub the stains with a cotton wiper, G00034, that is moist with general purpose household detergent cleaner, B00541.
 - (c) Remove the general purpose household detergent cleaner, B00541, with a cotton wiper, G00034, that is moist with water.
 - (d) Rub all of the surface very lightly with a cotton wiper, G00034, that is moist with water to remove the sharp particles.
 - (e) Polish the plastic with a clean cotton wiper, G00034, and clear plastic cleaner, B00710, or clear plastic polish, B50189.

L. Clean the Fabrics

SUBTASK 25-00-00-160-014

- (1) Clean the carpets, the seat upholstery, and equivalent equipment as follows:

- (a) To clean a small area on the surface, do these steps:

NOTE: Remove stains as soon as possible. It is not possible to remove some materials from the fabric if you do not remove them immediately.

- 1) To remove tea, coffee, fruit juices, wines, fruit, catsup, soft and mixed drinks, chocolate, syrups, perfumes, vomit, and urine, do these steps:



CAUTION

DO NOT USE TOO MUCH HAND PRESSURE WHEN YOU RUB THE FABRIC WITH THE PLASTIC SCRAPER. TOO MUCH PRESSURE CAN DAMAGE THE FABRIC.

- a) Carefully rub the area with a hard resin phenolic scraper, STD-1064, to loosen the unwanted material from the fabric.
 - b) Apply a mixed detergent to the dirty area.
 - c) Rub the area with a hard resin phenolic scraper, STD-1064.
 - d) Use a vacuum cleaner to remove the detergent and the unwanted materials.
<1> If it is necessary, use a soft cloth to remove the remaining moisture.
- 2) If there is an odor, do these steps:
- a) Mix one teaspoon of bicarbonate of soda in six ounces of water.
 - b) Apply the mixture to the area.
 - c) Rub the area with a hard resin phenolic scraper, STD-1064.
 - d) Remove the moisture with a cotton wiper, G00034.

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- 3) To remove fresh paints, greases, lipsticks, permanent inks, oils, jet fuel, hydraulic fluid, powdered graphite, and powdered aluminum, do these steps:
 - a) Remove the loose unwanted material as soon as possible with a cotton wiper, G00034.
 - b) Apply a mixed detergent to the area.
 - c) Let it soak for 30 seconds.
 - d) Apply an additional quantity of the mixed detergent to the area.
 - e) Carefully rub the area with the blunt end of hard resin phenolic scraper, STD-1064, to lift the unwanted material into the detergent.
 - f) Use a vacuum cleaner tool set, COM-2477, to remove the detergent and the unwanted material.
 - g) If it is necessary, use a cotton wiper, G00034, to remove all the remaining moisture.
 - h) If the area is not fully clean, do the above steps again until the area is fully clean.
 - i) Use a soft bristle brush, STD-123, to straighten and lift the fabric pile.
- 4) To remove adhesives, sealants, paints, asphalt, and gum, do these steps:
 - a) Use a vacuum cleaner tool set, COM-2477, to remove all the loose unwanted material from the fabric.
 - b) Put a cover on the plastic and painted surfaces adjacent to the dirty area.
 - <1> Use a hand spray bottle, STD-4048, with a nozzle to apply chlorinated solvent, B50119, to the dirty area.

NOTE: Use only the minimum quantity of chlorinated solvent necessary to remove the unwanted material. Chlorinated solvent on an uncovered surface can make a new stain.
 - c) Let the solution soak for up to 30 seconds.
 - d) Carefully rub the fabric with a hard resin phenolic scraper, STD-1064, to remove unwanted materials.
 - e) Remove the unwanted materials with a cotton wiper, G00034.
 - f) Do the above steps again until the area is fully clean.
 - g) Immediately after the area looks fully clean, clean the area with a mixed detergent to remove the solvent.

NOTE: Refer to the instructions given before for the use of detergents on small areas.
- (b) To do regular cleaning, do these steps:
 - 1) Use a vacuum cleaner tool set, COM-2477, to remove loose materials from the fabric.
 - 2) Use one of the recommended detergent mixtures.



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CAUTION

APPLY ONLY THE FOAM FROM THE MIXTURE. THE LIQUID WILL SOAK INTO THE FABRIC AND WILL CAUSE DAMAGE.

- 3) Carefully rub the foam from the mixture into the fabric with a sponge, G00116, or a medium-fiber soft bristle brush, STD-123.

NOTE: Clean only a small area at a time until you are done.

- a) Use a circular motion and make it to overlap with each motion.

- 4) Use a brush, G02414, to lift the fabric pile.

NOTE: Carefully rub the fabric in one direction only or the fabric will not look satisfactory.

- 5) When the fabric is fully dry use a vacuum cleaner tool set, COM-2477, to remove the remaining unwanted materials.

- (c) To clean seat covers and drapes, do these steps:

NOTE: Fabrics are treated with fire retardant. If you do the instructions that follow, the fire retardant will stay satisfactory. If there are instructions for the fabric from the manufacturer or supplier, obey their instructions.

- 1) Attach the hook and loop fastener tape, G02360, together to prevent contamination or damage to the hook and pile.
- 2) To remove tea, coffee, liqueurs, fruit juice, chocolate, syrup, perfume, vomit, urine, do these steps:
 - a) Make the unwanted material soft with a mixed detergent and steam.
 - b) Remove the moisture and the unwanted material with a cotton wiper, G00034.
- 3) Turn the seat covers inside out (turn the inner surface to the outer side).



CAUTION

YOU MUST USE COLD WATER. DO NOT USE MORE THAN 8% WATER IN THE MIXTURE. IF YOU ADD TOO MUCH WATER OR NOT COLD WATER, THE FABRIC WILL BECOME SMALLER.

- 4) Mix the solvent, B00093, chlorinated solvent, B50119, or fluorocarbon solvent, B50120, and mix detergent and cold waters:
 - a) Obey the proportion information given by the manufacturer or the supplier of the detergent and the solvent.

<1> Add cold water, up to 8% to the mixture.
 - b) Use a cleaning drum temperature that is not hotter than 72°F (22°C).
- 5) Dry the fabric at a maximum temperature (air into the drum) of 130°F (54°C).
- 6) Remove the remaining stains with a detergent and steam.
- 7) If it is necessary, remove the hook and loop fastener tape, G02360.

M. Clean the Leather or Naugahyde

SUBTASK 25-00-00-160-015

- (1) To clean a small area on the surface, do these steps:

- (a) Remove water based stains with a mixed detergent.

NOTE: Refer to the paragraph below for regular cleaning instructions.

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DO NOT USE MORE FREON THAN IS NECESSARY. MAKE SURE THAT YOU PREVENT THE CONTAMINATION OF THE ADJACENT AREAS BY THE FREON. IF YOU USE TOO MUCH FREON, DAMAGE TO THE PARTS WILL OCCUR.

- (b) Rub oil-based stains with a cotton wiper, G00034, that is moist with solvent, B00081.
- (c) Then, use a mixed detergent to clean the area.

SUBTASK 25-00-00-160-016

- (2) To clean by the usual procedure do these steps:
 - (a) Mix one part of Winsol APC-120-WX cleaner, B00460, to 32 parts of water.
 - (b) Apply only the foam to the leather or naugahyde with a clean cotton wiper, G00034.
 - 1) Rub carefully in a circular movement.
 - (c) Remove the detergent with a clean cotton wiper, G00034, that is moist with water.
 - (d) Rub the surface with a dry soft cotton wiper, G00034.

N. Clean the Painted, Plastic or Rubber Floor Coverings

SUBTASK 25-00-00-160-017

- (1) Use a vacuum cleaner tool set, COM-2477, to remove loose and unwanted materials.

SUBTASK 25-00-00-160-018

- (2) Apply mixed detergent to the floor covering.

SUBTASK 25-00-00-160-019

- (3) If it is necessary, rub the surface with a medium nylon bristle brush, STD-3911.

SUBTASK 25-00-00-160-020

- (4) Flush the surface with clean water.

SUBTASK 25-00-00-160-021

- (5) Remove the loose or unwanted materials with a clean cotton wiper, G00034.

SUBTASK 25-00-00-160-022

- (6) Do the steps again until the surface is fully clean.

O. Clean the Silicone Seals

SUBTASK 25-00-00-110-006

- (1) Apply mixed detergent with a hand spray bottle, STD-4048, and sponge, G00116.

SUBTASK 25-00-00-160-023

- (2) Let it soak on the seal for one-half to two minutes.

SUBTASK 25-00-00-160-024

- (3) Rub the surface of the seal with a cotton wiper, G00034, that is moist with water.

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SUBTASK 25-00-00-160-025

- (4) Remove the detergent from the seal with a clean cotton wiper, G00034, that is soaked with water.

SUBTASK 25-00-00-160-026

- (5) Dry the seal with a clean dry cotton wiper, G00034.

P. Clean the Bare Metal Surfaces

SUBTASK 25-00-00-160-027



USE ONLY CLEAN OR CHLORINATED WATER WHEN YOU CLEAN THE FRONT COVERS OF THE OVENS. DETERGENTS WILL CAUSE DETERIORATION OF THE SURFACE FINISH.

- (1) To clean a small area of an aluminum surface, do these steps:
 - (a) Apply mixed detergent to the surface with a sponge, G00116, or a hand spray bottle, STD-4048.
 - (b) Let it soak on the surface for one-half to two minutes.
 - (c) Rub the surface with a clean cotton wiper, G00034, that is soaked with water.
 - (d) Remove the detergent with a sponge, G00116, that is moist with water.



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DO NOT USE MORE FREON THAN IS NECESSARY. MAKE SURE THAT YOU PREVENT THE CONTAMINATION OF THE ADJACENT AREAS BY THE FREON. IF YOU USE TOO MUCH FREON, DAMAGE TO THE PARTS WILL OCCUR.

- (e) Dry the surface with a clean cotton wiper, G00034.

NOTE: Rub the surface in a straight line movement. If the area is still dirty, do the steps that follow:

 - 1) Rub the area with a cotton wiper, G00034, that is moist with solvent, B00081.
 - 2) After the surface looks fully clean, remove the solvent, B00081, with a mixed detergent.

SUBTASK 25-00-00-160-028

- (2) To clean aluminum with a usual procedure do these steps:
 - (a) Apply mixed detergent to the surface with a sponge, G00116, or a hand spray bottle, STD-4048.
 - (b) Let it soak on the surface for one-half to two minutes.
 - (c) Rub the surface with a cotton wiper, G00034, that is moist with water.
 - (d) Remove the detergent with a clean cotton wiper, G00034, that is soaked with water.
 - (e) Dry the surface with a clean dry cotton wiper, G00034.

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SUBTASK 25-00-00-160-029

- (3) To clean stainless steel, do these steps:
- Do the procedure given for opaque plastic or painted surfaces to clean the stainless steel; then polish the stainless steel with the following steps:
 - Use a cotton wiper, G00034, to apply polish to a small area.
NOTE: Use Met-All polish, B00700, for highly-polished surfaces and satin finishes.
 - Rub the area until the polish becomes black.
 - Rub the surface with a clean, dry cotton wiper, G00034, until the rubbed area looks bright and continuous.
 - Remove the remaining polish with a mixed detergent.

Q. Clean the Air Grill Panels

SUBTASK 25-00-00-160-030

- (1) Use a vacuum cleaner tool set, COM-2477, to clean the air grill panels.

————— END OF TASK —————

TASK 25-00-00-100-803

3. Equipment/Furnishings - Disinfecting

A. General

- (1) This procedure is to provide guidance on disinfectant materials for the use on surfaces of the aircraft interior and exterior, and cargo compartment.
- NOTE:** Cleaning works by using soap (or detergent) and water to physically remove germs from surfaces. Disinfecting works by using chemicals to kill germs on surfaces or objects and requires contact/dwell time.
- (2) Repeated disinfection may cause staining, discoloration and/or other visual defects to surfaces.
- (3) When using disinfectants on the aircraft, operators should consider the guidance below, the Environmental Protection Agency (EPA) List N (<https://www.epa.gov/>), and the local public health authority for applicable disinfectants and contact/dwell times.
- (4) Boeing is not qualified to specify the disinfectant materials that may be effective for a given disease or the specific disinfection frequency. We must refer operators to the World Health Organization (WHO), the Centers for Disease Control and Prevention (CDC), other public health authorities, or International Air Transport Association (IATA) to provide this type of information.
- (5) For the most current guidance on disinfectant materials, refer to the latest communication from Boeing Customer Support.

B. Tools/Equipment

Reference	Description
STD-6435	Respirator - Particulate (Meets NIOSH 42 CFR 84 Class N95, EN149 Class FFP2, or Better)
STD-6437	Goggles - Safety, Non Vented
STD-6439	Coveralls - Hooded

C. Consumable Materials

Reference	Description	Specification
B00130	Alcohol - Isopropyl	TT-I-735

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Reference	Description	Specification
B50073	Alcohol - Isopropyl	ASTM D 770
B50280	Cleaner - Disinfectant - Zip-Chem Products Calla 1452	
B50363	Cleaner - Disinfectant - Zip-Chem Products AeroDis 7127	
B50364	Cleaner - Disinfectant - Matrix #3	
B50367	Cleaner - Disinfectant - Sani Cide EX3	
B50369	Cleaner - Disinfectant - mPerial	
B50375	Cleaner - Disinfectant - Bioesque Botanical	
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	AMS3819 Class 1 Grade A or B Form 1 (Supersede BMS15-5 CLA)
G00624	Bag - Plastic, General Purpose	
G01043	Cloth - Lint-free	
G50140	Gloves - Protective, Latex or Nitrile	

D. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

E. Prepare for the Disinfecting

SUBTASK 25-00-00-940-001



WEAR APPLICABLE PROTECTIVE EQUIPMENT (PPE) WHEN YOU DO THIS TASK. BEFORE YOU USE PPE, READ, UNDERSTAND AND OBEY ALL INSTRUCTIONS FOR ITS USE. THESE INSTRUCTIONS INCLUDE INSTRUCTIONS FROM THE DISINFECTANT MANUFACTURER, YOUR EMPLOYER AND GOVERNMENT REGULATIONS. GET INSTRUCTIONS FROM YOUR EMPLOYER ON WHICH PPE IS NECESSARY. IF YOU DO NOT OBEY PPE INSTRUCTIONS, INJURY TO PERSONNEL CAN OCCUR.

- (1) Before you disinfect the surfaces of the aircraft interior and exterior, put on the personal protective equipment listed below:
 - (a) safety goggles, STD-6437
 - (b) particulate respirator, STD-6435
 - (c) protective gloves, G50140

NOTE: Nitrile gloves are preferred when in contact with alcohol.

 - (d) hooded coveralls, STD-6439

F. Disinfect the Passenger Cabin Interior and Exterior Surfaces

SUBTASK 25-00-00-670-001

- (1) If necessary, to disinfect the interior surfaces, do these steps:

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- (a) Disinfect surfaces with either Matrix #3 cleaner, B50364, Sani-Cide EX3 cleaner, B50367, Calla 1452 cleaner, B50280, AeroDis 7127 cleaner, B50363, Bioesque cleaner, B50375 or mPerial cleaner, B50369.

NOTE: Follow the disinfectant manufacturer's instruction and refer to the EPA List N for applicable contact/dwell time. Applications should be carefully monitored to prevent any running or pooling of fluid on any surface.

NOTE: For seats, In Flight Entertainment (IFE) equipment, galleys, and lavatories, refer to the manufacturer's recommendation for disinfecting these parts.

 WARNING	ISOPROPYL ALCOHOL IS POISONOUS AND FLAMMABLE. USE PROTECTION EQUIPMENT. MAKE SURE THAT YOU USE ISOPROPYL ALCOHOL IN AN AREA WITH AIRFLOW. IF YOU DO NOT OBEY, INJURY TO PERSONNEL CAN OCCUR.

- 1) Alternatively, disinfect surfaces with a solution of minimum 70% alcohol, B00130, or alcohol, B50073.

NOTE: Isopropyl alcohol should be applied in accordance with BAC5750 and BAC5150.

- 2) Wipe the surface with a cotton wiper, G00034 that is moist with the solution.

NOTE: Refer to the EPA List N or local health authority guidance for required contact/dwell time for Isopropyl Alcohol to be used as a disinfectant.

- 3) Make sure to not oversaturate the cotton wiper to prevent the solution to drip into crevices or drip and soak into porous surfaces.

- 4) Wipe the surface dry with a clean cotton wiper, G00034.

SUBTASK 25-00-00-670-004

- (2) If necessary, to disinfect the carpets, do these steps:

- (a) Disinfect carpet with either Calla 1452 cleaner, B50280, AeroDis 7127 cleaner, B50363, or Matrix #3 cleaner, B50364.

NOTE: Follow the disinfectant manufacturer's instruction and refer to the EPA List N for applicable contact/dwell time. Applications should be carefully monitored to prevent any running or pooling of fluid on any surface.

- 1) Alternatively, disinfect the carpets with a solution of minimum 70% alcohol, B00130.

- 2) Wipe the surface with a cotton wiper, G00034 that is moist with the solution.

NOTE: Refer to the EPA List N or local health authority guidance for required contact/dwell time for Isopropyl Alcohol to be used as a disinfectant.

- 3) Make sure to not oversaturate the cotton wiper to prevent the solution to drip into crevices or drip and soak into porous surfaces.

- 4) Wipe the surface dry with a clean cotton wiper, G00034.

G. Disinfect the Cargo Compartment

SUBTASK 25-00-00-670-003

- (1) If necessary, to disinfect the cargo compartment components, do these steps:

- (a) Disinfect hard non-porous surfaces, except the cargo handling system equipment, with Calla 1452 cleaner, B50280, or Matrix #3 cleaner, B50364.

NOTE: Follow the disinfectant manufacturer's instruction and refer to the EPA List N for applicable contact/dwell time.

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- (b) Alternatively, disinfect hard non-porous surfaces with a solution of 70% alcohol, B00130.

NOTE: Do not apply alcohol to the cargo liner joint sealing tapes or nets.

- (c) Mix a solution of 70 percent alcohol, B00130 with 30 percent de-ionized water.

- (d) Wipe the surface with a cotton wiper, G00034 that is moist with the solution.

NOTE: Refer to the EPA List N or local health authority guidance for required contact/dwell time for Isopropyl Alcohol to be used as a disinfectant.

- (e) Wipe the surface dry with a clean cotton wiper, G00034.



WARNING

ISOPROPYL ALCOHOL IS POISONOUS AND FLAMMABLE. USE PROTECTION EQUIPMENT. MAKE SURE THAT YOU USE ISOPROPYL ALCOHOL IN AN AREA WITH AIRFLOW. IF YOU DO NOT OBEY, INJURY TO PERSONNEL CAN OCCUR.

- (f) Disinfect the cargo handling system equipment with a solution of 70% alcohol, B00130. Wipe on the solution using a cotton wiper, G00034.

NOTE: Refer to the EPA List N or local health authority guidance for required contact/dwell time for Isopropyl Alcohol to be used as a disinfectant.

- (g) Disinfect the cargo handling system screens and displays as follows:



WARNING

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CAUTION

DO NOT APPLY CLEANER DIRECTLY ON THE DISPLAY SURFACE OR THE UNIT. ALWAYS APPLY CLEANER TO THE CLOTH. THIS WILL HELP PREVENT DAMAGE TO THE DISPLAY SURFACE OR THE UNIT.

- 1) Soak a lint-free cloth, G01043 with a solution of 70% alcohol, B00130.



CAUTION

DO NOT USE TOO MUCH FORCE WHEN YOU CLEAN THE DISPLAY SURFACE. TOO MUCH FORCE WILL CAUSE DAMAGE TO THE DISPLAY SURFACE.

- 2) Disinfect the screen or display with the moist lint-free cloth, G01043.

NOTE: Refer to the EPA List N or local health authority guidance for required contact/dwell time for Isopropyl Alcohol to be used as a disinfectant.

- 3) Dry the screen or display with a clean dry lint-free cloth, G01043.



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H. Post-Disinfecting Cleanup

SUBTASK 25-00-00-020-017



DISCARD ALL PERSONAL PROTECTIVE EQUIPMENT AFTER YOU USE IT ONE TIME. DO NOT TRY TO CLEAN IT. DISCARD THE EQUIPMENT IN A PLASTIC DISPOSAL BAG. OBEY THESE INSTRUCTIONS TO PREVENT INJURIES TO PERSONNEL.

- (1) Remove the personal protective equipment and put them in a plastic bag, G00624 with any used cloths. Seal the bag closed with tape.



OBEY THE AIRLINE POLICY, LOCAL HEALTH DEPARTMENT, AND LAW ENFORCEMENT REGULATIONS WHEN YOU DISCARD THIS MATERIAL. OBEY THESE INSTRUCTIONS TO PREVENT INJURIES TO PERSONNEL.

- (a) Discard the bag with the personal protective equipment. Refer to the airline, local health, safety and regulatory procedures for disposal of material.

SUBTASK 25-00-00-110-016



CLEAN YOUR HANDS WITH SOAP AND FLUSH WITH HOT WATER. DIRTY HANDS WITH CONTAMINATION CAN CAUSE DISEASE AND ILLNESSES TO PERSONS.

- (2) Clean your hands with soap and running hot water.

————— END OF TASK —————

TASK 25-00-00-370-801

4. Equipment/Furnishings - Painting

(Figure 701)

A. General

- (1) It is necessary to paint the equipment when the surface finish is damaged.
- (2) Apply the paint with a paint sprayer, hand brush, or air brush.
- (3) Apply a surface finish that is equivalent to the initial surface finish.
- (4) There should be no visual difference between the initial surface finish and new surface finish.
- (5) The procedures that follow are divided into groups of decorative surfaces that you will be painting. These groups are Tedlar, polycarbonate (Lexan), ULTEM, and Declar.
- (6) Fully mix the paint before you use it. It is better to use a mechanical mixer. Do not shake the water emulsion paint too much, because air bubbles will occur.
- (7) Mix the paint to the correct consistency before you spray it. Do not mix thinners from different vendors.
- (8) Keep the air clean. Dirt or lint can contaminate the paint before it is dry.
- (9) The color of the paint must be the same as the old paint or you will see an outline. Use paint with high-grade commercial standards.

B. Consumable Materials

Reference	Description	Specification
B00102	Abrasive - Aluminum Oxide Coated Cloth	

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Reference	Description	Specification
B00130	Alcohol - Isopropyl	TT-I-735
B00148	Solvent - Methyl Ethyl Ketone (MEK)	ASTM D740
B00157	Cleaner - Detergent - Spraywhite E	
B00158	Cleaner - Clean Quick Broad Range Quaternary Sanitizer	
B00159	Cleaner - Detergent - Glo Do-All Formula 3B	
B00161	Cleaner - Detergent - Orvus W. A. paste	
B00184	Solvent - Presealing, Cleaning Solvent	BMS11-7
B00294	Cleaner - Detergent - Glo Do-All Formula 1D	
B50117	Detergent - General	
C00039	Primer - Interior Decorative Urethane, White	BMS10-83 Type I
C00040	Coating - Interior Decorative Urethane Topcoat, Semigloss	BMS10-83 Type II
C00923	Coating - Interior Decorative Urethane Enamel, Low Gloss	BMS10-83 Type III
D00147	Compound - Interior Surface Filling, Polyester Resin	BMS5-136
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	AMS3819 Class 1 Grade A or B Form 1 (Supersede BMS15-5 CL A)
G00270	Tape - Scotch Flatback Masking 250	ASTM D6123 (Supersedes A-A-883)
G02408	Abrasive - Paper, #50 to #400 grit	

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Equipment/Furnishings Painting

SUBTASK 25-00-00-110-007



OBEY THE AIRLINE POLICY, LOCAL HEALTH DEPARTMENT, AND LAW
ENFORCEMENT REGULATIONS WHEN YOU DISCARD THIS MATERIAL.
OBEY THESE INSTRUCTIONS TO PREVENT INJURIES TO PERSONNEL.



OBEY ALL OF THE WARNINGS AND CAUTIONS IN THE REFERENCED
PROCEDURE. IF YOU DO NOT OBEY THE WARNINGS AND CAUTIONS,
INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT CAN OCCUR.

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(WARNING PRECEDES)



DO NOT GET THESE MATERIALS IN YOUR MOUTH, EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM THESE MATERIALS. PUT ON A RESPIRATOR, GOGGLES, AND GLOVES WHEN YOU USE THESE MATERIALS. KEEP THESE MATERIALS AWAY FROM SPARKS, FLAME, AND HEAT. THESE MATERIALS ARE POISONOUS AND FLAMMABLE. THEY CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (1) Use these consumable materials:
- (a) alcohol, B00130
 - (b) solvent, B00148
 - (c) primer, C00039
 - (d) coating, C00040
 - (e) coating, C00923
 - (f) compound, D00147
 - (g) Scotch Flatback Masking Tape 250, G00270
 - (h) #50 to #400 grit abrasive paper, G02408.

NOTE: The minimum grit number to be used is 180 grit.

SUBTASK 25-00-00-110-008

- (2) Use these detergents:
- (a) Spraywhite E cleaner, B00157
 - (b) Clean Quick sanitizer, B00158
 - (c) Glo Do-All Formula 1D cleaner, B00294
 - (d) Glo Do-All Formula 3B cleaner, B00159
 - (e) Orvus WA paste cleaner, B00161.

SUBTASK 25-00-00-170-001

- (3) Use the following steps to paint the Tedlar surfaces:



DO NOT GET THE SOLVENT IN YOUR MOUTH, EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM IT. PUT ON GOGGLES AND GLOVES WHEN YOU USE IT. KEEP IT AWAY FROM SPARKS, FLAMES, AND HEAT. IT IS POISONOUS AND FLAMMABLE. THE SOLVENT CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.



DO NOT KEEP THE SOLVENTS ON THE PLASTICS FOR TOO MUCH TIME. IF THE SOLVENTS STAY ON THE PLASTICS FOR TOO MUCH TIME, DAMAGE TO THE PLASTICS WILL OCCUR.

- I
- (a) Rub the surface with cotton wiper, G00034, that is moist with solvent, B00184.
 - (b) Dry the surface with a clean dry cotton wiper, G00034, before the solvent becomes dry.
 - (c) Apply Scotch Flatback Masking Tape 250, G00270, to the adjacent surfaces.
 - (d) Apply primer, C00039, to the area you will paint.

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SUBTASK 25-00-00-170-002

- (4) Prepare to paint the polycarbonate (Lexan) surfaces using the following steps:
 - (a) Clean the surface with cotton wiper, G00034, that is moist with a mixed detergent.
 - (b) Rub the surface lightly with 180 grit abrasive cloth, B00102, to remove gloss.
 - (c) Clean the surface with a clean cotton wiper, G00034, that is moist with the mixed detergent.

SUBTASK 25-00-00-210-001

- (5) Examine the surface for porosity and voids.
 - (a) If you find surface porosity and voids, do these steps:
 - 1) Put putty on a clean cotton wiper, G00034, at package consistency.
 - 2) Rub the surface with cotton wiper, G00034, to push the putty into surface defects.
 - 3) Let the putty dry for 3/4 to one hour.
 - 4) Remove the unwanted putty with abrasive cloth, B00102.
 - 5) Clean the surface with cotton wiper, G00034, that is moist with mixed detergent.

SUBTASK 25-00-00-370-001



YOU MUST USE THE CORRECT PRIMER BEFORE YOU PAINT THE POLYCARBONATE SURFACES. IF YOU DO NOT USE THE CORRECT PRIMER, THE SOLVENTS IN THE PAINT CAN CAUSE DAMAGE TO THE POLYCARBONATE.

- (6) Apply primer, C00039, to the surface of the part you want to paint.

SUBTASK 25-00-00-110-009

- (7) Use the following steps to prepare to paint the ULTEM and Declar surfaces:
 - (a) Clean the surface of the part with cotton wiper, G00034, that is moist with a mixed general detergent, B50117, or alcohol, B00130.
 - 1) If you use alcohol, wipe the surface dry quickly.
 - a) Do not let the alcohol dry first.
 - (b) Dry the surface with a clean dry cotton wiper, G00034.
 - (c) Examine the surface for porosity or voids.
 - 1) If you find surface porosity or voids, refer to the steps given before to repair the surfaces of polycarbonate materials.
 - (d) Clean the surface of the part again with cotton wiper, G00034, that is moist with mixed general detergent, B50117, or alcohol, B00130.
 - 1) If you use alcohol, wipe the surface dry quickly.
 - a) Do not let the alcohol dry first.
 - (e) Dry the surface with a clean dry cotton wiper, G00034.

E. Prepare to Paint the Tedlar, Polycarbonate, ULTEM, and Declar Surfaces

SUBTASK 25-00-00-370-002

- (1) Mix coating, C00040, or coating, C00923.
 - (a) Use the manufacturer's instructions to mix paint.

SUBTASK 25-00-00-370-003

- (2) Apply several cross-layers of paint until the color agrees with the adjacent areas.

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SUBTASK 25-00-00-370-004

(3) If it is applicable, remove Scotch Flatback Masking Tape 250, G00270.

SUBTASK 25-00-00-370-005

(4) Let the first layer of paint cure for two hours at 70°F (21°C) to 80°F (27°C) before you touch it.

SUBTASK 25-00-00-370-006

(5) Let the first layer cure for one hour before you apply a texture coat.

SUBTASK 25-00-00-370-007

(6) If it is necessary, apply a texture layer of the same paint (do not make it thin).

SUBTASK 25-00-00-370-008

(7) Let it dry for three hours before you touch it.

———— **END OF TASK** ————

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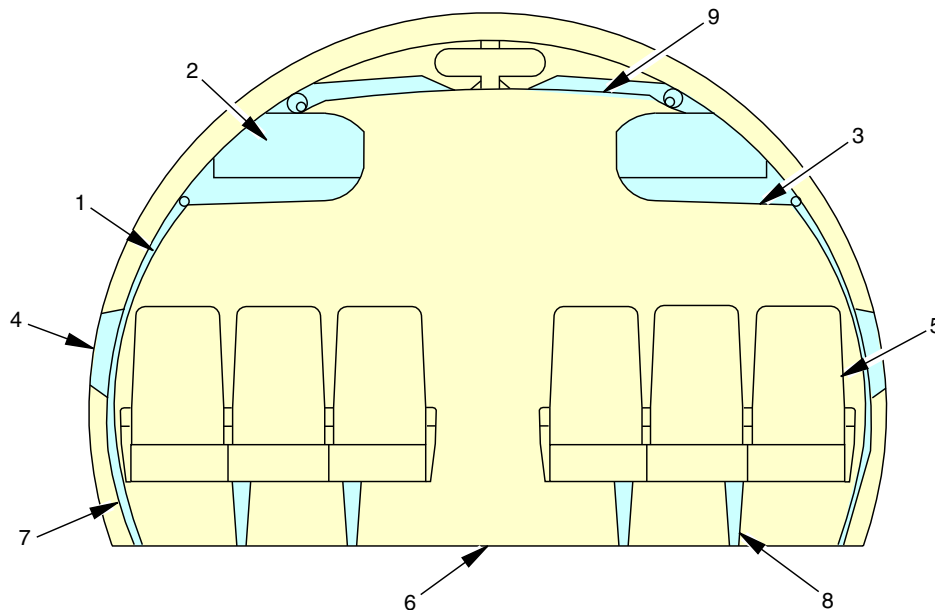
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1. SIDEWALL PANELS - DECORATIVE TEDLAR COVERED CRUSHED CORE
2. STOWAGE BINS - DECORATIVE TEDLAR COVERED HONEYCOMB
3. PASSENGER SERVICE UNITS (PSUs) - TEDLAR CLAD ALUMINUM
4. WINDOW REVEALS - POLYCARBONATE
DUST COVER - HARD COATED POLYCARBONATE
SHADE - TEDLAR COVERED POLYCARBONATE
5. SEAT UPHOLSTERY - 100% WOOL OR 90% WOOL AND 10% NYLON
6. CARPETS - 100% WOOL FACE PILE
7. RISER PANEL FACING - 100% WOOL FABRIC
8. SEAT TRACK COVERS - POLYURETHANE
SEAT TRACKS - ALUMINUM ALLOY
9. CEILING PANELS - DECORATIVE TEDLAR COVERED CRUSHED CORE

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**Example Advanced Technology Interior Material Identification
Figure 701/25-00-00-990-801**

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EQUIPMENT/FURNISHINGS - REPAIRS

1. **General**

A. This procedure contains these tasks:

- (1) Crushed-Core and Sandwich Panel Repair
- (2) Decorative Surface Repair
- (3) Decorative Tedlar removal/installation
- (4) Repair for Nomex Honeycomb Sandwich Panels with a Decorative Tedlar Cover
- (5) Repair for Tedlar Covers of Aluminum Laminates
- (6) Perforated Panel Repair
- (7) Repair for Polycarbonate (Lexan), Ultem, and Declar Plastics
- (8) Urethane Foam Repair
- (9) Aluminum Trim.

TASK 25-00-00-300-801

2. **Crushed-Core and Sandwich Panel Repair**

A. **General**

- (1) This procedure gives instructions to repair crushed-core and sandwich panels that have these types of damage:
 - (a) Small scratches and dents
 - (b) Large dents in thin crushed-core panels
 - (c) Small holes and gouges
 - (d) Damage that is more than 0.5 in² (3.2 cm²) but has no core damage
 - (e) Damage that is more than 0.5 in² (3.2 cm²) with core damage

B. **References**

Reference	Title
20-10-27-910-801	Precautions for Heat Devices (P/B 201)

C. **Tools/Equipment**

Reference	Description
STD-442	Gun - Heat, 180 deg. F (82 deg. C) Maximum Output Temperature
STD-552	Knife - Utility

D. **Consumable Materials**

Reference	Description	Specification
A01021	Compound - Honeycomb Edge Filling & Potting, Epoxy Based, 2 Part, RT Cure (12-25 Min Gel)	BMS5-28 Type 18
B00102	Abrasive - Aluminum Oxide Coated Cloth	
B01027	Solvent - Butyl Carbitol (Dow Chemical - E-Series Glycol Ethers)	
D00147	Compound - Interior Surface Filling, Polyester Resin	BMS5-136

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Reference	Description	Specification
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	AMS3819 Class 1 Grade A or B Form 1 (Supersede BMS15-5 CL A)
G00316	Fabric - Woven Glass Reinforcements For Laminating Plastics	BMS9-3
G02480	Tape - Mylar, Clear, 3.5 mils, Maximum 16.5" Width - Permacel P-255	
G50077	Abrasive - Aluminum Oxide Paper, 240 grit or finer	
G50400	Resin - Fiberglass Layup, Short Worklife, Non-Brominated	BMS8-201 Type IV (Supersedes BMS8-201 Type II)

E. Location Zones

Zone	Area
200	Upper Half of Fuselage

F. Small Scratch and Dent Repair

SUBTASK 25-00-00-350-001

- (1) Make sure the area you want to repair is smaller than 100 in² (645 cm²). If the area is larger than 100 in² (645 cm²), you must apply a foil-backed decorative laminate over the repair. Refer to the Decorative Surface Repair, TASK 25-00-00-300-802.
- (2) Use this process to repair panels that have damage that does not go into the fiberglass or carbon skins.
- (3) For panels that are 0.25 in. (6.35 mm) thick or more, use this procedure to repair scratches and small surface dents that are not more than 0.1 in. (2.5 mm) deep.
- (4) For panels that are less than 0.25 in. (6.35 mm) thick, use this repair procedure to repair scratches and small surface dents that are not more than 0.005 in. (0.127 mm) deep.
- (5) Fill the damaged area with compound, D00147 to make a crown above the adjacent areas.

SUBTASK 25-00-00-350-002

- (6) After the filler is hard, rub it with abrasive cloth, B00102 (400 to 600 grit) to the same level as the surface of the panel.

SUBTASK 25-00-00-350-003

- (7) If this is a decorative panel, do this task: Decorative Surface Repair, TASK 25-00-00-300-802.

G. Large Dent Repair for Crushed-Core Panels

SUBTASK 25-00-00-350-004

- (1) This procedure is for panels less than 0.25 in. (6.35 mm) thick with dents that are more than 0.005 in. (0.127 mm) deep.



BE CAREFUL WHEN YOU APPLY HEAT NEAR MATERIALS THAT CAN BURN. THE TEMPERATURE OF THE TEDLAR MUST NEVER BE MORE THAN 200° F OR THE TEMPERATURE AT WHICH THE TEDLAR DISTORTS, WHICHEVER IS LOWER. TOO MUCH HEAT CAN CAUSE DAMAGE TO THE TEDLAR.

- (2) On the side that does not have dents, increase the temperature of the panel.

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- (a) Use a standard heat 180 deg. F (82 deg. C) maximum output temperature heat gun, STD-442 until the panel is approximately 200°F (93°C).

NOTE: The area of the panel will get more flexible, and very hot. Refer to TASK 20-10-27-910-801 for cautions to obey when you use heat guns.

SUBTASK 25-00-00-350-005

- (3) Push the backside of the panel forward with the round surface of a tool to remove as much of the dent as you can.

SUBTASK 25-00-00-350-006

- (4) After the panel is cool do the process to remove small scratches and dents, if it is necessary.

H. Small Hole and Gouge Repair

SUBTASK 25-00-00-350-007

- (1) This repair is for:
 - (a) Damage that is less than 0.5 in² (3.2 cm²) and goes through the face sheets.
 - (b) Core damage that is less than 0.5 in² (3.2 cm²).
- (2) Remove loose and broken pieces, contamination, and other unwanted material from the damaged area.
 - (a) Use 240 grit or finer abrasive paper, G50077 and a utility knife, STD-552.

SUBTASK 25-00-00-160-033

 WARNING	DO NOT GET SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. PUT ON A RESPIRATOR, PROTECTIVE SPLASH GOGGLES, AND GLOVES WHEN YOU USE SOLVENTS. KEEP THE SOLVENTS AWAY FROM SPARKS, FLAME, AND HEAT. SOLVENTS ARE POISONOUS AND FLAMMABLE. SOLVENTS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (3) Clean the area with a cotton wiper, G00034 that is soaked with Butyl Carbitol solvent, B01027.

SUBTASK 25-00-00-160-034

- (4) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-340-001

- (5) Fill the hole with the compound, A01021.

SUBTASK 25-00-00-280-001

- (6) Let the compound cure for 7 days at 77 ±2°F (25 ±1°C), or 5 hours at 125 ±10°F (52 ±6°C).

SUBTASK 25-00-00-300-001

- (7) If it is a decorative panel, do this task: Decorative Surface Repair, TASK 25-00-00-300-802.

I. Repair for Panels with No Core Damage

SUBTASK 25-00-00-020-001

- (1) Use this procedure to repair panels that have more than 0.5 in. (12.7 mm) damage but no core damage.
- (2) Remove the damaged part of the panel skin.

SUBTASK 25-00-00-120-001

- (3) Rub the area and two inches more on all the sides of the area with abrasive cloth, B00102 (400 to 600 grit) until the area is not glossy.

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SUBTASK 25-00-00-160-035



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- (4) Clean the area with a cotton wiper, G00034 that is soaked with Butyl Carbitol solvent, B01027.

SUBTASK 25-00-00-160-036

- (5) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-340-002

- (6) Follow the manufacturer's instructions to mix the resin, G50400.

SUBTASK 25-00-00-340-003

- (7) Apply fabric, G00316 that is soaked with the mixed adhesive and make an overlap of approximately 0.5 in. (12.7 mm).

NOTE: Use 50% more glass fabric than the initial skin.

SUBTASK 25-00-00-340-004

- (8) Let the fabric, G00316 and adhesive cure for 24 to 36 hours at 75°F (24°C) to 90°F (32°C), or for 3 to 4 hours at 140°F (60°C) to 160°F (71°C).

SUBTASK 25-00-00-350-008

- (9) If this is a decorative panel, do this task: Decorative Surface Repair, TASK 25-00-00-300-802.

J. Repair for Panels with Core Damage

SUBTASK 25-00-00-020-002

- (1) Use this procedure to repair panels that have more than 0.5 in. (12.7 mm) of damage and damaged core
- (2) Remove the damaged skin until you can see at least 0.5 in. (12.7 mm) of core that does not have damage.

SUBTASK 25-00-00-020-003

- (3) Remove the damaged part of the core.
- (a) Make sure 0.5 in. (12.7 mm) of core without damage is shown on all sides of the damaged area.

SUBTASK 25-00-00-160-037



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- (4) Clean the area with a cotton wiper, G00034 soaked with Butyl Carbitol solvent, B01027.

SUBTASK 25-00-00-160-038

- (5) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-350-009

- (6) Use the manufacturer's instructions to mix the compound, A01021.

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SUBTASK 25-00-00-350-010

- (7) Fill the damaged area with the adhesive mixture.

SUBTASK 25-00-00-350-011

- (8) Let the repair cure for 3 hours at 75°F (24°C).

SUBTASK 25-00-00-350-012

- (9) Repair the skin with the steps given for panels that do not have core damage.

K. Potted Insert Repair

SUBTASK 25-00-00-020-004

- (1) Remove the damaged skin and approximately 0.5 in. (12.7 mm) more on all sides of the damage.

SUBTASK 25-00-00-160-039



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- (2) Clean the area with a cotton wiper, G00034 that is soaked with Butyl Carbitol solvent, B01027.

SUBTASK 25-00-00-160-040

- (3) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-280-002

- (4) Cut around the insert from the backside of the panel with a hole saw or an equivalent tool.

NOTE: Be careful not to cut the front side of the panel.

SUBTASK 25-00-00-280-003



BE CAREFUL WHEN YOU APPLY HEAT NEAR MATERIALS THAT CAN BURN. THE TEMPERATURE OF THE TEDLAR MUST NOT BE MORE THAN 200° F (93.3° C) OR THE TEMPERATURE AT WHICH THE TEDLAR DISTORTS, WHICHEVER IS LOWER. TOO MUCH HEAT CAN CAUSE DAMAGE TO THE TEDLAR.

- (5) Carefully increase the temperature of the insert until you can remove the insert from the panel.

SUBTASK 25-00-00-340-005

- (6) Use the manufacturer's instructions to mix the compound, A01021.

SUBTASK 25-00-00-340-006

- (7) Fill the hole with the adhesive mixture.

SUBTASK 25-00-00-340-007

- (8) Push the new insert slowly into the mixture.
 - (a) Let the mixture flow around the insert and completely fill the hole.

SUBTASK 25-00-00-340-008

- (9) Let the adhesive mixture cure at 75°F (24°C) for 3 hours.

SUBTASK 25-00-00-300-002

- (10) Repair the skin with the procedure given for panels that do not have core damage.

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L. Bassinet Fitting Repair

SUBTASK 25-00-00-340-009

- (1) Fully remove the old epoxy material.

SUBTASK 25-00-00-340-010

- (2) Remove some material from under the top skin.

SUBTASK 25-00-00-340-011

- (3) Use the manufacturer's instructions to mix the compound, A01021.

SUBTASK 25-00-00-340-012

- (4) Fill the hole with the adhesive mixture.

SUBTASK 25-00-00-340-013

- (5) Apply Permacel P-255 tape, G02480 to make a cover on the end of the hole in the bassinet fitting.

SUBTASK 25-00-00-340-014

- (6) Slowly push the fitting in the hole.

SUBTASK 25-00-00-340-015

- (7) Remove the unwanted adhesive that comes out when you push the insert in the hole.

SUBTASK 25-00-00-340-016

- (8) Let the adhesive cure for 3 hours minimum.

————— **END OF TASK** —————

TASK 25-00-00-300-802

3. Decorative Surface Repair

A. General

- (1) This task contains instructions to repair painted or Tedlar laminate surfaces that have small scratches, small holes, and gouges.
- (2) This task has these repairs:
- (a) A repair of small scratches and unwanted marks.
 - (b) A repair of the pattern on the tedlar laminate.
 - (c) A repair of small holes and gouges.
 - (d) Application of decorative tedlar laminate - non-acoustical (non-adhesive-back).
 - (e) Application of decorative tedlar laminate with a pressure sensitive adhesive (adhesive-back).

NOTE: This is the preferred repair when tedlar material will be applied inside the airplane.

- (3) The area for repair of decorative surfaces must be smaller than 100 in² (645.2 cm²). If the area is larger than 100 in² (645 cm²), you must replace the part.

B. References

Reference	Title
20-10-27-910-801	Precautions for Heat Devices (P/B 201)

C. Tools/Equipment

Reference	Description
STD-442	Gun - Heat, 180 deg. F (82 deg. C) Maximum Output Temperature

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Reference	Description
STD-1080	Brush - Paint
STD-1089	Vacuum Source, 0 to -5.0 psig
STD-1133	Gun - Spray, Paint, with Interchangeable Nozzles
STD-1205	Wheel - Buffer, Cotton Cloth, 80/92 Thread Count, Spiral Sewn, 6 Inch Diameter, 7/8 Inch Thick, 1/4 Inch Arbor Hole
STD-6639	Vacuum Source, 30 to 10 Inches HgA (absolute)

D. Consumable Materials

Reference	Description	Specification
A00555	Adhesive - For Bonding Decorative Laminate, 2 Part, Sprayable	BMS5-127 Type II
A00693	Rubber - Silicone Casting - RTV 41	
A01052	Rubber - Silicone Casting - RTV 61	
B00026	Compound - Buffing - Learok 119	
B00027	Compound - Buffing - Learok 884E (Formerly Learok 888)	
B00102	Abrasive - Aluminum Oxide Coated Cloth	
B00148	Solvent - Methyl Ethyl Ketone (MEK)	ASTM D740
B01027	Solvent - Butyl Carbitol (Dow Chemical - E-Series Glycol Ethers)	
C00063	Ink - Screen Printing, Pigmented	BMS10-73 Type I
C00368	Ink - Screen Printing, Clear	BMS10-73 Type II
D00147	Compound - Interior Surface Filling, Polyester Resin	BMS5-136
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	AMS3819 Class 1 Grade A or B Form 1 (Supersede BMS15-5 CLA)
G02310	Ink - Water-Based, Screen Printing	BMS10-107
G02446	Laminate - Tedlar	BAC5596 Type XIII

E. Location Zones

Zone	Area
200	Upper Half of Fuselage

F. Small Scratch and Unwanted Mark Repair

SUBTASK 25-00-00-120-002

- (1) The repair depth cannot be larger than 0.10 in. (2.5 mm) in a Tedlar laminate covered panel that is 0.25 in. (6.35 mm) thick or more, or 0.005 in. (0.127 mm) deep in a panel that is less than 0.25 in. (6.35 mm) thick.

SUBTASK 25-00-00-120-005

- (2) Make sure the area you want to repair is smaller than 100 in² (645 cm²). If the area is larger than 100 in² (645 cm²), you must replace the full decorative tedlar part (TASK 25-00-00-900-801).

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SUBTASK 25-00-00-120-006



DO NOT RUB THROUGH THE TEDLAR WHEN YOU REPAIR THE SMALL SCRATCHES OR UNWANTED MARKS. YOU WILL CAUSE MORE REPAIRS TO BE NECESSARY IF YOU RUB THROUGH THE TEDLAR.

- (3) Rub the surface lightly with abrasive cloth, B00102 paper (400 to 600 grit) until the area is not rough.

SUBTASK 25-00-00-340-017

- (4) Polish the damaged area with the buffing cotton cloth buffer wheel, STD-1205 until the area is as glossy as the adjacent areas.
 - (a) Use buffing Learok 119 compound, B00026 or buffing Learok 884E compound, B00027.

G. Tedlar Pattern Repair

SUBTASK 25-00-00-370-009

- (1) Apply ink, C00063 or ink, C00368 of the correct color.
 - (a) Let the ink dry for 15 minutes.

SUBTASK 25-00-00-370-010

- (2) To reduce the gloss of the silk screen ink, lightly apply a clear acrylic with a spray paint spray gun with interchangeable nozzles, STD-1133.

H. Small Hole and Gouge Repair

SUBTASK 25-00-00-340-018

- (1) Apply compound, D00147 to the area with damage.

NOTE: Apply more filler than is necessary to make sure the gouge is fully filled. You will remove the unwanted filler in the subsequent steps.

SUBTASK 25-00-00-340-019

- (2) When the filler is hard, rub the area with abrasive cloth, B00102 paper (240 to 320 grit) until the filler is level with the adjacent surfaces.
 - (a) Do not rub through the tedlar that is not damaged.

SUBTASK 25-00-00-340-020



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- (3) Use these steps to make a silicone embossing pad of the surface that is adjacent to the area you will repair.
 - (a) Clean the surface with a clean cotton wiper, G00034 soaked with Butyl Carbitol solvent, B01027.
 - (b) Dry the surface with a clean cotton wiper, G00034.
 - (c) Make a frame approximately $\frac{3}{8}$ in. (10 mm) wide by $\frac{1}{2}$ in. (13 mm) high, around the clean surface.
 - 1) Use wood, clay, or high temperature vacuum sealant tape for the frame.

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- (d) Apply a thin level of prepared silicone rubber on the textured surface in the frame with a brush.

- 1) Apply a thin layer of the prepared silicone RTV 41 rubber, A00693 or RTV 61 rubber, A01052 on the textured surface in the frame with a paint brush, STD-1080.

NOTE: Almost all brands, types, or colors of castable silicone rubber are satisfactory, but not the dark red types which contain finely divided iron oxide. XIAMETER, from Dow Corning, RTV Silicone Moldmaking Materials and Momentive Performance Materials RTV Silicone Rubber Compounds are also preferred. Prepare the silicone rubber with the manufacturer's instructions.

- 2) Continue to use the brush until you cannot see air bubbles.

- (e) Pour the remaining silicone RTV 41 rubber, A00693 or RTV 61 rubber, A01052 on the brushed surface until it is ¼ in. (6 mm) thick.

NOTE: One pound of prepared silicone rubber will make a 10 in. (25 cm) by 10 in. (25 cm) by ¼ in. (6 mm) replica.

- 1) Let the silicone cure at room temperature for 48 hours.

- (f) When the silicone is dry, remove the embossed pad from the surface.

SUBTASK 25-00-00-370-011

- (4) Apply ink, G02310 or ink, C00368 of the correct color to the repair surface.

- (a) Let the ink dry for 15 minutes.

SUBTASK 25-00-00-340-021

- (5) Apply the silicone embossing pad to the repaired surface.

SUBTASK 25-00-00-340-022

- (6) Use a vacuum source (30 to 10 inches HgA), STD-6639 to apply a vacuum of approximately 10 in. (25 cm) of mercury at 160°F (71°C).

SUBTASK 25-00-00-340-023

- (7) If the above procedure is not satisfactory, replace the decorative laminate (TASK 25-00-00-900-801).

I. Apply Decorative Tedlar Laminate - Non-Acoustical (Non-adhesive-back)

NOTE: If it is necessary, repair the panel before you apply the tedlar.

SUBTASK 25-00-00-020-005

- (1) Remove the trim strips from the panel.

SUBTASK 25-00-00-120-003

- (2) Rub the area with abrasive cloth, B00102 paper where you will apply the adhesive.

SUBTASK 25-00-00-160-041



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- (3) Clean the area with a cotton wiper, G00034 that is moist with Butyl Carbitol solvent, B01027 or solvent, B00148.

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SUBTASK 25-00-00-160-042

- (4) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-340-024

- (5) Mix sixteen parts adhesive (by volume) with one part curing agent of adhesive, A00555.
(a) Let the mixture set for two minutes.

SUBTASK 25-00-00-340-025



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- (6) If you want to spray the adhesive mixture, mix (by volume) one part adhesive mixture with one part solvent, B00148.

SUBTASK 25-00-00-340-026

- (7) Carefully spray the mixture with a paint spray gun with interchangeable nozzles, STD-1133 or apply the mixture with a brush.
(a) Let the surface dry at room temperature for a minimum of two hours.

NOTE: The surface must be fully dry before you install the tedlar laminate. If you install the tedlar to a wet surface, you will not get a satisfactory bond.

SUBTASK 25-00-00-210-002

- (8) Put the decorative Tedlar laminate, G02446 in position.
(a) Make sure the decorative tedlar laminate has the correct color and pattern.

NOTE: Use the masking tape to hold the decorative Tedlar laminate in the correct position.

SUBTASK 25-00-00-880-001



BE CAREFUL WHEN YOU APPLY HEAT NEAR MATERIALS THAT CAN BURN. THE TEMPERATURE OF THE TEDLAR MUST NOT BE MORE THAN 200° F (93.3° C) OR THE TEMPERATURE AT WHICH THE TEDLAR DISTORTS, WHICHEVER IS LOWER. TOO MUCH HEAT CAN CAUSE DAMAGE TO THE TEDLAR.

- (9) Use a heat 180 deg. F (82 deg. C) maximum output temperature heat gun, STD-442 to reactivate the adhesive.

NOTE: Make sure the temperature is constant across the surface of the laminate. Refer to TASK 20-10-27-910-801 for cautions to obey when you use the heat guns.

NOTE: These steps are recommended to achieve a better adhesion.

SUBTASK 25-00-00-340-027

- (10) Use a vacuum source (0 to -5.0 psig), STD-1089 to make sure the laminate touches all of the panel:

NOTE: These steps are recommended to achieve a better repair. They are not required.

- (a) Use the maximum vacuum possible that will not cause damage to the panel.
(b) Cure the laminate for 24 hours at room temperature, or for two hours at 120°F (49°C), or for 30 minutes at 180°F (82°C).
(c) Let the part cool to 90°F (32°C) before you remove the vacuum pressure.

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J. Apply Decorative Tedlar Laminate with a Pressure Sensitive Adhesive (adhesive-back)

NOTE: Use this procedure to apply laminate to non-acoustical (not perforated) panels with flat or simple contours. If it is necessary, repair the panel before you apply the tedlar.

SUBTASK 25-00-00-020-006

- (1) Remove the trim strips from the panel.

SUBTASK 25-00-00-340-028

- (2) Rub the area where you will apply the Tedlar laminate with abrasive cloth, B00102 to remove the surface contamination.

SUBTASK 25-00-00-110-010



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- (3) Clean the area with a cotton wiper, G00034 that is soaked with Butyl Carbitol solvent, B01027 or solvent, B00148.

SUBTASK 25-00-00-110-011

- (4) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-020-007

- (5) Remove the release paper from the laminate you want to apply.

SUBTASK 25-00-00-420-001

- (6) Apply the laminate.

NOTE: Make sure the pattern is in the correct position. If the patterns are not aligned, the repair will not look satisfactory.

NOTE: Bubbles will result if you allow air to get below the laminate.

SUBTASK 25-00-00-880-002



BE CAREFUL WHEN YOU APPLY HEAT NEAR MATERIALS THAT CAN BURN. THE TEMPERATURE OF THE TEDLAR MUST NOT BE MORE THAN 200° F (93.3° C) OR THE TEMPERATURE AT WHICH THE TEDLAR DISTORTS, WHICHEVER IS LOWER. TOO MUCH HEAT CAN CAUSE DAMAGE TO THE TEDLAR.

- (7) Use a heat 180 deg. F (82 deg. C) maximum output temperature heat gun, STD-442 to increase the temperature of the tedlar laminate.

NOTE: Make sure the temperature remains constant across the surface of the laminate. Refer to (TASK 20-10-27-910-801) for cautions to obey when you use heat guns.

SUBTASK 25-00-00-340-029

- (8) Rub the tedlar laminate until the bond is satisfactory and you cannot see bubbles.

SUBTASK 25-00-00-340-030

- (9) Use a vacuum source (0 to -5.0 psig), STD-1089 to make sure the laminate touches all of the panel:

NOTE: These steps are recommended to achieve a better repair. They are not required.

- (a) Use the maximum vacuum possible that will not cause damage to the panel.

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- (b) Cure the laminate for 24 hours at room temperature, or for two hours at 120°F (49°C), or for 30 minutes at 180°F (82°C).
- (c) Let the part cool to 90°F (32°C) before you remove the vacuum pressure.

———— **END OF TASK** ————

TASK 25-00-00-900-801

4. Decorative Tedlar Removal/Installation

A. General

- (1) This task gives instructions to replace damaged decorative tedlar laminate on the honeycomb sandwich panels.

NOTE: If possible, replace the damaged area with the same type of Tedlar material that the damaged area was initially made from.

- (2) This task has these repairs:
 - (a) Removal of the decorative tedlar.
 - (b) Installation of the decorative tedlar (non-adhesive-backed).
 - (c) Installation of decorative tedlar laminate with a pressure sensitive adhesive (adhesive-backed).

B. References

Reference	Title
20-10-27-910-801	Precautions for Heat Devices (P/B 201)

C. Tools/Equipment

Reference	Description
STD-552	Knife - Utility
STD-1181	Gloves - Heat Protective

D. Consumable Materials

Reference	Description	Specification
A00555	Adhesive - For Bonding Decorative Laminate, 2 Part, Sprayable	BMS5-127 Type II
B00184	Solvent - Presealing, Cleaning Solvent	BMS11-7
B01027	Solvent - Butyl Carbitol (Dow Chemical - E-Series Glycol Ethers)	
B50201	Wipe - Alcohol (Isopropyl Alcohol)	
C00063	Ink - Screen Printing, Pigmented	BMS10-73 Type I
C00662	Thinner - C25/90S	
C00923	Coating - Interior Decorative Urethane Enamel, Low Gloss	BMS10-83 Type III
C50127	Coating - Paint, Krylon 1311 Matte Finish Coating	
D00147	Compound - Interior Surface Filling, Polyester Resin	BMS5-136
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	AMS3819 Class 1 Grade A or B Form 1 (Supersede BMS15-5 CL A)

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Reference	Description	Specification
G02310	Ink - Water-Based, Screen Printing	BMS10-107
G02446	Laminate - Tedlar	BAC5596 Type XIII
G50133 [P05-274]	Abrasive - Silicon Carbide Paper, 80 grit	
G50339	Abrasive Paper - Aluminum Oxide, 600 Grit	
G50693	Powder - Untreated Fumed Silica, Cab-O-Sil HS-5	

E. Location Zones

Zone	Area
200	Upper Half of Fuselage

F. Decorative Tedlar Removal

SUBTASK 25-00-00-000-001

- (1) Do these steps to remove the decorative laminate, G02446 from the base panel.
NOTE: This repair procedure is best completed after the panel is removed from the airplane.
 - (a) Attach the panel safely with the decorative side in the up position.
 - (b) Put on the heat protective gloves, STD-1181.
 - (c) Use a heat gun to apply heat to the corner of the panel, (TASK 20-10-27-910-801).
NOTE: Do not let the heat collect in one spot for more than 20 seconds.
 - (d) Start removing the laminate by prying at the corner of the panel.
 - (e) Slowly pull the laminate from the panel surface.
 - (f) Point the heat gun in front of the area where the laminate continues to be attached to the panel.
 - 1) Keep a constant pressure on the laminate as you pull it from the panel.
 - 2) When the temperature reaches the correct level, the laminate will release from the panel.
 - (g) Continue this procedure until the laminate is fully removed.

G. Decorative Tedlar Installation

SUBTASK 25-00-00-340-031

- (1) Do the following steps to install the decorative tedlar laminate, G02446 (DTL) to the base panel.
 - (a) Do these steps to prepare the surface of the part:
 - 1) Scrape excess resin build up with a utility knife, STD-552.
 - 2) Remove dust or visible contaminants with compressed air or a cloth.
 - 3) If necessary, fill surface imperfections with compound, D00147.
 - a) Make sure that the filler dries sufficiently.
 - b) Sand the filled area with 80 grit abrasive paper, G50133 [P05-274] or finer.
 - c) Blow or vacuum all remaining residue.
 - d) Clean with a dry or water-moistened cloth.
 - e) Repeat the cleaning process until the wipers are not dirty and the surface is visibly clean.

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- (b) Clean the panel surface again with a clean cotton wiper, G00034 that is soaked with solvent, B00184.
- (c) Apply adhesive, A00555 to the panel surface.
- (d) Align the laminate, G02446 by the pattern location and apply to the adhesive coated panel.

NOTE: This should be done within 8 hours of the adhesive application.

- (e) Put the adhesive coated panel in the appropriate vacuum forming tool.
- (f) Preheat the DTL to a temperature that allows the laminate to form to the panel contours when vacuum is applied.

NOTE: This cycle will have to be determined for each part.

- (g) Use a vacuum with a minimum of 20 inches of mercury to pull the flexible DTL onto the panel surface.
- (h) Let the part cure.

NOTE: Use the cure cycle time that was used before for the specific part that provided the minimum bondline temperature at 170°F (76.7°C).

- (i) Remove the vacuum only when the part cools to 90°F (32.2°C) or below or to a temperature that will make sure that the DTL does not delaminate from the panel.
- (j) Make sure that the individual part meets these requirements:
 - 1) Make sure that the part has no visible blisters or other delamination and has no signs of poor adhesion of the DTL.
 - 2) Make sure that the part is inspected for correct orientation, dirt, unwanted material, cracks, pits, or other imperfections detrimental to the color, texture, and general appearance.
- (k) Do these steps to bond the edge wrap of the DTLs:



CAUTION

DO NOT LET THE TEDLAR LAMINATE HIT OTHER OBJECTS WHEN YOU MOVE THE PANEL. THE TEDLAR LAMINATE IS BRITTLE. DAMAGE TO THE PANEL WILL OCCUR.

- 1) Use precautions to protect the surface when you move the panel.

NOTE: The DTL that extends beyond the panel is brittle. Tears or splits can cause panel rejection.

- 2) Put the DTL face down on the correct nesting tool.
- 3) If necessary, trim the DTL.
- 4) Brush or spray adhesive, A00555 to both flap and part.
- 5) Pull the DTL over the edge to form a smooth surface.
- 6) Put the flap tightly onto the back of the part.



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WHEN YOU DO WORK AROUND THE TEDLAR LAMINATE, MAKE SURE THAT YOU DO NOT APPLY MORE THAN 220°F (104°C) OF HEAT TO THE TEDLAR LAMINATE. TOO MUCH HEAT CAN CAUSE DAMAGE TO THE TEDLAR LAMINATE.

- 7) Rub or apply pressure tightly against the edge to form a good bond between the DTL and the part.
NOTE: Heat can be applied to carefully soften the DTL.
- 8) If necessary, the part can be vacuum bagged to hold the edge wrap in place.
- 9) Cure the part at 75°F (23.9°C) for 12 hours minimum.
NOTE: Heat can be applied instead to achieve the same results, for example, use 120 ±10°F (48.9 ±5.6°C) for 2 hours minimum or 180 ±10°F (82.2 ±5.6°C) for 30 minutes minimum.
 - a) If the part is heated, cool to below 90°F (32.2°C) before you release the vacuum.
- (I) Do these steps for general rework of the decorative surfaces for scratches, chips, scuff marks, and small entrapped particles:
 - 1) If the damaged area is less than 0.25 in. (6.35 mm) in diameter and less than 0.005 in. (0.127 mm) deep do these steps:
 - a) Clean the panel surface with a clean cotton wiper, G00034 that is soaked with solvent, B00184.
 - b) Remove excess solvent with clean dry cotton wiper, G00034.
NOTE: Use alcohol wipes, B50201 to remove any slow evaporating residual solvent.
 - c) Sand the area lightly with 600 grit abrasive paper, G50339.
 - d) Blow or vacuum all remaining residue.
 - e) Clean with a dry or water-moistened cloth.
 - f) Repeat the cleaning process until the wipers are not dirty and the surface is visibly clean.
 - g) Apply ink, G02310, ink, C00063, or coating, C00923 of the correct color to the damaged area.
NOTE: If necessary, use C25/90S thinner, C00662 for proper viscosity adjustments. Tap water is acceptable for the ink, G02310. Cab-O-Sil HS-5 Silica Powder, G50693 can also be added to provide for filling properties.
 - h) Allow the ink or paint to dry to room temperature for 15 minutes minimum.
 - i) Use coating, C50127 to reduce the gloss or match the appearance of the surrounding rework area.
 - 2) Do these steps for general rework for small particles trapped under the decorative laminate:
 - a) Small particles can be broken apart with light pressure and left in the panel, provided the panel still meets the appearance and texture requirements.
 - <1> Clean the panel surface with a clean cotton wiper, G00034 that is soaked with solvent, B00184.
 - <2> Put a piece of clear film over the entrapped particle.

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- <3> Gently press the particle into the panel, taking care not to damage the decorative surface.

NOTE: Heat may be used to soften the DTL but do not exceed 200°F (93.3°C) to avoid delamination or discoloration of the DTL.

- b) If the particle does not break apart do these tasks:

- <1> Clean the panel surface again with a clean cotton wiper, G00034 that is soaked with solvent, B00184.

- <2> Make a small cut into the DTL.

- <3> Lift the DTL back to remove the particle.

- <4> Apply adhesive, A00555 to both faying surfaces.

NOTE: Heat may be used to soften the DTL but do not exceed 200°F (93.3°C) to avoid delamination or discoloration of the DTL.

- <5> Join the faying surfaces and apply pressure to make sure of correct contact.

NOTE: Make sure to avoid trapping air or creating wrinkles.

- <6> Wipe off excess adhesive and sand smooth with 600 grit abrasive paper, G50339.

- <7> Blow or vacuum all remaining residue.

- <8> Clean with a dry or moist cloth.

- <9> Repeat the cleaning process until the wipers are not dirty and the surface is visibly clean.

- <10> Apply ink, C00063, ink, G02310, or coating, C00923 of the correct color to the damaged area.

NOTE: If necessary, use C25/90S thinner, C00662 for proper viscosity adjustments. Tap water is acceptable for the ink, G02310. Cab-O-Sil HS-5 Silica Powder, G50693 can also be added to provide for filling properties.

- <11> Allow the ink or paint to dry to room temperature for 15 minutes minimum.

- <12> Use coating, C50127 to reduce the gloss or match the appearance of the surrounding rework area.

- (m) Do these steps for small area minor DTL edge delaminations of less than 3 in. (7.6 cm) in diameter within the periphery of the panel:

- 1) Apply adhesive, A00555 to the delaminated area of the panel.

- 2) Reapply the laminate, G02446 to the adhesive coated panel.

NOTE: Make sure to avoid trapping air or creating wrinkles.

- 3) Use a vacuum with a minimum of 20 inches of mercury to pull the flexible DTL onto the panel surface.

- 4) Let the part cure.

NOTE: Follow the predetermined cure cycle time that was used before to provide the bondline temperature at 170°F (76.7°C).

- 5) Cool the assembly to below 90°F (32.2°C) before removing the vacuum.



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H. Decorative Tedlar Installation (pressure sensitive adhesive-backed)

NOTE: Use this task to apply laminate to non-acoustical (not perforated) panels with flat or simple contours.

SUBTASK 25-00-00-100-001



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- (1) Do these steps to install the laminate, G02446 to the base panel.
 - (a) Clean the area with a clean cotton wiper, G00034 that is wet with Butyl Carbitol solvent, B01027.
 - (b) Dry the area with a clean cotton wiper, G00034.
 - (c) Remove the release paper from the laminate, G02446 you want to apply.
 - (d) Apply the laminate, G02446.

NOTE: Make sure the pattern is in the correct position. If the patterns are not aligned, the installation will not look satisfactory.
 - (e) Rub the laminate, G02446 until the bond is satisfactory and you cannot see bubbles.
 - (f) Do these steps with vacuum pressure to make sure the laminate touches all of the panel:
 - 1) Use the maximum vacuum possible that will not cause damage to the panel.
 - 2) Let the laminate cure for 24 hours at room temperature, for two hours at 120°F (49°C) or for 30 minutes at 180°F (82°C).
 - 3) Let the part cool to 90°F (32°C) before you remove the vacuum pressure.

————— END OF TASK —————

TASK 25-00-00-300-803

5. Repair for Nomex Honeycomb Sandwich Panels with a Decorative Tedlar Cover

A. General

- (1) This task gives instructions to repair damage that went through the decorative Tedlar laminate into the honeycomb sandwich panels.
- (2) The area to be repaired must be smaller than 100 in² (645.2 cm²). If the area to be repaired is larger than 100 in² (645.2 cm²) you must replace the part.
- (3) The repairs in this procedure are not effective for the panels in the cargo compartment. Refer to CARGO COMPARTMENT LINING AND FLOOR PANEL - REPAIRS, PAGEBLOCK 50-10-01/801 for the applicable repair.

B. References

Reference	Title
50-10-01 P/B 801	CARGO COMPARTMENT LINING AND FLOOR PANEL - REPAIRS

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C. Consumable Materials

Reference	Description	Specification
A00273	Adhesive - Epoxy Polyamide, 2 Part, Natural Colored	BMS5-126 Type II Class 1
A00693	Rubber - Silicone Casting - RTV 41	
A01052	Rubber - Silicone Casting - RTV 61	
B00102	Abrasive - Aluminum Oxide Coated Cloth	
B01027	Solvent - Butyl Carbitol (Dow Chemical - E-Series Glycol Ethers)	
C00063	Ink - Screen Printing, Pigmented	BMS10-73 Type I
C00368	Ink - Screen Printing, Clear	BMS10-73 Type II
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	AMS3819 Class 1 Grade A or B Form 1 (Supersede BMS15-5 CLA)
G00270	Tape - Scotch Flatback Masking 250	ASTM D6123 (Supersedes A-A-883)
G01288	Tape - Carpet	BMS5-133
G50400	Resin - Fiberglass Layup, Short Worklife, Non-Brominated	BMS8-201 Type IV (Supersedes BMS8-201 Type II)

D. Location Zones

Zone	Area
200	Upper Half of Fuselage

E. Repair for Flat Panels or Simple Contoured Panels with Large Radii Bead

SUBTASK 25-00-00-340-032



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- (1) Use these steps to make a silicone embossing pad of the surface that is adjacent to the area you will repair:
 - (a) Clean the area with a clean cotton wiper, G00034 that is wet with Butyl Carbitol solvent, B01027.
 - (b) Dry the area with a clean cotton wiper, G00034.
 - (c) Make a frame, approximately $\frac{3}{8}$ in. (9.5 mm) wide by $\frac{1}{2}$ in. (12.7 mm) high, around the clean surface.

NOTE: Use wood, clay, or high temperature vacuum sealant tape for the frame.

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- (d) Apply a thin layer of prepared silicone RTV 41 rubber, A00693 or RTV 61 rubber, A01052 on the textured surface in the frame with a brush.

NOTE: Almost all brands, types, or colors of castable silicone rubber are satisfactory, but not the dark red types which contain finely divided iron oxide. XIAMETER, from Dow Corning, RTV Silicone Moldmaking Materials and Momentive Performance Materials RTV Silicone Rubber Compounds are also preferred. Prepare the silicone with the manufacturer's instructions.

- (e) Pour the remaining RTV 41 rubber, A00693 or RTV 61 rubber, A01052 on the brushed surface until it is ¼ in. (6.4 mm) thick.

NOTE: One pound of prepared silicone rubber will make a 10-inch (25.4 cm) by 10-inch (25.4 cm) by 1/4-inch (6.4 mm) replica.

- 1) Let the silicone cure at room temperature for 48 hours.
- (f) When the silicone is dry, remove the embossed pad from the surface.

SUBTASK 25-00-00-340-033

- (2) Attach a template with the correct hole diameter on the damaged area with the carpet tape, G01288.

- (a) Use the hole saw to remove the damaged area.

NOTE: Use a guard to make sure you do not cut the aft surface of the panel.

SUBTASK 25-00-00-340-034

- (3) Mix the adhesive, A00273.

NOTE: If the adhesive is a four-component system, do the steps that follow:

- (a) Mix 80 parts (by weight) of Epon 828 or DER 331 with 20 parts (by weight) Heloxy 68 to make component A.
- (b) Mix 50 parts (by weight) of Versamid 115 with 50 parts (by weight) of Versamid 125 to make component B.
- (c) Mix equal parts (by weight) of components A and B to make the adhesive mixture.

SUBTASK 25-00-00-340-035

- (4) Bond a piece of decorative laminate of the correct color, design and texture to a piece of foam with the adhesive mixture.

NOTE: The foam thickness must be the same thickness as the honeycomb core from the damaged area.

- (a) Let the adhesive cure.

SUBTASK 25-00-00-340-036

- (5) Attach a template to a piece of foam with the carpet tape, G01288.

NOTE: The hole diameter of the foam must equal the inner diameter of the cutter.

SUBTASK 25-00-00-340-037

- (6) Cut a repair plug from the piece of foam.

SUBTASK 25-00-00-340-038

- (7) Rub the repair plug with abrasive cloth, B00102 paper (120 to 200 grit) if it is necessary to get a satisfactory fit.

SUBTASK 25-00-00-340-039

- (8) Bond the repair plug in the hole with the adhesive, A00273 mixture.

NOTE: Use the minimum quantity possible to get a satisfactory bond.

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SUBTASK 25-00-00-340-040

- (9) Fill the clearance around the repair plug with the adhesive, A00273 mixture.

NOTE: Apply more than is necessary to make sure the clearance is fully filled. The unwanted material is removed in the following step.

SUBTASK 25-00-00-340-041

- (10) Let the adhesive, A00273 mixture cure.

SUBTASK 25-00-00-950-001

- (11) Apply the Scotch Flatback Masking Tape 250, G00270 to the area around the repair.

SUBTASK 25-00-00-340-042

- (12) Rub the area with 240 to 320 grit abrasive cloth, B00102 paper until it is smooth and level with the adjacent surfaces.

SUBTASK 25-00-00-370-012

- (13) Apply ink, C00063 or ink, C00368 of the correct color to match the adjacent area.

- (a) Let the ink dry for 15 minutes.

SUBTASK 25-00-00-340-043

- (14) Apply the silicone embossing pad to the surface you repaired and then apply vacuum pressure (approximately 10 in/Hg (33.9 kPa)).

- (a) Keep this configuration until the surface is cured (15 minutes) at 160°F (71.1°C).

F. Compound Curative Panel Repair

SUBTASK 25-00-00-280-004

- (1) Attach a template with the correct hole diameter on the damaged area with the carpet tape, G01288.

SUBTASK 25-00-00-340-044

- (2) Cut out the damaged area; go through the full thickness of the panel (non-decorative skin too).

SUBTASK 25-00-00-300-005

- (3) In areas where you cannot use a template, do the steps that follow:

- (a) Drill a ¼ in. (6.4 mm) hole through the damaged area.
(b) Use a hole saw with the ¼ in. (6.4 mm) pilot to remove the damaged area.

SUBTASK 25-00-00-340-045



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- (4) Use these steps to make a silicone embossing pad of the surface that is adjacent to the area you will repair:
- (a) Clean the area with a clean cotton wiper, G00034 that is wet with Butyl Carbitol solvent, B01027.
- (b) Dry the area with a clean cotton wiper, G00034.
- (c) Make a frame, approximately ⅜ in. (9.5 mm) wide by ½ in. (12.7 mm) high, around the clean surface.

NOTE: Use wood, clay, or high temperature vacuum sealant tape for the frame.

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- (d) Apply a thin layer of prepared silicone RTV 41 rubber, A00693 or RTV 61 rubber, A01052 on the textured surface in the frame with a brush.

NOTE: Almost all brands, types, or colors of castable silicone rubber are satisfactory, but not the dark red types which contain finely divided iron oxide. XIAMETER, from Dow Corning, RTV Silicone Moldmaking Materials and Momentive Performance Materials RTV Silicone Rubber Compounds are also preferred. Prepare the silicone with the manufacturer's instructions.

- (e) Pour the remaining silicone RTV 41 rubber, A00693 or RTV 61 rubber, A01052 on the brushed surface until it is ¼ in. (6.4 mm) thick.

NOTE: One pound of prepared silicone rubber will make a 10 in. (25.4 cm) by 10-inch (25.4 cm) by 1/4-inch (6.4 mm) replica.

- 1) Let the silicone cure at room temperature for 48 hours.
(f) When the silicone is dry, remove the embossed pad from the surface.

SUBTASK 25-00-00-340-046

- (5) Put the silicone embossing pad over the hole in the decorative face of the panel.

SUBTASK 25-00-00-340-047

- (6) Hold the texture blanket in the correct position with weights or a vacuum bag.
(7) In areas where you cannot use a texture blanket, seal the hole with Scotch Flatback Masking Tape 250, G00270.

SUBTASK 25-00-00-340-048



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- (8) Fill the hole from the non-decorative side of the panel with resin, G50400.

SUBTASK 25-00-00-340-049

- (9) Let the adhesive cure at room temperature for 24 hours, or at 140°F (60.0°C) for 2 hours.

SUBTASK 25-00-00-020-008

- (10) Remove the silicone embossing pad or the tape.

SUBTASK 25-00-00-370-013

- (11) Apply ink, C00063 or ink, C00368 of the correct color.

SUBTASK 25-00-00-370-014

- (12) Let the ink dry for 15 minutes.

SUBTASK 25-00-00-340-050

- (13) Apply the silicone embossing pad to the repaired surface, if it is possible.
(a) Apply vacuum pressure (approximately 10 in/Hg (33.9 kPa)).

SUBTASK 25-00-00-340-051

- (14) Let the surface cure for about 15 minutes at 160°F (71.1°C) before you remove the embossing pad.

———— **END OF TASK** ————

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TASK 25-00-00-300-804

6. Repair for Tedlar Covers of Aluminum Laminates

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-00-00-300-003

- (1) To repair scratches or small dents (not more than 0.050-inch (12.7 mm) depth), do the repair procedures given for Crushed-Core and Sandwich Panel Repair, TASK 25-00-00-300-801.

————— END OF TASK —————

TASK 25-00-00-300-805

7. Perforated Panel Repair

A. General

- (1) This task gives the instructions to repair damage of not more than 1.5 in. (38.1 mm) in diameter to the following panels:
- (a) A repair of acoustical panels that have damage through the decorative surface and the fiberglass screen.
- (b) To apply Tedlar laminate to the surface of the acoustical panels.

B. References

Reference	Title
20-10-27-910-801	Precautions for Heat Devices (P/B 201)

C. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt.", which stands for Optional.

Reference	Description
SPL-1474	Generator - Vacuum Part #: ST9999-VBA-1 Supplier: 81205 Part #: ST9999-VBA-201 Supplier: 81205 Opt Part #: ST9999-VBA-301 Supplier: 81205
STD-442	Gun - Heat, 180 deg. F (82 deg. C) Maximum Output Temperature
STD-1080	Brush - Paint

D. Consumable Materials

Reference	Description	Specification
A00039	Adhesive - Epibond 126-A/B Epoxy Adhesive (126-A/B System)	
A00040	Resin - Self-Extinguishing Laminating - Epocast 50-A1 with Epocast 9816	BMS8-201 Type III (Long work life)
A00153	Adhesive - Low Odor, Synthetic Rubber Cement	BMS5-30
B00094	Solvent - Toluene	A-A-59107
B00102	Abrasive - Aluminum Oxide Coated Cloth	
B00148	Solvent - Methyl Ethyl Ketone (MEK)	ASTM D740

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Reference	Description	Specification
B01027	Solvent - Butyl Carbitol (Dow Chemical - E-Series Glycol Ethers)	
C00063	Ink - Screen Printing, Pigmented	BMS10-73 Type I
C00368	Ink - Screen Printing, Clear	BMS10-73 Type II
D00147	Compound - Interior Surface Filling, Polyester Resin	BMS5-136
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	AMS3819 Class 1 Grade A or B Form 1 (Supersede BMS15-5 CL A)
G00270	Tape - Scotch Flatback Masking 250	ASTM D6123 (Supersedes A-A-883)
G00423	Film, Polyvinyl Fluoride	BMS8-98
G00450	Fabric, Flow Resistant Acoustic	BMS8-64
G01288	Tape - Carpet	BMS5-133
G02446	Laminate - Tedlar	BAC5596 Type XIII
G02480	Tape - Mylar, Clear, 3.5 mils, Maximum 16.5" Width - Permacel P-255	

E. Location Zones

Zone	Area
200	Upper Half of Fuselage

F. Repair Perforated Panels

SUBTASK 25-00-00-420-002

- (1) Put a routing template, with a hole diameter larger than the damaged area, over the area with damage.
- (2) Hold the template in place with carpet tape, G01288.

SUBTASK 25-00-00-010-001

- (3) Remove the damaged area with a router.
 - (a) Make sure that the depth of the router does not cause damage to the screen under the decorative layer.
 - (b) For panels with tedlar covers, put one or two layers of Permacel P-255 tape, G02480, over the damaged area and over the perforated decorative sheet.

SUBTASK 25-00-00-340-052

- (4) Remove the flow resistant fabric.

SUBTASK 25-00-00-340-053

- (5) Mix the adhesive as follows:
 - (a) Mix (by weight) 60 to 65 parts of resin, A00040, with 100 parts of Epibond 126-A/B epoxy adhesive, A00039.

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- 1) Mix (by volume) one part of the adhesive mixture with one part of solvent, B00148, and one part of solvent, B00094.

SUBTASK 25-00-00-340-054

- (6) Cut a piece of flow-resistant fabric, G00450, that is larger than the damaged area.

SUBTASK 25-00-00-340-055

- (7) Bond the flow-resistant fabric, G00450, to a piece of perforated film, G00423, with the adhesive mixture.

SUBTASK 25-00-00-340-056

- (8) Use a routing template to cut a patch from the perforated sheet you made in the previous step.

SUBTASK 25-00-00-340-057

- (9) Rub the patch with abrasive cloth, B00102, paper (240 to 400 grit) to make sure the patch fits correctly in the cutout.
- (10) Make two marks on the patch and on the adjacent surface.

NOTE: This will help you install the patch in the position that it has the best fit.

SUBTASK 25-00-00-950-002

- (11) Apply masking Scotch Flatback Masking Tape 250, G00270, to the decorative side of the patch and around the cutout area.

SUBTASK 25-00-00-110-012



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- (12) Clean the surface with a cotton wiper, G00034, that is moist with Butyl Carbitol solvent, B01027.
- (13) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-340-058

- (14) Apply a heavy layer of the mixed adhesive with a paint brush, STD-1080, on the mating surfaces of the patch and the cutout.
 - (a) Let the adhesive dry for 10 minutes.

SUBTASK 25-00-00-340-059

- (15) Remove the masking tape from the patch and panel.

SUBTASK 25-00-00-340-060

- (16) Apply the carpet tape, G01288, to the decorative side of the patch and to the area around the cutout.

NOTE: The patch marks you made must show.

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SUBTASK 25-00-00-340-061

- (17) Put the patch on a piece of transparent plexiglass which is slightly larger than the patch.
- (18) Put the flow-resistant fabric between the patch and the fiberglass screen.

SUBTASK 25-00-00-340-062

- (19) Put the patch into the cutout.
- (20) Look through the plexiglass to align the marks that you made.

SUBTASK 25-00-00-340-063

- (21) Apply pressure to the plexiglass, as necessary.
 - (a) Make sure that the patch is level with the adjacent surfaces.

SUBTASK 25-00-00-340-064

- (22) Let the patch cure for 24 hours at room temperature, or for 3 hours at 115°(46.1C) to 125° F (51.7°C).

SUBTASK 25-00-00-340-065

- (23) Put the compound, D00147, in all of the cracks that you can see.
 - (a) Let the compound, D00147, cure.

SUBTASK 25-00-00-340-066

- (24) Apply masking Scotch Flatback Masking Tape 250, G00270, to the area around the repair.

SUBTASK 25-00-00-340-067

- (25) Rub the compound, D00147, with 240 to 320 grit abrasive cloth, B00102, paper until it is smooth and level with the adjacent surfaces.

SUBTASK 25-00-00-370-015

- (26) Apply ink, C00063, or ink, C00368, of the correct color to match the adjacent area.
 - (a) Let the ink dry.

SUBTASK 25-00-00-340-068

- (27) If it is necessary, drill holes to make perforations.

NOTE: Use a piece of perforated material for a template.

G. Apply Decorative Tedlar to Acoustical (Perforated) Panels

SUBTASK 25-00-00-020-009

- (1) Remove the trim strips from the panel.

SUBTASK 25-00-00-120-004

- (2) Rub the area which you will apply the adhesive with abrasive cloth, B00102, paper until the area is not glossy.

SUBTASK 25-00-00-110-013



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- (3) Clean the area with a cotton wiper, G00034, that is moist with Butyl Carbitol solvent, B01027.

SUBTASK 25-00-00-100-002

- (4) Dry the area with a clean cotton wiper, G00034.

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SUBTASK 25-00-00-110-014



DO NOT GET SOLVENTS IN YOUR MOUTH, EYES, OR SKIN. DO NOT BREATHE FUMES FROM SOLVENTS. REFER TO PRODUCT MATERIAL SAFETY DATA SHEETS (MSDS) AND LOCAL REQUIREMENTS FOR PROPER HANDLING. SOLVENTS ARE HAZARDOUS MATERIALS AND MAY BE FLAMMABLE OR HARMFUL TO THE ENVIRONMENT.

- (5) Mix (by volume) one part adhesive, A00153, adhesive with one part solvent, B00148.

SUBTASK 25-00-00-340-069

- (6) Carefully apply the mixture to the surface with a paint brush, STD-1080.

SUBTASK 25-00-00-370-016



MAKE SURE THAT THE SURFACE IS FULLY DRY BEFORE YOU INSTALL THE TEDLAR LAMINATE. IF YOU INSTALL THE TEDLAR LAMINATE TO A WET SURFACE, YOU WILL NOT GET A SATISFACTORY BOND. DAMAGE TO EQUIPMENT CAN OCCUR.

- (7) Let the surface dry at room temperature for a minimum of 2 hours.

SUBTASK 25-00-00-210-003

- (8) Put the decorative tedlar laminate, G02446, in position.

NOTE: Use masking Scotch Flatback Masking Tape 250, G00270, to hold the decorative tedlar laminate in position. If you use perforated tedlar for the repair, align the holes in the tedlar with the holes in the panel you will cover.

- (a) Make sure that the decorative tedlar laminate has the correct color and pattern.

SUBTASK 25-00-00-880-003



BE CAREFUL WHEN YOU APPLY HEAT NEAR MATERIALS THAT CAN BURN. THE TEMPERATURE OF THE TEDLAR MUST NOT BE MORE THAN 200° F (93.3° C) OR THE TEMPERATURE AT WHICH THE TEDLAR DISTORTS, WHICHEVER IS LOWER. TOO MUCH HEAT CAN CAUSE DAMAGE TO THE TEDLAR.

- (9) Use a heat 180 deg. F (82 deg. C) maximum output temperature heat gun, STD-442, to increase the temperature of the tedlar laminate

NOTE: Make sure the temperature remains constant across the surface of the laminate. Refer to (TASK 20-10-27-910-801) for cautions to obey when you use heat guns.

SUBTASK 25-00-00-340-070

- (10) Use a vacuum generator, SPL-1474, to make sure the laminate touches all of the panel:
- (a) Use the maximum vacuum possible that will not cause damage to the panel.
 - (b) Cure the laminate for 24 hours at room temperature, for 2 hours at 120° F (48.9°C), or for 30 minutes at 180° F (82.2°C).
 - (c) Let the part cool to 90° F (32.2°C) before you remove the vacuum pressure.

————— END OF TASK —————

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TASK 25-00-00-340-801

8. Repair for Polycarbonate (Lexan), Ultem, and Declar Plastics

A. General

- (1) The following data gives instructions to repair cracks and gouges in decorative and non-decorative plastics.
- (2) Make sure that the repaired area does not exceed 25% of the surface area and is smaller than 100 in² (645 cm²). If the area is larger than 100 in² (645 cm²) the part must be replaced.

B. References

Reference	Title
25-00-00-100-801	Equipment/Furnishings - Cleaning (P/B 701)
25-00-00-370-801	Equipment/Furnishings - Painting (P/B 701)

C. Consumable Materials

Reference	Description	Specification
A00028	Adhesive - Modified Epoxy For Rigid PVC, Foam Cored Sandwiches	BAC5010 Type 70 (BMS5-92 Type 1)
A00112	Hardener - Adhesive - Hysol 3561	
A50005	Resin - Adhesive, Flame-Out Casting - Hysol EE1067 (use until stock depleted)	
A50186	Adhesive - For Bonding Decorative Laminates to Interior Parts and Core Splicing for Exterior Parts	BMS5-127 Type I
A50541	Tape - Cargo Lining Joint Seal	BMS5-146 Type II Class 2 Grade A
A50561	Resin - Adhesive, Loctite EA 9365FST AERO	
B00102	Abrasive - Aluminum Oxide Coated Cloth	
C00040	Coating - Interior Decorative Urethane Topcoat, Semigloss	BMS10-83 Type II
C00302	Coating - Interior Decorative Water Emulsion Paint	BMS10-55 Type I
G50172	Fabric - Woven Glass Reinforcements for Laminating Plastics, Style 181	BMS9-3 Type H
G50173	Fabric - Glass Fabric Reinforcements For Laminated Plastics Products	BMS9-3 Type H-3 Style 7781
G50593	Fabric - Woven Glass Reinforcements For Laminating Plastics	BMS9-3 Type H-2 Class 7

D. Location Zones

Zone	Area
200	Upper Half of Fuselage

E. Repair the Cracked Areas

SUBTASK 25-00-00-340-071

- (1) Drill a 1/16 in. (2 mm) diameter hole at each end of the crack.

SUBTASK 25-00-00-340-086

- (2) Clean the parts (TASK 25-00-00-100-801).
 - (a) Thoroughly sand with abrasive cloth, B00102 (80 to 100 grit), the surface to be reinforced and remove all gloss.

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- (b) Reclean the surface (TASK 25-00-00-100-801).

SUBTASK 25-00-00-340-075



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- (3) Use one of the two methods described below to accomplish the reinforcement.

NOTE: For decorative surfaces, pigments in accordance with BAC5568 Section 5.1.e may be added to the reinforcement resin to match the surrounding surface.

- (a) Method 1:

- 1) Mix one of these mixtures per the manufacturer's instructions:

- Hysol EE1067 resin, A50005, with Hysol 3561 hardener, A00112, mixture or Loctite EA 9365FST AERO resin, A50561.

NOTE: If using Loctite EA 9365FST AERO resin, A50561, gel time the usable work life of the mixed resin at room temperature is five hours. It is permissible to accelerate the gel time by exposing the reinforced part to no higher than 120°F (49°C) for a minimum of 135 minutes. If accelerated gel time is not used, then the part must sit undisturbed for a minimum of 24 hours before handling or additional operations are performed.

- 2) Fill the crack with the repair resin.
3) Let the repair resin cure until it is hard.

NOTE: If using Hysol EE1067 resin, A50005, with Hysol 3561 hardener, A00112, resin must be allowed to cure for a minimum of 24 hours at ambient temperature greater than 67°F (19°C). Alternatively, polyetherketone ketone (Declar) materials may be allowed to cure for a minimum of 3 hours at 140°F (60°C) to 160°F (71°C).

NOTE: If using Loctite EA 9365FST AERO resin, A50561, the resin must be allowed to cure for a minimum of 7 days at ambient temperature greater than 67°F (19°C).

- 4) Apply one of these materials fabric, G50172, fabric, G50173, or fabric, G50593, that is soaked with the repair resin to make the repair stronger.

- a) If it is necessary to repair a decorative part, put the fabric on the side that is not decorative.

NOTE: The glass fabric layers must be at least as thick as the part where the crack was.

- b) Make the glass fabric 0.5 in. (12.7 mm) smaller around the edge for each layer that is applied.

NOTE: If the crack is at or near an edge, it is not necessary to make each layer smaller.

- 5) Remove all the unwanted resin.
6) Rub the area with abrasive cloth, B00102, until the repair is smooth.
7) Apply the emulsion coating, C00302, to the area.

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- a) If it is necessary to paint the part out of the airplane, use coating, C00040, (TASK 25-00-00-370-801).
 - (b) Method 2:
 - 1) Fill the crack with adhesive, A50186, or adhesive, A00028.
 - a) Mix and cure per manufacturers instructions.
 - 2) After the adhesive is cured, cover the crack with fiberglass tape, A50541.
 - a) Apply one or more layers of fiberglass tape necessary to achieve minimum thickness requirement as defined on the applicable engineering drawing.
- NOTE: Application of tape must include sufficient force to ensure intimate contact between part and tape, but must not be so high as to risk cracking or breaking the part. Tape will reach full adhesion at 24 hours after application. Parts may be handled immediately after tape application.
- NOTE: Tape must not be applied in environments where the ambient temperature is below 50°F (10°C). Do not apply solvents to the tape, or abrade fiberglass tape in between application layers. No solvents or solvent based materials may be applied immediately next to the tape until 24 hours after tape application.

F. Repair the Gouged Areas

SUBTASK 25-00-00-340-083

- (1) If there is not a dent around the gouge, make the gouge smooth with abrasive cloth, B00102.

SUBTASK 25-00-00-340-084

- (2) If the appearance is not satisfactory after it is smooth, fill the gouge with adhesive, A50186, or adhesive, A00028.
 - (a) Mix and cure per manufacturers instructions.
 - (b) Do the steps above to repair the cracked areas.

SUBTASK 25-00-00-340-085

- (3) If the surface has dents, remove the area with dents and do the repair for cracked areas.

————— END OF TASK —————

TASK 25-00-00-350-801

9. Repair Urethane Foam

A. General

- (1) The task gives instructions on how to repair the urethane foam material with these alternatives:
 - (a) Repair the foam with a plug
 - (b) Repair the foam with an adhesive resin.

B. Tools/Equipment

Reference	Description
STD-821	Squeegee - Plastic

C. Consumable Materials

Reference	Description	Specification
A00188	Adhesive - Urethane, Two Component	BMS5-105 Type V

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Reference	Description	Specification
A01021	Compound - Honeycomb Edge Filling & Potting, Epoxy Based, 2 Part, RT Cure (12-25 Min Gel)	BMS5-28 Type 18
D00091	Oil - General Purpose, Low Temperature, Lubricating	MIL-PRF-7870 (NATO O-142)
G00111	Sheet - Mylar	
G01288	Tape - Carpet	BMS5-133

D. Location Zones

Zone	Area
200	Upper Half of Fuselage

E. Repair the Foam with a Plug

SUBTASK 25-00-00-350-013

- (1) Remove the damage with a cork bore or an equivalent tool.

NOTE: The tool size must be equal to the size of the damaged area, or up to ½ in. (12.7 mm) larger in diameter.

SUBTASK 25-00-00-350-014

- (2) Use the same tool to cut a repair plug from foam to fit in damaged area.

SUBTASK 25-00-00-350-015

- (3) Apply a layer of adhesive, A00188, to each surface of the repair plug and damaged area.

SUBTASK 25-00-00-350-016

- (4) Let adhesive, A00188, dry until tacky.

NOTE: Do not stress the adhesive bond for 24 hours.

SUBTASK 25-00-00-420-003

- (5) Push the repair plug into the damaged area with hand pressure.

F. Repair the Foam with an Adhesive Resin

SUBTASK 25-00-00-350-017

- (1) Remove the damage with a cork bore or equivalent tool.

NOTE: The tool size must be equal to the size of the damaged area, or up to ½ in. (12.7 mm) larger in diameter.

SUBTASK 25-00-00-350-018

- (2) Use the manufacturers instructions to mix potting compound, A01021.

SUBTASK 25-00-00-350-019

- (3) Fill the area fully with potting compound, A01021.

SUBTASK 25-00-00-350-020

- (4) Put a sheet of mylar sheet, G00111, over potting compound, A01021.

NOTE: Potting compound, A01021, must go 2 in. (50.8 mm) beyond the edge of the filled area all around.

SUBTASK 25-00-00-350-021

- (5) Put a small portion of the oil, D00091, on the top surface of mylar sheet, G00111.

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SUBTASK 25-00-00-350-022

- (6) Start at the center of the repair and rub potting compound, A01021, with a plastic squeegee, STD-821, until you get the shape necessary.

SUBTASK 25-00-00-350-023

- (7) Apply carpet tape, G01288, to hold mylar sheet, G00111, in position.

SUBTASK 25-00-00-350-024

- (8) Let potting compound, A01021, cure for 1 hour at room temperature and then 5 hours at 115°F (46°C).

SUBTASK 25-00-00-350-025

- (9) Carefully remove mylar sheet, G00111, after potting compound, A01021, is cured.

END OF TASK

TASK 25-00-00-350-802

10. Repair Aluminum Trim

A. General

- (1) This procedure gives instructions to repair aluminum trim.

B. References

Reference	Title
20-10-27-910-801	Precautions for Heat Devices (P/B 201)

C. Tools/Equipment

Reference	Description
STD-6554	Gun - Heat

D. Consumable Materials

Reference	Description	Specification
A00028	Adhesive - Modified Epoxy For Rigid PVC, Foam Cored Sandwiches	BAC5010 Type 70 (BMS5-92 Type 1)
A00279	Adhesive - Fast-Setting Epoxy	BMS5-123 or BAC5010 Type 71
D00147	Compound - Interior Surface Filling, Polyester Resin	BMS5-136
G00270	Tape - Scotch Flatback Masking 250	ASTM D6123 (Supersedes A-A-883)
G01601	Abrasive - Aluminum Oxide Coated Cloth, 400 to 600 grit	

E. Location Zones

Zone	Area
200	Upper Half of Fuselage

F. Repair aluminum trim

SUBTASK 25-00-00-350-026

- (1) Remove any fasteners from the aluminum trim if they are installed.

SUBTASK 25-00-00-020-010

- (2) Remove the aluminum trim from the panel.
 - (a) If the trim is bonded, use a heat gun, STD-6554 to help remove the trim, (TASK 20-10-27-910-801).

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- 1) Apply heat while pulling trim away from the panel.
- 2) Remove the trim progressively from one end to the other.

SUBTASK 25-00-00-840-001

- (3) Restore the trim to it's original straightness and contour.

NOTE: Use metal working techniques to remove dents and straighten the trim as much as possible.

SUBTASK 25-00-00-410-001

- (4) Put the trim onto the panel and reattach any fasteners.
 - (a) If the trim is applied with fasteners and adhesive, apply epoxy adhesive to the edge of the panel and quickly reattach the trim with the fasteners.
 - (b) If the trim is applied with adhesive only, apply an epoxy adhesive to the edge of the panel and quickly position the trim.

NOTE: adhesive, A00279 has a very short working life. If more time is required for the repair, use an adhesive such as adhesive, A00028.
 - (c) Use Scotch Flatback Masking Tape 250, G00270 to hold the trim in the correct position until the adhesive is fully cured.

SUBTASK 25-00-00-300-004

- (5) Fill any dents, gouges, or imperfections with compound, D00147 to make a crown above the adjacent area.
 - (a) After the compound, D00147 is hard, rub it with 400 to 600 grit abrasive cloth, G01601 to the same level as the surface of the panel.

SUBTASK 25-00-00-370-017

- (6) Apply aluminum spray paint to the repaired area. Any commercially available spray paint is acceptable.

———— **END OF TASK** ————

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EQUIPMENT/FURNISHINGS - DDG MAINTENANCE PROCEDURES

1. **General**

- A. This procedure has maintenance tasks for the Master Minimum Equipment List (MMEL) maintenance requirements as shown in the Dispatch Deviations Guide (DDG). These tasks are used to prepare the airplane for flight with certain systems/components inoperative.
- B. This procedure also has the tasks that put the airplane back to its usual condition.
- C. These are the tasks for the equipment/furnishings components:
 - (1) DDG 25-11-01 Flight Crew Seats Inoperative - Preparation
 - (2) DDG 25-11-01 Flight Crew Seats Inoperative - Restoration

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- (3) DDG 25-22-01 Passenger Seats Inoperative - Preparation
- (4) DDG 25-22-01 Passenger Seats Inoperative - Restoration

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- (5) DDG 25-25-01 Flight Attendant Seat Assembly Inoperative - Preparation
- (6) DDG 25-25-01 Flight Attendant Seat Assembly Inoperative - Restoration
- (7) DDG 25-28-01 Storage Bins/Cabin, Galley and Lavatory Storage Compartments/Closets Inoperative - Preparation
- (8) DDG 25-28-01 Storage Bins/Cabin, Galley and Lavatory Storage Compartments/Closets Inoperative - Restoration
- (9) DDG 25-31-01 Galley/Cabin Waste Receptacles Access Doors/Covers Inoperative - Preparation
- (10) DDG 25-31-01 Galley/Cabin Waste Receptacles Access Doors/Covers Inoperative- Restoration
- (11) DDG 25-40-02 Lavatory Waste Container Flapper/Access Doors Inoperative - Preparation
- (12) DDG 25-40-02 Lavatory Waste Container Flapper/Access Doors Inoperative - Restoration

TASK 25-00-00-040-804

2. **DDG 25-11-01 Flight Crew Seats Inoperative - Preparation**

A. General

- (1) This task gives the maintenance steps which prepare the airplane for flight when a Flight Crew Seat is inoperative.

B. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

C. Flight Crew Seat Recline Mechanism Deactivation

SUBTASK 25-00-00-040-015

- (1) Secure the seat in an acceptable position for the affected crew member.
 - (a) Make sure that full travel of the seat on its track is not impaired.

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SUBTASK 25-00-00-040-007

- (2) Tell the flight crew of the inoperative recline mechanism.

NOTE: The seat must be satisfactory for the affected crew member.

D. Flight Crew Seat Vertical Adjustment Deactivation

SUBTASK 25-00-00-040-016

- (1) Secure the seat in an acceptable position for the affected crew member.

SUBTASK 25-00-00-040-008

- (2) Do one or both of these steps if it is necessary:
 - (a) Disconnect the vertical adjustment cable to put the seat in a fixed vertical position.
 - (b) Disconnect the vertical adjustment pushrod mechanism to put the seat in a fixed vertical position.

SUBTASK 25-00-00-040-009

- (3) Tell the flight crew of the inoperative vertical adjustment.

NOTE: The seat must be satisfactory for the affected crew member.

E. Flight Crew Seat Armrests Deactivation

SUBTASK 25-00-00-040-010

- (1) Remove the armrest or safety the armrest in an upright position.

SUBTASK 25-00-00-040-011

- (2) Tell the flight crew of the inoperative armrest.

NOTE: The seat must be satisfactory for the affected crew member.

————— END OF TASK —————

TASK 25-00-00-440-804

3. DDG 25-11-01 Flight Crew Seats Inoperative - Restoration

A. General

- (1) This task puts the airplane back to its usual condition after operation with a Flight Crew Seat inoperative.

B. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

C. Flight Crew Seat Vertical Adjustment Reactivation

SUBTASK 25-00-00-420-006

- (1) Do one or both of these steps if necessary:
 - (a) Connect the vertical adjustment cable if disconnected during deactivation.
 - (b) Connect the vertical adjustment pushrod mechanism if disconnected during deactivation.

D. Flight Crew Seat Armrest Reactivation

SUBTASK 25-00-00-440-005

- (1) If necessary, install the armrest.

————— END OF TASK —————

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TASK 25-00-00-040-805

4. DDG 25-22-01 Passenger Seats Inoperative - Preparation

A. General

- (1) This task gives the maintenance steps which prepare the airplane for flight when a Passenger Seat is inoperative.

B. References

Reference	Title
25-22-00-000-801	Passenger Seat Removal (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Passenger Seat Recline Mechanism Deactivation

SUBTASK 25-00-00-040-017

- (1) Do these steps for an inoperative passenger seat in the upright position:
- (a) Safety the seat in the upright position.
- NOTE: Refer to the seat manufacturer's specifications to safety the seat in the upright position.
- NOTE: The seat may be used during flight if the seat belts operate correctly.

SUBTASK 25-00-00-040-018

- (2) Do these steps for an inoperative passenger seat in the reclined position:
- (a) Make sure that the inoperative passenger seat does not cause a blockage to the aisle or the emergency exit.
- 1) If the inoperative seat does cause a blockage to an emergency exit, remove the inoperative seat (TASK 25-22-00-000-801).
- 2) If the inoperative seat does cause a blockage to the aisle, safety the row of seats aft of the inoperative passenger seat.

SUBTASK 25-00-00-040-019

- (3) Tell the flight crew of any seats with inoperative recline mechanisms.

E. Passenger Seat Armrest Deactivation

SUBTASK 25-00-00-040-005

- (1) If possible, safety the seat in the upright position.
- NOTE: Refer to the seat manufacturer's specifications to safety the seat in the upright position.

SUBTASK 25-00-00-040-020

- (2) Make sure that the arm rest does not cause a blockage to the aisle or the emergency exit.
- (a) If the armrest does cause a blockage, remove the passenger seat (TASK 25-22-00-000-801).

SUBTASK 25-00-00-040-021

- (3) Tell the flight crew of any seats with inoperative armrests.

———— **END OF TASK** ————

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SIA 001-014 (Continued)

TASK 25-00-00-440-805

5. DDG 25-22-01 Passenger Seats Inoperative - Restoration

A. General

- (1) This task puts the airplane back to its usual condition after operation with a Passenger Seat inoperative.

B. References

Reference	Title
25-22-00-400-801	Passenger Seat Installation (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Passenger Seat Reactivation

SUBTASK 25-00-00-410-002

- (1) If necessary, install the passenger seat (TASK 25-22-00-400-801).

SUBTASK 25-00-00-020-012

- (2) If necessary, remove the safety for the row with the inoperative passenger seat.

SIA ALL

————— **END OF TASK** —————

TASK 25-00-00-040-806

6. DDG 25-25-01 Flight Attendant Seat Assembly Inoperative - Preparation

A. General

- (1) This task gives the maintenance steps which prepare the airplane for flight when a Flight Attendant Seat Assembly is inoperative.

B. References

Reference	Title
25-25-12-000-801	Cabin Attendant Seat Removal (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Flight Attendant Seat Assembly Deactivation

SUBTASK 25-00-00-040-001

- (1) Secure the seat in the stowed position.
- (a) If the flight attendant seat will not stay closed, remove the inoperative seat (TASK 25-25-12-000-801).

SUBTASK 25-00-00-040-003

- (2) Notify the cabin crew of the inoperative flight attendant seat.

————— **END OF TASK** —————

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TASK 25-00-00-440-806

7. DDG 25-25-01 Flight Attendant Seat Assembly Inoperative - Restoration

A. General

- (1) This task puts the airplane back to its usual condition after operation with a Flight Attendants Seat inoperative.

B. References

Reference	Title
25-25-12-400-801	Cabin Attendant Seat Installation (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Flight Attendant Seat Assembly Reactivation

SUBTASK 25-00-00-410-003

- (1) If necessary, install the flight attendants seat (TASK 25-25-12-400-801).

————— END OF TASK —————

TASK 25-00-00-040-807

8. DDG 25-28-01 Storage Bins/Cabin, Galley and Lavatory Storage Compartments/Closets Inoperative - Preparation

A. General

- (1) This task gives the maintenance steps which prepare the airplane for flight when a Storage Bin/Cabin, or Galley and Lavatory Storage Compartment/Closet is inoperative.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Compartment/Closet Deactivation

SUBTASK 25-00-00-040-024

- (1) To secure the compartment door closed, do these steps:
- (a) Install an INOP or DO NOT USE placard on the associated bin or compartment.
- 1) Do not use for storage of any item, except those permanently affixed.
- NOTE: If no partitions are installed, the entire overhead storage compartment is considered one bin or compartment.

SUBTASK 25-00-00-040-014

- (2) To remove the affected compartment door, do these steps:
- (a) Install an INOP or DO NOT USE placard on the associated bin or compartment.
- 1) Do not use for storage of any item, except those permanently affixed.
- NOTE: If no partitions are installed, the entire overhead storage compartment is considered one bin or compartment.
- NOTE: Any emergency equipment located in the associated compartment (permanently affixed) is available for use.

————— END OF TASK —————

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SIA ALL

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TASK 25-00-00-440-807

9. DDG 25-28-01 Storage Bins/Cabin, Galley and Lavatory Storage Compartments/Closets Inoperative - Restoration

A. General

- (1) This task puts the airplane back to its usual condition after operation with a Storage Bin/Cabin, or Galley and Lavatory Storage Compartment/Closet inoperative.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-00-00-020-013

- (1) If the bin or compartment was secured closed, remove any restrictions and return it to its previous configuration.

SUBTASK 25-00-00-410-004

- (2) If necessary, install the bin or compartment.

SUBTASK 25-00-00-020-014

- (3) If necessary, remove any INOP or DO NOT USE placards.

————— **END OF TASK** —————

TASK 25-00-00-040-808

10. DDG 25-31-01 Galley/Cabin Waste Receptacles Access Doors/Covers Inoperative - Preparation

A. General

- (1) This task gives the maintenance steps which prepare the airplane for flight when a Galley/Cabin Waste Receptacle Access Door/Cover is inoperative.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Galley/Cabin Waste Receptacle Access Door/Cover Deactivation

SUBTASK 25-00-00-210-004

- (1) Verify that the associated waste container is empty.

SUBTASK 25-00-00-040-013

- (2) Safety the galley/cabin waste receptacle access door/cover to prevent waste from being deposited into the container.

————— **END OF TASK** —————

TASK 25-00-00-440-808

11. DDG 25-31-01 Galley/Cabin Waste Receptacles Access Doors/Covers Inoperative - Restoration

A. General

- (1) This task puts the airplane back to its usual condition after operation with a Galley/Cabin Waste Receptacle Access Door/Cover inoperative.

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B. Location Zones

Zone	Area

200	Upper Half of Fuselage

C. Galley/Cabin Waste Receptacles Access Door/Cover Reactivation

SUBTASK 25-00-00-020-015

- (1) Restore the deactivated galley/cabin waste receptacle access door/cover.

————— END OF TASK —————

TASK 25-00-00-040-809

12. DDG 25-40-02 Lavatory Waste Container Flapper/Access Doors Inoperative - Preparation

A. General

- (1) This task gives the maintenance steps which prepare the airplane for flight when a Lavatory Waste Container Flapper/Access Door is inoperative.

B. Location Zones

Zone	Area

200	Upper Half of Fuselage

C. Lavatory Waste Container Flapper/Access Door Deactivation

SUBTASK 25-00-00-170-003

- (1) Empty the associated lavatory waste receptacle.

SUBTASK 25-00-00-040-022

- (2) Safety and secure the flapper/access door closed in a manner that will prevent waste from being deposited into the receptacle.

SUBTASK 25-00-00-040-023

- (3) Close and lock the associated lavatory door.

————— END OF TASK —————

TASK 25-00-00-440-809

13. DDG 25-40-02 Lavatory Waste Container Flapper/Access Doors Inoperative - Restoration

A. General

- (1) This task puts the airplane back to its usual condition after operation with a Lavatory Waste Container Flapper/Access Door inoperative

B. Location Zones

Zone	Area

200	Upper Half of Fuselage

C. Lavatory Waste Container Flapper/Access Door Reactivation

SUBTASK 25-00-00-440-004

- (1) Unlock the associated lavatory door.

SUBTASK 25-00-00-020-016

- (2) Restore the deactivated lavatory waste container flapper/access cover.

————— END OF TASK —————

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FLIGHT COMPARTMENT SEATS - MAINTENANCE PRACTICES

1. **General**

A. This procedure has these tasks:

- (1) Captain, First Officer, and Observer Seat Harness Detailed Inspection
- (2) Captain and First Officer Seat Harness and Inertia Reel Operational Check

TASK 25-11-00-200-801

2. **Captain, First Officer, and Observer Seat Harness Detailed Visual Inspection**

NOTE: This procedure is a scheduled maintenance task.

A. **Location Zones**

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

B. **Procedure**

SUBTASK 25-11-00-210-001

- (1) Do a detailed visual inspection of the restraint harness straps.
 - (a) Make sure that the straps are not damaged.
 - 1) Look for loose stitching, cuts, tears, fraying, and discoloration.

SUBTASK 25-11-00-210-002

- (2) Do a detailed visual inspection of the restraint harness fittings.
 - (a) Make sure that the fittings are not bent, loose, or corroded.

SUBTASK 25-11-00-210-003

- (3) Do a detailed visual inspection of the restraint harness securing hardware.
 - (a) Make sure that the securing hardware is not bent, loose, or corroded.

————— **END OF TASK** —————

TASK 25-11-00-200-802

3. **Captain, First Officer, and Observer Seat Harness and Inertia Reel Operational Check**

NOTE: This procedure is a scheduled maintenance task.

A. **Location Zones**

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

B. **Procedure**

SUBTASK 25-11-00-200-001

- (1) Do the steps that follow to test the restraint harness and inertia reel:
 - (a) Make sure the harness reel lock control is in the unlocked position.
 - (b) Quickly pull one shoulder strap in the forward direction.
 - 1) Make sure the inertia reel locks.
 - 2) Make sure the strap does not extend.
 - (c) Release the pressure on the strap.

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- 1) Make sure the inertia reel releases the strap.
- (d) Quickly pull the other shoulder strap in the forward direction.
NOTE: Steps to check the second shoulder strap inertia reel and harness reel lock are only applicable to the captain and first officer seats.
 - 1) Make sure the inertia reel locks.
 - 2) Make sure the strap does not extend.
- (e) Release the pressure on the strap.
 - 1) Make sure the inertia reel releases the strap.
- (f) Pull one of the shoulder straps slowly out of the seat back as far as possible.
- (g) Move the harness reel lock control to the locked position.
- (h) Release the shoulder strap until it retracts approximately two inches at a time, until it is fully retracted.
 - 1) At each stage, pull on the shoulder to make sure the strap locks.
- (i) Move the harness reel lock control to the unlocked position.
- (j) Pull the other shoulder strap slowly out of the seat back as far as possible.
- (k) Move the harness reel lock control to the locked position.
- (l) Release the shoulder strap until it retracts approximately two inches at a time until it is fully retracted.
 - 1) At each stage, pull on the shoulder strap to make sure the strap locks.
- (m) Put the harness reel lock control in the unlocked position.

———— **END OF TASK** ————

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CAPTAIN AND FIRST OFFICER SEAT - REMOVAL/INSTALLATION

1. General

- A. This procedure has these tasks:
- (1) A removal of the captain and first officer seat
 - (2) An installation of the captain and first officer seat.

TASK 25-11-01-000-801

2. Captain and First Officer Seat Removal

(Figure 401)

A. **Location Zones**

Zone	Area

211	Flight Compartment - Left
212	Flight Compartment - Right

B. **Captain and First Officer Seat Removal**

SUBTASK 25-11-01-010-001

- (1) Move the seat [1] to its fully aft and outboard position.
 - (a) Pull up on the horizontal control handle [2] to move the seat [1].

SUBTASK 25-11-01-030-001

- (2) Do these steps to remove the stops [9] from the front of the seat tracks:
 - (a) Remove the bolt [8], washers [7], and nut [6].
 - (b) Remove the stops [9].

SUBTASK 25-11-01-020-001

- (3) Move the seat [1] forward until the rollers are free from the seat tracks.

SUBTASK 25-11-01-020-002

- (4) Lift the seat [1] and remove it from the airplane.

———— **END OF TASK** ————

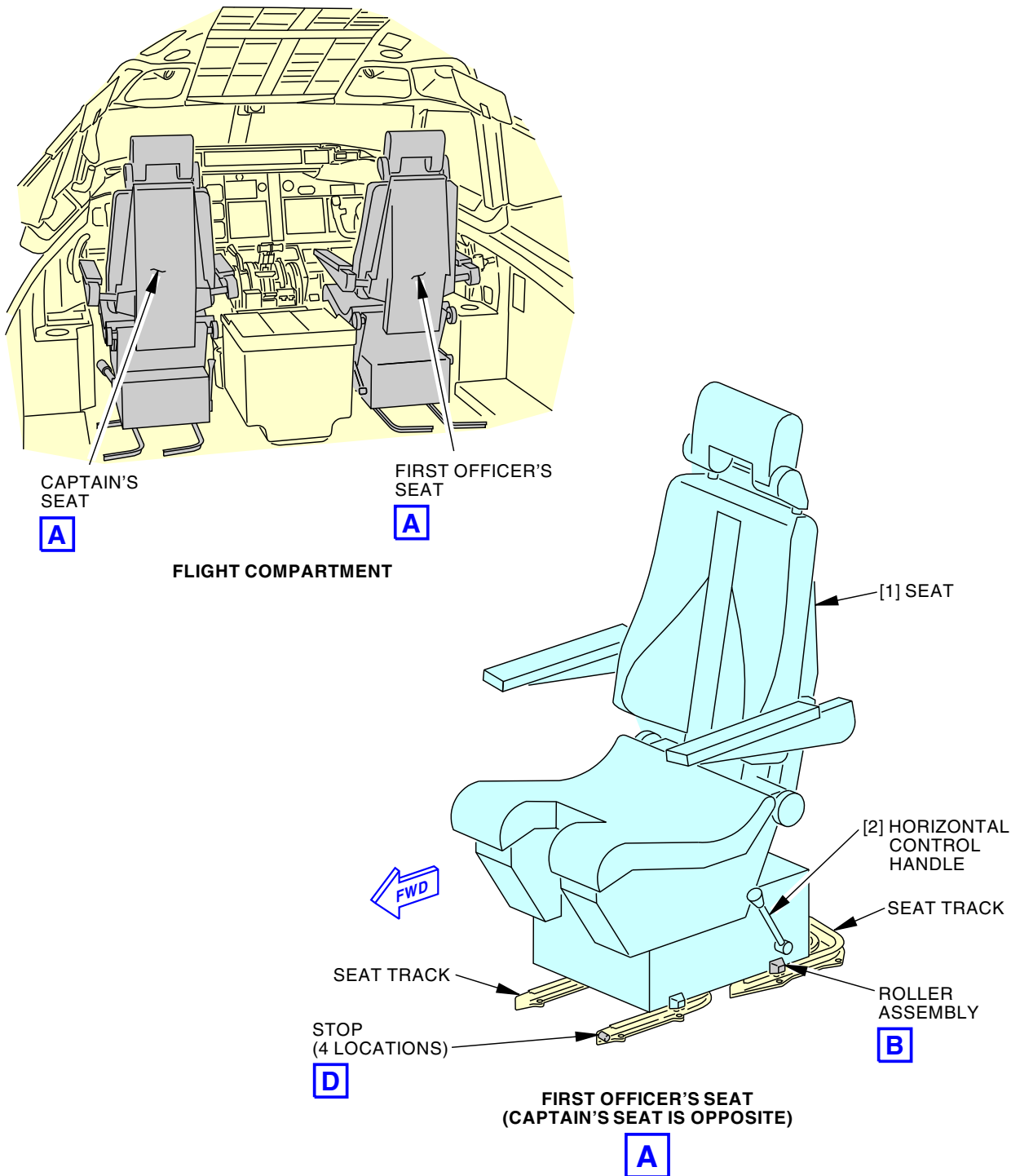
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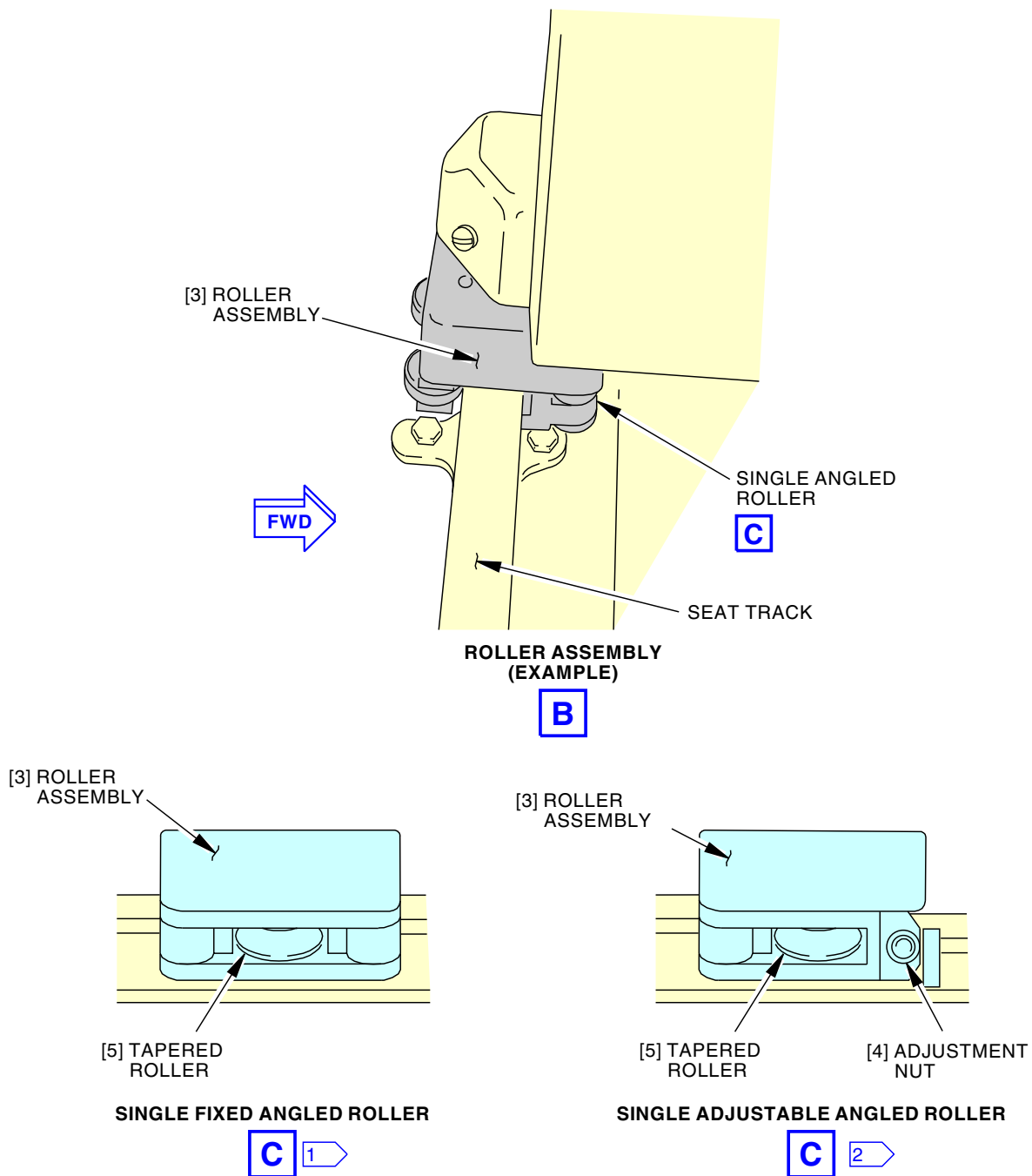
Captain's and First Officer's Seat Installation
Figure 401/25-11-01-990-804 (Sheet 1 of 3)

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- 1 AIRPLANES WITH FIXED ROLLER
- 2 AIRPLANES WITH ADJUSTABLE ROLLER

2411818 S00061529182_V1

Captain's and First Officer's Seat Installation
Figure 401/25-11-01-990-804 (Sheet 2 of 3)

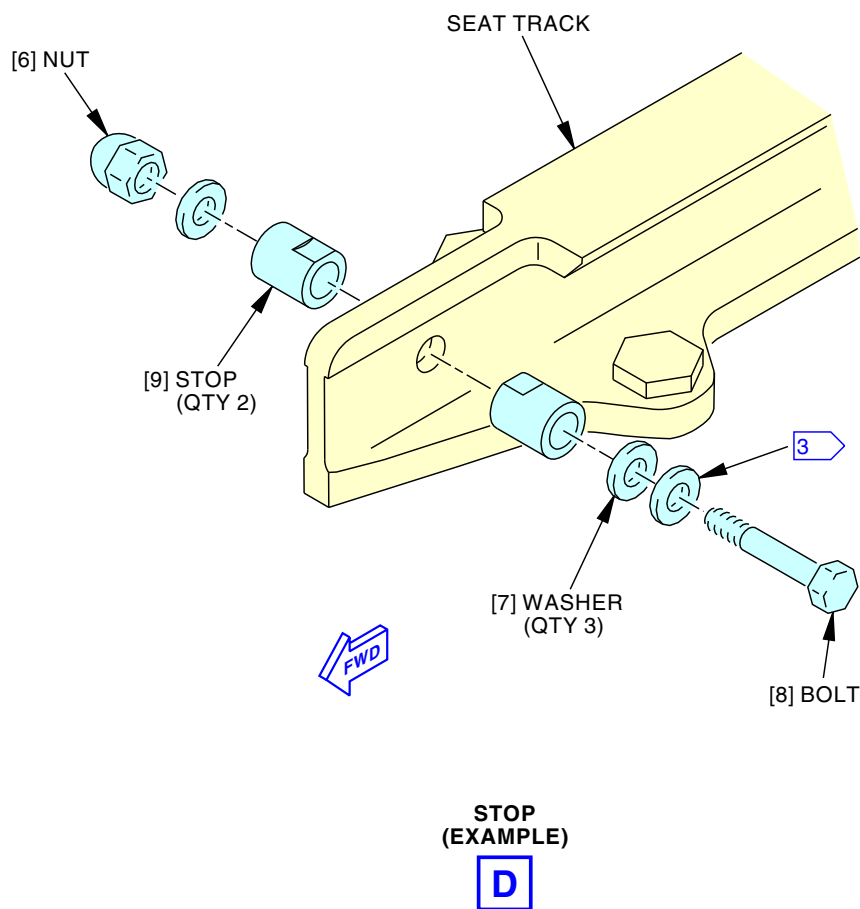
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3 OPTIONAL WASHER

2411819 S00061529183_V2

Captain's and First Officer's Seat Installation
Figure 401/25-11-01-990-804 (Sheet 3 of 3)

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TASK 25-11-01-400-801

3. Captain and First Officer Seat Installation

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
D00633	Grease - Aircraft General Purpose	BMS3-33

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Seat	25-11-01-01-005	SIA ALL
		25-11-01-01-010	SIA ALL

C. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Captain and First Officer Seat Installation

SUBTASK 25-11-01-640-001

- (1) Apply a light layer of grease, D00633, to the upper surfaces of the aft seat track and the pinning holes.

SUBTASK 25-11-01-410-001

- (2) Put the seat [1] immediately forward of the seat tracks.

SUBTASK 25-11-01-420-001

- (3) Align the roller assemblies [3] with the seat tracks.

NOTE: The single tapered roller must be on the inboard side of the track.

SUBTASK 25-11-01-430-001

- (4) Engage the front and rear roller assemblies [3] with the seat tracks.

SUBTASK 25-11-01-430-002

- (5) Move the seat [1] aft and release the control handle.

SUBTASK 25-11-01-430-003

- (6) Pull horizontal control handle [2] up and aft to lift lock pins.

NOTE: Handle is located on the inboard aft side of seat.

SUBTASK 25-11-01-430-004

- (7) Do these steps to install the stops [9] on the seat tracks:

- (a) Install the bolt [8], washers [7], stops [9], and nut [6] on each inboard seat track stop location (View D, Figure 401).

NOTE: The bolts must be installed with the bolt head oriented inboard.

- 1) If it is necessary, install an optional washer so that the upper surfaces of the aft tracks are co-planar within 0.015 in. (0.4 mm) after bolt installation.

- (b) Tighten the bolts [8] on the seat tracks to 25 in-lb (3 N·m) - 35 in-lb (4 N·m).

SUBTASK 25-11-01-700-001

- (8) If it is installed, tighten the adjustment nut [4] of the tapered rollers [5] so that the roller lightly touches the inboard rail.

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SUBTASK 25-11-01-710-001

- (9) Do the operational check for the movement of the seat [1].
- (a) While you are on the seat [1], operate the horizontal control handle [2] and move the seat [1] forward and aft through its full range of the travel.
 - (b) Make sure that the seat [1] moves freely forward and aft along the seat tracks through its full range of movement.
 - (c) Operate the seat [1] and release the control lever.
 - (d) Make sure that the seat [1] locks in position.

SUBTASK 25-11-01-400-001



WARNING

MAKE SURE THAT THE LOCK PIN FULLY ENGAGES AT EACH POSITION FOR SEAT TRACK LOCKS. UNLOCKED SEATS CAN MOVE AND CAUSE INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT.

- (10) Make sure that the seat track lock pin is fully engaged in all seat track positions.
- (a) Make sure that the seat track lock pin fully engages in all seat track lock positions.
NOTE: Positions are engaged from the farthest forward position to the farthest aft position on the straight section of the seat tracks.
 - (b) Make sure that the seat track lock positions are engaged in the parked position.

———— **END OF TASK** ————

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AIRCRAFT MAINTENANCE MANUAL

CAPTAIN AND FIRST OFFICER SEAT - INSPECTION/CHECK

1. General

A. This procedure contains this task:

- (1) Captain and First Officer Seat Track and Locking Mechanism Detailed Visual Inspection.

NOTE: The detailed visual inspection is applicable to the inner and outer seat track for the captain and first officer seats.

TASK 25-11-01-200-801

2. Captain or First Officer Seat Track and Locking Mechanism - Detailed Visual Inspection

(Figure 601, Figure 602)

NOTE: This procedure is a scheduled maintenance task.

A. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
SPL-1638	Gauge - Inspection, Seat Track, Flight Crew Seats (A25020-5 part of A25020-8) Part #: A25020-8 Supplier: 81205 Opt Part #: A25020-4 Supplier: 81205

B. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

C. Captain or First Officer Seat Track and Locking Mechanism Detailed Visual Inspection

SUBTASK 25-11-01-210-001

- (1) Do a detailed visual inspection to make sure that the captain's or first officer's seat tracks are fully attached to the floor:
- (a) Use the horizontal control lever to move the seat forward and aft to examine all of the track.
- (b) Try to move the seat tracks to make sure that they are securely attached.
- 1) If loose bolts are found on the seat tracks, tighten them.
- (c) Do a detailed visual inspection for cracks and corrosion on the seat tracks.

SUBTASK 25-11-01-210-002

- (2) Do these steps to inspect the seat tracks for wear:
- (a) There are two conditions during which the seat track can become worn:
- 1) Condition 1:
- a) The lock pin rubs on the surface of the seat track while the seat is adjusted.
- 2) Condition 2:
- a) The lock hole becomes larger when the locking pin hits the edge of the lock hole too many times when the seat is adjusted.
- (b) The seat track is in good condition when:

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- 1) The maximum depth of a groove on the surface of the seat track is not more than 0.065 in. (1.651 mm) for Condition 1.
- 2) The lock hole is 0.30 in. (7.62 mm) or less in diameter at a depth of 0.1 in. (2.54 mm) for the Condition 2.

SUBTASK 25-11-01-210-003

- (3) Do these steps to do a check of the surface of the seat track:
 - (a) Put the point of the inspection gauge, SPL-1638, in a groove that is on the surface of the seat track.
 - (b) If the protrusion touches the surface of the seat track, replace the seat track.

SUBTASK 25-11-01-210-004

- (4) Do these steps to do a check of the lock hole:
 - (a) Put the protrusion of the inspection gauge, SPL-1638, in the lock hole.
 - (b) If the bottom of the inspection gage touches the surface of the seat track, replace the seat track.

SUBTASK 25-11-01-210-005

- (5) Do a detailed visual inspection to make sure that the seat track lock pins are fully engaged at all seat track lock positions.
 - (a) Use the horizontal control lever to move the seat forward and aft to examine lock pin engagement in all track lock holes.
 - (b) Make sure that the seat track lock pins are fully engaged in all seat track lock positions.

———— **END OF TASK** ————

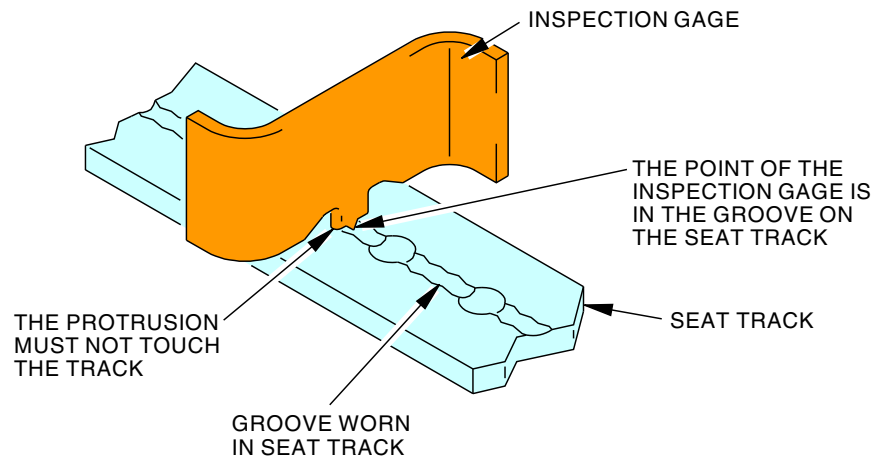
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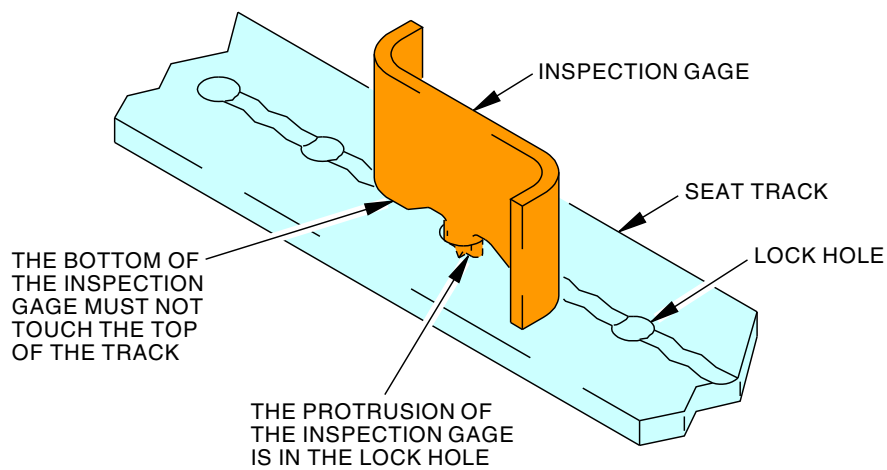
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INSPECTION ON THE SURFACE OF THE SEAT TRACK



INSPECTION OF THE LOCK HOLE

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Seat Track Inspection
Figure 601/25-11-01-990-802

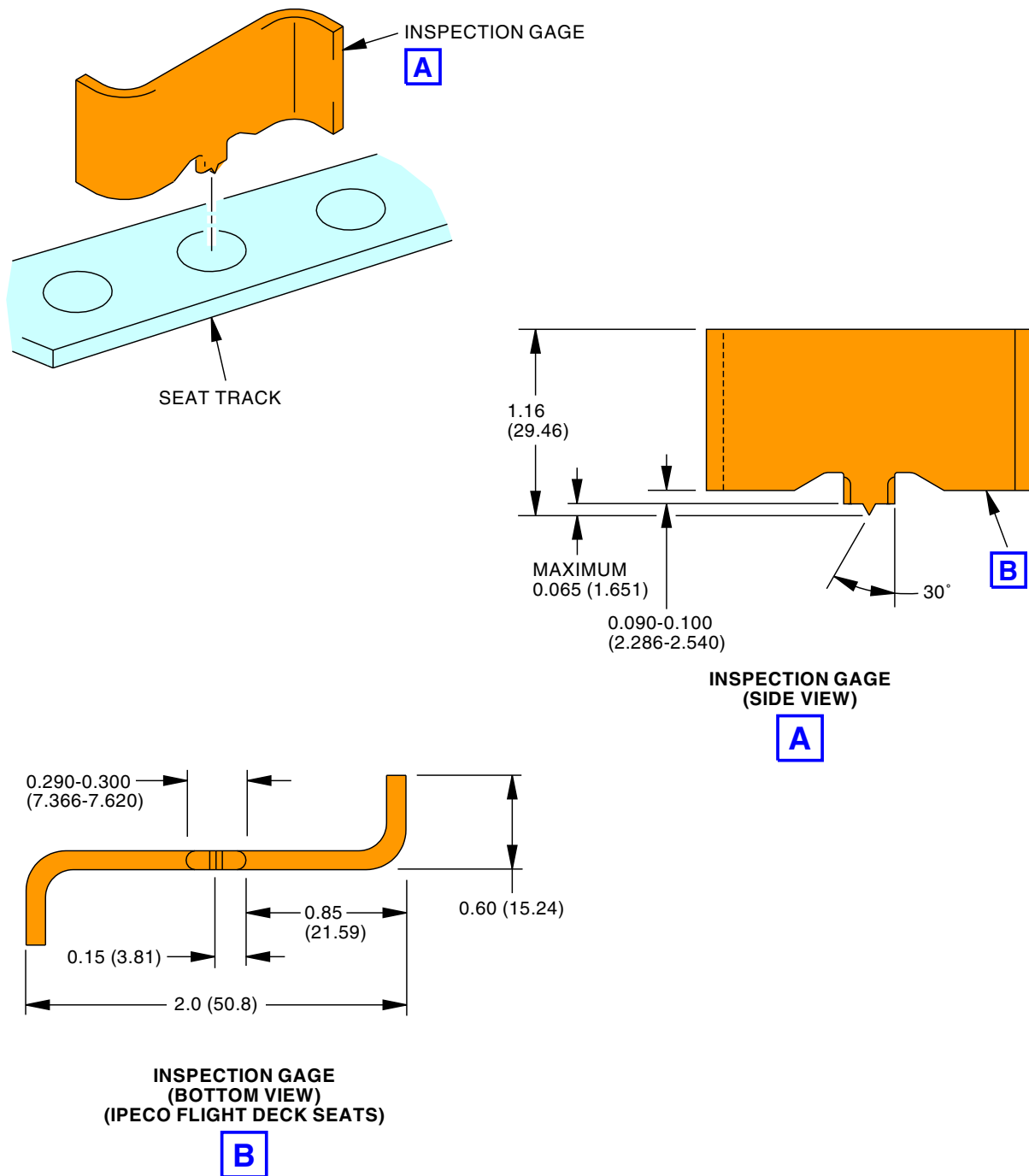
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NOTE:
ALL DIMENSIONS ARE IN INCHES (mm).

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Seat Track Inspection Gage
Figure 602/25-11-01-990-803

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OBSERVER SEAT - REMOVAL/INSTALLATION

1. General

- A. This procedure has these tasks:
- (1) First observer seat removal
 - (2) First observer seat installation

TASK 25-11-02-000-801

2. First Observer Seat Removal

(Figure 401)

A. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

B. First Observer Seat Removal

SUBTASK 25-11-02-030-001

- (1) Remove the five screws [21] that attach the first observer seat [1] to the seat structure.

SUBTASK 25-11-02-020-001

- (2) Remove the first observer seat [1].

———— **END OF TASK** ————

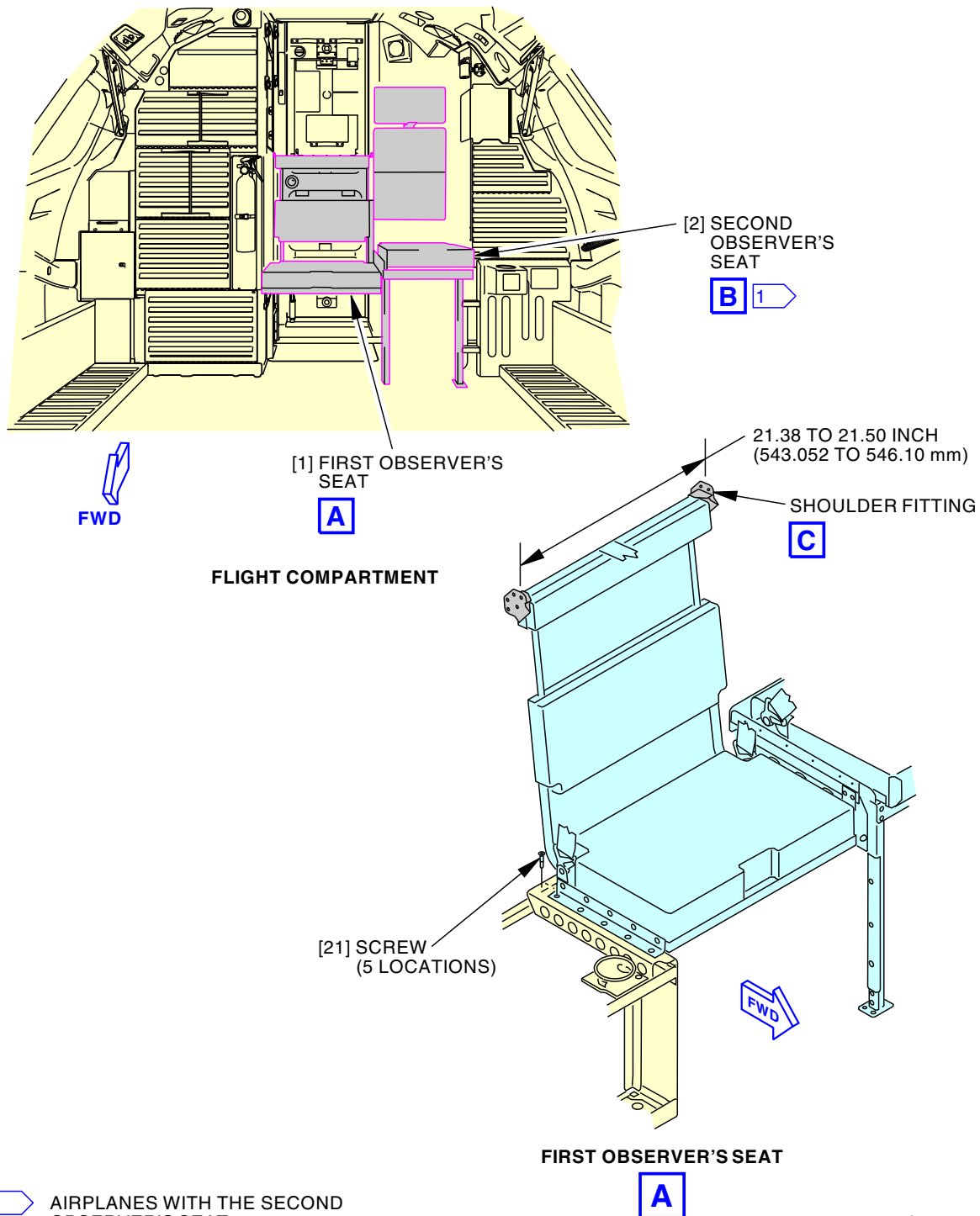
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1 AIRPLANES WITH THE SECOND OBSERVER'S SEAT.

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First Observer Seat Installation
Figure 401/25-11-02-990-802 (Sheet 1 of 2)

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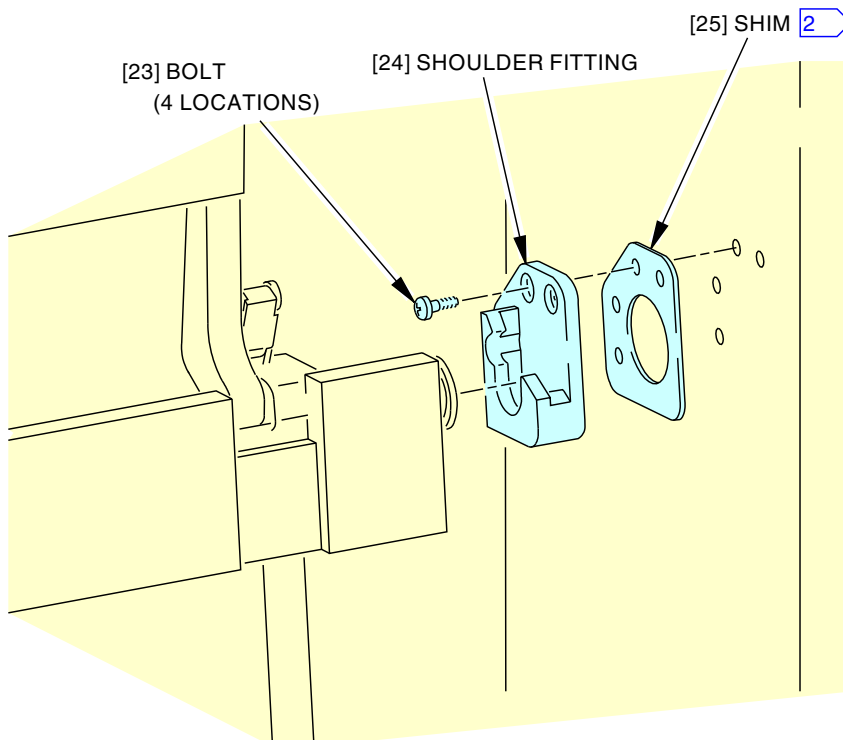
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SHOULDER FITTING
(EXAMPLE)

C

2 NOT INSTALLED ON ALL AIRPLANES

2411824 S00061529196_V1

First Observer Seat Installation
Figure 401/25-11-02-990-802 (Sheet 2 of 2)

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TASK 25-11-02-400-801

3. First Observer Seat Installation

(Figure 401)

A. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

B. First Observer Seat Installation

SUBTASK 25-11-02-400-001

- (1) Put the first observer seat [1] on the seat structure and align the screw holes.

SUBTASK 25-11-02-430-001

- (2) Install the five screws [21] into the seat bottom and frame.

SUBTASK 25-11-02-700-001

- (3) Open the first observer seat [1] and make sure that it engages the two shoulder fittings [24] correctly.
- (a) If the distance between the two shoulder fittings [24] is not 21.44 ± 0.06 in. (54.46 ± 0.15 cm), then remove or install shims [25] adjacent to the shoulder fittings [24].

NOTE: The shims [25] are not installed on all airplanes.

————— END OF TASK —————

EFFECTIVITY
SIA ALL

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FLIGHT COMPARTMENT STOWAGE BOX - REMOVAL/INSTALLATION

1. General

- A. This procedure has these tasks:
- (1) Log book holder and stowage box removal
 - (2) Log book holder and stowage box installation

TASK 25-11-03-000-801

2. Log Book Holder and Stowage Box Removal

A. **Location Zones**

Zone	Area
211	Flight Compartment - Left

B. **Log Book Holder Box Removal**

(Figure 401)

SUBTASK 25-11-03-020-001

- (1) Remove the bolts that attach the log book holder bracket [1] to the aisle stand.

SUBTASK 25-11-03-020-002

- (2) Disconnect the log book holder strap [5].

SUBTASK 25-11-03-020-003

- (3) If necessary, remove the screw [3] and washer [4] that connect the log book holder strap [5] to the monument.

SUBTASK 25-11-03-020-004

- (4) Remove the log book holder bracket [1].

C. **Stowage Box Removal**

(Figure 402)

SUBTASK 25-11-03-020-005

- (1) Remove the five screws [2] that connect the P6 stowage box door assembly [1] to the P6 panel.
 - (a) Remove the P6 stowage box door assembly [1].

———— **END OF TASK** ————

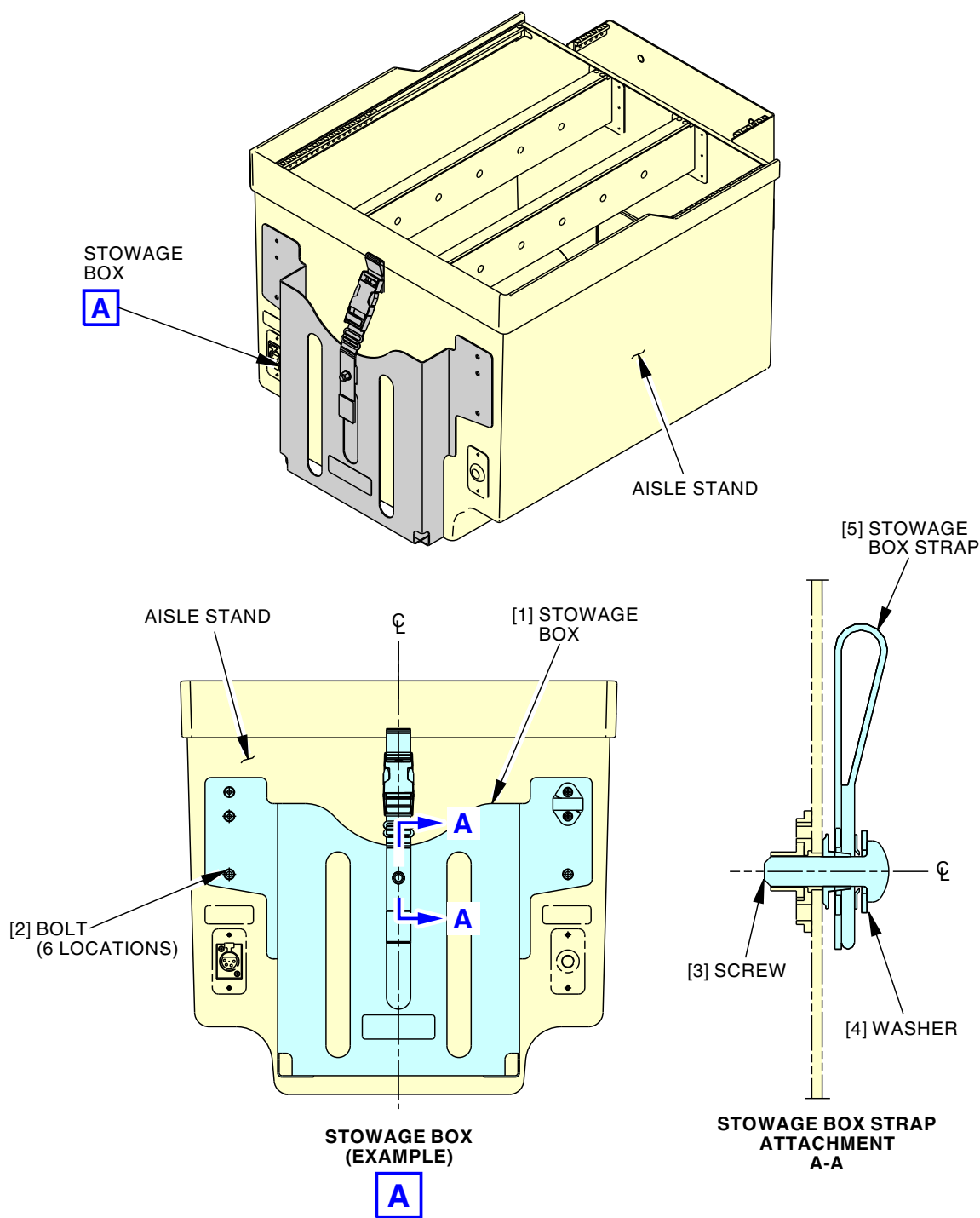
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Log Book Holder Installation
Figure 401/25-11-03-990-803

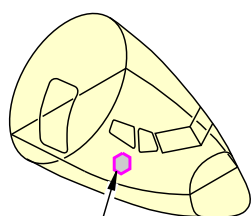
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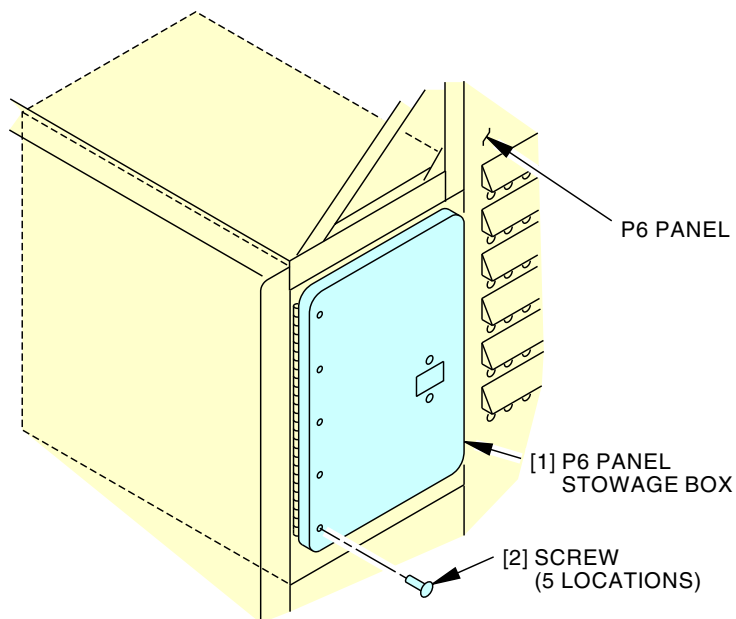
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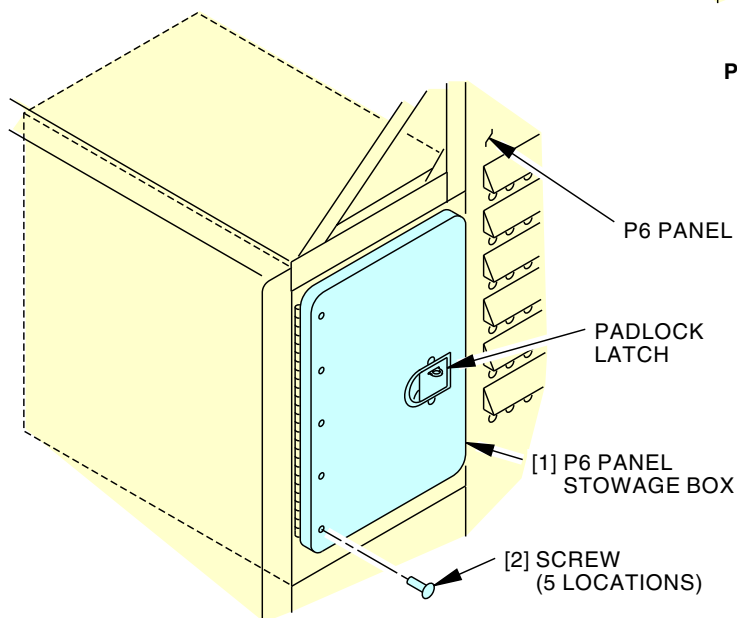
P6 STOWAGE
BOX

A



P6 PANEL STOWAGE BOX
(EXAMPLE)

A



P6 PANEL STOWAGE BOX
(WITH PADLOCK LATCH)
(EXAMPLE)

A

2411826 S00061529202_V1

P6 Panel Stowage Box Installation
Figure 402/25-11-03-990-804

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TASK 25-11-03-400-801

3. **Log Book Holder and Stowage Box Installation**

(Figure 401)

A. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	P6 stowage box door assembly	25-11-03-01A-020	SIA ALL

B. Location Zones

Zone	Area
211	Flight Compartment - Left

C. Log Book Holder Installation

SUBTASK 25-11-03-840-001

- (1) Align the holes on the log book holder bracket [1] with the aisle stand attachment points.

SUBTASK 25-11-03-420-001

- (2) Install the eight bolts [2].

SUBTASK 25-11-03-420-002

- (3) If applicable, install the screw [3] and washer [4] that connect the log book holder strap [5] to the aisle stand.

D. Stowage Box Removal

(Figure 402)

SUBTASK 25-11-03-420-003

- (1) Install the P6 stowage box door assembly [1] on the P6 panel.
(a) Install the five screws [2] that connect the P6 stowage box door assembly [1] to the P6 panel.

————— END OF TASK —————

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FLIGHT COMPARTMENT FLOOR COVERING - REMOVAL/INSTALLATION

1. **General**

A. This procedure has these tasks:

- (1) The flight compartment floor covering removal.
- (2) The flight compartment floor covering installation.

TASK 25-11-04-000-801

2. **Flight Compartment Floor Covering Removal**

(Figure 401)

A. **General**

- (1) This task includes the steps to remove the flight compartment floor covering.

B. **References**

Reference	Title
25-11-01-000-801	Captain and First Officer Seat Removal (P/B 401)
25-11-02-000-801	First Observer Seat Removal (P/B 401)

C. **Location Zones**

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

D. **Procedure**

SUBTASK 25-11-04-020-001

- (1) Remove the first observer's seats, if it is necessary (TASK 25-11-02-000-801).

SUBTASK 25-11-04-020-003

- (2) Remove the captain's and first officer's seat, if it is necessary (TASK 25-11-01-000-801).

SUBTASK 25-11-04-020-004

- (3) Remove the screws which attach the threshold at the flight compartment door, if it is applicable

SUBTASK 25-11-04-020-005

- (4) Remove the threshold.

SUBTASK 25-11-04-020-006

- (5) Pull up along all the edges of the floor covering section to remove it from the floor.

NOTE: The floor covering section is attached to the floor with double-back tape.

SUBTASK 25-11-04-020-007

- (6) Remove and discard the old tape.

———— **END OF TASK** ————

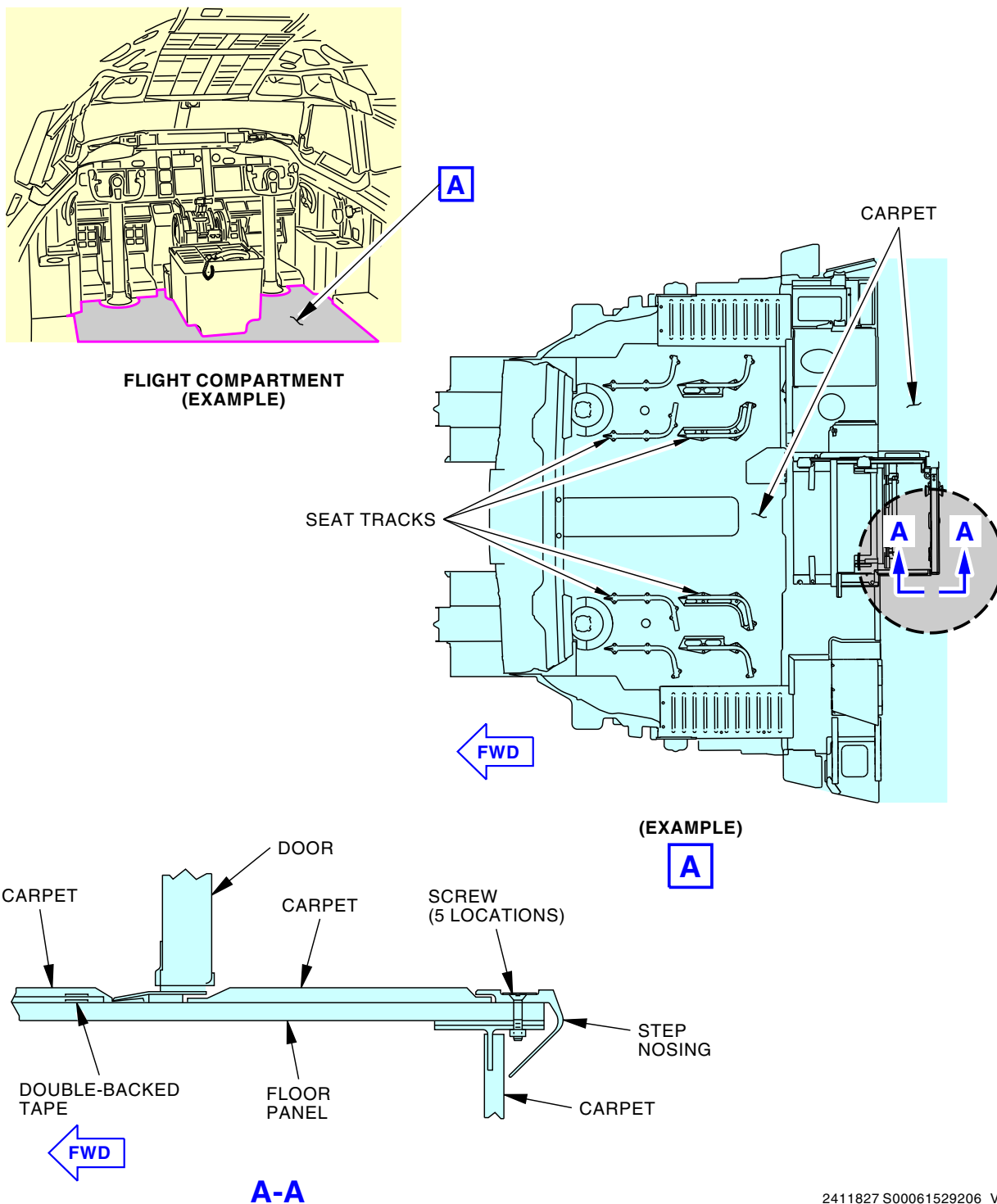
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Flight Compartment Floor Covering Installation
Figure 401/25-11-04-990-801

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TASK 25-11-04-400-801

3. Flight Compartment Floor Covering Installation

(Figure 401)

A. General

- (1) This task includes the steps to install the flight compartment floor covering.

B. References

Reference	Title
25-11-01-400-801	Captain and First Officer Seat Installation (P/B 401)
25-11-02-400-801	First Observer Seat Installation (P/B 401)

C. Consumable Materials

Reference	Description	Specification
G01288	Tape - Carpet	BMS5-133

D. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

E. Procedure

SUBTASK 25-11-04-420-001

- (1) Install the new double-back tape (carpet tape, G01288) to the floor as necessary.

SUBTASK 25-11-04-420-002

- (2) Install the floor covering sections on the floor.
(a) Make sure the double-back tape holds the floor covering sections to the floor.

SUBTASK 25-11-04-420-003

- (3) Install the threshold at the flight compartment door if applicable.
(a) Make sure you tighten the threshold screws sufficiently to keep the edges of the floor covering section in position.

SUBTASK 25-11-04-420-004

- (4) Install the captain's and first officer's seat, if removed (TASK 25-11-01-400-801).

SUBTASK 25-11-04-420-006

- (5) Install the first observer's seats, if removed (TASK 25-11-02-400-801).

————— END OF TASK —————

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FLIGHT COMPARTMENT SEAT TRACKS - INSPECTION/CHECK

1. General

A. This procedure contains these tasks:

- (1) Seat Track Wear Inspection.
- (2) Seat Track Alignment Check.

TASK 25-11-11-200-801

2. Seat Track Wear - Inspection

(Figure 601, Figure 602)

A. General

(1) There are two conditions during which the seat track can become worn:

(a) Condition 1:

- 1) The lock pin rubs on the surface of the seat track while the seat is adjusted.

(b) Condition 2:

- 1) The lock hole becomes larger when the locking pin hits the edge of the lock hole too many times when the seat is adjusted.

(2) The seat track is in good condition when:

(a) The maximum depth of a groove on the surface of the seat track is not more than 0.065 in. (1.651 mm) for Condition 1.

(b) The lock hole is not larger than 0.30 in. (7.62 mm) in diameter at a depth of 0.1 in. (2.54 mm) for the Condition 2.

B. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
SPL-1638	Gauge - Inspection, Seat Track, Flight Crew Seats (A25020-5 part of A25020-8) Part #: A25020-8 Supplier: 81205 Opt Part #: A25020-4 Supplier: 81205

C. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Seat Track Wear Inspection

SUBTASK 25-11-11-200-001

(1) To do a check on the surface of the seat track, do the steps that follow:

- (a) Put the point of the inspection gauge, SPL-1638, in a groove that is on the surface of the seat track.
- (b) If the protrusion touches the surface of the seat track, replace the seat track.

SUBTASK 25-11-11-200-002

(2) To do a check of the lock hole, do the steps that follow:

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- (a) Put the protrusion of the inspection gauge, SPL-1638, in the lock hole.
- (b) If the bottom of the inspection gage touches the surface of the seat track, replace the seat track.

———— **END OF TASK** ————

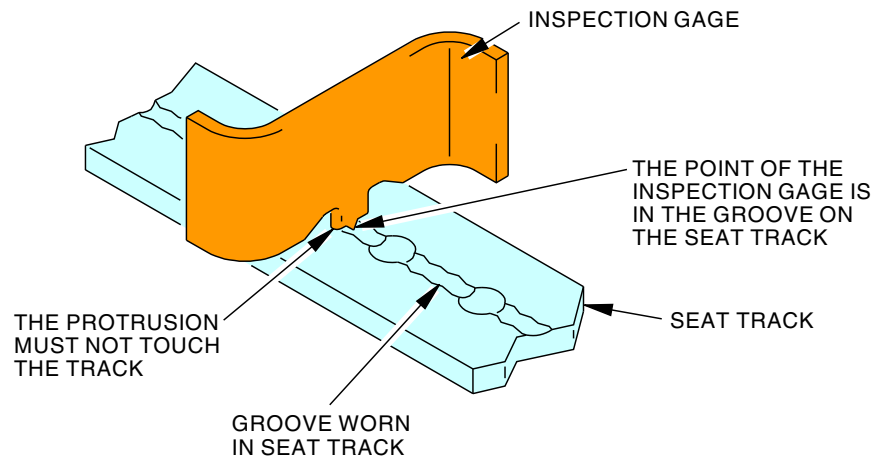
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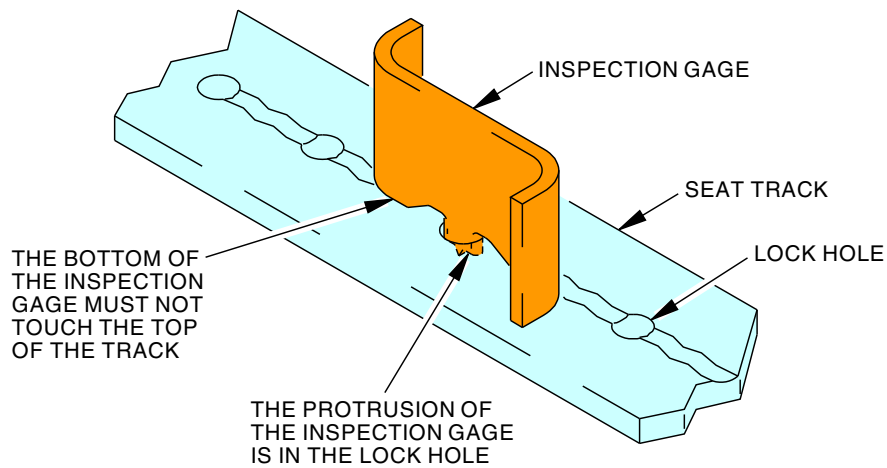
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INSPECTION ON THE SURFACE OF THE SEAT TRACK



INSPECTION OF THE LOCK HOLE

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Seat Track Inspection
Figure 601/25-11-11-990-801

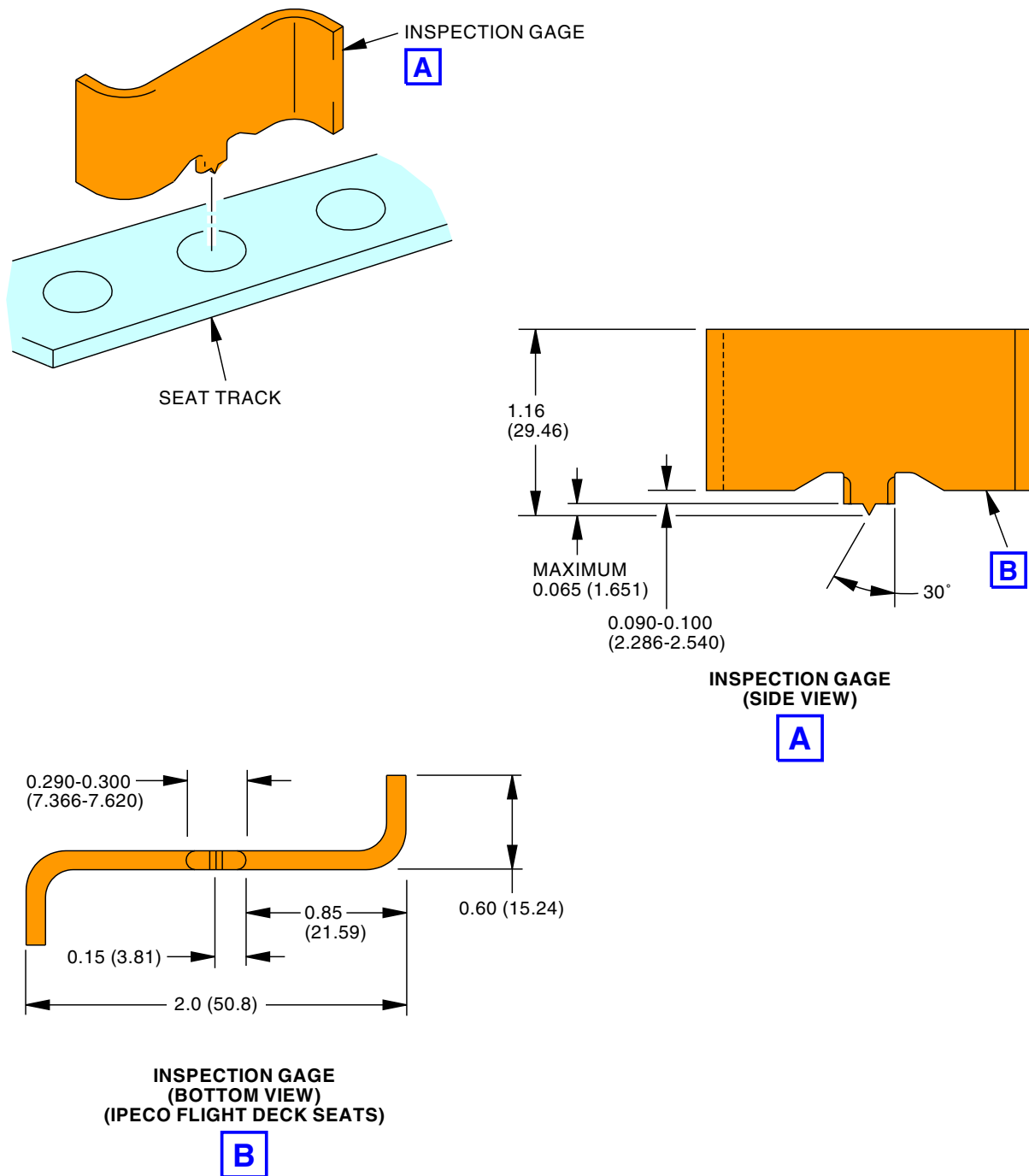
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NOTE:
ALL DIMENSIONS ARE IN INCHES (mm).

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Seat Track Inspection Gage
Figure 602/25-11-11-990-802

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TASK 25-11-11-400-801

3. Flight Compartment Seat Tracks - Installation and Alignment

A. References

Reference	Title
25-11-01-000-801	Captain and First Officer Seat Removal (P/B 401)

B. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
COM-1644	Fixture - Track Setting Part #: 0T900-0247 Supplier: K9075

C. Location Zones

Zone	Area
210	Subzone - Control Compartment - Body Station 178.00 to Body Station 259.50
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Flight Compartment Seat Tracks Installation and Alignment

SUBTASK 25-11-11-010-001

- (1) Do this task: Captain and First Officer Seat Removal, TASK 25-11-01-000-801.

SUBTASK 25-11-11-400-001

- (2) Mount the tracks in the proper positions.

NOTE: Do not tighten the bolts.

SUBTASK 25-11-11-280-001

- (3) Do these steps to align the seat tracks:

- (a) Remove any "stops" that extend above the top surface of the seat tracks.
- (b) Put the fixture, COM-1644, over the seat tracks.
- (c) Make sure the fixture, COM-1644, goes easily into the tracks.

NOTE: The seat tracks are correctly aligned if all eight pins of the fixture, COM-1644, engage in the holes on the top surface of each seat track when you apply only light downward pressure.

- (d) If the fixture, COM-1644, does not go easily into the seat tracks, loosen all of the bolts in the seat tracks.

SUBTASK 25-11-11-480-001

- (4) Put the fixture, COM-1644, over the seat tracks.

SUBTASK 25-11-11-420-001

- (5) Apply a slight downward pressure.

NOTE: The locating pins of the fixture, COM-1644, should fully engage in the holes in the top surface of each track.

SUBTASK 25-11-11-420-002

- (6) Tighten the seat track bolts that you can get access to.

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SUBTASK 25-11-11-000-001

(7) Remove the fixture, COM-1644.

SUBTASK 25-11-11-420-003

(8) Tighten all the seat track bolts.

———— **END OF TASK** ————

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FLIGHT COMPARTMENT PANELS - MAINTENANCE PRACTICES

1. General

A. This procedure has these tasks:

- (1) Flight Compartment Forward Ceiling Panel Removal
- (2) Flight Compartment Forward Ceiling Panel Installation
- (3) Flight Compartment Dripshield Removal
- (4) Flight Compartment Dripshield Installation
- (5) Flight Compartment Sunvisor Adjustment and Test
- (6) Flight Compartment Aft Ceiling Panel Removal
- (7) Flight Compartment Aft Ceiling Panel Installation
- (8) Roller Sunshade Removal
- (9) Roller Sunshade Installation

TASK 25-11-21-000-801

2. Flight Compartment Forward Ceiling Panel Removal

(Figure 201)

A. General

- (1) This procedure is for airplanes that do not have a head up display (HUD) guidance system installed on the airplane.
- (2) The procedures in this task remove the ceiling panels from the right and left forward flight compartment.

B. References

Reference	Title
25-61-10-000-801	Flight Compartment Escape Rope Removal (P/B 201)

C. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Remove the Left and Right Forward Ceiling Panels

SUBTASK 25-11-21-020-001

- (1) Remove the upper closure panel [2] and the lower closure panel [4] (Detail A).
 - (a) Remove the two screws [3] that attach the upper closure panel [2] and the lower closure panel [4] to the window structure.

NOTE: The closure panels are attached with Velcro, hook-and-loop fasteners.
 - (b) Remove the upper closure panel [2].
 - (c) Remove the lower closure panel [4].

SUBTASK 25-11-21-020-002

- (2) Remove the lower lining [5] from the No. 3 window (Detail A).

NOTE: The forward ceiling panels have two screws under the upper lining for the No. 3 window. The No. 3 window lining must be removed first to remove overhead panel.

 - (a) Disconnect the electrical wire [6].

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- (b) Remove the screw [3].
- (c) Move the lower lining [5] to get access to the electrical wiring.
- (d) Disconnect the electrical wiring from the back of the panel.
- (e) Remove the lower lining [5].

SUBTASK 25-11-21-020-003

- (3) Remove the upper lining [7] from the No. 3 window (Detail A).
 - (a) Remove the screw [3].
 - (b) Remove the upper lining [7].

SUBTASK 25-11-21-020-004

- (4) Remove the sunvisor track [9] (Detail B).
 - (a) Remove the two screws [8] and the three screws [10] from the sunvisor track [9].
 - (b) Remove the sunvisor track [9].

SUBTASK 25-11-21-020-005

- (5) Remove the forward lining cover [11] from the No. 1 window (Detail C).
 - (a) Remove the six screws [12] from the forward lining cover [11].
 - (b) Let the forward lining cover [11] hang from the drain hoses.

SUBTASK 25-11-21-020-007

- (6) Remove the eyebrow pad [14], if installed (Detail D).
 - (a) Remove the four screws [13] that attach the eyebrow pad [14] to the structure.
 - (b) Pull the eyebrow pad [14] from the structure and let it hang.

SUBTASK 25-11-21-020-008

- (7) Remove the escape rope (Detail E).
 - (a) Do this task: Flight Compartment Escape Rope Removal, TASK 25-61-10-000-801.

SUBTASK 25-11-21-020-009

- (8) Remove the rubber trim strips [15] from the aft edge of the ceiling panel (Detail F).

NOTE: The rubber trim strips [15] are attached to the ceiling panel edges with Velcro hook-and-loop fasteners.

 - (a) Remove the trim pad [1] from the left ceiling panel (installed above the small stowage compartment).

NOTE: The trim pad [1] is attached with Velcro hook-and-loop fasteners.

SUBTASK 25-11-21-020-010

- (9) Remove the right forward ceiling panel [17] (Detail G).
 - (a) Hold the ceiling panel [17].
 - (b) Remove the seven screws [16] that attach the right forward ceiling panel [17] to the structure.

NOTE: On the right ceiling panel, one screw is in the spare bulb compartment.
 - (c) Remove the seven screws [18] that attach the ceiling panel [17] to the structure.
 - (d) Remove the ceiling panel [17].

SUBTASK 25-11-21-020-016

- (10) Remove left forward ceiling panel [17] (Detail H).
 - (a) Hold the ceiling panel [17].

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- (b) Remove the 10 screws [18] that attach the ceiling panel [17] to the structure.
- (c) Remove the ceiling panel [17].

SUBTASK 25-11-21-020-029

- (11) Remove the lining [21] (Detail J).
 - (a) Hold the lining [21].
 - (b) Remove the two screws [22] and washer [23] that attach the lining [21] to the structure.
 - (c) Remove the lining [21].

SUBTASK 25-11-21-020-035

- (12) Remove the lightshade [28] (Detail J).
 - (a) Hold the lightshade [28].
 - (b) Remove the two screws [29] that attach the lightshade [28] to the structure.
 - (c) Remove the lightshade [28].

SUBTASK 25-11-21-020-030

- (13) Remove the upper cover [26] (Detail J).
 - (a) Hold the upper cover [26].
 - (b) Remove the four screws [27] that attach the upper cover [26] to the structure.
 - (c) Remove the upper cover [26].

SUBTASK 25-11-21-020-031

- (14) Remove the lower cover [24] (Detail K).
 - (a) Hold the lower cover [24].
 - (b) Remove the seven screws [25] that attach the lower cover [24] to the structure.
 - (c) Remove the lower cover [24].

———— **END OF TASK** ————

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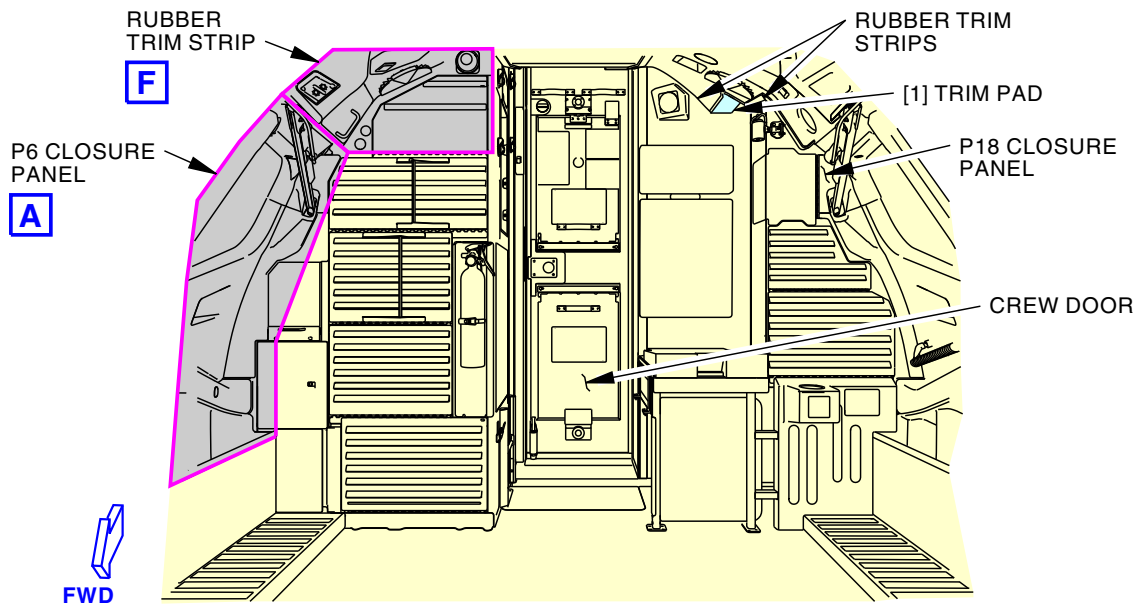
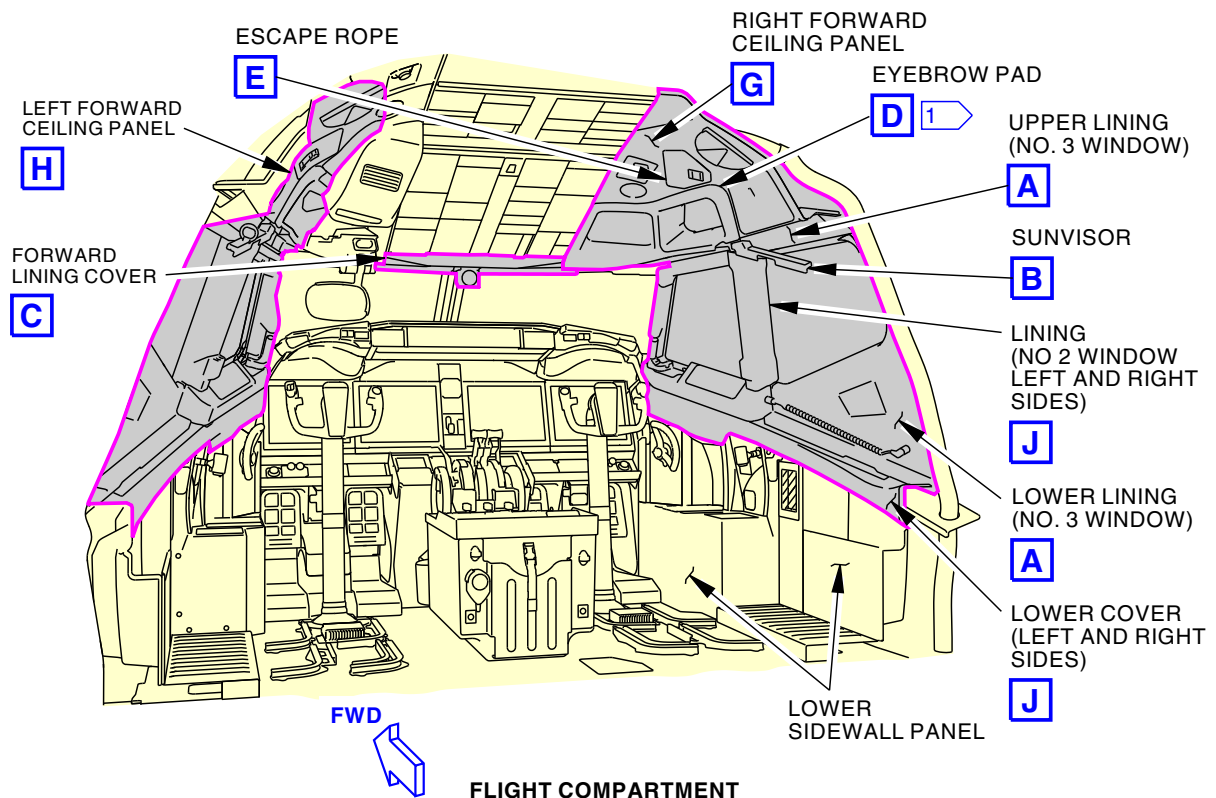
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NOTE:

1 IF INSTALLED

FLIGHT COMPARTMENT

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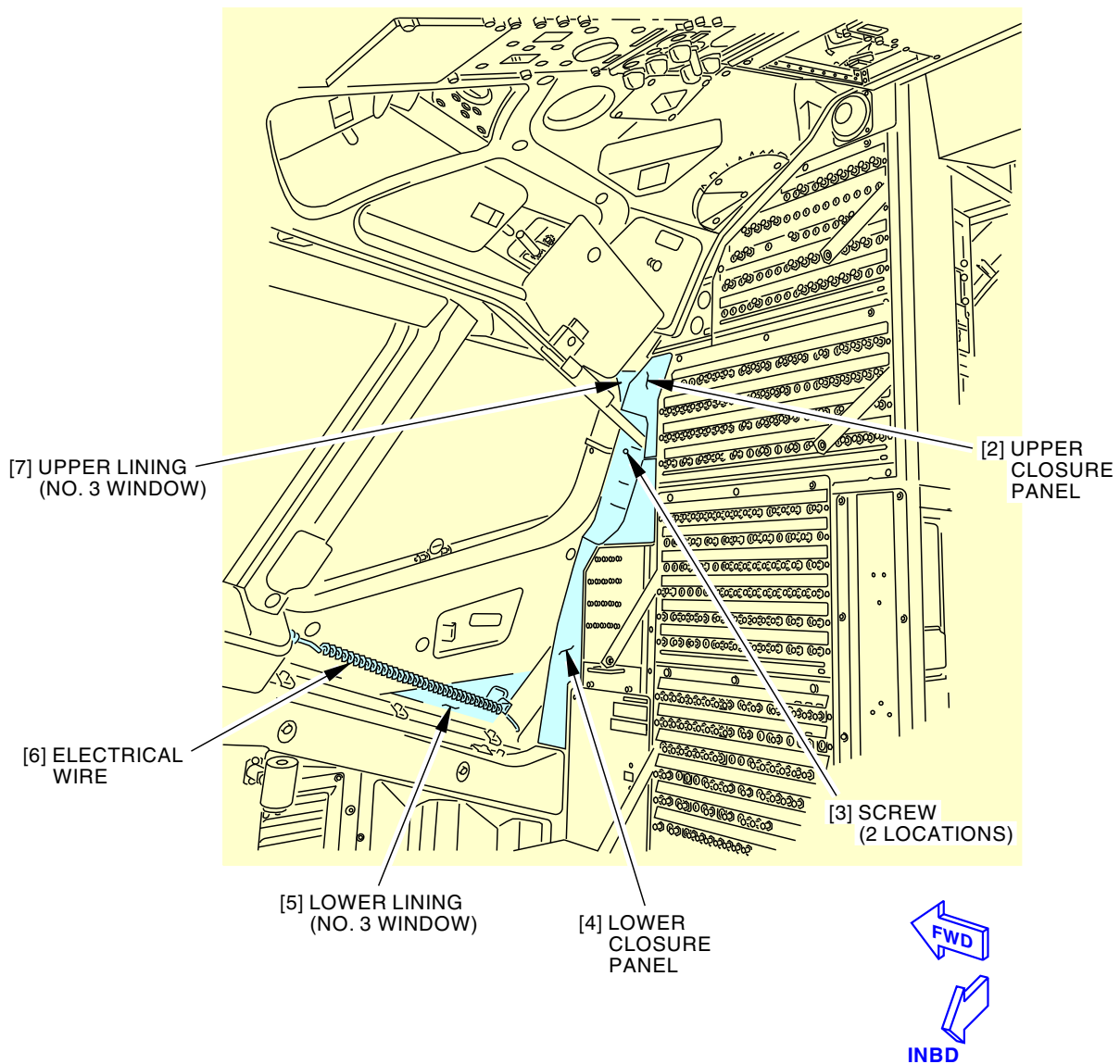
Flight Compartment Forward Ceiling Panel Installation
Figure 201/25-11-21-990-806 (Sheet 1 of 10)

EFFECTIVITY
SIA ALL

25-11-21

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CLOSURE AND WINDOW PANELS
(RIGHT SIDE IS SHOWN, LEFT SIDE IS OPPOSITE)

A

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Flight Compartment Forward Ceiling Panel Installation
Figure 201/25-11-21-990-806 (Sheet 2 of 10)

EFFECTIVITY
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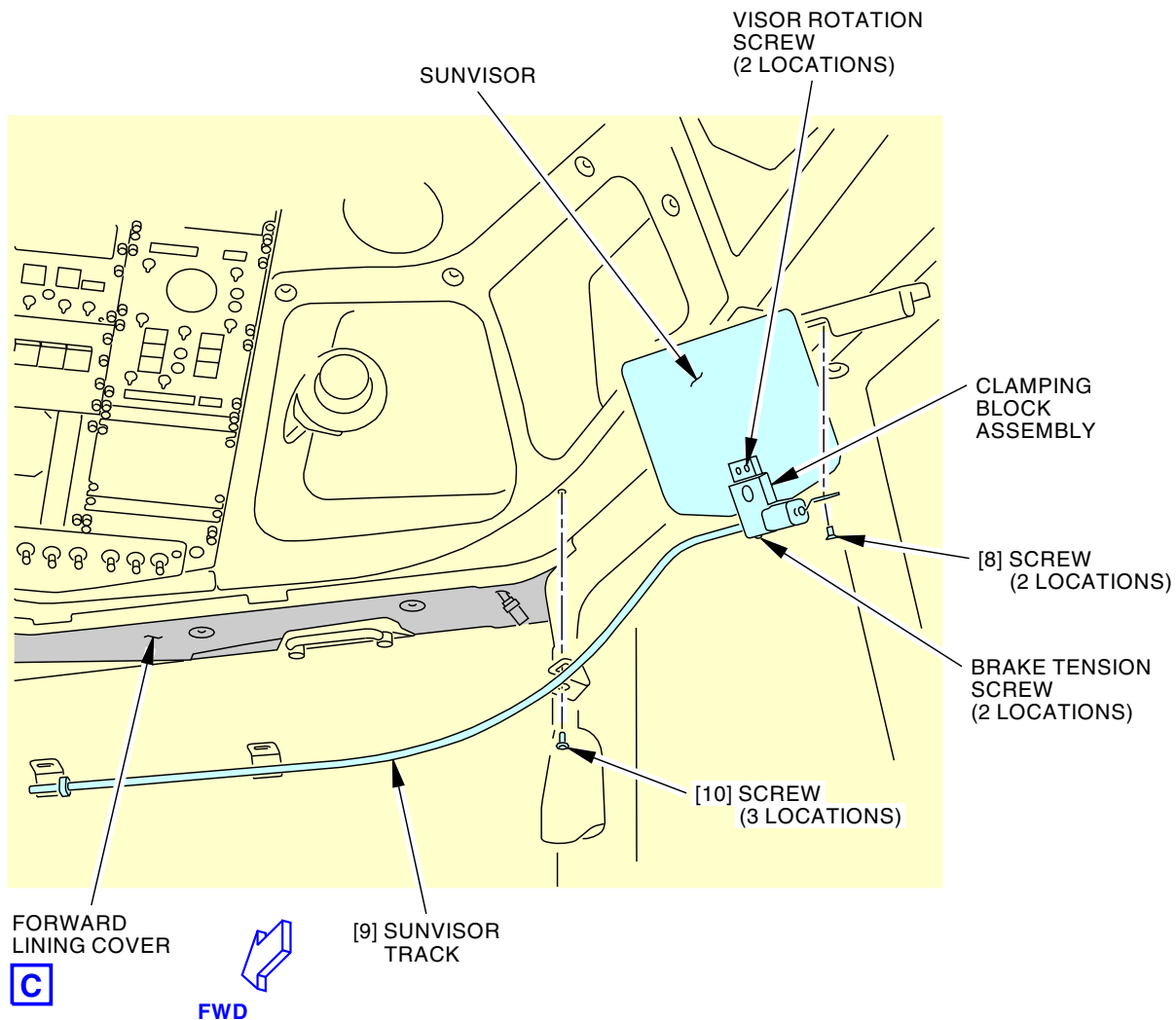
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SUNVISOR
(RIGHT SIDE IS SHOWN, LEFT SIDE IS ALMOST THE SAME)

B

2411839 S00061529230_V1

Flight Compartment Forward Ceiling Panel Installation
Figure 201/25-11-21-990-806 (Sheet 3 of 10)

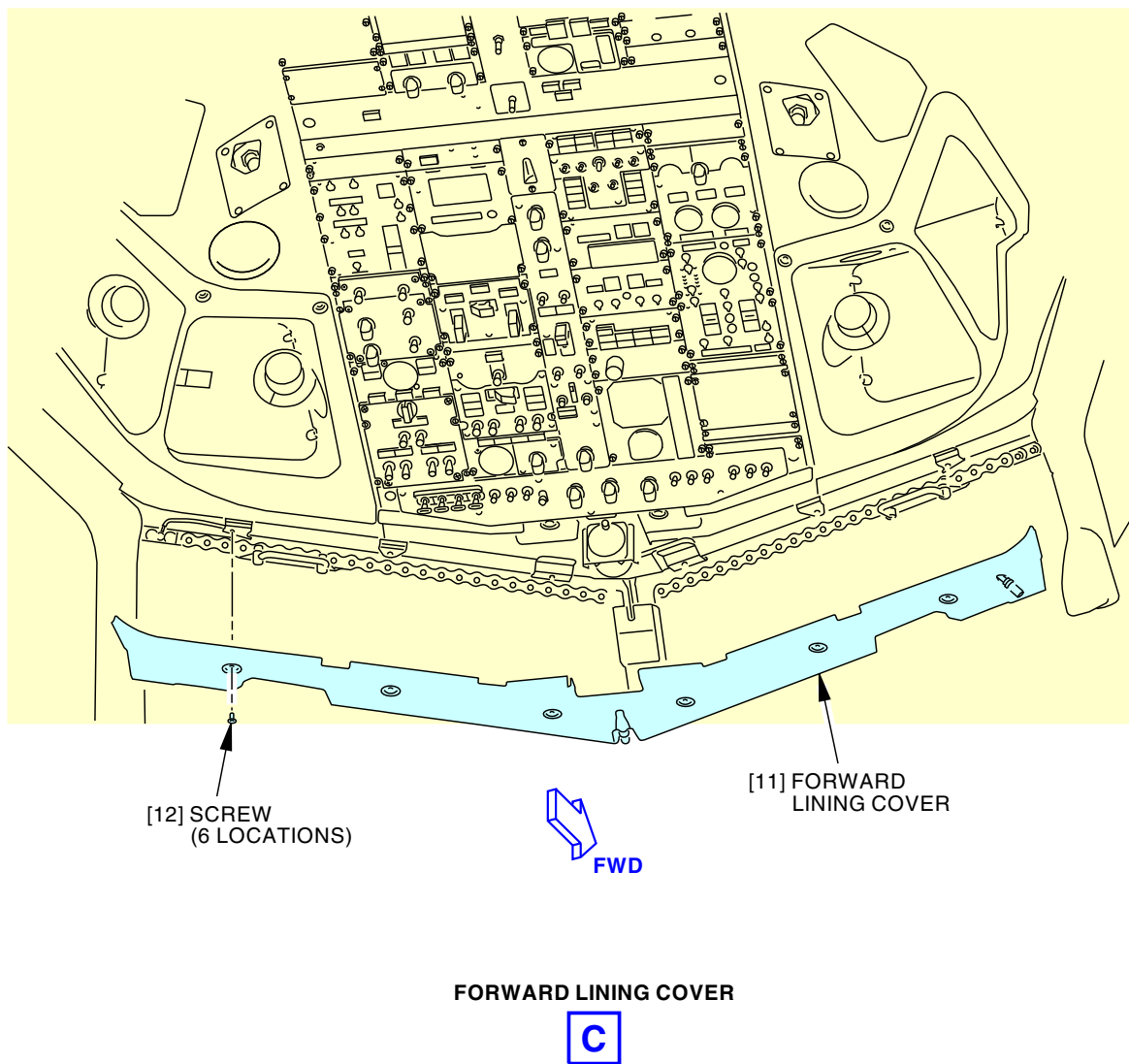
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2411840 S00061529231_V1

Flight Compartment Forward Ceiling Panel Installation
Figure 201/25-11-21-990-806 (Sheet 4 of 10)

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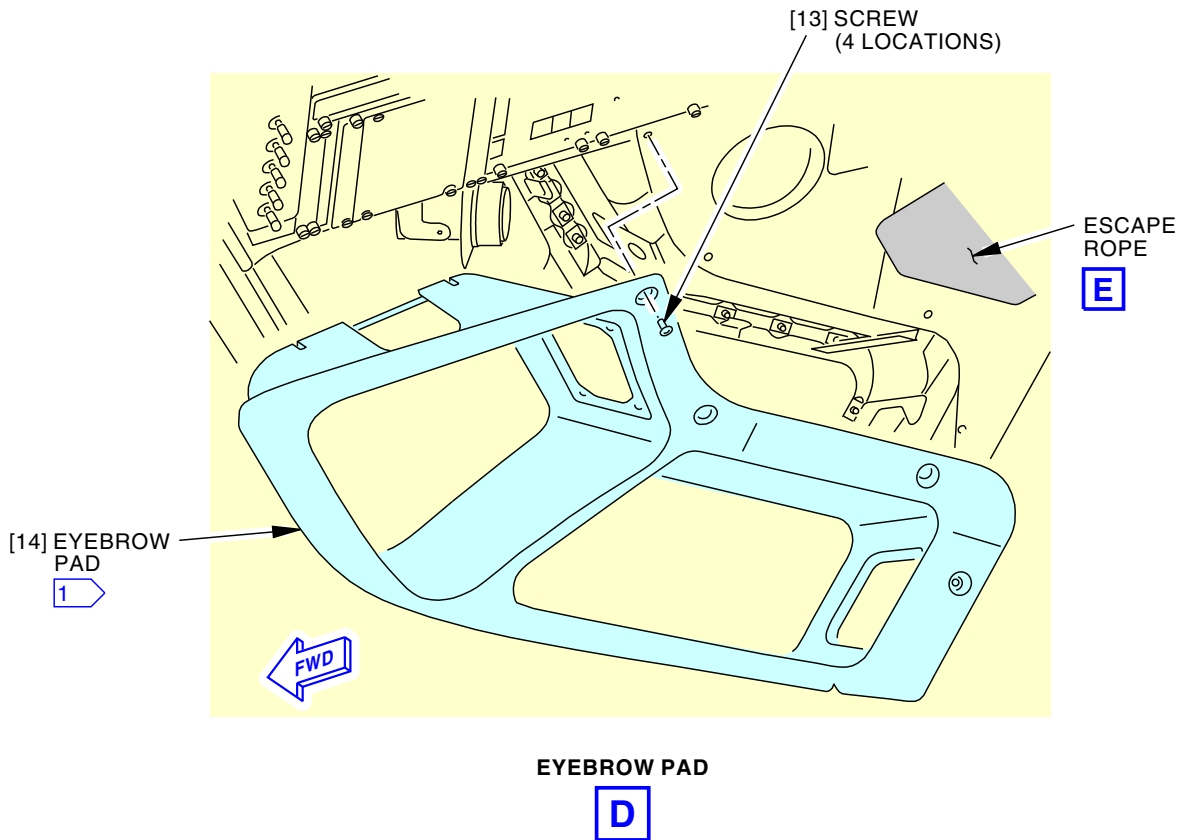
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NOTE:
1 IF INSTALLED

2411841 S00061529232_V1

Flight Compartment Forward Ceiling Panel Installation
Figure 201/25-11-21-990-806 (Sheet 5 of 10)

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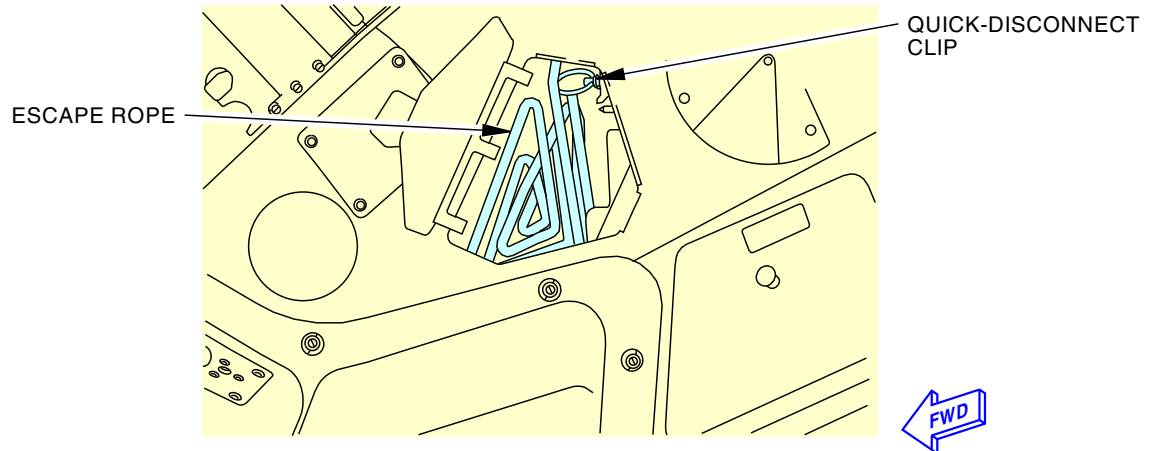
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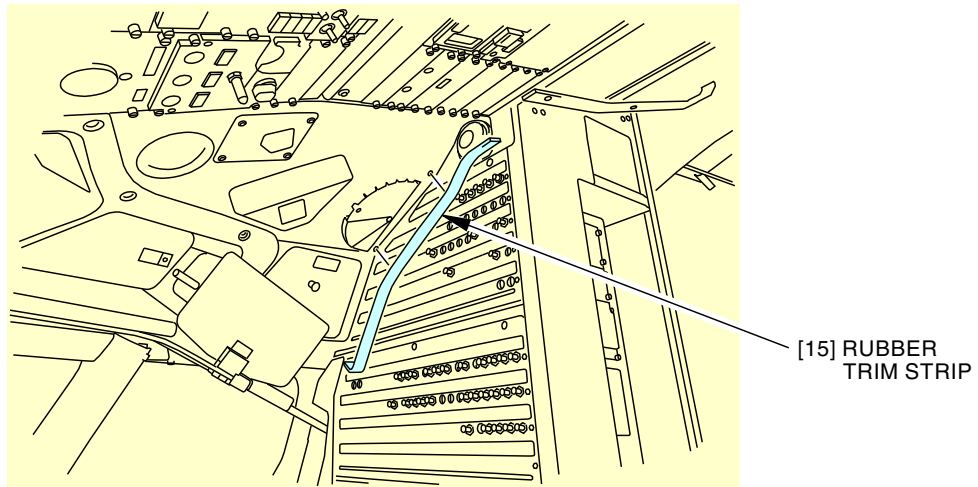


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ESCAPE ROPE
(RIGHT SIDE IS SHOWN, LEFT SIDE IS ALMOST THE SAME)

E



RUBBER TRIM STRIP
(RIGHT SIDE IS SHOWN, LEFT SIDE IS OPPOSITE)

F

2411842 S00061529233_V1

Flight Compartment Forward Ceiling Panel Installation
Figure 201/25-11-21-990-806 (Sheet 6 of 10)

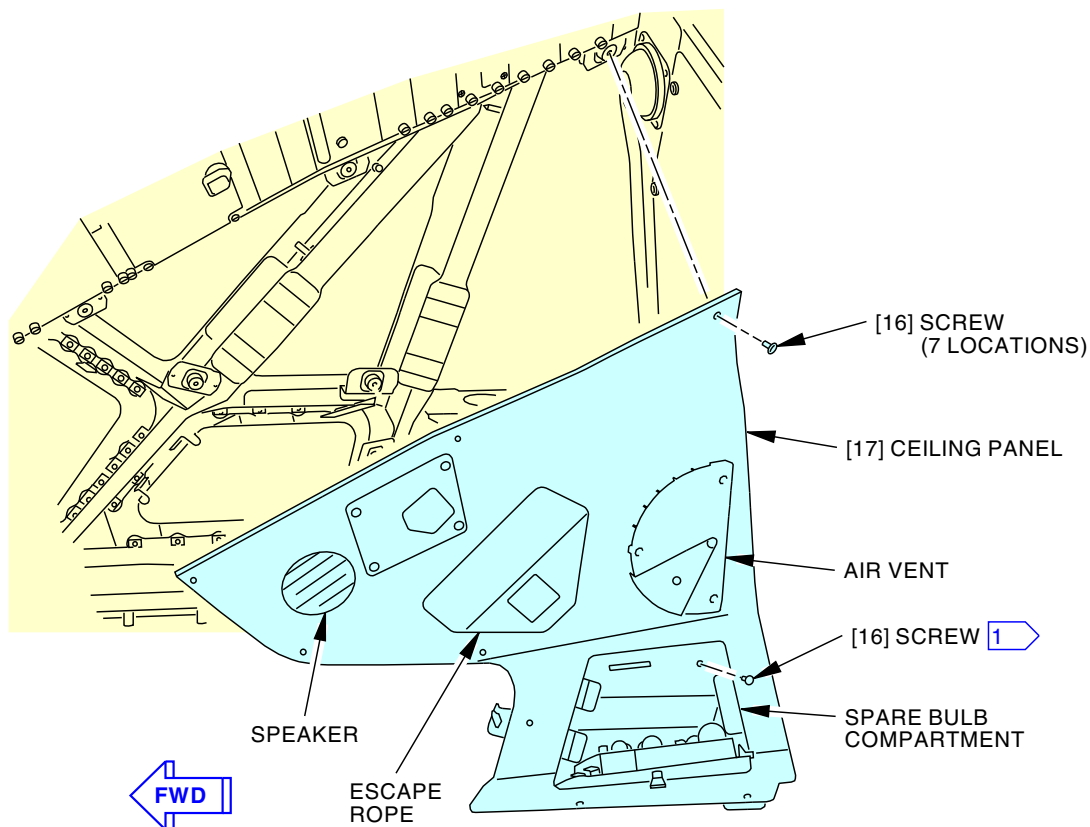
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RIGHT FORWARD CEILING PANEL

G

1 THE SCREW IS INSIDE THE SPARE BULB COMPARTMENT FOR THE RIGHT CEILING PANEL.

2411843 S00061529234_V2

Flight Compartment Forward Ceiling Panel Installation
Figure 201/25-11-21-990-806 (Sheet 7 of 10)

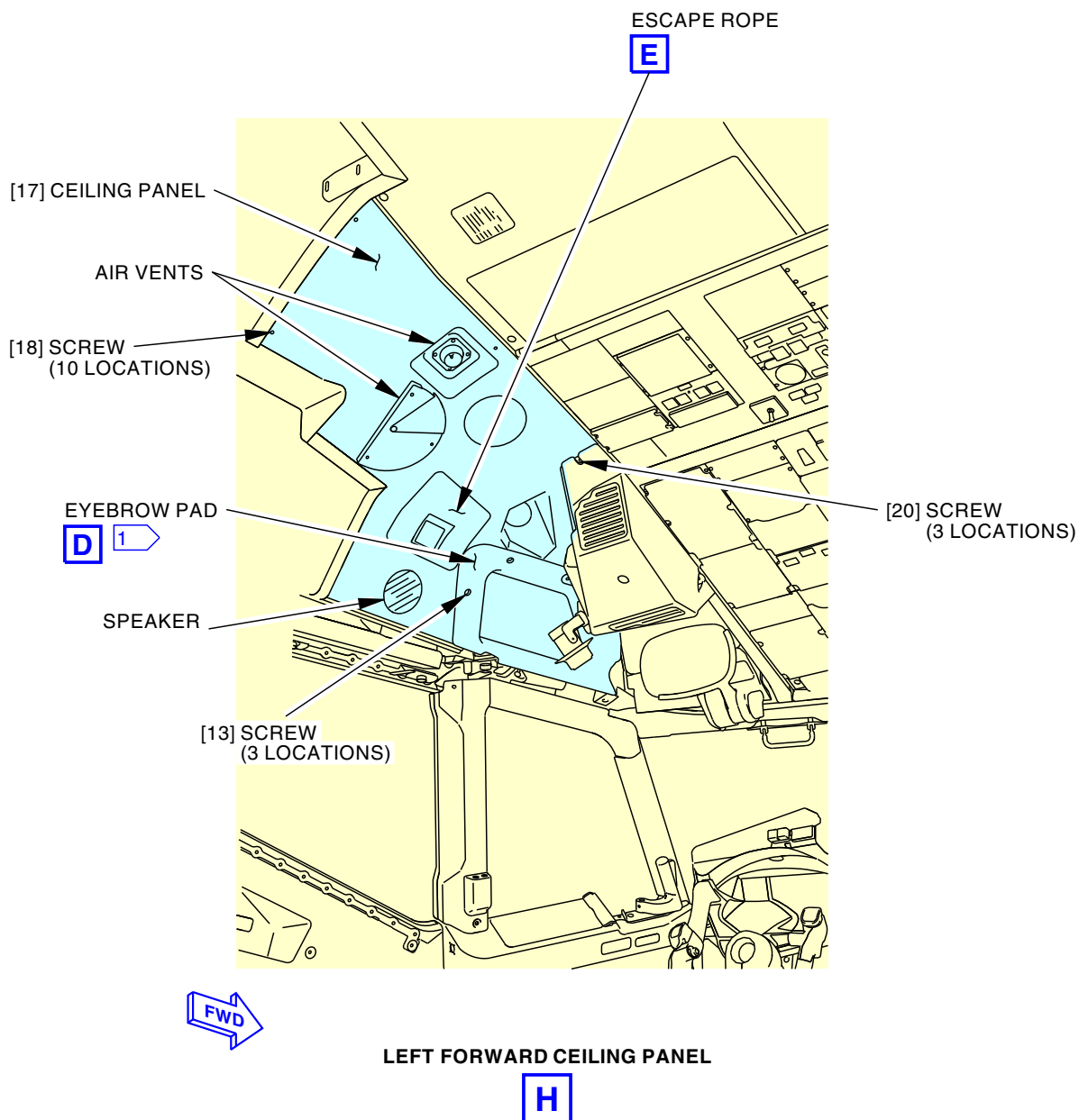
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NOTE:

[1] IF INSTALLED

2537186 S0000601382_V1

Flight Compartment Forward Ceiling Panel Installation
Figure 201/25-11-21-990-806 (Sheet 8 of 10)

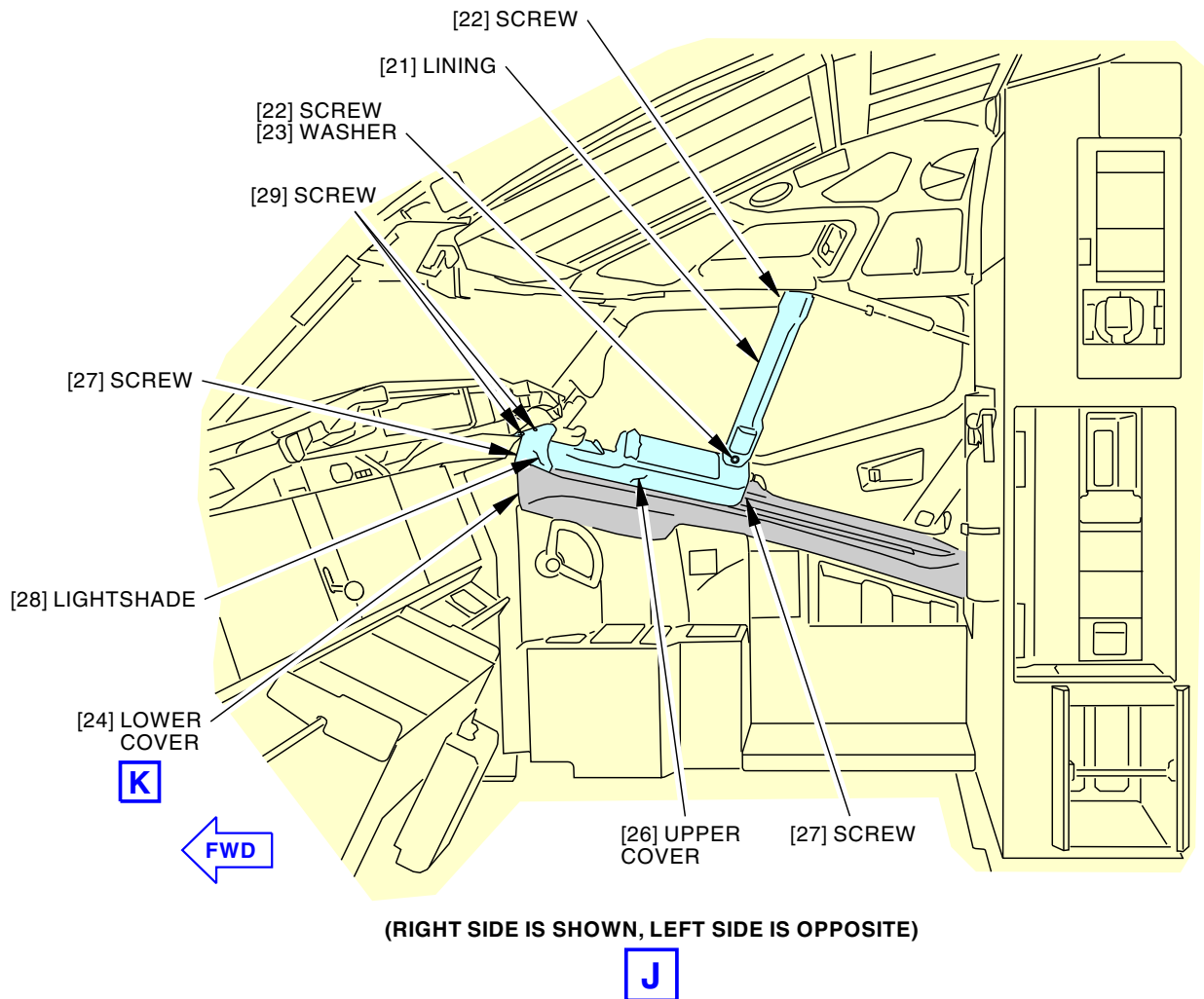
EFFECTIVITY
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2947092 S0000723892_V2

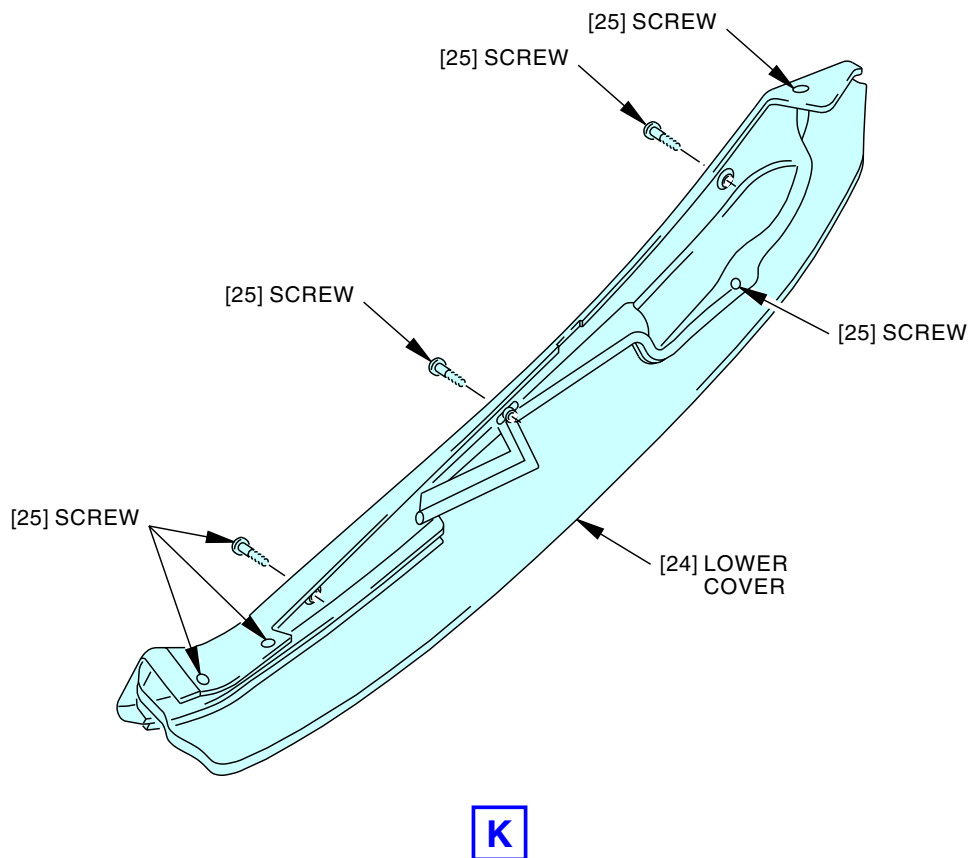
Flight Compartment Forward Ceiling Panel Installation
Figure 201/25-11-21-990-806 (Sheet 9 of 10)

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2947101 S0000723909_V1

Flight Compartment Forward Ceiling Panel Installation
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EFFECTIVITY
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TASK 25-11-21-400-801

3. **Flight Compartment Forward Ceiling Panel Installation**

(Figure 201)

A. References

Reference	Title
25-61-10-400-801	Flight Compartment Escape Rope Installation (P/B 201)

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Trim pad	25-11-21-05-225	SIA ALL
		25-11-21-06-100	SIA ALL
2	Upper closure panel	25-11-21-07A-065	SIA ALL
		25-11-21-08A-090	SIA ALL
4	Lower closure panel	25-11-21-07A-085	SIA ALL
		25-11-21-08A-065	SIA ALL
5	Lower lining	25-11-21-07A-105	SIA ALL
		25-11-21-08A-065	SIA ALL
9	Sunvisor track	25-11-21-27B-005	SIA ALL
		25-11-21-27B-405	SIA ALL
11	Forward lining cover	25-11-21-19-005	SIA ALL
14	Eyebrow pad	25-11-21-02-145	SIA ALL
		25-11-21-02-150	SIA ALL
		25-11-21-03-005	SIA ALL
17	Ceiling panel	25-11-21-02-155	SIA ALL
		25-11-21-03-029	SIA ALL

C. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Install the Forward Ceiling Panel

SUBTASK 25-11-21-420-029

- (1) Install the lower cover [24] (Detail K).
 - (a) Align the lower cover [24] in the correct position.
 - (b) Install the screws [25] to attach the lower cover [24] to the structure.

SUBTASK 25-11-21-420-030

- (2) Install the upper cover [26] (Detail J).
 - (a) Align the upper cover [26] in the correct position.
 - (b) Install the screws [27] to attach the upper cover [26] to the structure.

SUBTASK 25-11-21-420-035

- (3) Install the lightshade [28] (Detail J).
 - (a) Align the lightshade [28] in the correct position.
 - (b) Install the screws [29] to attach the lightshade [28] to the structure.

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SUBTASK 25-11-21-420-031

- (4) Install the lining [21] (Detail J).
 - (a) Align the lining [21] in the correct position.
 - (b) Install the screws [22] and washer [23] to attach the lining [21] to the structure.

SUBTASK 25-11-21-420-001

- (5) Install the right or left forward ceiling panel [17] (Detail G).
 - (a) Hold the ceiling panel [17].
 - (b) Connect the wires to the speakers.
 - (c) Connect the air hoses.
 - (d) Align the ceiling panel [17] in the correct position.
 - (e) Install the seven screws [16] to attach the ceiling panel [17] to the structure.

NOTE: On the right ceiling panel, a screw is in the spare bulb compartment.

SUBTASK 25-11-21-420-002

- (6) Install the rubber trim strips [15] on the ceiling panel [17] edges (Detail F).
 - (a) On the left ceiling panel, install the trim pad [1].

NOTE: The trim pad is installed on the aft corner above the small stowage compartment.

SUBTASK 25-11-21-420-003

- (7) Install the escape rope (Detail E).
 - (a) Do this task: Flight Compartment Escape Rope Installation, TASK 25-61-10-400-801.

SUBTASK 25-11-21-420-004

- (8) Install the right or left eyebrow pad [14], if necessary (Detail D).
 - (a) Align the eyebrow pad [14] in the correct position.
 - (b) Install the screws [16] to attach the eyebrow pad [14] to the ceiling structure.

SUBTASK 25-11-21-420-006

- (9) Install the forward lining cover [11] for the No. 1 window (Detail C).
 - (a) Align the forward lining cover [11] in the correct position.
 - (b) Install the screws [13] to attach the forward lining cover [11] to the structure.

SUBTASK 25-11-21-420-007

- (10) Install the sunvisor track [9] (Detail B).
 - (a) Align the sunvisor track [9] in the correct position.
 - (b) Install the screw [8] and screw [10] to attach the sunvisor track [9] to the structure.

SUBTASK 25-11-21-420-008

- (11) Install the upper lining [7] for the No. 3 window (Detail A).
 - (a) Align the upper lining [7] in the correct position.
 - (b) Install the screws [3] to attach the upper lining [7] to the structure.

SUBTASK 25-11-21-420-009

- (12) Install the lower lining [5] for the No. 3 window (Detail A).
 - (a) Align the lower lining [5] in the correct position.
 - (b) Connect the electrical wiring to the back of the panel.



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- (c) Make sure that the receptacle connector keyway for the electrical wire [6] is aligned to the top of the receptacle (12 o'clock position) (Detail I).
- (d) Install the screws [3] to attach the lower lining [5] to the structure.
- (e) Connect the electrical wire [6].

SUBTASK 25-11-21-420-027

- (13) Do a check of the window No.2 heat system:

NOTE: If the window temperature is more than 110F (43C), WHCU will not supply electrical power to heat the window.

- (a) Put the applicable WINDOW HEAT power switch on the window/pitot heat control panel, P5-9, to the ON position.
- (b) Make sure that the corresponding ON light on the window/pitot heat control panel comes on.

NOTE: It can take up to 15 seconds for a light to come on.

NOTE: If the window temperature is more than 110F (43C) corresponding On light on the window/pitot heat control panel stays off.

- (c) Make sure that the OVERHEAT light does now come on.

SUBTASK 25-11-21-420-010

- (14) Install the upper closure panel [2] and lower closure panel [4] (Detail A).

- (a) Align the lower closure panel [4] in the correct position.
- (b) Align the upper closure panel [2] in the correct position.
- (c) Install the two screws [3].

E. Installation Test

SUBTASK 25-11-21-710-002

- (1) Do an installation test for the service interphone and speaker system.

- (a) Put the SERVICE INTERPHONE switch on the pilot's overhead panel to the OFF position.
- (b) Put the captain and first officer's SPKR volume control switch to the ON position.
- (c) Make sure that the light comes on.
- (d) Turn the SPKR volume control switch clockwise to the middle position (or the preferred volume level).
- (e) Make sure that the flight crew speaker operates correctly.
 - 1) Push and hold the PTT switch on the hand microphone at the opposite flight crew station.
 - 2) Speak into the hand microphone.
 - 3) Make sure that the voice is heard from the flight deck speaker.
- (f) Release the PTT switch on the hand microphone.

SUBTASK 25-11-21-710-003

- (2) Make sure that the sunvisor operates correctly.

- (a) Do this task: Flight Compartment Sunvisor Adjustment and Test, TASK 25-11-21-700-801.

———— **END OF TASK** ————

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TASK 25-11-21-000-802

4. Flight Compartment Dripshield Removal

(Figure 202)

A. References

Reference	Title
25-80-00-000-801	Insulation Blanket Removal (P/B 401)

B. Location Zones

Zone	Area
210	Subzone - Control Compartment - Body Station 178.00 to Body Station 259.50
211	Flight Compartment - Left
212	Flight Compartment - Right

C. Remove the Dripshield

SUBTASK 25-11-21-010-001

- (1) Remove the overhead, P5, instrument modules.

SUBTASK 25-11-21-010-002

- (2) Remove the forward ceiling panel (TASK 25-11-21-000-801).

SUBTASK 25-11-21-010-003

- (3) Remove the P5 panel support structure.

SUBTASK 25-11-21-010-004

- (4) Remove the wire supports and clips.

SUBTASK 25-11-21-020-011

- (5) Disconnect the wires, as necessary.

SUBTASK 25-11-21-020-012

- (6) Loosen the wire bundles, as necessary.

SUBTASK 25-11-21-020-013

- (7) Remove the fasteners that remain.

SUBTASK 25-11-21-020-014

- (8) Push the wire bundles out of the holes to remove the drip pan.

SUBTASK 25-11-21-210-001

- (9) Remove the insulation blanket (TASK 25-80-00-000-801).

SUBTASK 25-11-21-210-002

- (10) Do a general visual inspection of the flight compartment structure above the forward and aft P5 panel dripshield [38].

————— END OF TASK —————

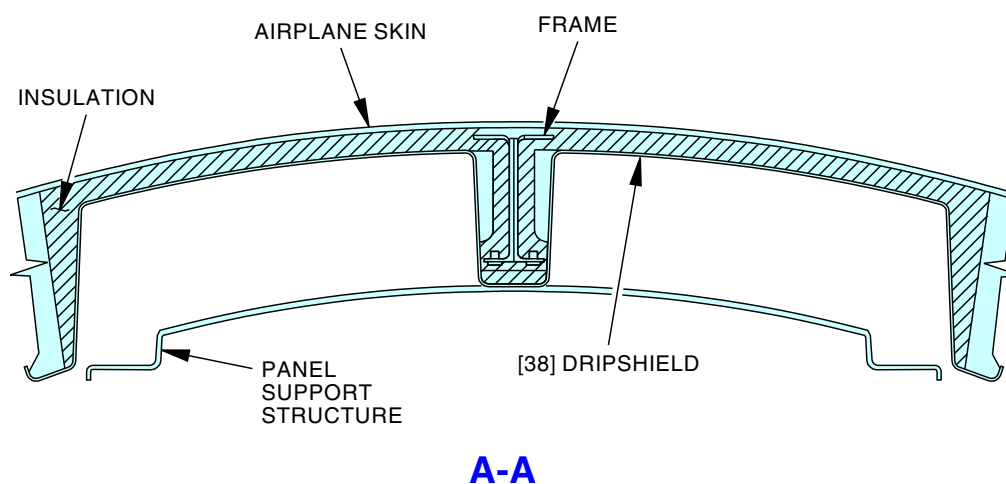
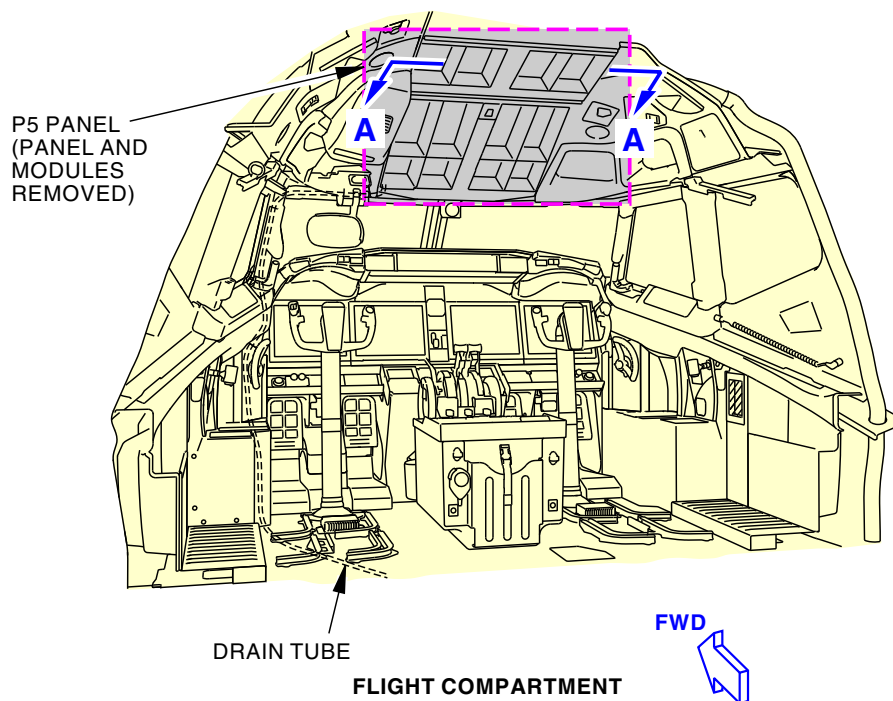
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Flight Compartment Dripshield Installation
Figure 202/25-11-21-990-802

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TASK 25-11-21-400-802

5. Flight Compartment Dripshield Installation

(Figure 202)

A. References

Reference	Title
25-80-00-400-801	Insulation Blanket Installation (P/B 401)

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
38	Dripshield	25-11-21-10-235	SIA ALL

C. Location Zones

Zone	Area
210	Subzone - Control Compartment - Body Station 178.00 to Body Station 259.50
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Install the Dripshield

SUBTASK 25-11-21-420-011

(1) Install the insulation blanket (TASK 25-80-00-400-801).

SUBTASK 25-11-21-820-001

(2) Align the dripshield [38] in the correct position.

SUBTASK 25-11-21-420-014

(3) Install the bolts to attach the dripshield [38] to the structure.

SUBTASK 25-11-21-420-012

(4) Put the wires in the correct positions.

SUBTASK 25-11-21-410-001

(5) Install the wire supports and clips.

SUBTASK 25-11-21-410-002

(6) Install the support structure of the P5 overhead panel.

SUBTASK 25-11-21-410-003

(7) Install the overhead instrument modules.

SUBTASK 25-11-21-410-004

(8) Install the forward ceiling panel (TASK 25-11-21-400-801).

————— END OF TASK —————

TASK 25-11-21-700-801

6. Flight Compartment Sunvisor Adjustment and Test

(Figure 203)

A. General

(1) The sunvisor adjustment procedure will make sure that the force necessary to move the flight compartment sunvisors is correct.

B. Tools/Equipment

Reference	Description
STD-1397	Gauge - Force

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(Continued)

Reference	Description
STD-4787	Wrench - Allen, Hex, 9/64 inch

C. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Adjust the Sunvisor

SUBTASK 25-11-21-720-001

- (1) Adjust the force to turn the sunvisor around the perimeter of the sunvisor track.
 - (a) Put the sunvisor in the fully down position.
 - (b) Put the sunvisor lock release lever to the lock position.
 - (c) Use the 9/64 inch allen wrench, STD-4787 to adjust the brake tension screws.
 - (d) Adjust the two screws to the correct tension.
 - 1) Adjust the setscrew in 1/4 turn increments clockwise to loosen the tension
 - 2) Adjust the setscrew in 1/4 turn increments counterclockwise to tighten the tension
 - (e) Use a force gauge, STD-1397 to measure the force.
 - 1) Measure the force applied perpendicular to the vertical edge of the sunvisor plate to turn the sunvisor around the sunvisor track.
 - (f) Make sure that the force is between 0.8 lbf (3.6 N) to 1.2 lbf (5.3 N)

SUBTASK 25-11-21-720-002

- (2) Adjust the force to turn the sunvisor.
 - (a) Put the sunvisor in the fully down position.
 - (b) Put the sunvisor lock release lever to the lock position.
 - (c) Adjust the two screws to the correct tension.
 - 1) Adjust the screws in 1/4 turn increments clockwise to loosen the tension
 - 2) Adjust the screws in 1/4 turn increments counterclockwise to tighten the tension
 - (d) Use a force gauge, STD-1397 to measure the force.
 - (e) Make sure that the force is between 1.0 lbf (4.4 N) to 1.5 lbf (6.7 N).

SUBTASK 25-11-21-800-001

- (3) Make sure that the clamping block assembly operates correctly.
 - (a) Put the sunvisor lock release lever to the unlock position on the clamp block assembly.
 - (b) Make sure that the sunvisor slides smoothly along the sunvisor track.
 - (c) Put the sunvisor lock release lever in the locked position on the clamp block assembly.
 - (d) Make sure that the sunvisor cannot move on the sunvisor track.
 - (e) Replace the sunvisor.

NOTE: When the clamp block assembly is in the locked position and continues to move, the clamp assembly is worn and must be replaced.

———— **END OF TASK** ————

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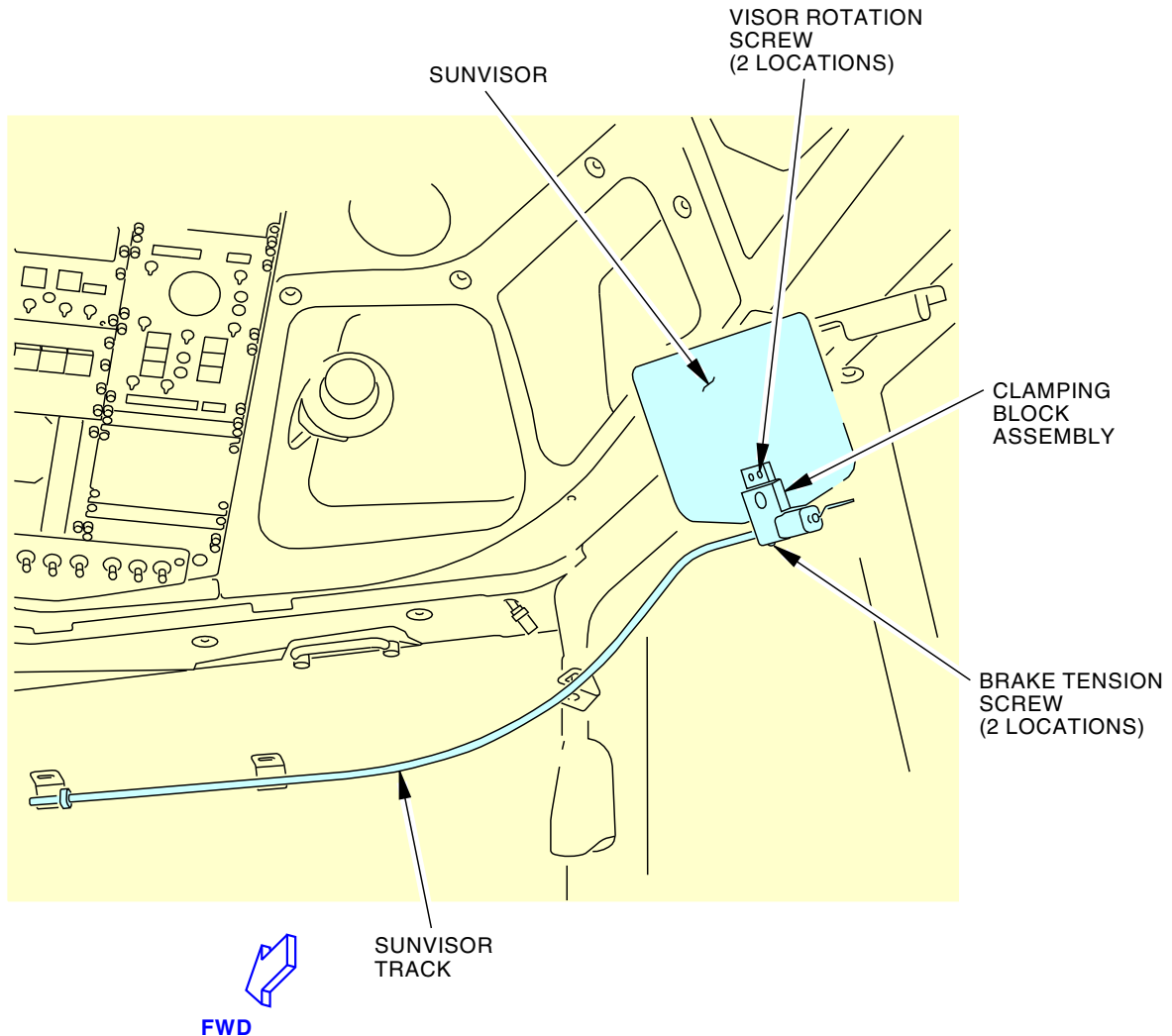
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SUNVISOR
(RIGHT SIDE IS SHOWN, LEFT SIDE IS ALMOST THE SAME)

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Sunvisor Adjustment and Test
Figure 203/25-11-21-990-805

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TASK 25-11-21-000-803

7. **Flight Compartment Aft Ceiling Panel Removal**

(Figure 204)

A. References

Reference	Title
21-51-00-800-801	Air Cycle Air Conditioning and Temperature Control System - Deactivation (P/B 201)

B. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

C. Prepare for the Flight Compartment Aft Ceiling Panel Removal

SUBTASK 25-11-21-040-001

- (1) Do this task: Air Cycle Air Conditioning and Temperature Control System - Deactivation, TASK 21-51-00-800-801.

D. Flight Compartment Aft Ceiling Panel Removal

SUBTASK 25-11-21-020-015

- (1) Do these steps to remove the panel assembly [24]:
- (a) Remove the screws [26] from the panel assembly [24].
 - (b) Disconnect the electrical connectors [22] from the cabin temperature sensor fan.
 - (c) Carefully remove the panel assembly [24] from the Velcro [25] and the seals [23].

————— **END OF TASK** —————

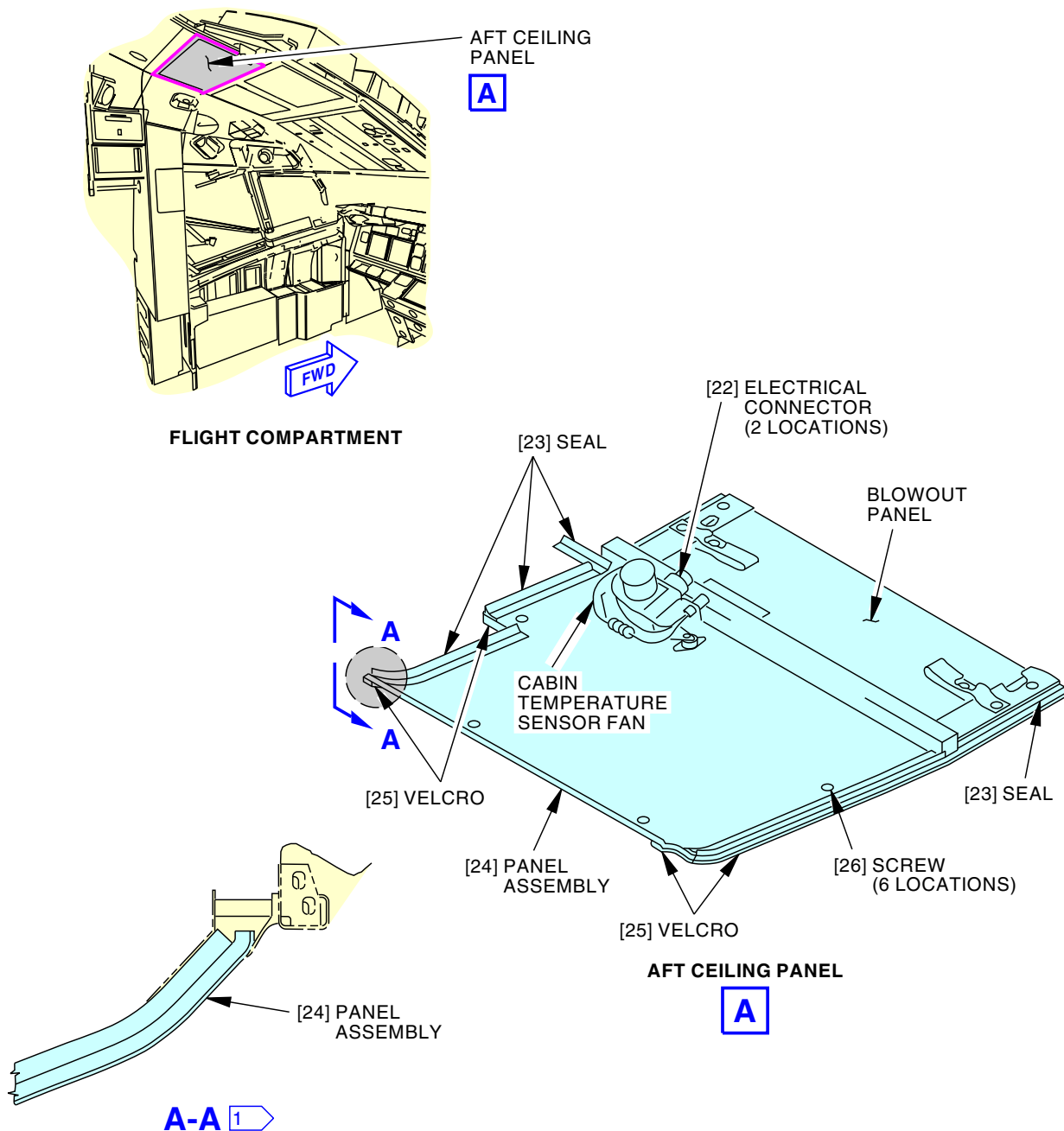
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NOTE:

- 1 MAKE SURE THAT THE DOOR HEADER SEAL IS INSTALLED ON THE BOTTOM SURFACE OF THE PANEL ASSEMBLY.

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Flight Compartment Aft Ceiling Panel Installation
Figure 204/25-11-21-990-804

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TASK 25-11-21-400-803

8. Flight Compartment Aft Ceiling Panel Installation

(Figure 204)

A. References

Reference	Title
21-51-00-800-802	Air Cycle Air Conditioning and Temperature Control System - Activation (P/B 201)

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
23	Seal	25-11-21-38-055	SIA ALL
		25-11-21-38-060	SIA ALL
		25-11-21-38-065	SIA ALL
		25-11-21-38-070	SIA ALL
24	Panel assembly	25-11-21-37-050	SIA ALL

C. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Flight Compartment Aft Ceiling Panel Installation

SUBTASK 25-11-21-420-013

- (1) Do these steps to install the panel assembly [24]:
 - (a) Connect the electrical connectors [22] to the cabin temperature sensor fan.
 - (b) Carefully align the panel assembly [24] between the seals [23] and the Velcro [25].
 - 1) Make sure that the door header seal is installed on the bottom surface of the panel assembly [24] (Section A-A, Figure 204).
 - (c) Install the screws [26] to attach the panel assembly [24] to the aft ceiling structure.

SUBTASK 25-11-21-440-001

- (2) Do this task: Air Cycle Air Conditioning and Temperature Control System - Activation, TASK 21-51-00-800-802.

————— END OF TASK —————

TASK 25-11-21-000-805

9. Roller Sunshade Removal

(Figure 205)

A. General

- (1) This procedure is for airplanes equipped with the roller sunshade installed on the No. 2 and No. 3 windows.

B. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

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C. Remove the Roller Shade

SUBTASK 25-11-21-860-005

- (1) Open these circuit breakers and install safety tags:

F/O Electrical System Panel, P6-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	9	C00219	PANEL & INSTR CB PANEL

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
B	8	C00394	WINDOW HEAT POWER RIGHT FRONT
B	9	C00392	WINDOW HEAT POWER LEFT SIDE
B	21	C00228	WINDOW HEAT POWER LEFT FRONT

SUBTASK 25-11-21-020-028

- (2) For the No. 3 window, remove the roller sunshade [27] from the window structure as follows:
- (a) Remove the four screws [37] that attach the electrical connector [36] to the sidewall panel [29].
 - (b) Remove the electrical connector [36].
 - (c) Remove the bolt [31], two screws [34], and washer [33] that attach the light [35] to the sidewall panel [29].
 - (d) Remove the six screws [30] that attach the sidewall panel [29] to the window structure.
 - (e) Remove the sidewall panel [29].
 - (f) Remove the two bolts [28] that attach the roller sunshade [27] to the window structure.
 - (g) Remove the roller sunshade [27].

SUBTASK 25-11-21-020-037

- (3) For the No. 2 window, remove the roller sunshade [40] as follows:
- (a) Remove the bolts [39] that attach the roller sunshade [40] to the window structure.
 - (b) Remove the roller sunshade [40].

————— END OF TASK —————

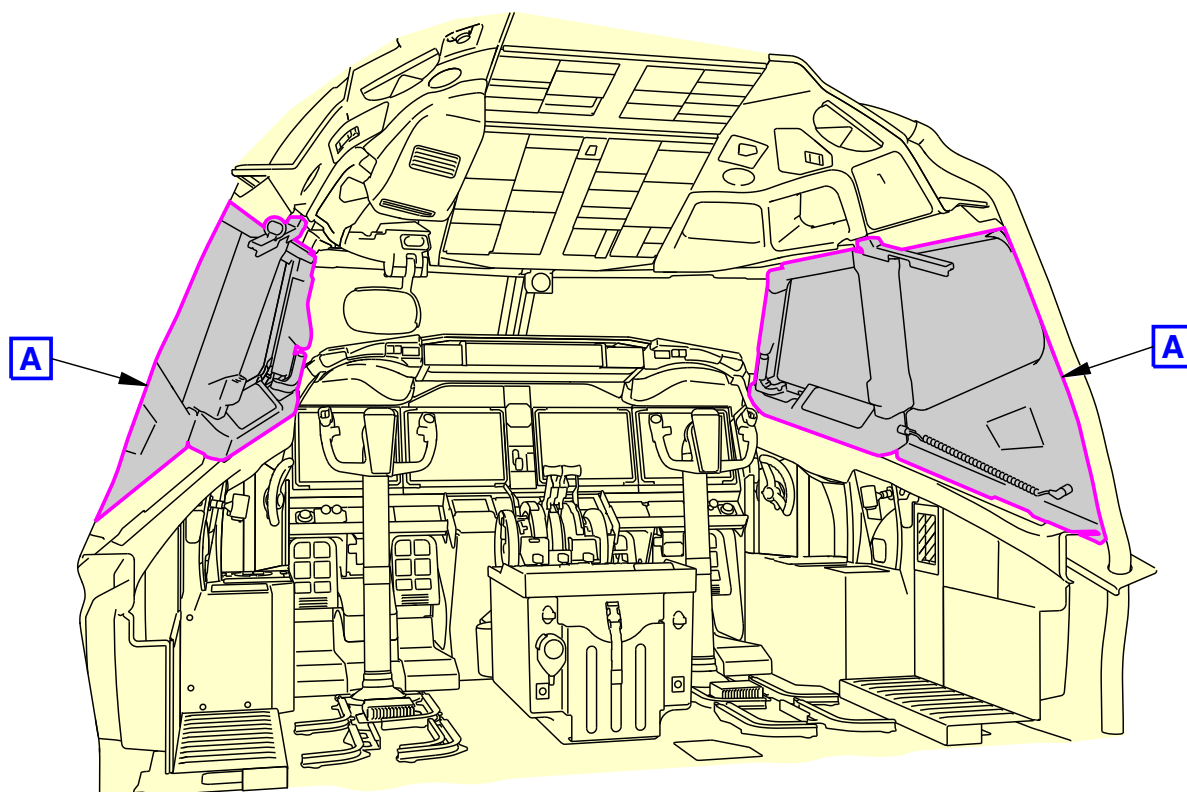
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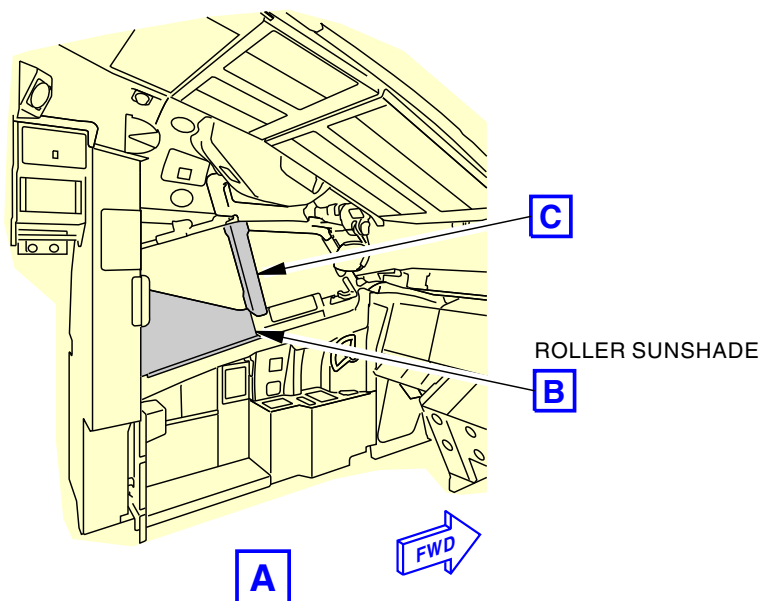
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FLIGHT COMPARTMENT



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Roller Sunshade Installation
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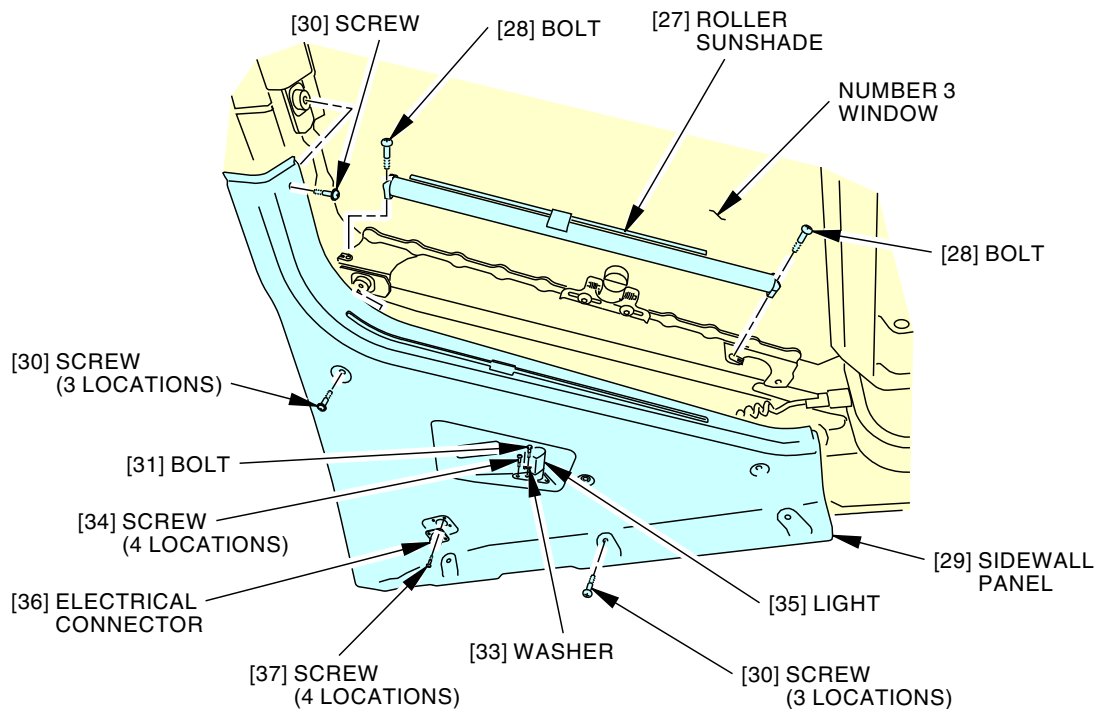
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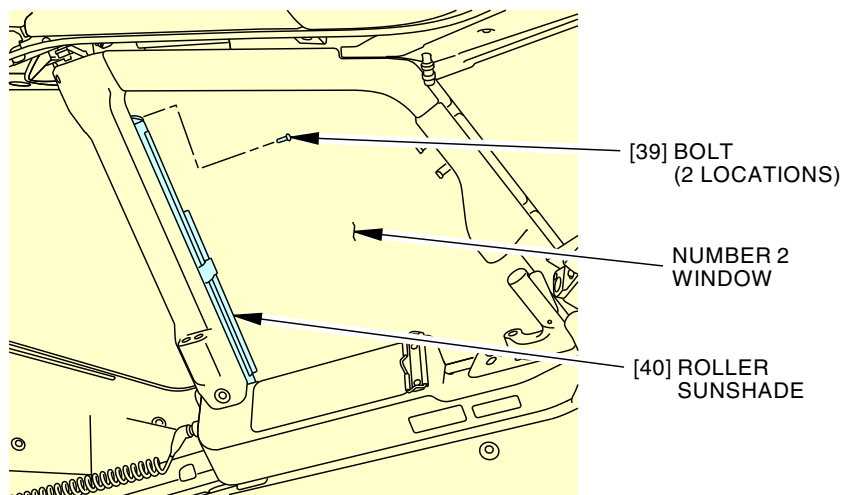
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ROLLER SUNSHADE
(EXAMPLE)

B



C



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Roller Sunshade Installation
Figure 205/25-11-21-990-808 (Sheet 2 of 2)

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TASK 25-11-21-400-805

10. Roller Sunshade Installation

(Figure 205)

A. General

- (1) This procedure is for airplanes equipped with the roller sunshade installed on the No. 2 and No. 3 windows.

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
27	Roller sunshade	25-11-00-10-030	SIA ALL
		25-11-00-10-035	SIA ALL
29	Sidewall panel	25-11-21-07A-105	SIA ALL
		25-11-21-08A-065	SIA ALL
40	Roller sunshade	25-11-00-10-010	SIA ALL
		25-11-00-10-015	SIA ALL

C. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Install the Roller Sunshade

SUBTASK 25-11-21-420-026

- (1) For the No. 3 window, install the roller sunshade [27] in the window structure as follows:
- (a) Align the roller sunshade [27] in the window structure.
 - (b) Install the two bolts [28] to attach the roller sunshade [27] to the window structure.
 - (c) Align the sidewall panel [29] on the window structure.
 - (d) Align the light [35] in the correct position.
 - (e) Install the bolt [31], two screws [34], and washer [33] to attach the light [35] to the sidewall panel [29].
 - (f) Align the electrical connector [36] in the correct position.
 - 1) Make sure that the receptacle connector keyway is aligned to the top, 12 o'clock position.
 - (g) Install the four screws [37] to attach the electrical connector [36] to the sidewall panel [29].
 - (h) Install the six screws [30] to attach the sidewall panel [29] to the window structure.

SUBTASK 25-11-21-420-037

- (2) For the No. 2 window, install the to the window structure as follows:
- (a) Align the roller sunshade [40] on the window structure.
 - (b) Install the bolts [39] to attach the roller sunshade [40] to the window structure.

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SUBTASK 25-11-21-860-004

- (3) Remove the safety tags and close these circuit breakers:

F/O Electrical System Panel, P6-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	9	C00219	PANEL & INSTR CB PANEL

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
B	8	C00394	WINDOW HEAT POWER RIGHT FRONT
B	9	C00392	WINDOW HEAT POWER LEFT SIDE
B	21	C00228	WINDOW HEAT POWER LEFT FRONT

SUBTASK 25-11-21-710-006

- (4) Do a test of the roller sunshade [27] and roller sunshade [40].
- (a) Make sure the roller sunshade [27] and roller sunshade [40] are operational.
 - (b) Make sure the light [35] comes on.

————— **END OF TASK** —————

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FLIGHT COMPARTMENT FORWARD SIDE PANELS - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Flight Compartment Forward Side Panel Removal
- (2) Flight Compartment Forward Side Panel Installation

TASK 25-11-22-000-801

2. Flight Compartment Forward Side Panel Removal

(Figure 401)

A. **General**

- (1) This procedure is for the removal and installation of the captain's and first officer's forward side panel.

B. **References**

Reference	Title
25-11-01-000-801	Captain and First Officer Seat Removal (P/B 401)
32-51-41-000-801	Nose Landing Gear Steering Control Wheel Removal (P/B 401)
33-17-00-960-801	Map Light - Lamp Replacement (P/B 201)
35-12-85-000-801	Oxygen Mask Stowage Box Removal (P/B 401)

C. **Location Zones**

Zone	Area
210	Subzone - Control Compartment - Body Station 178.00 to Body Station 259.50
211	Flight Compartment - Left
212	Flight Compartment - Right

D. **Prepare for the Removal**

SUBTASK 25-11-22-860-001

- (1) Open these circuit breakers and install safety tags:

F/O Electrical System Panel, P6-2

Row	Col	Number	Name
D	22	C00086	AUDIO F/O
D	23	C00083	AUDIO CAPT

F/O Electrical System Panel, P6-3

Row	Col	Number	Name
A	9	C00308	CONTROL CABIN LIGHTING MAP & KIT
B	9	C00331	PANEL & INSTR 28V PRI CAPT & CTR
B	10	C00335	PANEL & INSTR 28V PRI F/O
D	8	C00701	EMER PANEL LTG

SUBTASK 25-11-22-020-001

- (2) Remove the captain's or first officer's seat (TASK 25-11-01-000-801).

SUBTASK 25-11-22-020-002

- (3) Remove the oxygen mask stowage box (TASK 35-12-85-000-801).
 - (a) Remove the screw [15] through this access opening.

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E. Forward Side Panel Removal

SUBTASK 25-11-22-010-001

- (1) Remove the map holder to get access to the screws [16].

SUBTASK 25-11-22-010-002

- (2) Remove the screws that attach the glareshield lower cover assembly [1] to the flight control panel.

SUBTASK 25-11-22-020-003

- (3) Remove the quarter sill lining [3].

SUBTASK 25-11-22-020-004

- (4) Remove the raceway cover [5] and flight kit tiedown strap [4].
 - (a) Remove the screws [7] from the raceway cover [5] and flight kit tiedown strap [4].
 - (b) Remove the raceway cover [5] and flight kit tiedown strap [4].

SUBTASK 25-11-22-000-001

- (5) Remove the bracket [11] from the forward side panel [6] to the middle side panel [8].
 - (a) Remove the screw [9] and screw [10] from the bracket [11] assembly.
 - (b) Remove the bracket [11].

SUBTASK 25-11-22-020-005

- (6) Remove the utility light [22] (TASK 33-17-00-960-801).

NOTE: Slide the cord through the slot in the grommet and then the slot in the panel.

SUBTASK 25-11-22-000-002

- (7) Remove the nose landing gear steering wheel control wheel [2] (TASK 32-51-41-000-801).

SUBTASK 25-11-22-000-003

- (8) Remove the screws [13] from the tiller assembly access cover [12].

SUBTASK 25-11-22-000-004

- (9) Remove the screws [14] from the forward side panel [6].

SUBTASK 25-11-22-000-005

- (10) Remove the map light control module.

SUBTASK 25-11-22-020-006

- (11) Disconnect the hand microphone from the sidewall connector.

SUBTASK 25-11-22-020-007

- (12) Disconnect the electrical connector [17] from the oxygen light [18].

SUBTASK 25-11-22-020-008

- (13) Remove the screws [19] that attach the interphone jack [20] to the forward side panel [6].

SUBTASK 25-11-22-020-009

- (14) Disconnect the electrical connector [21].

SUBTASK 25-11-22-020-010

- (15) Examine the forward side panel [6] to make sure that all of the fasteners are removed.

SUBTASK 25-11-22-080-001

- (16) Carefully remove the forward side panel [6].
 - (a) Make sure that the forward side panel [6] does not hit or get caught on components.
 - 1) Hold the forward side panel [6] at the top forward corner then bend down and inboard to clear obstacles.

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- 2) Hold the forward side panel [6] at the rear bottom corner and pull inboard and then back.

————— **END OF TASK** —————

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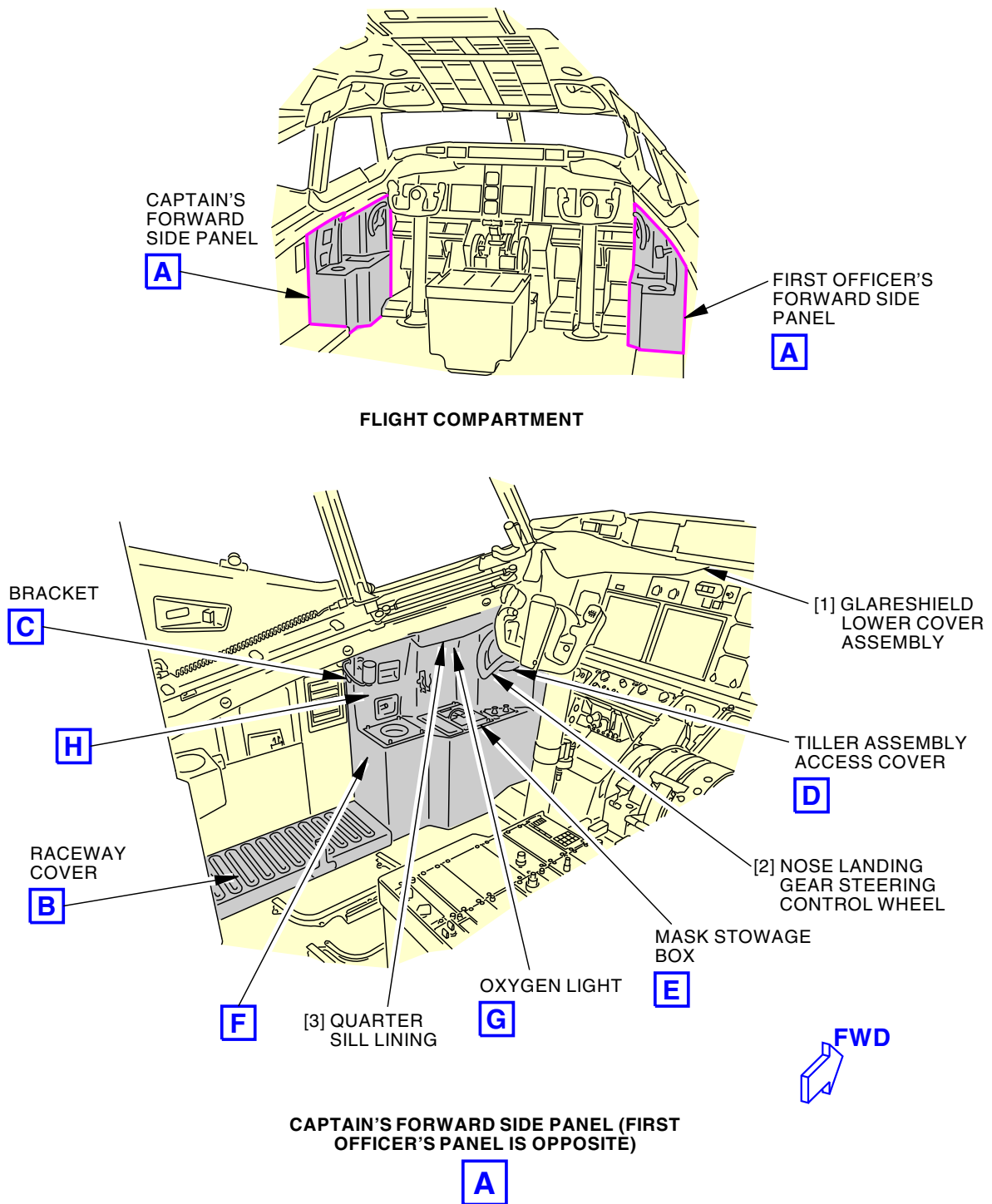
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Flight Compartment Forward Side Panels
Figure 401/25-11-22-990-802 (Sheet 1 of 4)

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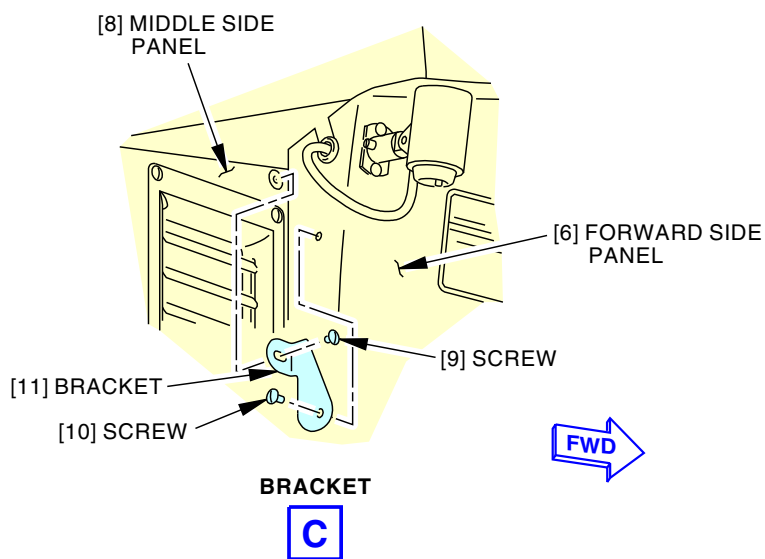
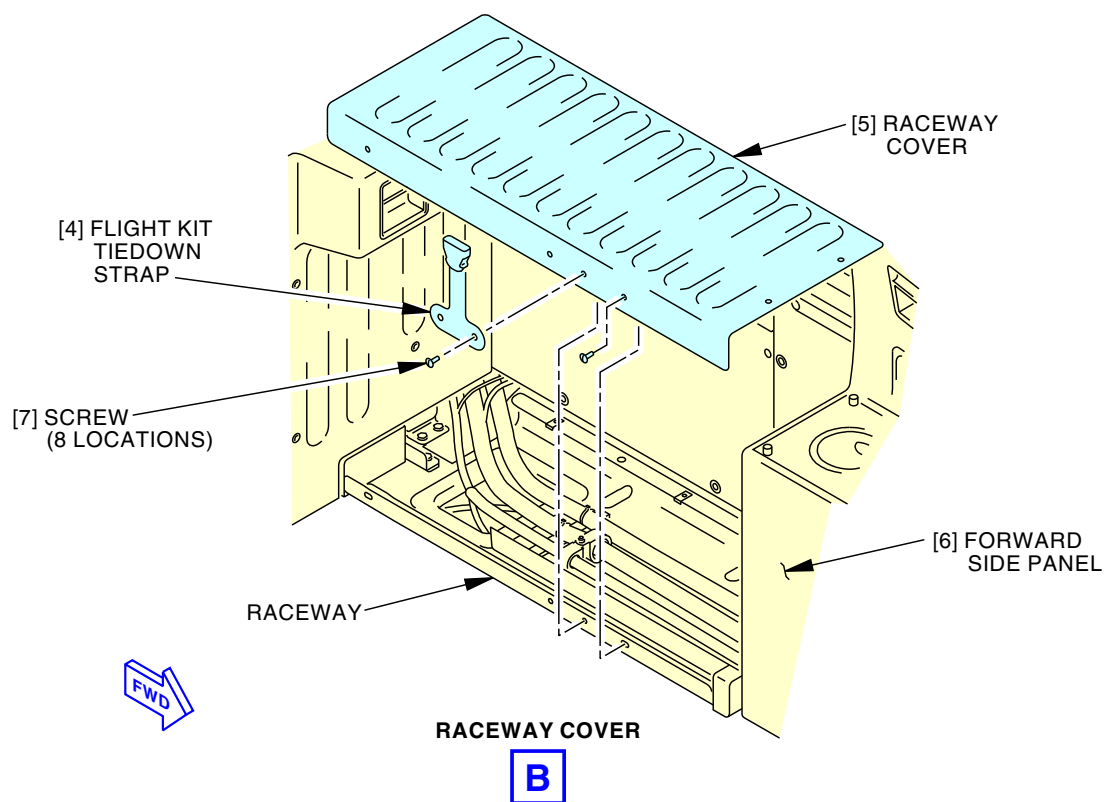
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Flight Compartment Forward Side Panels
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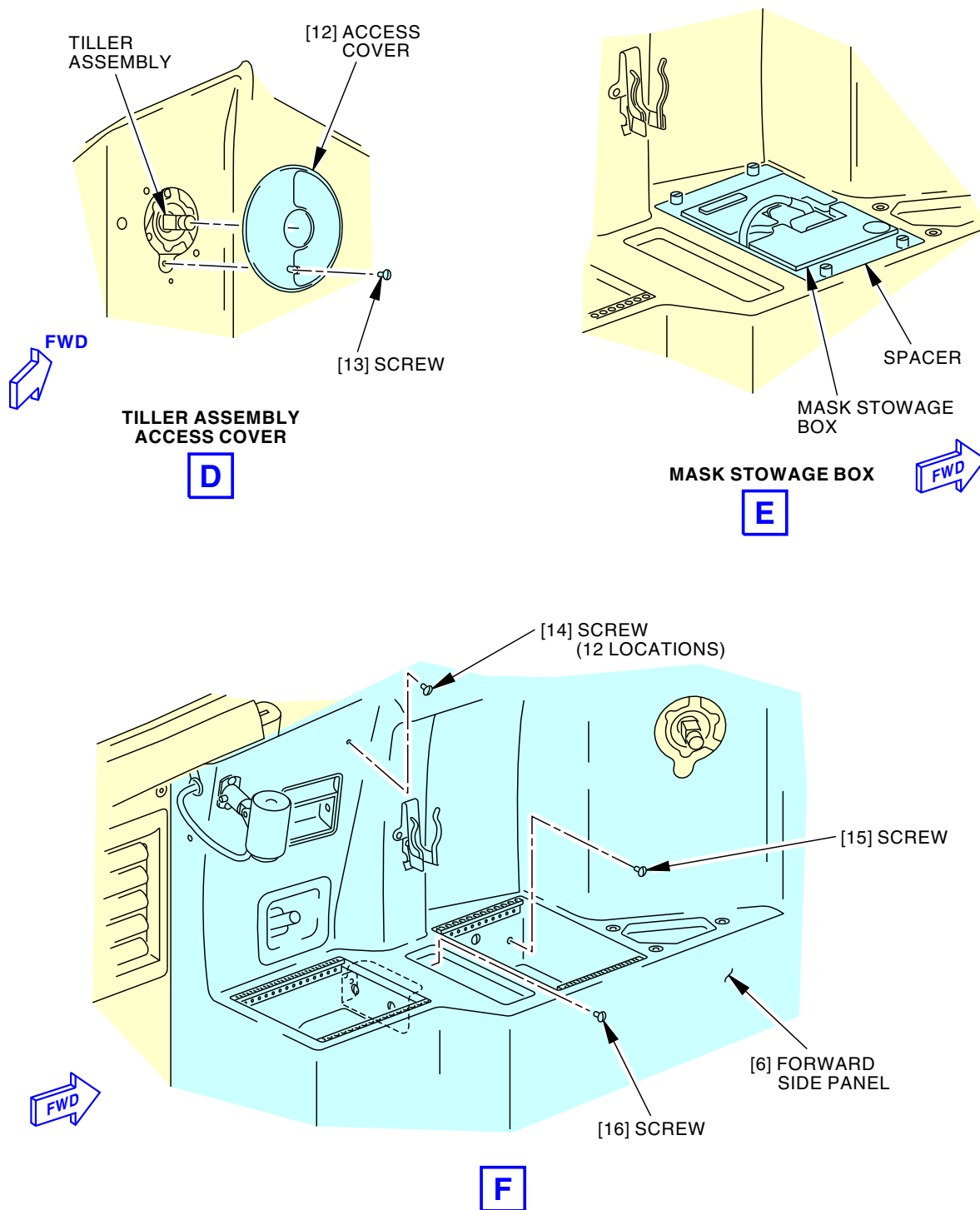
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Flight Compartment Forward Side Panels
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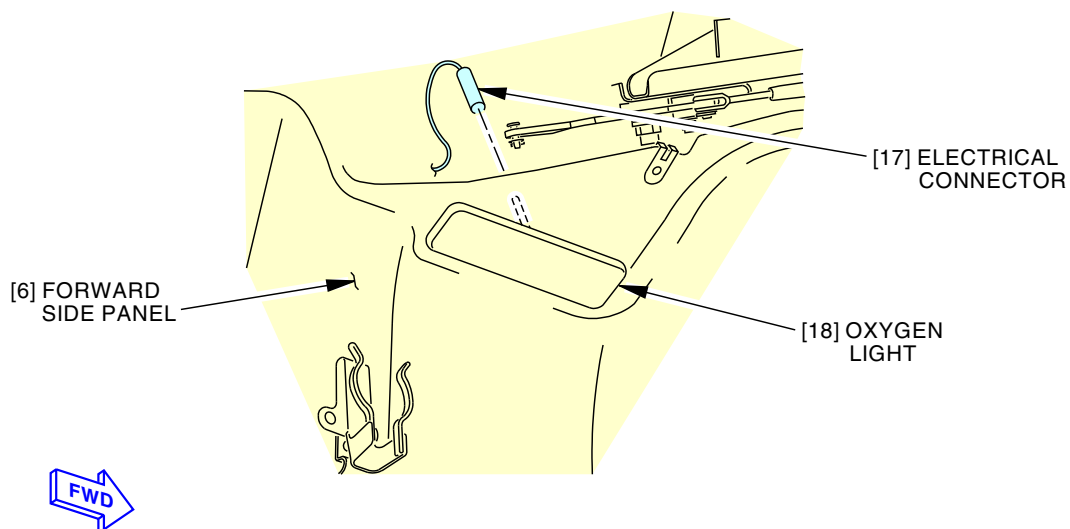
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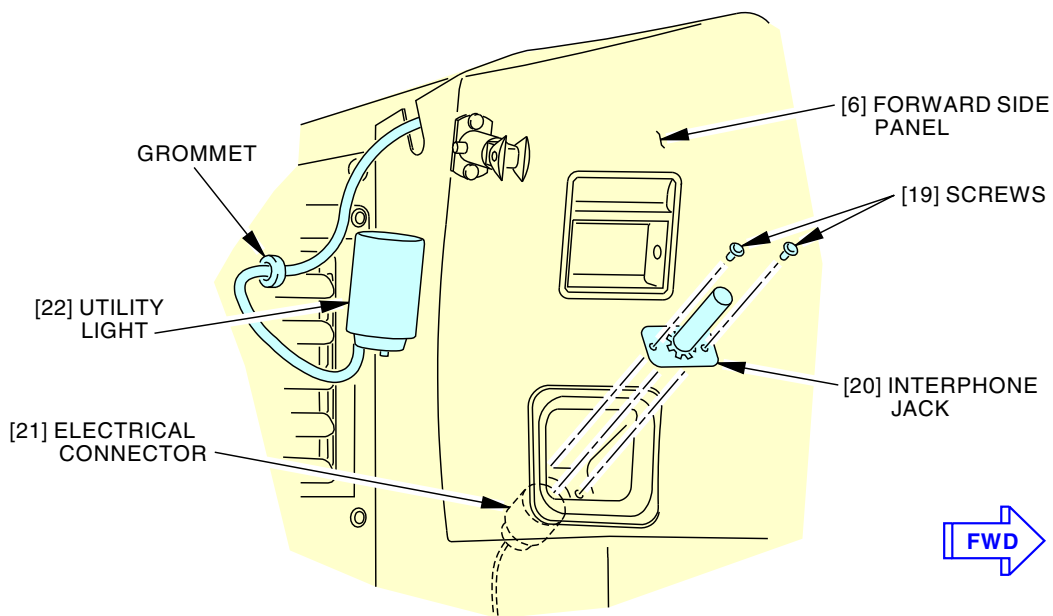
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OXYGEN LIGHT

G



UTILITY LIGHT AND INTERPHONE JACK

H

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Flight Compartment Forward Side Panels
Figure 401/25-11-22-990-802 (Sheet 4 of 4)

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TASK 25-11-22-400-801

3. **Flight Compartment Forward Side Panel Installation**

(Figure 401)

A. References

Reference	Title
23-51-00-710-801	Flight Interphone System Operational Test (P/B 501)
25-11-01-400-801	Captain and First Officer Seat Installation (P/B 401)
32-51-41-400-801	Nose Landing Gear Steering Control Wheel Installation (P/B 401)
35-12-00-700-802	Crew Oxygen Mask-Regulator Test (P/B 501)
35-12-85-400-801	Oxygen Mask Stowage Box Installation (P/B 401)

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
6	Forward side panel	25-11-22-01-320	SIA ALL
		25-11-22-01-325	SIA ALL
		25-11-22-01-330	SIA ALL
		25-11-22-01-335	SIA ALL

C. Location Zones

Zone	Area
210	Subzone - Control Compartment - Body Station 178.00 to Body Station 259.50
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Forward Side Panel Installation

SUBTASK 25-11-22-420-001

- (1) Align the forward side panel [6] in the correct position.
 - (a) Make sure that you can access the electrical connections.

SUBTASK 25-11-22-400-001

- (2) Connect the electrical connector for the map light control module.

SUBTASK 25-11-22-430-001

- (3) Install the screw [15].

SUBTASK 25-11-22-420-002

- (4) Connect the electrical connector to the interphone jack [20].

SUBTASK 25-11-22-420-003

- (5) Connect the electrical connector for the utility light [22].
 - (a) Slide the electrical cord through the slot in the panel then the slot in the grommet.

SUBTASK 25-11-22-420-004

- (6) Connect the electrical connector [17] to the oxygen light [18].

SUBTASK 25-11-22-420-006

- (7) Install the screw [9] and screw [10] to attach the bracket [11] to the forward side panel [6] and middle side panel [8].

SUBTASK 25-11-22-430-002

- (8) Install the screws [19] to attach the interphone jack [20] to the forward side panel [6].

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SUBTASK 25-11-22-420-007

- (9) Connect the electrical connector [17] for the oxygen light [18].

SUBTASK 25-11-22-420-008

- (10) Install the oxygen light [18].

SUBTASK 25-11-22-410-001

- (11) Install the forward side panel [6].



CAUTION

DO NOT LET THE PANEL CATCH ON THE STEERING CABLES. IF THE PANEL CATCHES ON THE STEERING CABLES, THE AIRPLANE WILL NOT TURN CORRECTLY. DAMAGE TO EQUIPMENT CAN OCCUR.

- (a) Make sure that the forward side panel [6] does not hit or get caught on components.
- 1) Hold the forward side panel [6] at the top forward corner then bend down and inboard to clear obstacles.
 - 2) Hold the forward side panel [6] at the rear bottom corner and pull inboard and then back.
- (b) Install screws [14] to attach the forward side panel [6] to the structure.
- (c) Install the screw [9] and screw [10] to attach the bracket [11] to the middle side panel [8] and forward side panel [6].

SUBTASK 25-11-22-430-003

- (12) Install the screw [13] to attach the access cover [12] to the tiller assembly.

SUBTASK 25-11-22-420-009

- (13) Make sure that the tiller assembly access cover [12] is installed correctly.

- (a) Install the nose landing gear steering control wheel, if applicable (TASK 32-51-41-400-801).

SUBTASK 25-11-22-410-003

- (14) Install the screws [7] and flight kit tiedown strap [4] to attach the raceway cover [5] to the forward side panel [6] raceway.

SUBTASK 25-11-22-410-004

- (15) Install the quarter sill lining [3].

SUBTASK 25-11-22-410-005

- (16) Install the screws to attach the glareshield lower cover assembly [1] to the structure.

SUBTASK 25-11-22-400-003

- (17) Install the screw [16] to attach the map holder to the forward side panel [6].

E. Put the Airplane Back to its Usual Condition

SUBTASK 25-11-22-410-007

- (1) Install the oxygen mask stowage box (TASK 35-12-85-400-801).

SUBTASK 25-11-22-410-006

- (2) Install the captain's or first officer's seat (TASK 25-11-01-400-801).

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SUBTASK 25-11-22-860-002

- (3) Remove the safety tags and close these circuit breakers:

F/O Electrical System Panel, P6-2

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	22	C00086	AUDIO F/O
D	23	C00083	AUDIO CAPT

F/O Electrical System Panel, P6-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	9	C00308	CONTROL CABIN LIGHTING MAP & KIT
B	9	C00331	PANEL & INSTR 28V PRI CAPT & CTR
B	10	C00335	PANEL & INSTR 28V PRI F/O
D	8	C00701	EMER PANEL LTG

F. Installation Test

SUBTASK 25-11-22-710-001

- (1) Do a test of the flight kit/reading light.
- (a) Put the light switch in the ON position.
 - (b) Make sure that the light comes on.
 - (c) Put the light switch to the OFF position.
 - (d) Make sure that the light goes off.

SUBTASK 25-11-22-710-002

- (2) Do a test of the map/chart light assembly at the P21 or P22 panel.
- (a) Put the map switch to the dim position.
 - (b) Make sure that the light goes dim.
 - (c) Put the light switch to the full bright position.
 - (d) Make sure that the light is bright.
 - (e) Put the map switch to the off position.
 - (f) Make sure that the map light goes off.

SUBTASK 25-11-22-710-004

- (3) Do an operational test of the crew oxygen mask (TASK 35-12-00-700-802).

SUBTASK 25-11-22-710-005

- (4) Do a test of the boom microphone (TASK 23-51-00-710-801).

————— **END OF TASK** —————

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CLOSEOUT SEAL - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) The removal of the closeout seal.
- (2) The installation of the closeout seal.
- (3) The reinstallation of the closeout seal if it has come out of the retainer.

TASK 25-21-01-000-801

2. Closeout Seal Removal

Figure 401

A. References

Reference	Title
25-00-00-100-801	Equipment/Furnishings - Cleaning (P/B 701)

B. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 60

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Procedure

SUBTASK 25-21-01-000-001

- (1) Remove the seal:
 - (a) Disengage the seal from the seal retainer.
 - (b) Remove the seal from the seal retainer.

SUBTASK 25-21-01-100-001

- (2) If necessary, clean the residue of adhesive, A00027 (TASK 25-00-00-100-801).

———— **END OF TASK** ————

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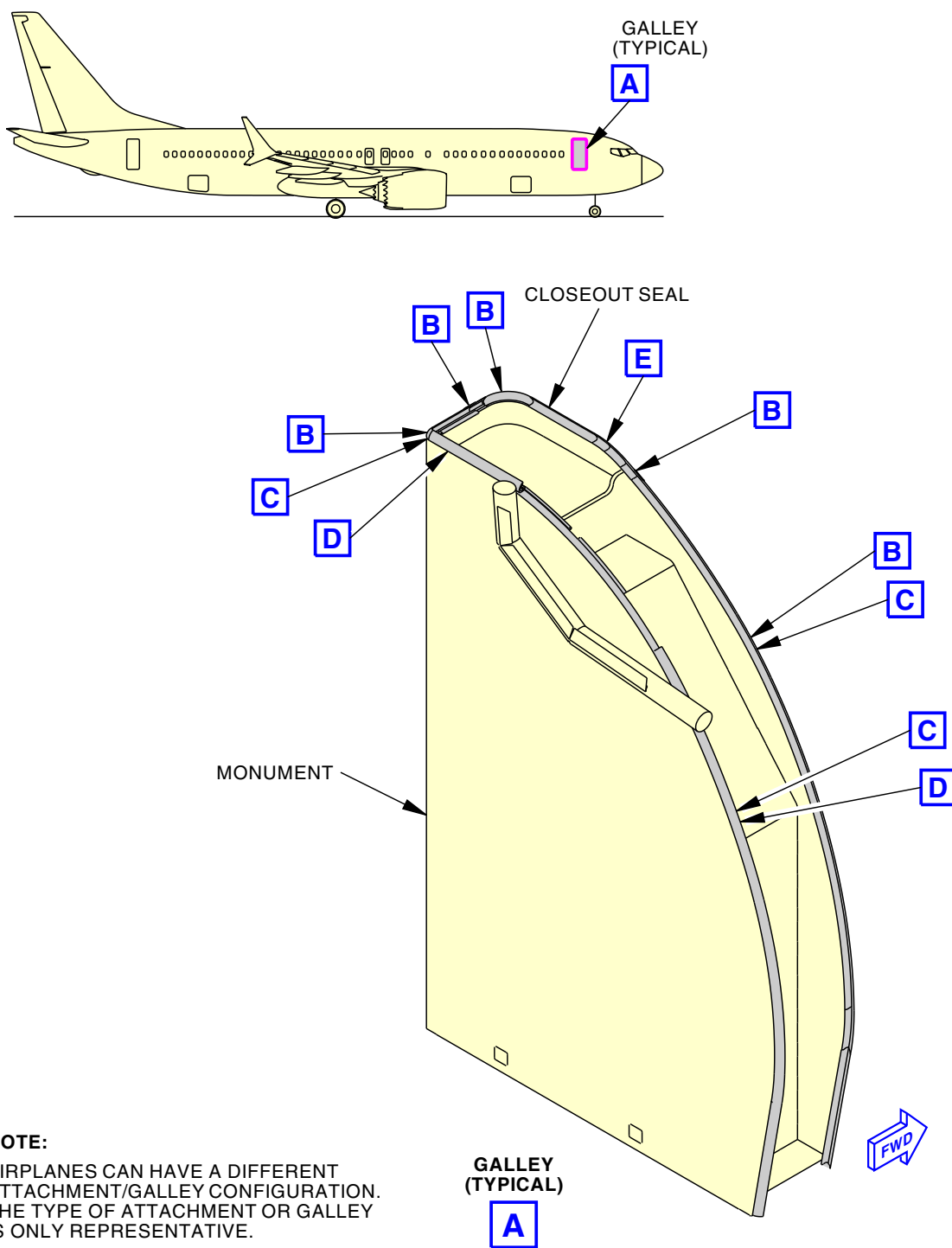
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Closeout Seal Installation
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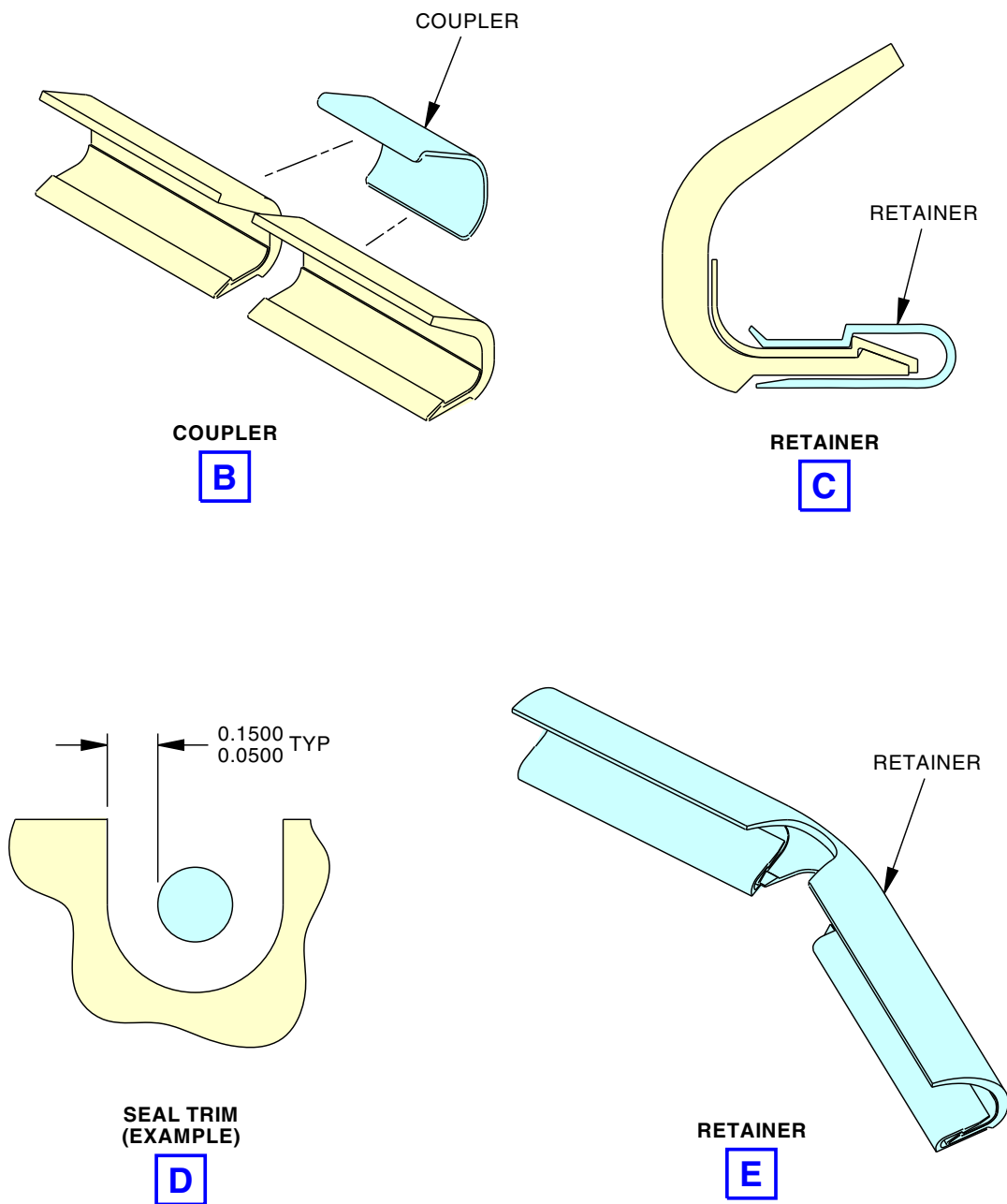
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Closeout Seal Installation
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TASK 25-21-01-400-801

3. Closeout Seal Installation

Figure 401

A. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 60

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-21-01-020-001

- (1) If applicable, remove the installed foam seal.
 - (a) Remove the remaining adhesive.

SUBTASK 25-21-01-400-001

- (2) Where two seals connect, do the steps that follow:
 - (a) Do not use adhesive.
 - (b) Cut the end off one seal until the coupler on the other seal overlaps it.
 - (c) Where a coupler is not available at the end of a seal, install a coupler.

NOTE: The coupler dimensions must agree with the largest mating seal.

SUBTASK 25-21-01-420-001

- (3) Push the seal locking device into the installed retainer until the locking device engages.
 - (a) Push the seal tightly until a click is heard or you can feel it snapping into the retainer.
 - (b) Do not use adhesive.

SUBTASK 25-21-01-420-002

- (4) Apply adhesive, A00027 to fill spaces that stay after all other seals are installed.

SUBTASK 25-21-01-350-001

- (5) Trim the seal to fit.

SUBTASK 25-21-01-420-003

- (6) Bond one side of the seal and push the pointed end into the gap until only the decorative endcap can be seen.

SUBTASK 25-21-01-020-002

- (7) Where the seal turns a corner:
 - (a) Remove the non-decorative cross section if necessary to install the seal.

SUBTASK 25-21-01-020-003

- (8) Trim the seal to fit the installation space.

SUBTASK 25-21-01-020-004

- (9) If there is interference between the seal and wires or support structure:
 - (a) Trim the seal to remove the interference.

NOTE: Do not trim the seal so far that the relief can be seen in the cabin interior.

————— END OF TASK —————

EFFECTIVITY
SIA ALL

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TASK 25-21-01-400-802

4. Closeout Seal Reinstallation

Figure 401

A. Consumable Materials

Reference	Description	Specification
A50055	Adhesive - Two-Part, RT Cure, Urethane	BAC5010 Type 89 (BMS5-105)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-21-01-210-001

- (1) Make sure that the retainer is not damaged or missing.

SUBTASK 25-21-01-420-004

- (2) Install the seal:
- (a) Push the seal locking device into the installed retainer until the locking device engages.
 - 1) Push the seal tightly until a click is heard or you can feel it snapping into the retainer.
 - 2) Do not use adhesive.
 - (b) If necessary, add some urethane adhesive, A50055 to some locations to help with the seal staying in its position.

NOTE: During removal, this can cause damage to the seal or retainer. This is optional if the seal only needs to be removed at high time/cycle intervals.

————— END OF TASK —————

EFFECTIVITY
SIA ALL

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WINDOW SHADE AND REVEAL ASSEMBLY - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Snap in window shade and reveal assembly removal
- (2) Snap in window shade and reveal assembly installation
- (3) Emergency exit door snap in window shade and reveal assembly removal
- (4) Emergency exit door snap in window shade and reveal assembly installation.

TASK 25-21-12-000-801

2. Snap In Window Shade and Reveal Assembly Removal

(Figure 401)

A. **General**

- (1) This task gives the instructions to remove the window shade and reveal assembly, or to remove only the window shade.

B. **Tools/Equipment**

Reference	Description
STD-1178	Skin Wedge - a commercially available hand tool or made from a 1 1/2 inch putty knife with rounded corners and between 0.020 and 0.035 inches thick.

C. **Location Zones**

Zone	Area
200	Upper Half of Fuselage

D. **Snap In Window Shade and Reveal Assembly Removal**

SUBTASK 25-21-12-010-007

- (1) Move the shade to the closed position.

SUBTASK 25-21-12-000-001

- (2) To remove the window shade and reveal assembly [1], do these steps:

- (a) Disengage the lower reveal tabs from the sidewall panel.

- 1) Put the skin wedge, STD-1178, between the sidewall panel and one of the two lower window reveal tabs.

NOTE: The skin wedge, STD-1178, must be placed on one at a time, on top of the 6 reveal tabs to release the window reveal.

- 2) Push the sidewall panel outboard with the skin wedge, STD-1178.

- 3) At the same time, carefully and quickly push the skin wedge, STD-1178, handle in the direction to the center of the window.

- 4) Disengage the other lower reveal tab by the same way.

- (b) Disengage the lower lateral reveal tabs from the sidewall panel.

- 1) Put the skin wedge, STD-1178, between the sidewall panel and one of the two lower lateral window reveal tabs.

- 2) Push the sidewall panel outboard with the skin wedge, STD-1178.

- 3) At the same time, carefully and quickly push the skin wedge, STD-1178, handle in the direction to the center of the window.

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- 4) Disengage the other lower lateral reveal tab by the same way.
- (c) Disengage the upper lateral reveal tabs from the sidewall panel.
 - 1) Put the skin wedge, STD-1178, between the sidewall panel and one of the two upper lateral window reveal tabs.
 - 2) Push the sidewall panel outboard with the skin wedge, STD-1178.
 - 3) At the same time, carefully and quickly push the skin wedge, STD-1178, handle in the direction to the center of the window.
 - 4) Disengage the other upper lateral reveal tab by the same way.
- (d) Disengage the top reveal tabs from the sidewall panel.
 - 1) Pull up the shade to make a space to remove window reveal from the window opening.
 - 2) Carefully shake the window reveal free and remove it.

SUBTASK 25-21-12-020-007

- (3) If it is necessary to remove the window inner pane, do these steps:
 - (a) Carefully spread apart the upper lips of the inner pane tracks on the window reveal.

NOTE: This will prevent sliding contact damage to the window inner pane.
 - (b) Slide the window inner pane out from the window reveal.

———— **END OF TASK** ————

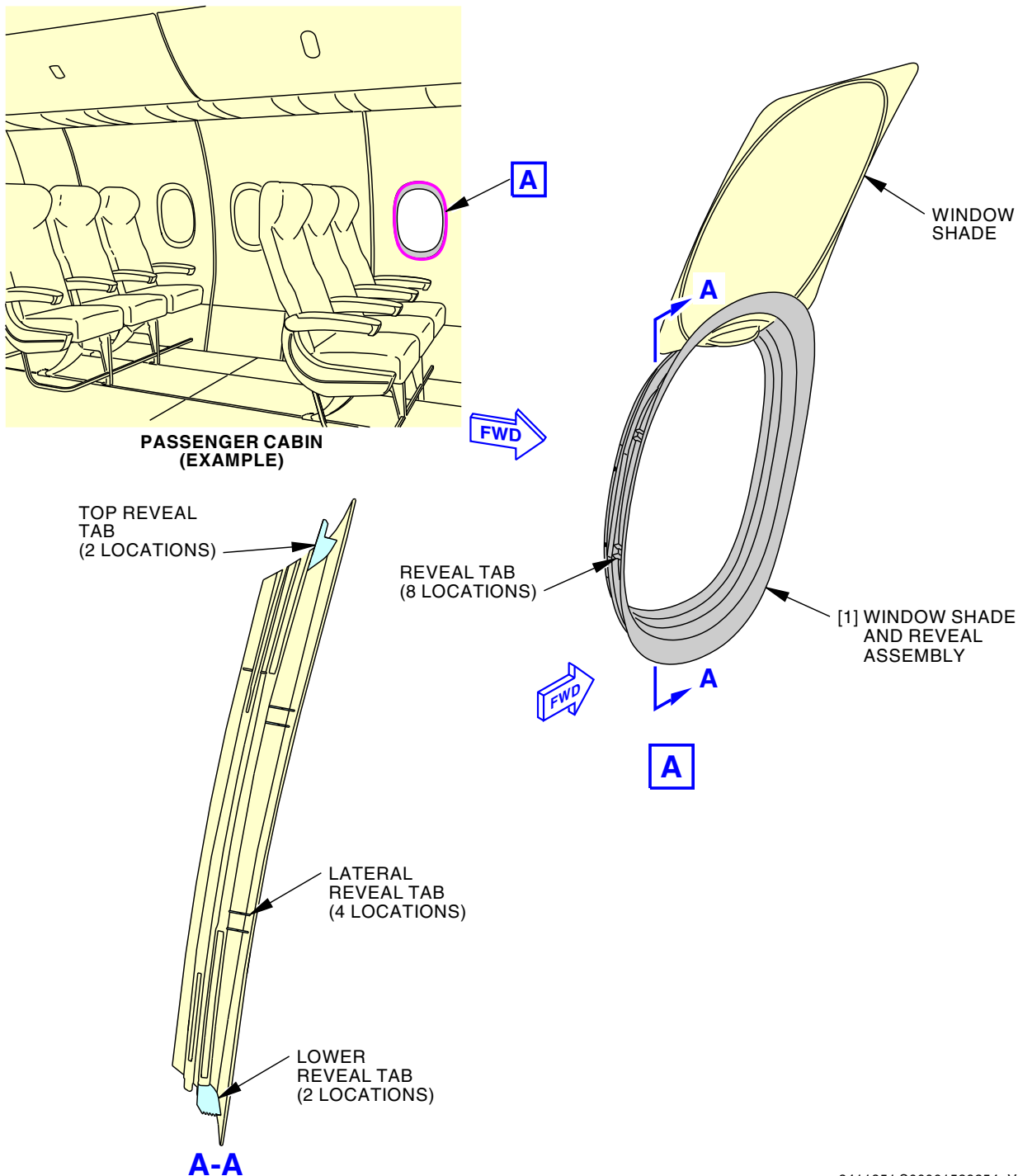
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2411851 S00061529254_V3

Snap In Window Shade and Reveal Assembly Installation
Figure 401/25-21-12-990-802

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TASK 25-21-12-400-802

3. **Snap In Window Shade and Reveal Assembly Installation**

(Figure 401)

A. General

- (1) This task gives the instructions to install the window shade and reveal assembly.

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Window shade and reveal assembly	25-21-12-34B-005	SIA 001-003
		25-21-12-34B-010	SIA 001-003
		25-21-12-34C-005	SIA ALL
		25-21-12-34C-010	SIA ALL

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Snap In Window Shade and Reveal Assembly Installation

SUBTASK 25-21-12-420-002

- (1) If it is necessary, do these steps to install the window inner pane:

NOTE: No special tools are necessary for installation.

- (a) Carefully spread apart the upper lips of the inner pane tracks on the window reveal.
- (b) Put the window inner pane into the window reveal.

SUBTASK 25-21-12-400-001

- (2) To install the window shade and reveal assembly [1], do these steps:

- (a) Put the window reveal into the window opening.
- (b) The top of the shade will guide itself into the shade sheath.
- (c) Engage the two top reveal tabs.
- (d) Push the two upper lateral tabs outboard one at a time to engage the window reveal tabs.
- (e) The tabs must move past the window opening.
- (f) Push the lower lateral reveal tab outboard one at a time to engage the window reveal tabs.
- (g) The tab must move past the window opening.
- (h) Pull up the shade to make a space to install the two lower reveal tabs.
- (i) Push on the bottom of the window reveal until the two lower tabs are fully engaged against the sidewall window panel.
NOTE: When installed correctly, the bottom of the window reveal will fit tightly against the sidewall panel.
- (j) Push the reveal outboard and away from the window center.
- (k) Pull down on the bottom of the window reveal to make sure that all of the tabs are fully engaged.
- (l) Move the window shade up and down to make sure that the shade operates smoothly.

————— **END OF TASK** —————

EFFECTIVITY
SIA ALL

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TASK 25-21-12-000-803

4. **Emergency Exit Door Snap In Window Shade and Reveal Assembly Removal**

(Figure 402)

A. General

- (1) This task gives the instructions to remove the window shade and reveal assembly, or to remove only the window shade.

B. References

Reference	Title
52-22-51-000-801	Emergency Exit Door Lining Removal (P/B 401)

C. Tools/Equipment

Reference	Description
STD-1178	Skin Wedge - a commercially available hand tool or made from a 1 1/2 inch putty knife with rounded corners and between 0.020 and 0.035 inches thick.

D. Location Zones

Zone	Area
200	Upper Half of Fuselage
832	Left Forward Emergency Exit
833	Left Emergency Exit (STA 627.5)
842	Right Forward Emergency Exit
843	Right Emergency Exit (STA 627.5)

E. Emergency Exit Door Snap In Window Shade and Reveal Assembly Removal

SUBTASK 25-21-12-010-006

- (1) Do this task: Emergency Exit Door Lining Removal, TASK 52-22-51-000-801.

SUBTASK 25-21-12-010-008

- (2) Move the shade to the closed position.

SUBTASK 25-21-12-000-003

- (3) To remove the window shade and reveal assembly [2], do these steps:
 - (a) Disengage the upper reveal tabs from the sidewall panel.
 - 1) Put the skin wedge, STD-1178, between the sidewall panel and one of the two upper window reveal tabs.
NOTE: The skin wedge, STD-1178, must be placed on one at a time, on top of the 6 reveal tabs to release the window reveal.
 - 2) Push the sidewall panel outboard with the skin wedge, STD-1178.
 - 3) At the same time, carefully and quickly push the skin wedge, STD-1178, handle in the direction to the center of the window.
 - 4) Disengage the other upper reveal tab by the same way.
 - (b) Disengage the upper lateral reveal tabs from the sidewall panel.
 - 1) Put the skin wedge, STD-1178, between the sidewall panel and one of the two upper lateral window reveal tabs.
 - 2) Push the sidewall panel outboard with the skin wedge, STD-1178.
 - 3) At the same time, carefully and quickly push the skin wedge, STD-1178, handle in the direction to the center of the window.

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- 4) Disengage the other upper lateral reveal tab by the same way.
- (c) Disengage the lower lateral reveal tabs from the sidewall panel.
 - 1) Put the skin wedge, STD-1178, between the sidewall panel and one of the two lower lateral window reveal tabs.
 - 2) Push the sidewall panel outboard with the skin wedge, STD-1178.
 - 3) At the same time, carefully and quickly push the skin wedge, STD-1178, handle in the direction to the center of the window.
 - 4) Disengage the other lower lateral reveal tab by the same way.
- (d) Disengage the lower reveal tabs from the sidewall panel.
 - 1) Pull down the shade to make space to remove window reveal from the window opening.
 - 2) Carefully shake the window reveal free and remove it.

———— **END OF TASK** ————

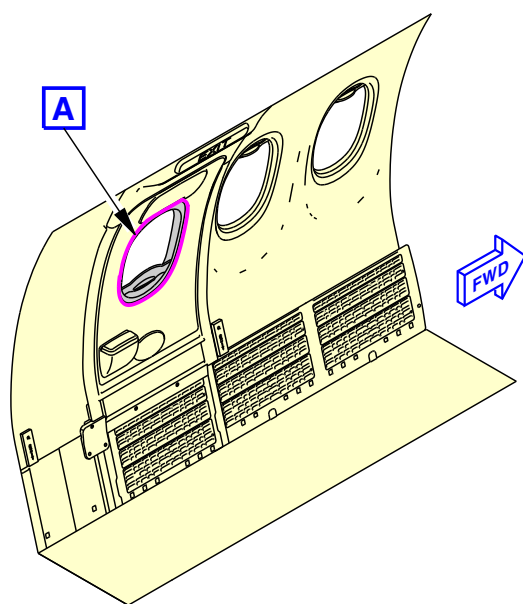
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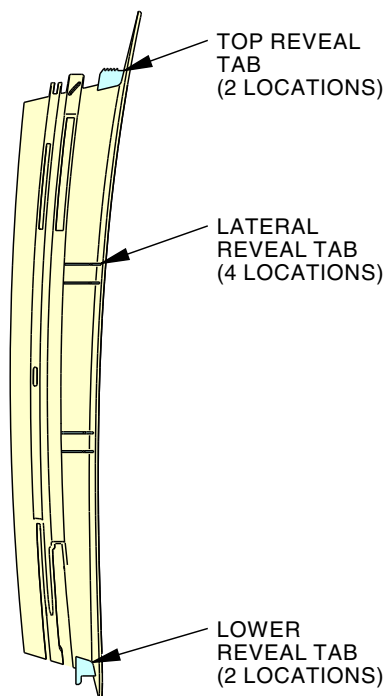
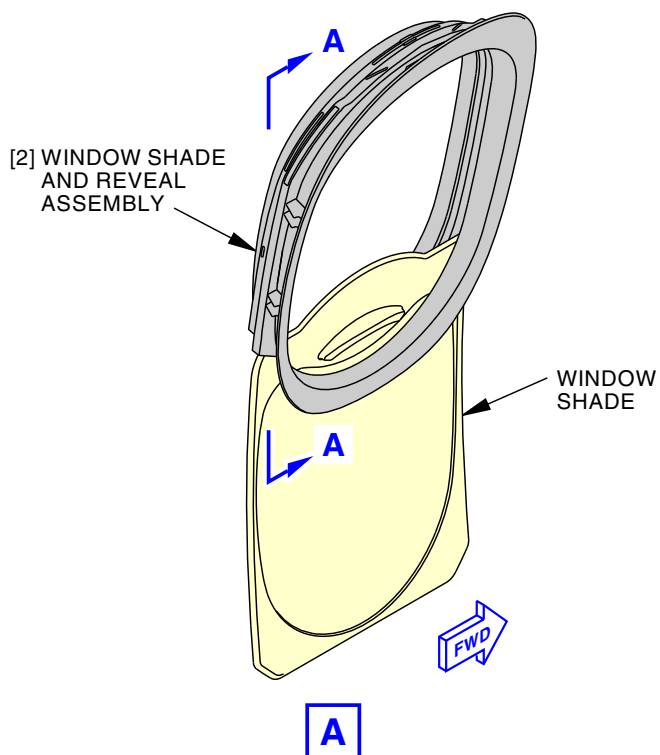
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EMERGENCY EXIT DOOR
(EXAMPLE)



A-A

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Emergency Exit Door Snap In Window Shade and Reveal Assembly Installation
Figure 402/25-21-12-990-804

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TASK 25-21-12-400-804

5. **Emergency Exit Door Snap In Window Shade and Reveal Assembly Installation**

(Figure 402)

A. General

- (1) This task gives the instructions to install the window shade and reveal assembly.

B. References

Reference	Title
52-22-51-400-801	Emergency Exit Door Lining Installation (P/B 401)

C. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
2	Window shade and reveal assembly	25-21-12-05-005	SIA ALL
		25-21-12-05-010	SIA ALL

D. Location Zones

Zone	Area
200	Upper Half of Fuselage
832	Left Forward Emergency Exit
833	Left Emergency Exit (STA 627.5)
842	Right Forward Emergency Exit
843	Right Emergency Exit (STA 627.5)

E. Emergency Exit Door Snap In Window Shade and Reveal Assembly Installation

SUBTASK 25-21-12-400-002

NOTE: No special tools are necessary for installation.

- (1) To install the window shade and reveal assembly [2], do these steps:
- (a) Put the window reveal into the window opening.
 - (b) The bottom of the shade will guide itself into the shade sheath.
 - (c) Engage the two lower reveal tabs.
 - (d) Push the two lower lateral tabs outboard one at a time to engage the window reveal tabs.
 - (e) The tabs must move past the window opening.
 - (f) Push the two upper lateral tab outboard one at a time to engage the window reveal tabs.
 - (g) The tab must move past the window opening.
 - (h) Pull down the shade to make space to install the two lower reveal tabs.
 - (i) Push on the top of the window reveal outboard until the two upper tabs are fully engaged against the sidewall window panel.
NOTE: When installed correctly, the top of the window reveal will fit tightly against the sidewall panel.
 - (j) Push the reveal outboard and away from the window center.
 - (k) Pull up on the top of the window reveal to make sure that all of the tabs are fully engaged.
 - (l) Move the window shade up and down to make sure that the shade operates smoothly.

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SUBTASK 25-21-12-410-001

(2) Do this task: Emergency Exit Door Lining Installation, TASK 52-22-51-400-801.

———— **END OF TASK** ————

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EMERGENCY EXIT DOORWAY LINING - REMOVAL/INSTALLATION

1. General

- A. This procedure has these tasks:
- (1) Emergency Exit Doorway Lining Removal
 - (2) Emergency Exit Doorway Lining Installation

TASK 25-21-20-000-801

2. Emergency Exit Doorway Lining Removal

(Figure 401)

A. General

- (1) This task includes the steps to remove the emergency exit doorway linings from the passenger compartment.

B. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right
832	Left Forward Emergency Exit
833	Left Emergency Exit (STA 627.5)
842	Right Forward Emergency Exit
843	Right Emergency Exit (STA 627.5)

C. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

D. Prepare for the Removal

SUBTASK 25-21-20-860-001

- (1) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT

SUBTASK 25-21-20-010-006

- (2) To get access to the P91 and P92 panels, open this access panel:

Number	Name/Location
117A	Electronic Equipment Access Door

SUBTASK 25-21-20-860-009



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (3) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	9	C01280	DOOR AREA HTR-FWD

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	11	C00594	WINDOW LIGHT RIGHT
E	12	C00776	WINDOW LIGHT LEFT

SUBTASK 25-21-20-010-001



MAKE SURE THAT THE DOOR OPENING PATH IS CLEAR BEFORE YOU RELEASE THE DOOR HANDLE. THE DOOR IS SPRING-LOADED TO OPEN AUTOMATICALLY AND CAN CAUSE INJURY TO PERSONNEL OR DAMAGE TO EQUIPMENT.

- (4) Open the emergency exit door.

E. Emergency Exit Doorway Lining Removal

SUBTASK 25-21-20-010-002

- (1) Remove the seat intrusion control blocks.
 - (a) Remove the screws [3].
 - (b) Remove the block [8].
 - (c) Remove the screw [4].
 - (d) Remove the block [6] with the screws [5] and washers [7].

SUBTASK 25-21-20-020-001

- (2) Remove the closeout lining assembly [1].
 - (a) Pull the closeout lining assembly [1] up and inboard.
 - (b) Remove the screws [12] and washers [13].
 - (c) Disconnect the heater blanket electrical lead [11].
 - (d) Remove the closeout lining assembly [1].
 - (e) If necessary, remove the block assembly [10].

SUBTASK 25-21-20-020-002

- (3) Remove the trim strip assembly [14] and the trim strip assembly [15].

NOTE: The trim strip assembly [14] is opposite the trim strip assembly [15]. Use the same procedure to remove the trim strip assemblies.

- (a) Remove the screw [18] and dimpled washer [19].
- (b) Remove the nuts [16] and washers [17].

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- (c) Disconnect the electrical wiring for the heater blanket.
- (d) Remove the trim strip assembly [15] and trim strip assembly [14].
- (e) Remove the washers [20].

SUBTASK 25-21-20-020-003

- (4) Remove the upper lining assembly [2].
 - (a) Disengage the zipper [21] that attaches the seal on the upper lining assembly [2] to the moisture control seal.
 - (b) Remove the screws [22] and washers [23].
 - (c) Disconnect the electrical wiring for the emergency exit light.
 - (d) Remove the upper lining assembly [2].

———— **END OF TASK** ————

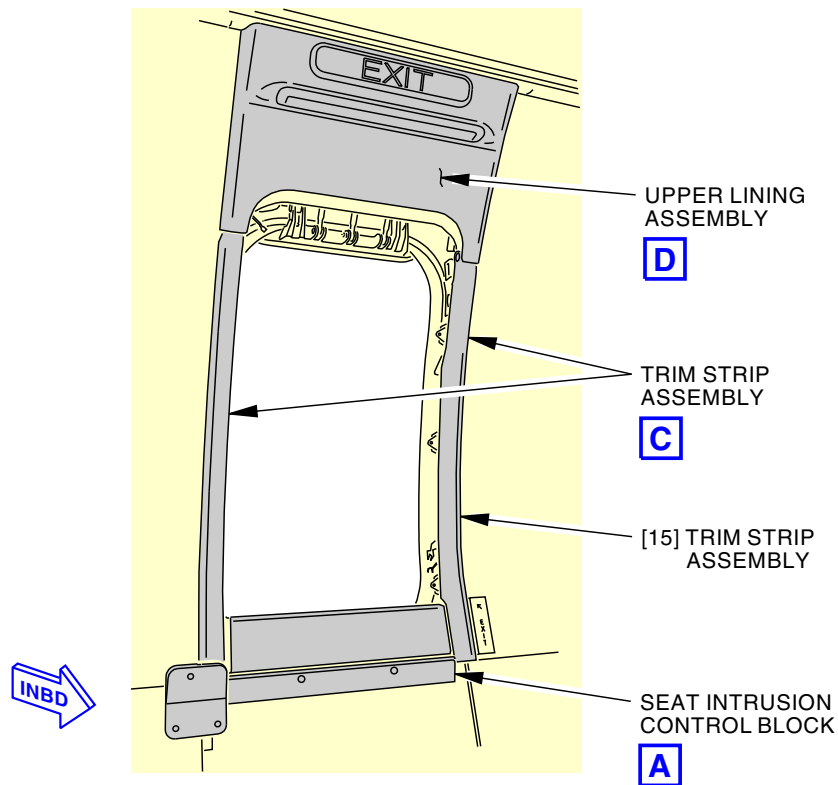
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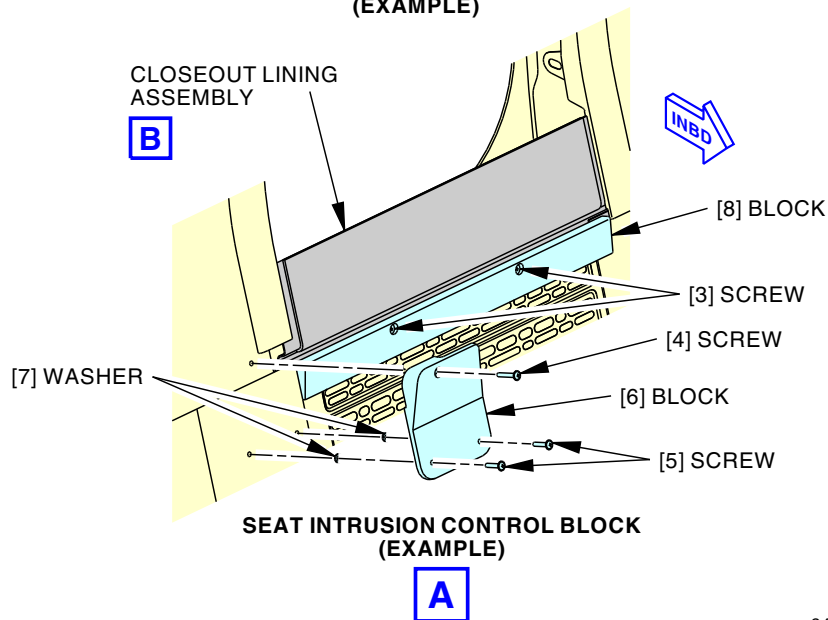
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EMERGENCY EXIT DOOR
(EXAMPLE)



SEAT INTRUSION CONTROL BLOCK
(EXAMPLE)

2411853 S00061529265_V2

Emergency Exit Doorway Lining Installation
Figure 401/25-21-20-990-802 (Sheet 1 of 3)

EFFECTIVITY
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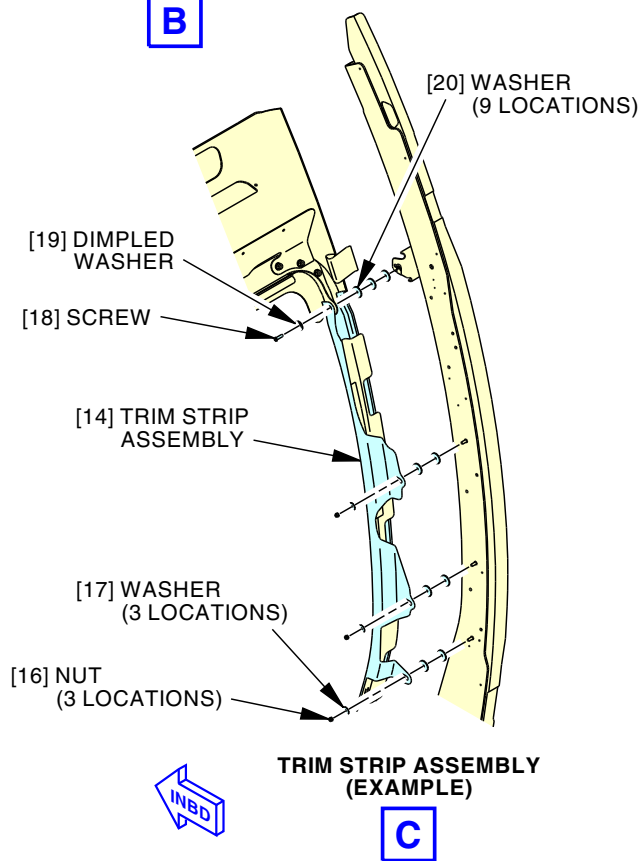
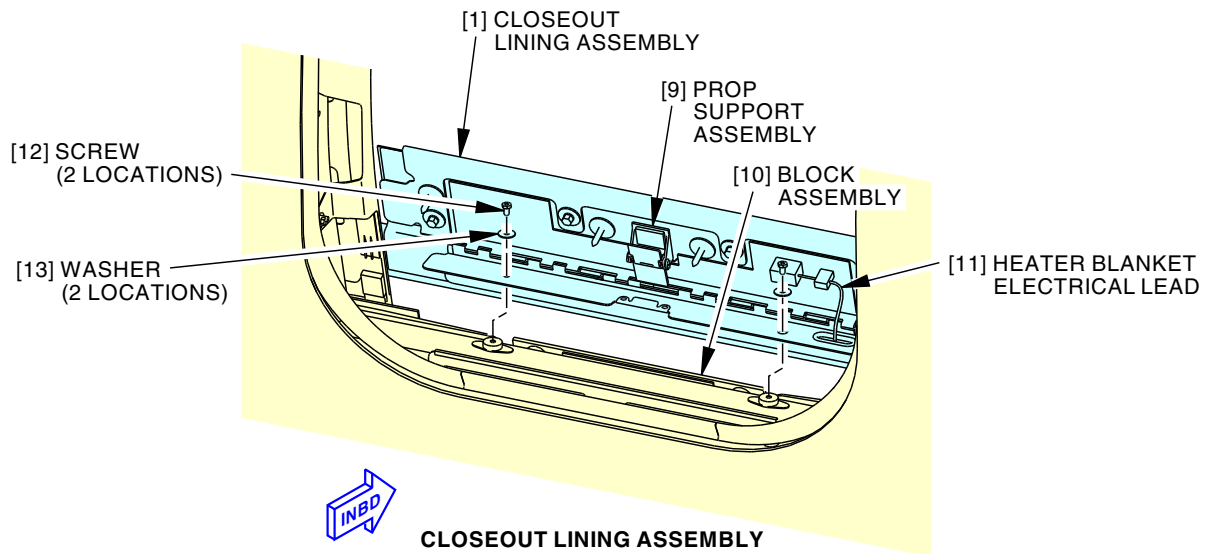
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Emergency Exit Doorway Lining Installation
Figure 401/25-21-20-990-802 (Sheet 2 of 3)

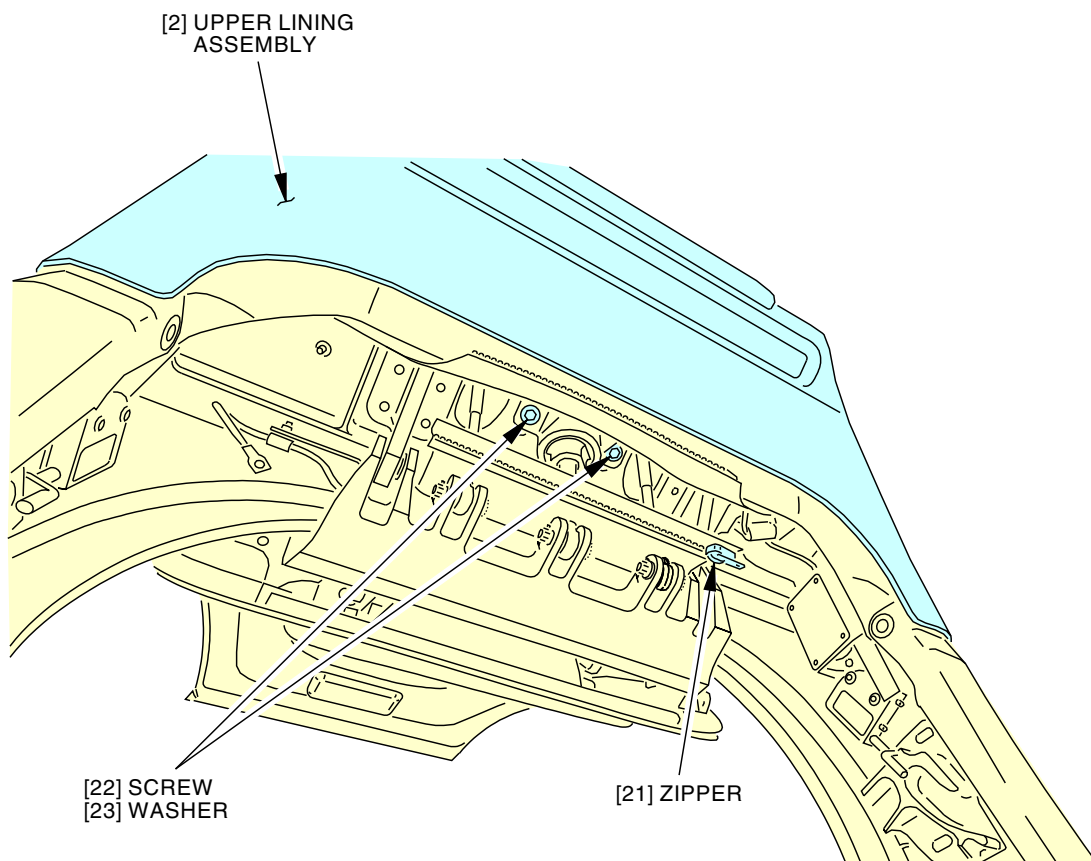
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UPPER LINING ASSEMBLY
(EXAMPLE)



2536082 S0000600941_V1

Emergency Exit Doorway Lining Installation
Figure 401/25-21-20-990-802 (Sheet 3 of 3)

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TASK 25-21-20-400-801

3. Emergency Exit Doorway Lining Installation

(Figure 401)

A. General

- (1) This task includes the steps to install the emergency exit doorway linings in the passenger compartment.

B. References

Reference	Title
21-45-00-700-802	Emergency Exit Hatch Heaters Operational Test (P/B 501)

C. Consumable Materials

Reference	Description	Specification
G00291	Tape - Aluminum Foil, 3M 425	AMS-T-23397 / L-T-80

D. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Closeout lining assembly	52-22-51-03-325	SIA ALL
		52-22-51-03-330	SIA ALL
		52-22-51-04-330	SIA ALL
		52-22-51-04-335	SIA ALL
2	Upper lining assembly	52-22-51-03-005	SIA 001-005
		52-22-51-03-007	SIA 006-999
		52-22-51-04-009	SIA 001-005
		52-22-51-04-011	SIA 006-999

E. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right
832	Left Forward Emergency Exit
833	Left Emergency Exit (STA 627.5)
842	Right Forward Emergency Exit
843	Right Emergency Exit (STA 627.5)

F. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

G. Emergency Exit Doorway Lining Installation

SUBTASK 25-21-20-420-001

- (1) Install the upper lining assembly [2].
- (a) If necessary, install 3M 425 Aluminum Foil Tape, G00291, on the rear side of the upper lining assembly [2].
- 1) Add tape on the support assembly below the opening for the emergency exit light to prevent light leakage.

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CAUTION

MAKE CERTAIN ELECTRICAL CONNECTORS ARE NOT CROSSED DURING INSTALLATION.

- (b) Connect the electrical wiring for the emergency exit light.
- (c) Bend the clips on the upper lining assembly [2] by a small quantity, to install them below the installed sidewall.
 - 1) Make sure that the electrical wires are behind the upper lining assembly [2].
- (d) Put the top of the upper lining assembly [2] into the slot in the A/C extrusion.
 - 1) Use the slotted holes to adjust the upper lining assembly [2].
 - a) Make sure that the upper lining assembly [2] is level and aligned with the door linings.
 - b) Make sure that the upper lining assembly [2] does not lock onto the electrical wires.
- (e) Install the screws [22] and washers [23].
 - 1) Do not tighten the screws [22].

SUBTASK 25-21-20-420-002

- (2) Install the trim strip assembly [15] and trim strip assembly [14].

NOTE: The trim strip assembly [15] is opposite the trim strip assembly [14]. Use the same procedure to install the trim strip assemblies.



CAUTION

MAKE CERTAIN ELECTRICAL CONNECTORS ARE NOT CROSSED DURING INSTALLATION.

- (a) Connect the electrical wiring for the heater blanket.
- (b) Install the washers [20].
- (c) Put the trim strip assembly [15] and trim strip assembly [14] in the correct position.
 - 1) Put the top of the trim strip assembly [15] and trim strip assembly [14] below the upper lining assembly [2].
 - 2) Add or remove the washers [20] to make sure that the distance between the linings on the forward and aft sides is the same.
 - 3) Make sure that the trim strip assembly [15] and trim strip assembly [14] do not lock onto the electrical wires.
- (d) Install the screws [18] and the dimpled washers [19].
- (e) Install the washers [17] and nuts [16].

SUBTASK 25-21-20-420-003

- (3) Complete the installation of the upper lining assembly [2].
 - (a) Push up on the upper lining assembly [2] while you tighten the screws [22].
 - (b) Engage the zipper [21] to attach the seal on the upper lining assembly [2] to the moisture seal.

SUBTASK 25-21-20-420-004

- (4) Install the closeout lining assembly [1].

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- (a) If necessary, install the block assembly [10].



CAUTION

MAKE CERTAIN ELECTRICAL CONNECTORS ARE NOT CROSSED DURING INSTALLATION.

- (b) Connect the heater blanket electrical lead [11].
- (c) Engage the bottom of the trim strip assembly [15] and the trim strip assembly [14] into the closeout lining assembly [1].
- (d) Install the screws [12] and washers [13].

SUBTASK 25-21-20-410-002

- (5) Install the seat intrusion control blocks.
- (a) Install the block [6] with the screws [5] and washers [7].
- 1) Install the washers [7] between the air grille and the block [6] if necessary to fill in the space between the air grilles.
- (b) Install the screw [4].
- (c) Install the block [8] with the screws [3].

H. Put the Airplane Back to Its Usual Condition

SUBTASK 25-21-20-410-003

- (1) Close the emergency exit door.
- (a) Engage the prop support assembly [9] on the rear side of the closeout lining assembly [1].

SUBTASK 25-21-20-860-010



WARNING

WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



WARNING

DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (2) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	9	C01280	DOOR AREA HTR-FWD

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	11	C00594	WINDOW LIGHT RIGHT
E	12	C00776	WINDOW LIGHT LEFT

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SUBTASK 25-21-20-410-007

- (3) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-21-20-860-003

- (4) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT

SUBTASK 25-21-20-710-001

- (5) Do this task: Emergency Exit Hatch Heaters Operational Test, TASK 21-45-00-700-802.

————— **END OF TASK** —————

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AFT DOOR DOORWAY HEADER PANEL - REMOVAL/INSTALLATION

1. General

- A. This procedure has these tasks:
- (1) Removal of the aft door doorway header panel
 - (2) Installation of the aft door doorway header panel
- B. These tasks are applicable to the left and the right aft doors.

TASK 25-21-24-000-801

2. Aft Door Doorway Header Panel Removal

(Figure 401)

A. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

B. Aft Door Doorway Header Panel Removal

SUBTASK 25-21-24-020-001

- (1) Remove the seal depressor [8] and retainers [7].
- (a) To remove them, pull back the seal depressor [8] and remove the screws [9].

SUBTASK 25-21-24-020-002

- (2) Remove the plug buttons [5] that are along the top edge of the header panel [2].

SUBTASK 25-21-24-020-003

- (3) Hold the header panel [2] up and remove the bolts [4] at the top edge of the header panel [2] and the screws [6] at the door opening.

SUBTASK 25-21-24-020-004

- (4) Lower the header panel [2] until you can disconnect the ECS duct and the electrical connector.

SUBTASK 25-21-24-020-005

- (5) Remove the header panel [2].

————— **END OF TASK** —————

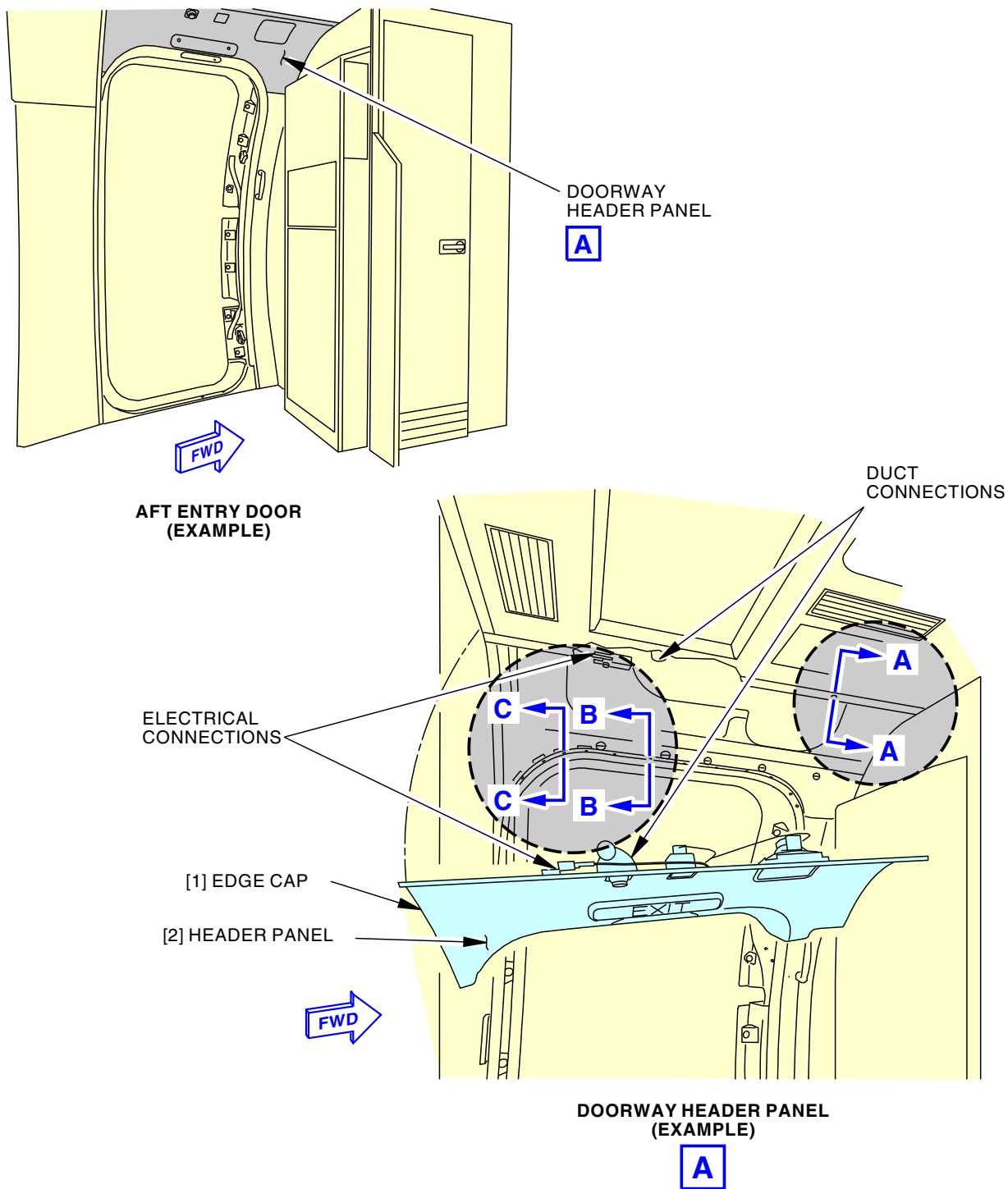
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Aft Doorway Header Panel Installation
Figure 401/25-21-24-990-801 (Sheet 1 of 2)

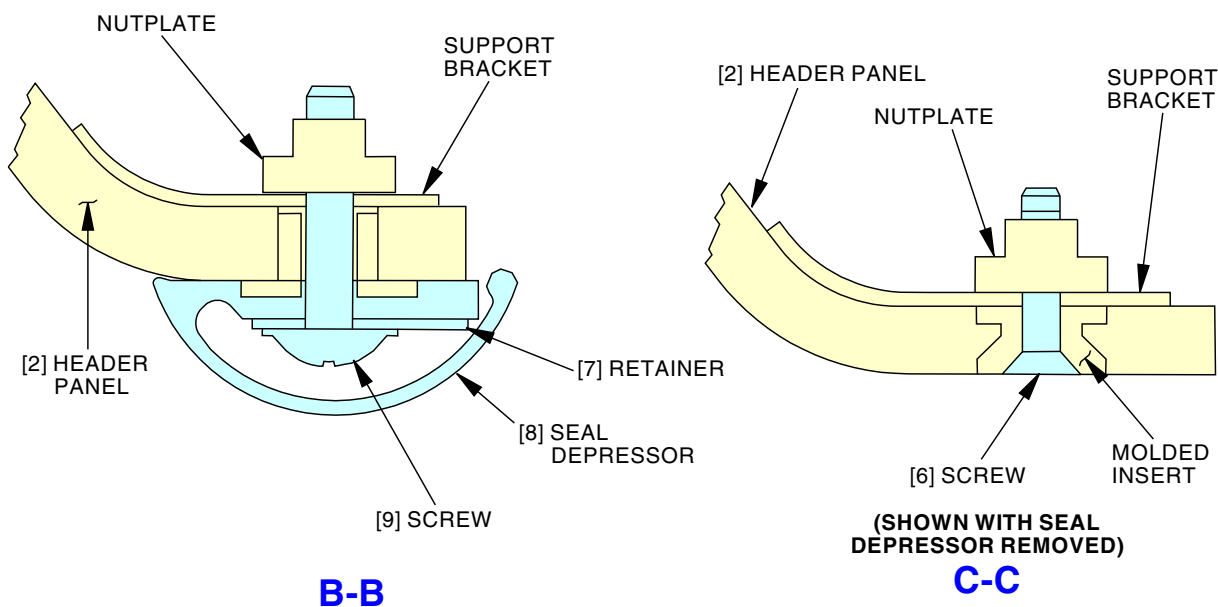
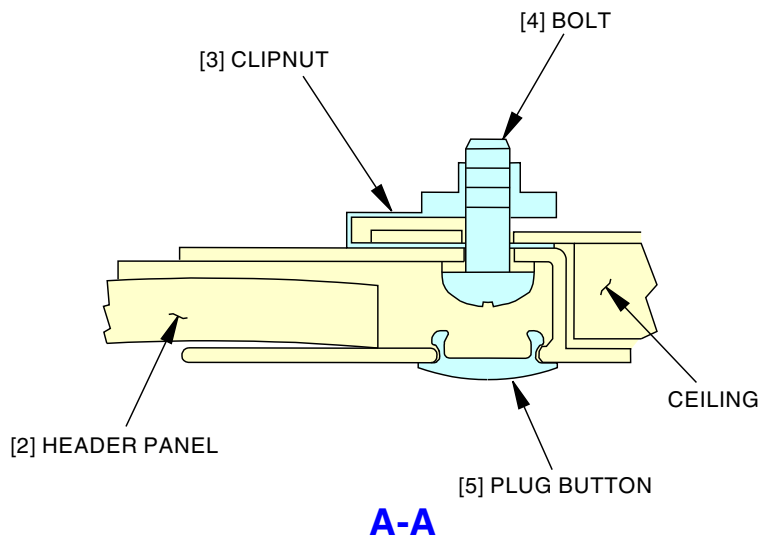
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Aft Doorway Header Panel Installation
Figure 401/25-21-24-990-801 (Sheet 2 of 2)

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TASK 25-21-24-400-801

3. **Aft Door Doorway Header Panel Installation**

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 60

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
2	Header panel	25-21-24-09-150	SIA ALL

C. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

D. Prepare for the Installation

SUBTASK 25-21-24-420-001

(1) To install a new header panel [2], do these steps:

- Apply adhesive, A00027 (clear grade 2), to the back edge of the header panel [2] where you will install the edge cap [1].
- Put the edge cap [1] on the header panel [2].
- After you install the header panel [2] (per the steps below) adjust the edge cap [1] so that it touches the adjacent wall.

SUBTASK 25-21-24-420-002

(2) To install the same header panel [2] that you removed, do these steps:

- Hold the header panel [2] in its position and make sure the edge cap [1] aligns with the adjacent wall satisfactorily.
- If there is a large clearance between the edge cap [1] and the wall, or if the screw holes in the panel will not align with the nut plates (because the edge cap touches the wall), then do these steps:
 - Remove the edge cap [1] from the header panel [2].
NOTE: It is held with adhesive, A00027.
 - Apply new adhesive, A00027 (clear grade 2), to the back edge of the header panel [2].
 - Put the edge cap [1] back on the header panel [2].
 - After you install the header panel [2] (per the steps below) adjust the edge cap [1] so that it touches the adjacent wall.

E. Aft Door Doorway Header Panel Installation

SUBTASK 25-21-24-420-003

(1) Hold the header panel [2] up and connect the electrical connector and the ECS duct.

SUBTASK 25-21-24-420-004

(2) Install the bolts [4] at top of the header panel [2], and the screws [6] around the door opening.

SUBTASK 25-21-24-420-005

(3) Install the seal depressor [8] and retainers [7] with the screws [9].

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SUBTASK 25-21-24-420-006

- (4) Install the plug buttons [5] along the top edge of the header panel [2].

———— **END OF TASK** ————

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AFT ENTRY AND AFT SERVICE DOORWAYS SIDEWALL LINING PANELS - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) A removal of the aft entry and service doorways sidewall lining panel
- (2) An installation of the aft entry and service doorways sidewall lining panel.

TASK 25-21-25-020-801

2. Aft Entry and Service Doorways Sidewall Lining Panel - Removal

(Figure 401)

A. Location Zones

Zone	Area
118	Electrical and Electronics Compartment - Right
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

B. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

C. Prepare for the Removal

SUBTASK 25-21-25-010-001

- (1) To get access to the P92 panel, open this access panel:

Number	Name/Location
117A	Electronic Equipment Access Door

SUBTASK 25-21-25-840-001



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (2) Open this circuit breaker and install safety tag:

Power Distribution Panel Number 2, P92

Row	Col	Number	Name
E	9	C00119	VAC OUTLET AFT

SUBTASK 25-21-25-840-002

- (3) Remove the cover for the AFT electrical outlet.

SUBTASK 25-21-25-840-003

- (4) If it is necessary to get access to the sidewall lining [2], remove the passenger equipment.

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D. Panel Removal

SUBTASK 25-21-25-020-001

(1) Unfold the rubber seal [3] that covers the seal retainer [1].

SUBTASK 25-21-25-020-002

(2) Remove the screws [4] and washers [5] that attach the seal retainer [1] to the reveal assembly.

SUBTASK 25-21-25-020-003

(3) Remove the lining that is AFT of the door.

(a) Move the lining forward and remove the lining.

SUBTASK 25-21-25-020-004

(4) Remove the lining around the top part of the door opening.

(a) Move the lining down and inboard and remove the lining.

SUBTASK 25-21-25-020-005

(5) If it is installed, remove the aid handle that is FORWARD of the entry door.

SUBTASK 25-21-25-020-006

(6) Remove the lining that is FORWARD of the door.

(a) Move the lining aft and inboard and remove the lining.

————— **END OF TASK** —————

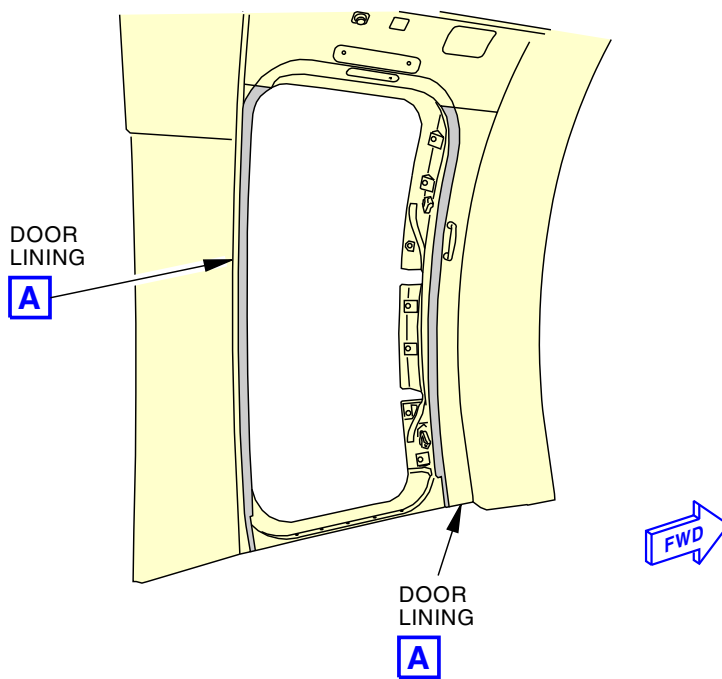
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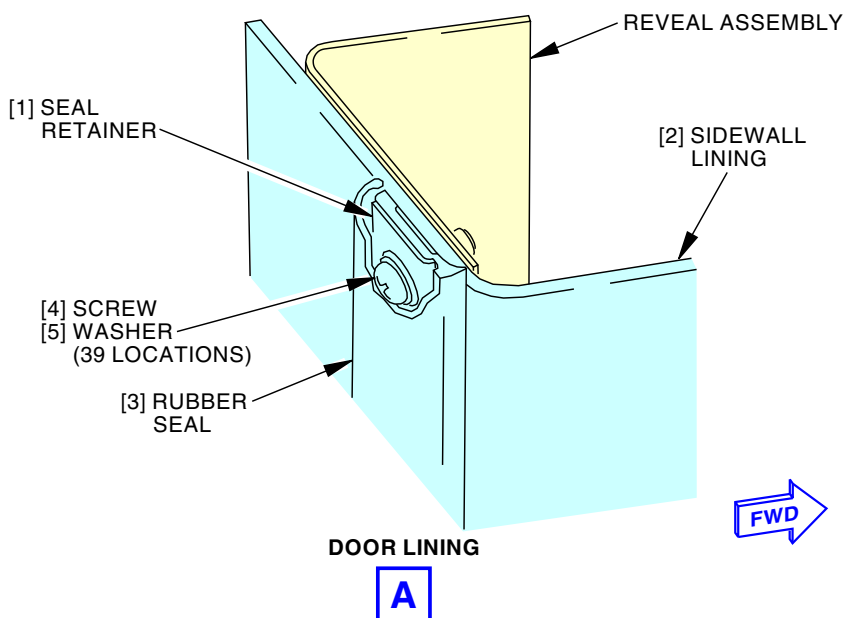
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AFT ENTRY DOOR
(AFT SERVICE DOOR IS OPPOSITE)



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Aft Entry and Service Door Sidewall Lining Panels Installation
Figure 401/25-21-25-990-802

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TASK 25-21-25-420-801

3. **Aft Entry and Service Doorways Sidewall Lining Panel - Installation**

(Figure 401)

A. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
2	Sidewall lining	25-21-25-09-100	SIA ALL
		25-21-25-25-155	SIA ALL

B. Location Zones

Zone	Area
118	Electrical and Electronics Compartment - Right
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

C. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

D. Panel Installation

SUBTASK 25-21-25-420-001

(1) Move the sidewall lining [2] edges into the slot at the trim angle and onto the reveal assembly.

SUBTASK 25-21-25-420-002

(2) Install the rubber seal [3] around the door opening.

SUBTASK 25-21-25-420-003

(3) Install the seal retainer [1] over the bottom of the rubber seal [3].

SUBTASK 25-21-25-420-004

(4) Attach the seal retainer [1] to the reveal assembly with screws [4] and washers [5].

SUBTASK 25-21-25-420-005

(5) If it is applicable, install the aid handle that is FORWARD of the entry door.

E. Put the Airplane Back to Its Usual Condition

SUBTASK 25-21-25-420-006

(1) Install any equipment that was removed to gain access.

SUBTASK 25-21-25-840-004

(2) Install the cover for the AFT electrical outlet.

SUBTASK 25-21-25-840-005



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (3) Remove the safety tag and close this circuit breaker:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	9	C00119	VAC OUTLET AFT

SUBTASK 25-21-25-410-001

- (4) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

————— **END OF TASK** —————

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FORWARD ENTRY DOOR DOORWAY HEADER PANEL - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) A removal of the forward entry door doorway header panel
- (2) An installation of the forward entry door doorway header panel.

TASK 25-21-30-020-801

2. Forward Entry Door Doorway Header Panel Removal

(Figure 401)

A. **General**

- (1) This task gives the instructions to remove the forward entry door doorway header panel.

B. **References**

Reference	Title
21-00-00-800-802	Remove Conditioned Air from the Airplane (P/B 201)
23-31-03-040-801	Attendant Speaker - Deactivation (P/B 201)
23-75-00-040-801	Video Surveillance System - Deactivation (P/B 201)
35-22-11-000-801	Oxygen Generator Deactivation (P/B 201)
52-11-00-860-803	Open the Door with the Interior Handle (P/B 201)

C. **Tools/Equipment**

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt.", which stands for Optional.

Reference	Description
SPL-2005	Personnel Barrier - Passenger and Galley Door Part #: C52012-59 Supplier: 81205 Part #: C52012-66 Supplier: 81205

D. **Location Zones**

Zone	Area
221	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Left

E. **Prepare for the Removal**

SUBTASK 25-21-30-010-001



MAKE SURE THAT THE GIRT BAR IS NOT ENGAGED IN THE FLOOR-MOUNTED ESCAPE SLIDE BRACKETS. THE ESCAPE SYSTEM CAN DEPLOY WHEN YOU OPEN THE DOOR AND CAUSE INJURIES TO PERSONNEL OR DAMAGE TO EQUIPMENT.



DO NOT OPERATE THE DOOR IN STABLE WINDS OF MORE THAN 40 KNOTS. DO NOT LET THE DOOR STAY OPEN IN WIND GUSTS THAT ARE MORE THAN 65 KNOTS. STRONG WINDS CAN CAUSE DAMAGE TO THE STRUCTURE OF THE AIRPLANE.

- (1) Open the forward entry door.
 - (a) Do this task: Open the Door with the Interior Handle, TASK 52-11-00-860-803.
 - (b) Put the personnel barrier, SPL-2005, across the door opening.

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SUBTASK 25-21-30-040-001

- (2) Do this task: Video Surveillance System - Deactivation, TASK 23-75-00-040-801.

SUBTASK 25-21-30-040-002

- (3) Do this task: Attendant Speaker - Deactivation, TASK 23-31-03-040-801.

SUBTASK 25-21-30-800-001

- (4) Do this task: Remove Conditioned Air from the Airplane, TASK 21-00-00-800-802.

SUBTASK 25-21-30-000-001

- (5) Do this task: Oxygen Generator Deactivation, TASK 35-22-11-000-801.

SUBTASK 25-21-30-860-001

- (6) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	7	C00156	OXYGEN IND
F	8	C00785	OXYGEN MAN CONT
F	9	C00784	OXYGEN PASS RIGHT
F	10	C00783	OXYGEN PASS LEFT

SUBTASK 25-21-30-860-002

- (7) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
A	9	C00073	PASSENGER CABIN CREW CALL
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT

F. Forward Entry Door Doorway Header Panel Removal

SUBTASK 25-21-30-020-001

- (1) Remove the seal depressor [8] and retainers [7] from the header panel [2] (View B-B, Figure 401).
- (a) Remove the seal depressor [8] from the retainers [7] to get access to the screws [9].
- (b) Remove the screws [9] from the top of the doorway and doorway corners.
- (c) Remove the retainers [7].

SUBTASK 25-21-30-020-002

- (2) Remove the plug buttons [5] installed on the top edge of the header panel [2] (View A-A, Figure 401).

SUBTASK 25-21-30-020-003

- (3) Hold the header panel [2] in position.

SUBTASK 25-21-30-020-006

- (4) Remove the bolts [4] and washers [10] at the top edge of the header panel [2] (View A-A, Figure 401).

SUBTASK 25-21-30-020-007

- (5) Remove the screws [6] at the door opening (View C-C, Figure 401).

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SUBTASK 25-21-30-020-008

- (6) Lower the header panel [2] to get access to the Environmental Control System (ECS) duct, electrical connector [3], and electrical connector [11].
 - (a) Disconnect the ECS duct from the gasper.
 - 1) Put the protective caps on the duct connections to prevent contamination.
 - (b) Disconnect the electrical connector [3].
 - 1) Put the protective caps on the electrical connectors to prevent contamination.
 - (c) Disconnect the electrical connector [11].
 - 1) Put the protective caps on the electrical connectors to prevent contamination.

SUBTASK 25-21-30-020-005

- (7) Remove the header panel [2].

———— **END OF TASK** ————

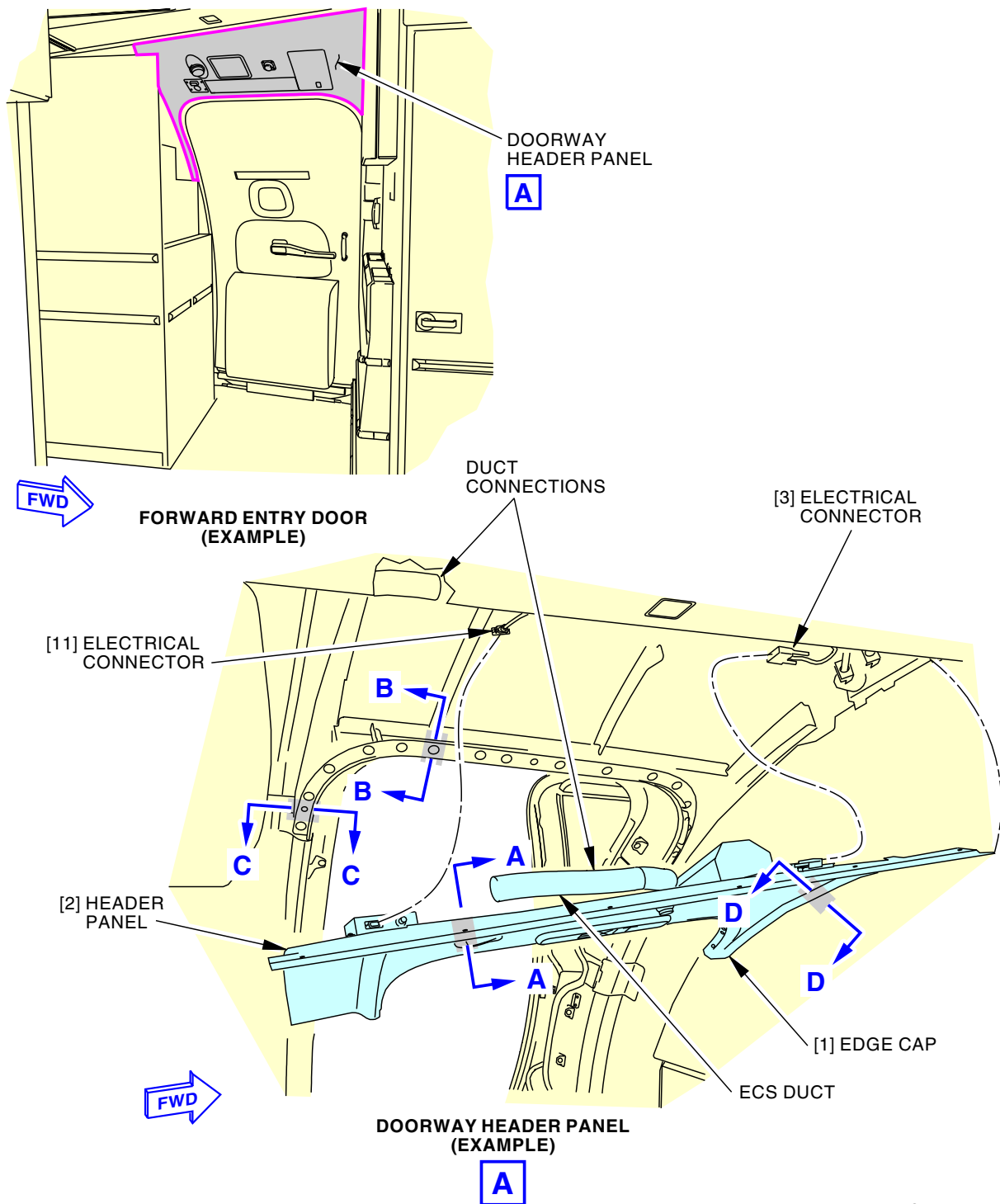
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Forward Entry Doorway Header Panel Installation
Figure 401/25-21-30-990-801 (Sheet 1 of 2)

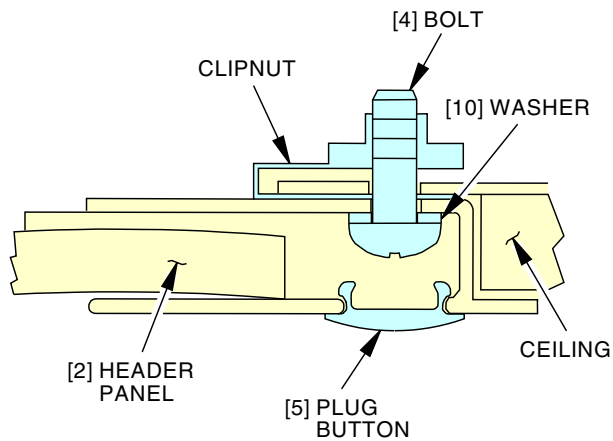
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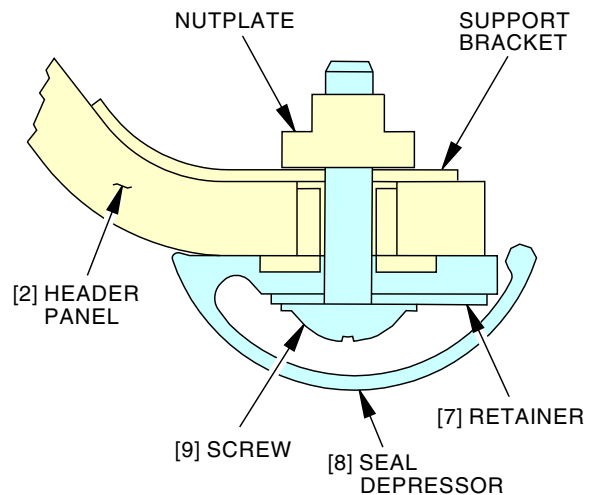
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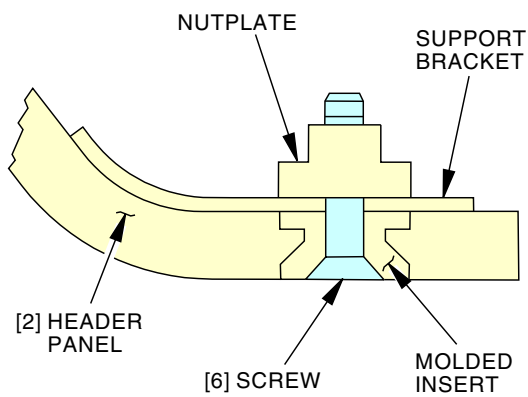


A-A



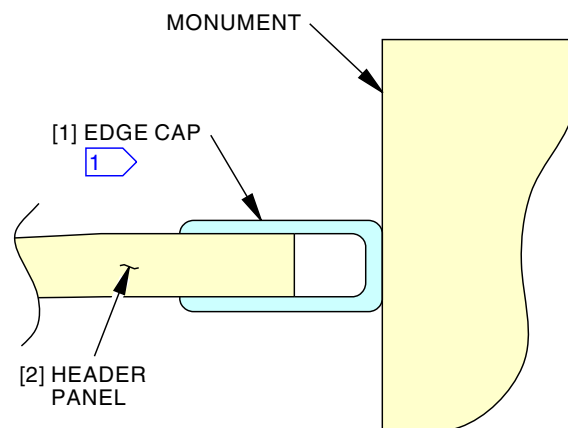
(EXAMPLE)

B-B



(SHOWN WITH SEAL DEPRESSOR REMOVED)

C-C



D-D

1 ADJUST THE EDGE CAP ON THE HEADER PANEL MOVE THE HEADER PANEL UP AND INBOARD AGAINST THE CEILING ATTACH BRACKET AND FORWARD AGAINST THE MONUMENT

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Forward Entry Doorway Header Panel Installation
Figure 401/25-21-30-990-801 (Sheet 2 of 2)

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TASK 25-21-30-420-801

3. **Forward Entry Door Doorway Header Panel Installation**

(Figure 401)

A. General

(1) This task gives the instructions to install the forward entry door doorway header panel.

B. References

Reference	Title
21-00-00-800-801	Supply Conditioned Air to the Airplane (P/B 201)
23-31-03-440-801	Attendant Speaker - Activation (P/B 201)
23-75-00-440-801	Video Surveillance System - Activation (P/B 201)
35-22-00-210-801	Oxygen Generator Visual Inspection (P/B 501)
52-11-00-860-804	Close the Door with the Interior Handle (P/B 201)

C. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
SPL-2005	Personnel Barrier - Passenger and Galley Door Part #: C52012-59 Supplier: 81205 Part #: C52012-66 Supplier: 81205

D. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 60
G50019	Tape - Flexible Foam Sound Damping And Sealing Tape	BMS8-283 Type I

E. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
2	Header panel	25-21-30-02-035	SIA ALL
		25-21-30-02-125	SIA ALL

F. Location Zones

Zone	Area
221	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Left

G. Prepare for the Installation

SUBTASK 25-21-30-210-001

(1) Check that the oxygen generator is activated, do this task: Oxygen Generator Visual Inspection, TASK 35-22-00-210-801.

SUBTASK 25-21-30-420-001

- (2) Prepare a new header panel [2], do these steps:
- (a) Apply adhesive, A00027, to the back edge of the header panel [2] where you will install the edge cap [1].
 - (b) Put the edge cap [1] on the back of the header panel [2].
 - (c) After you install the panel (per the steps below) adjust the edge cap [1] so that it touches the adjacent wall.

EFFECTIVITY
SIA ALL

25-21-30

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SUBTASK 25-21-30-420-002

- (3) Prepare the same header panel [2] that you removed, do these steps:
- (a) Align the header panel [2] in the correct position.
- 1) Align the edge cap [1] on the header panel [2].
 - 2) Move the header panel [2] up and inboard against the ceiling attach bracket and forward against the monument.
 - 3) Make sure that the holes of the screws [6] on the header panel [2] align with the nutplates.
 - 4) Make sure that the clearance is not more than 0.032 in. (0.813 mm) between the edge cap [1] and monument.
 - 5) If it is necessary, apply tape, G50019, to the area of the joint between the overlapping panels to align the mating edge cap [1].
- NOTE: The total bonding area of the tape, G50019, must not exceed 9 in² (58 cm²).
- (b) If the clearance is not correct, do these steps:
- 1) Remove the edge cap [1] from the header panel [2].
 - 2) If it is necessary, remove adhesive, A00027.
 - 3) If it is necessary, cut the edge cap [1] to get the correct clearance.
 - 4) Apply adhesive, A00027, to the back edge of the header panel [2].
 - 5) Put the edge cap [1] on the back edge of the header panel [2].
 - 6) Make sure that the clearance is not more than 0.032 in. (0.813 mm) between the edge cap [1] and monument.

H. Forward Entry Door Doorway Header Panel Installation

SUBTASK 25-21-30-420-003

- (1) Align the header panel [2] in the correct position.

SUBTASK 25-21-30-420-007

- (2) Connect the electrical connector [3].
- (a) Remove the protective caps from the electrical connections.

SUBTASK 25-21-30-420-008

- (3) Connect the electrical connector [11].
- (a) Remove the protective caps from the electrical connections.

SUBTASK 25-21-30-420-009

- (4) Connect the Environmental Control System (ECS) duct to the gasper.
- (a) Remove the protective caps from the duct connections.

SUBTASK 25-21-30-420-004

- (5) Install the washers [10] and bolts [4] to attach the top of the header panel [2] to the structure (View A-A, Figure 401).

SUBTASK 25-21-30-420-010

- (6) Install the screws [6] to attach the header panel [2] to the door opening (View C-C, Figure 401).

SUBTASK 25-21-30-420-005

- (7) Install the screws [9] to attach the retainers [7] to the header panel [2] (View B-B, Figure 401).

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SIA ALL

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SUBTASK 25-21-30-420-011

- (8) Install the seal depressor [8].

SUBTASK 25-21-30-420-006

- (9) Install the plug buttons [5] along the top edge of the header panel [2] (View A-A, Figure 401).

I. Put the Airplane Back to Its Usual Condition

SUBTASK 25-21-30-410-001

- (1) Close the forward entry door.
- (a) Remove the personnel barrier, SPL-2005, from the door opening.
 - (b) Do this task: Close the Door with the Interior Handle, TASK 52-11-00-860-804.

SUBTASK 25-21-30-860-003

- (2) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
A	9	C00073	PASSENGER CABIN CREW CALL
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT

SUBTASK 25-21-30-860-004

- (3) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	7	C00156	OXYGEN IND
F	8	C00785	OXYGEN MAN CONT
F	9	C00784	OXYGEN PASS RIGHT
F	10	C00783	OXYGEN PASS LEFT

SUBTASK 25-21-30-800-002

- (4) Do this task: Supply Conditioned Air to the Airplane, TASK 21-00-00-800-801.

SUBTASK 25-21-30-440-001

- (5) Do this task: Attendant Speaker - Activation, TASK 23-31-03-440-801.

SUBTASK 25-21-30-440-002

- (6) Do this task: Video Surveillance System - Activation, TASK 23-75-00-440-801.

— END OF TASK —

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FORWARD ENTRY DOORWAY SIDEWALL LINING PANELS - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Removal of the Forward Entry Doorway Sidewall Lining Panel
- (2) Installation of the Forward Entry Doorway Sidewall Lining Panel

TASK 25-21-31-420-801

2. Forward Entry Doorway Sidewall Lining Panel - Removal

(Figure 401)

A. **Location Zones**

Zone	Area
200	Upper Half of Fuselage

B. **Panel Removal**

SUBTASK 25-21-31-020-001

- (1) Remove the passenger equipment if it is necessary to get access to the sidewall lining panel.

SUBTASK 25-21-31-020-008

- (2) Remove the hinge cover panel.

SUBTASK 25-21-31-020-009

- (3) Remove the forward scuff plates [5].

SUBTASK 25-21-31-020-010

- (4) Remove the aft scuff plates [7].

SUBTASK 25-21-31-020-002

- (5) If installed, remove the aid handle that is forward of the galley door.

SUBTASK 25-21-31-020-003

- (6) Remove the rubber seal [3] from the retainer [4] around the door opening.

SUBTASK 25-21-31-020-004

- (7) Remove the screws that attach the trim angle.
 - (a) Remove the trim angles with the seal retainer [4].

SUBTASK 25-21-31-020-005

- (8) Remove the fasteners that attach the lining panel [1] to the sidewall structure.

SUBTASK 25-21-31-020-007

- (9) Remove the lining panel [1] that is forward of the door.
 - (a) Move the lining panel [1] aft and remove it.

————— **END OF TASK** —————

TASK 25-21-31-420-802

3. Forward Entry Doorway Sidewall Lining Panel - Installation

(Figure 401)

A. **Expendables/Parts**

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Lining panel	25-21-31-02-045	SIA ALL

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SIA ALL

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(Continued)

AMM Item	Description	AIPC Reference	AIPC Effectivity
1 (cont.)		25-21-31-02-060	SIA ALL
		25-21-31-02-065	SIA ALL
		25-21-31-02-100	SIA ALL
		25-21-31-02-110	SIA ALL
		25-21-31-02-125	SIA ALL
		25-21-31-02-130	SIA ALL
		25-21-31-02-150	SIA ALL
3	Seal	52-09-16-01-030	SIA ALL
5	Forward scuff plate	25-21-31-02-030	SIA ALL
7	Aft scuff plate	25-21-31-02-025	SIA ALL

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Panel Installation

SUBTASK 25-21-31-420-001

- (1) Install the panel that is aft of the door.
 - (a) Move the panel aft below the trim strip.

SUBTASK 25-21-31-420-002

- (2) Install the panel that is forward of the door.
 - (a) Move the panel aft into the slot on the open strip and attach fasteners.

SUBTASK 25-21-31-420-009

- (3) Install the lining panel [1] to sidewall structure and attach fasteners.

SUBTASK 25-21-31-420-003

- (4) Install the trim angles and the seal retainer [4] with screws [2].

SUBTASK 25-21-31-420-004

- (5) Install the rubber new seal [3].

SUBTASK 25-21-31-420-005

- (6) Install the forward scuff plate [5] and attach screw [6].

SUBTASK 25-21-31-420-011

- (7) Install the aft scuff plate [7] and attach screw [8].

SUBTASK 25-21-31-420-006

- (8) Install the aid handle, if applicable.

SUBTASK 25-21-31-420-007

- (9) Install the upper hinge cover panel [10] with screws [9] and nuts [12].

SUBTASK 25-21-31-420-010

- (10) Install the lower hinge cover panel [11] with screws [9] and nuts [12].

SUBTASK 25-21-31-420-008

- (11) Install all the passenger equipment which you removed for access to doorway lining panels.

————— **END OF TASK** —————

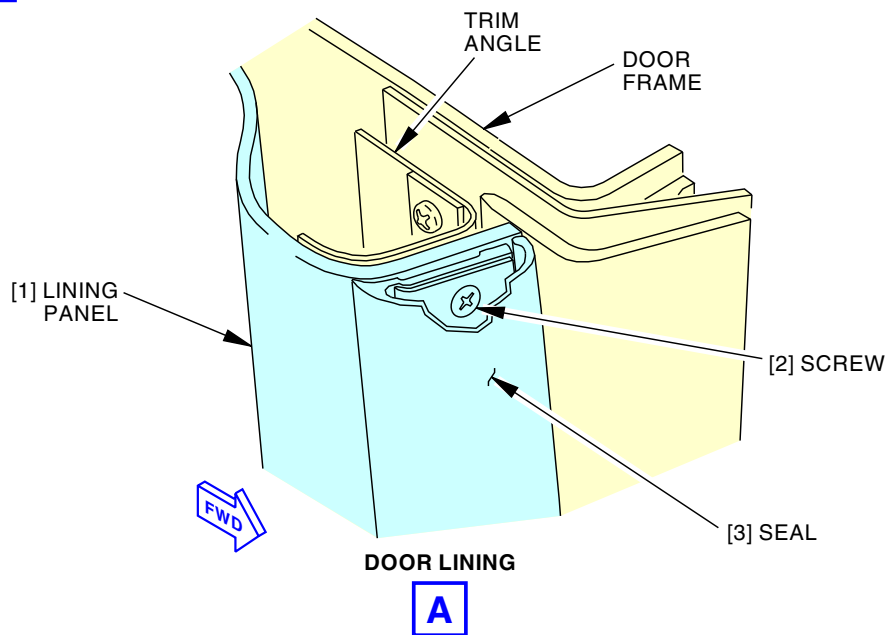
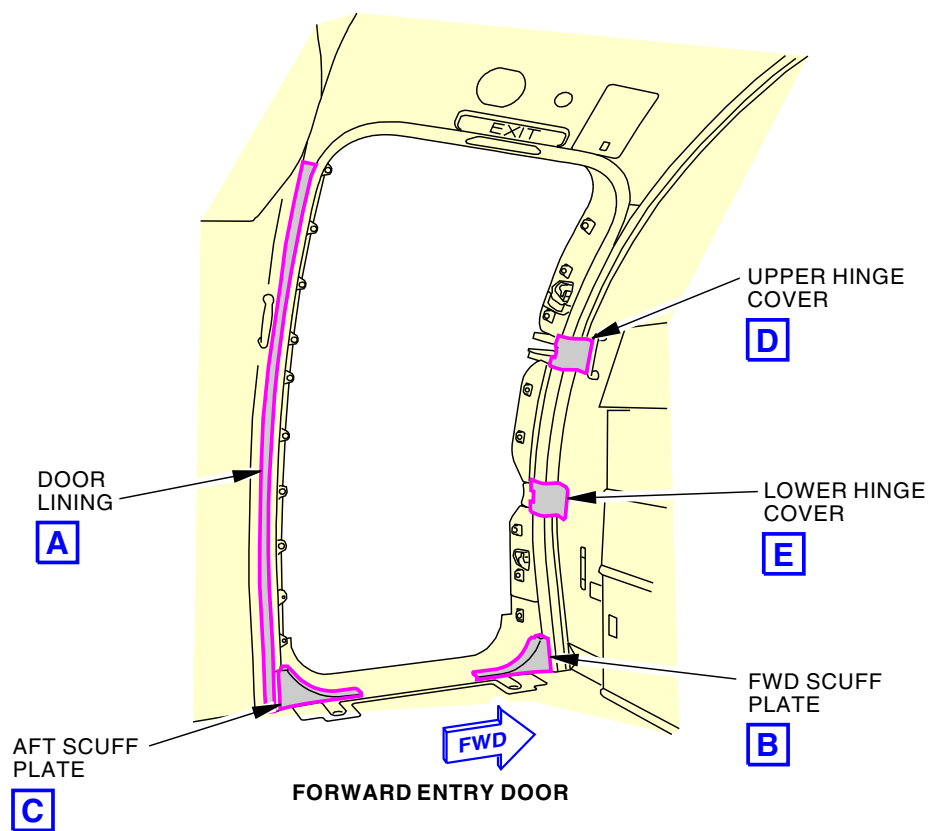
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SIA ALL

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Forward Entry Doorway Sidewall Lining Panels Installation
Figure 401/25-21-31-990-801 (Sheet 1 of 3)

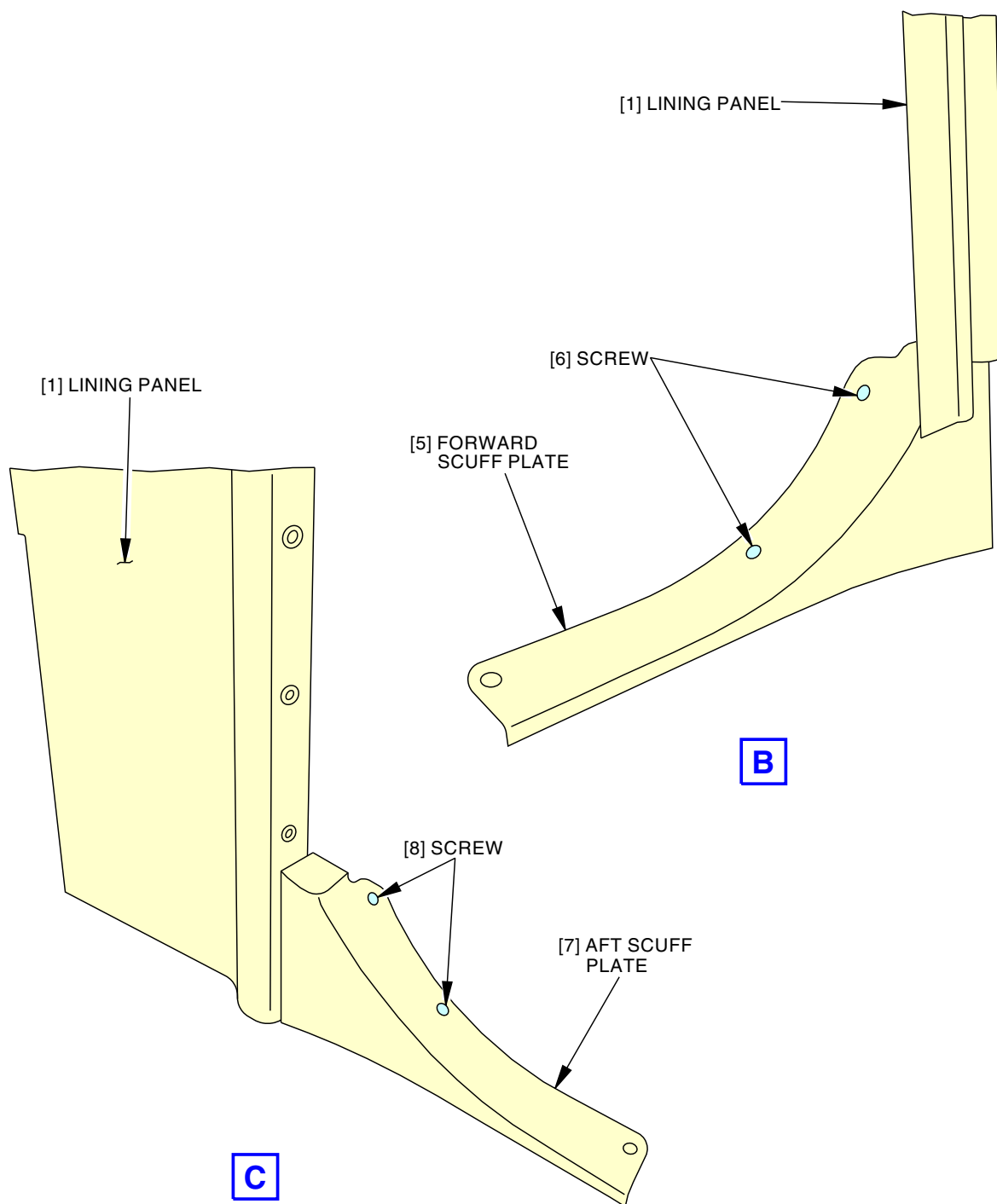
EFFECTIVITY
SIA ALL

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ECCN 9E991 BOEING PROPRIETARY - See title page for details

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2545490 S0000604098_V1

Forward Entry Doorway Sidewall Lining Panels Installation
Figure 401/25-21-31-990-801 (Sheet 2 of 3)

EFFECTIVITY
SIA ALL

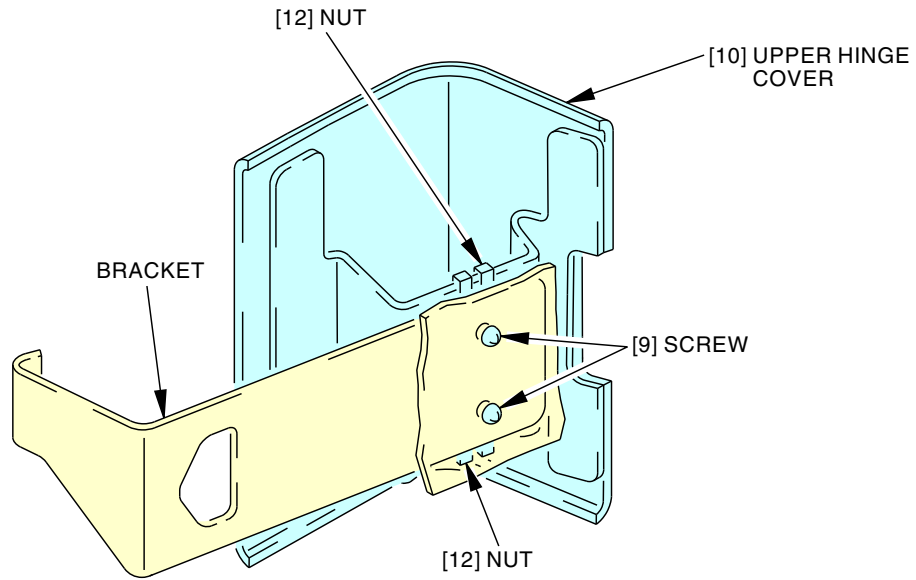
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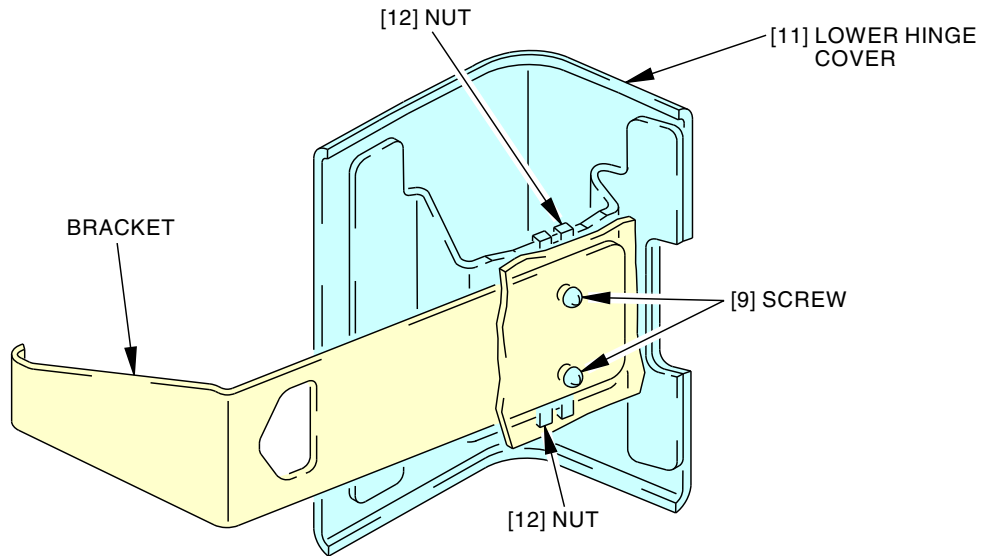
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BOEING
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D



E



2545517 S0000604102_V1

Forward Entry Doorway Sidewall Lining Panels Installation
Figure 401/25-21-31-990-801 (Sheet 3 of 3)

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FORWARD GALLEY DOOR DOORWAY HEADER PANEL - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) A removal of the forward galley door doorway header panel
- (2) An installation of the forward galley door doorway header panel.

TASK 25-21-34-000-801

2. Forward Galley Door Doorway Header Panel Removal

(Figure 401)

A. **General**

- (1) This task gives the instructions to remove the forward galley door doorway header panel.

B. **References**

Reference	Title
21-00-00-800-802	Remove Conditioned Air from the Airplane (P/B 201)
23-31-03-040-801	Attendant Speaker - Deactivation (P/B 201)
23-75-00-040-801	Video Surveillance System - Deactivation (P/B 201)
52-11-00-860-803	Open the Door with the Interior Handle (P/B 201)

C. **Tools/Equipment**

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
SPL-2005	Personnel Barrier - Passenger and Galley Door Part #: C52012-59 Supplier: 81205 Part #: C52012-66 Supplier: 81205

D. **Location Zones**

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

E. **Prepare for the Removal**

SUBTASK 25-21-34-010-001



MAKE SURE THE GIRT BAR IS NOT ENGAGED IN THE FLOOR-MOUNTED ESCAPE SLIDE BRACKETS. IF THE GIRT BAR IS ENGAGED IN THE BRACKETS, THE ESCAPE SYSTEM CAN DEPLOY WHEN YOU OPEN THE DOOR. THIS CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.



DO NOT OPERATE THE DOOR IN STABLE WINDS OF MORE THAN 40 KNOTS. DO NOT LET THE DOOR STAY OPEN IN WIND GUSTS THAT ARE MORE THAN 65 KNOTS. STRONG WINDS CAN CAUSE DAMAGE TO THE STRUCTURE OF THE AIRPLANE.

- (1) Open the forward galley door.
 - (a) Do this task: Open the Door with the Interior Handle, TASK 52-11-00-860-803.

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SIA ALL

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- (b) Put the personnel barrier, SPL-2005, across the door opening.

SUBTASK 25-21-34-040-001

- (2) Do this task: Video Surveillance System - Deactivation, TASK 23-75-00-040-801.

SUBTASK 25-21-34-040-002

- (3) Do this task: Attendant Speaker - Deactivation, TASK 23-31-03-040-801.

SUBTASK 25-21-34-800-001

- (4) Do this task: Remove Conditioned Air from the Airplane, TASK 21-00-00-800-802.

SUBTASK 25-21-34-860-001

- (5) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	7	C00156	OXYGEN IND
F	8	C00785	OXYGEN MAN CONT
F	9	C00784	OXYGEN PASS RIGHT
F	10	C00783	OXYGEN PASS LEFT

SUBTASK 25-21-34-860-002

- (6) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
A	9	C00073	PASSENGER CABIN CREW CALL
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT

F. Forward Galley Door Doorway Header Panel Removal

SUBTASK 25-21-34-020-001

- (1) Remove the seal depressor [8] and seal retainers [7] from the header panel [1] (View B-B, Figure 401).
- (a) Remove the seal depressor [8] from the seal retainers [7] to get access to the screws [9].
- (b) Remove the screws [9] from the top of the doorway and the doorway corners.
- (c) Remove the seal retainers [7].

SUBTASK 25-21-34-020-002

- (2) Remove the plug buttons [5] installed on the top edge of the header panel [1] (View A-A, Figure 401).

SUBTASK 25-21-34-020-003

- (3) Hold the header panel [1] in position.

SUBTASK 25-21-34-020-004

- (4) Remove the bolts [4] and washers [10] at the top edge of the header panel [1] (View A-A, Figure 401).

SUBTASK 25-21-34-020-006

- (5) Remove the screws [6] at the door opening (View C-C, Figure 401).

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SUBTASK 25-21-34-020-009

- (6) Lower the header panel [1] to get access to the Environmental Control System (ECS) duct, electrical connector [3], and electrical connector [11].
 - (a) Disconnect the ECS duct from the gasper.
 - 1) Put the protective caps on the duct connections to prevent contamination.
 - (b) Disconnect the electrical connector [3].
 - 1) Put the protective caps on the electrical connectors to prevent contamination.
 - (c) Disconnect the electrical connector [11].
 - 1) Put the protective caps on the electrical connectors to prevent contamination.

SUBTASK 25-21-34-020-008

- (7) Remove the header panel [1].

———— **END OF TASK** ————

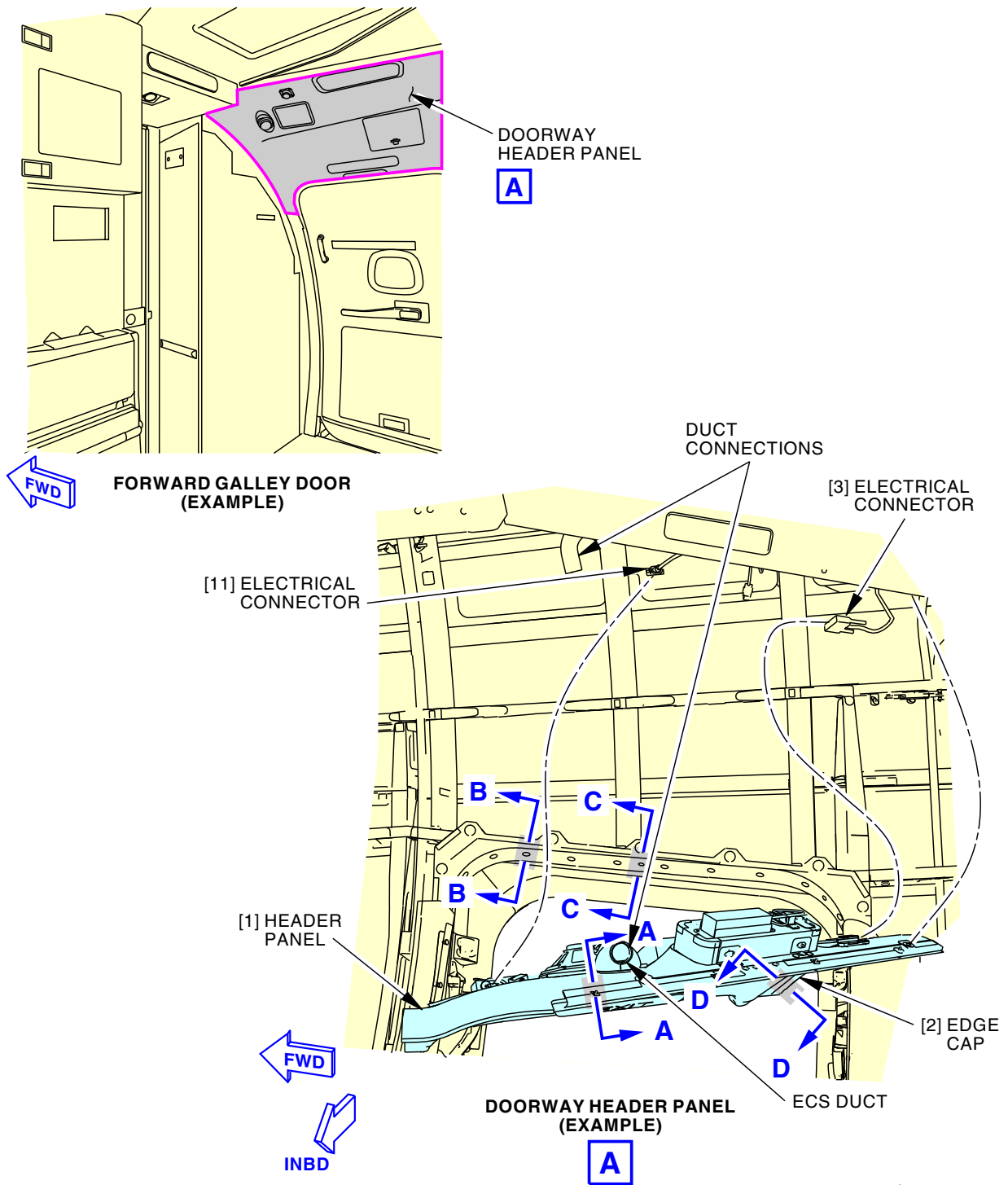
EFFECTIVITY
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Forward Galley Doorway Header Panel Installation
Figure 401/25-21-34-990-801 (Sheet 1 of 2)

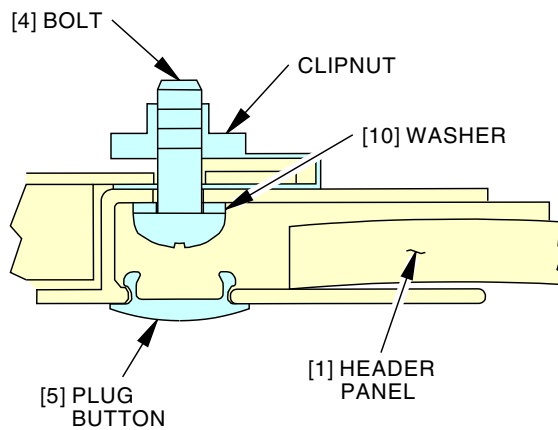
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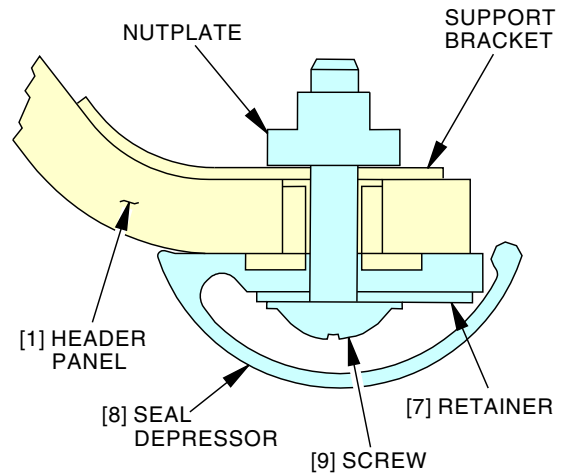
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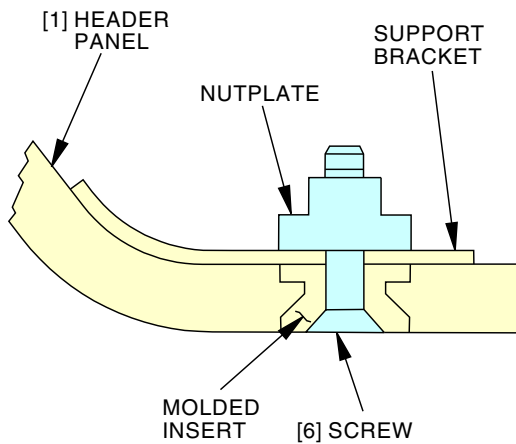
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A-A

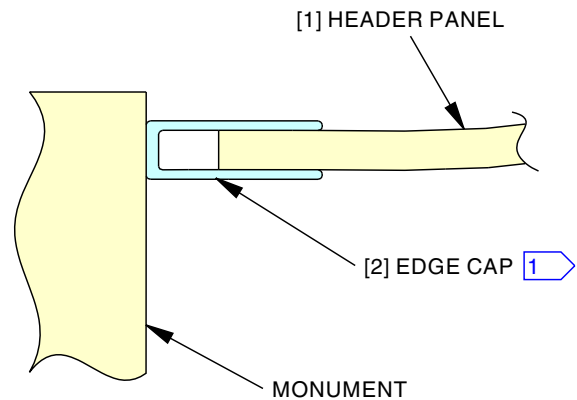


(EXAMPLE)
B-B



(SHOWN WITH SEAL DEPRESSOR REMOVED)

C-C



D-D

1 ADJUST THE EDGE CAP ON THE HEADER PANEL MOVE THE HEADER PANEL UP AND INBOARD AGAINST THE CEILING ATTACH BRACKET AND FORWARD AGAINST THE MONUMENT

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Forward Galley Doorway Header Panel Installation
Figure 401/25-21-34-990-801 (Sheet 2 of 2)

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TASK 25-21-34-400-801

3. **Forward Galley Door Doorway Header Panel Installation**

(Figure 401)

A. General

(1) This task gives the instructions to install the forward galley door doorway header panel.

B. References

Reference	Title
21-00-00-800-801	Supply Conditioned Air to the Airplane (P/B 201)
23-31-03-440-801	Attendant Speaker - Activation (P/B 201)
23-75-00-440-801	Video Surveillance System - Activation (P/B 201)
35-22-00-210-801	Oxygen Generator Visual Inspection (P/B 501)
52-11-00-860-804	Close the Door with the Interior Handle (P/B 201)

C. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
SPL-2005	Personnel Barrier - Passenger and Galley Door Part #: C52012-59 Supplier: 81205 Part #: C52012-66 Supplier: 81205

D. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 60
G50019	Tape - Flexible Foam Sound Damping And Sealing Tape	BMS8-283 Type I

E. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Header panel	25-21-34-01-040 25-21-34-01-120	SIA ALL SIA ALL
5	Plug button	25-21-34-01-015	SIA ALL
8	Seal depressor	52-09-16-05-030	SIA ALL

F. Location Zones

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

G. Prepare for the Installation

SUBTASK 25-21-34-210-001

(1) Check that the oxygen generator is activated, do this task: Oxygen Generator Visual Inspection, TASK 35-22-00-210-801.

SUBTASK 25-21-34-840-001

(2) Prepare the new header panel [1], do these steps:

(a) Apply adhesive, A00027, to the back edge of the header panel [1] where you will install the edge cap [2].

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SIA ALL

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- (b) Put the edge cap [2] on the back edge of the header panel [1].

SUBTASK 25-21-34-840-002

- (3) Prepare the same header panel [1] that you removed, do these steps:

- (a) Align the header panel [1] in the correct position.
 - 1) Align the edge cap [2] on the header panel [1] assembly.
 - 2) Move the header panel [1] up and inboard against the ceiling attach bracket and forward against the monument.
 - 3) Make sure that the screw [6] holes on the header panel [1] align with the nutplates.
 - 4) Make sure that the clearance is not more than 0.032 in. (0.813 mm) between the edge cap [2] and monument.
 - 5) If it is necessary, apply tape, G50019, to the area of the joint between the overlapping panels to align the mating edge caps [2].

NOTE: The total bonding area of the tape, G50019, must not exceed 9 in² (58 cm²).

- (b) If the clearance is not correct, do these steps:
 - 1) Remove the edge cap [2] from the header panel [1].
 - 2) If it is necessary, remove adhesive, A00027.
 - 3) If it is necessary, cut the edge cap [2] to get the correct clearance.
 - 4) Apply adhesive, A00027, to the back edge of the header panel [1].
 - 5) Put the edge cap [2] on the back edge of the header panel [1].
 - 6) Make sure that the clearance is not more than 0.032 in. (0.813 mm) between the edge cap [2] and monument.

H. Forward Galley Door Doorway Header Panel Installation

SUBTASK 25-21-34-420-003

- (1) Align the header panel [1] in the correct position.

SUBTASK 25-21-34-420-007

- (2) Connect the electrical connector [3].

- (a) Remove the protective caps from the electrical connections.

SUBTASK 25-21-34-420-011

- (3) Connect the electrical connector [11].

- (a) Remove the protective caps from the electrical connections.

SUBTASK 25-21-34-420-008

- (4) Connect the Environmental Control System (ECS) duct to the gasper.

- (a) Remove the protective caps from the duct connections.

SUBTASK 25-21-34-420-004

- (5) Install the washers [10] and bolts [4] to attach the top of the header panel [1] to the structure (View A-A, Figure 401).

SUBTASK 25-21-34-420-009

- (6) Install the screws [6] to attach the header panel [1] to the door opening (View C-C, Figure 401).

SUBTASK 25-21-34-420-005

- (7) Install the screws [9] to attach the seal retainers [7] to the header panel [1] (View B-B, Figure 401).

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SUBTASK 25-21-34-420-006

- (8) Install the seal depressor [8].

SUBTASK 25-21-34-420-010

- (9) Install the five plug buttons [5] on the top edge of the header panel [1] (View A-A, Figure 401).

I. Put the Airplane Back to Its Usual Condition

SUBTASK 25-21-34-410-001

- (1) Close the entry door.
- (a) Remove the personnel barrier, SPL-2005, from the door opening.
 - (b) Do this task: Close the Door with the Interior Handle, TASK 52-11-00-860-804.

SUBTASK 25-21-34-860-003

- (2) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
A	9	C00073	PASSENGER CABIN CREW CALL
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT

SUBTASK 25-21-34-860-004

- (3) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	7	C00156	OXYGEN IND
F	8	C00785	OXYGEN MAN CONT
F	9	C00784	OXYGEN PASS RIGHT
F	10	C00783	OXYGEN PASS LEFT

SUBTASK 25-21-34-800-002

- (4) Do this task: Supply Conditioned Air to the Airplane, TASK 21-00-00-800-801.

SUBTASK 25-21-34-440-001

- (5) Do this task: Attendant Speaker - Activation, TASK 23-31-03-440-801.

SUBTASK 25-21-34-440-002

- (6) Do this task: Video Surveillance System - Activation, TASK 23-75-00-440-801.

— END OF TASK —

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FORWARD GALLEY DOORWAY SIDEWALL LINING PANELS - REMOVAL/INSTALLATION

1. **General**

A. This procedure has these tasks:

- (1) Removal of the Forward Galley Doorway Sidewall Panel
- (2) Installation of the Forward Galley Doorway Sidewall Panel

TASK 25-21-35-020-801

2. **Forward Galley Doorway Sidewall Lining Panel - Removal**

(Figure 401)

A. General

- (1) This procedure only applies to the door sidewall panel installed on the structure around the forward galley doorway.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Panel Removal

SUBTASK 25-21-35-020-001

- (1) Remove the passenger equipment if it is necessary to get access to the door sidewall lining panels.

SUBTASK 25-21-35-020-002

- (2) Remove the screws [3] common to the depressor seal and seal retainer [1] and seal retainer [5].
 - (a) Remove the depressor seal and seal retainers.

SUBTASK 25-21-35-020-003

- (3) Remove the remaining countersunk screws [6] and washers [7] located under the depressor seal.

SUBTASK 25-21-35-020-005

- (4) Remove the door sidewall panel [2] that is FORWARD of the door.
 - (a) Move the door sidewall panel [2] up approximately one inch then AFT to remove it.

SUBTASK 25-21-35-020-006

- (5) Remove the door sidewall panel [4] that is AFT of the door.
 - (a) Move the door sidewall panel [4] up approximately one inch then FORWARD to remove it

———— **END OF TASK** ————

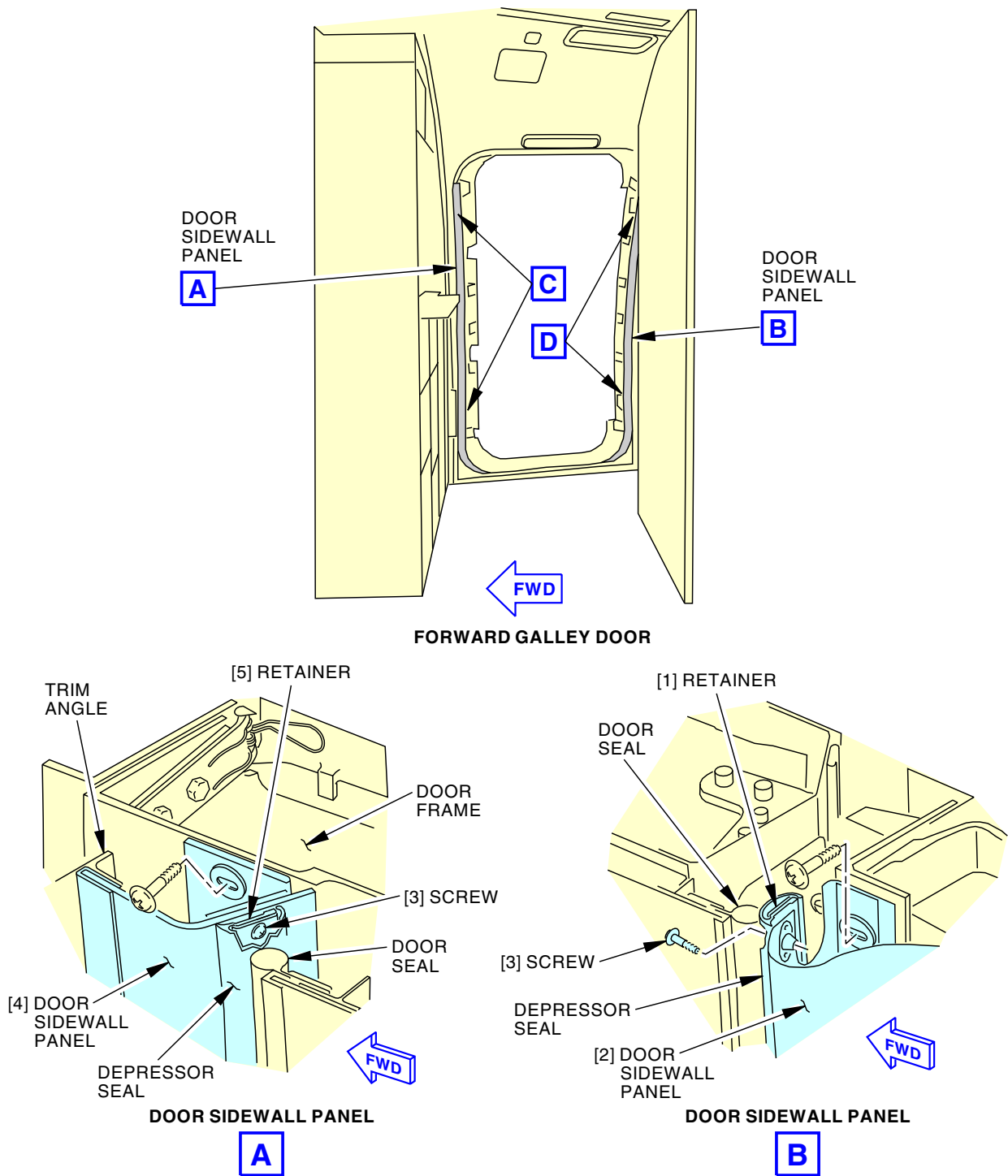
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Forward Galley Doorway Sidewall Panel Installation
Figure 401/25-21-35-990-802 (Sheet 1 of 2)

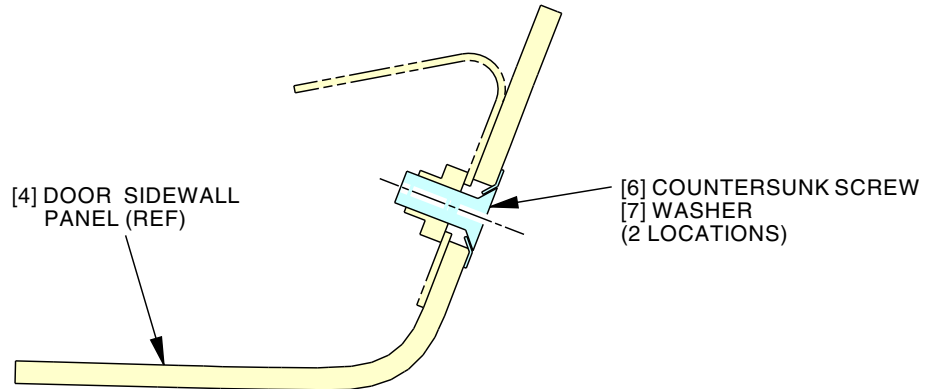
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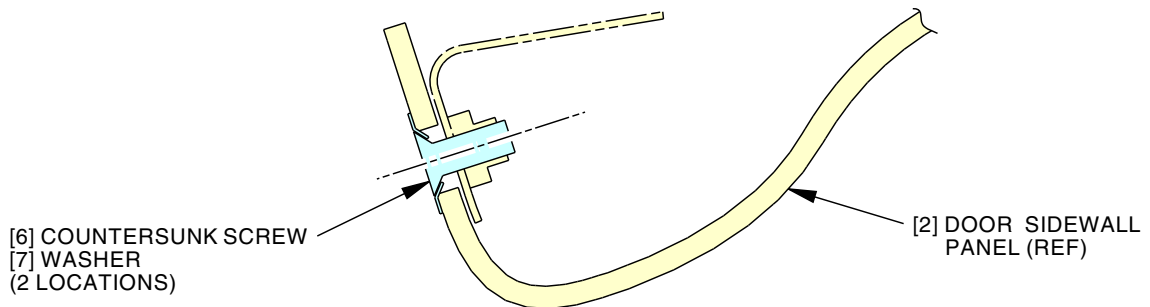
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FASTENERS UNDER DEPRESSOR SEAL

C



FASTENERS UNDER DEPRESSOR SEAL

D

2539853 S0000603158_V1

Forward Galley Doorway Sidewall Panel Installation
Figure 401/25-21-35-990-802 (Sheet 2 of 2)

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TASK 25-21-35-420-801

3. **Forward Galley Doorway Sidewall Lining Panel - Installation**

(Figure 401)

A. General

- (1) This procedure only applies to the sidewall lining panels installed on the structure around the forward galley doorway.

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
2	Door sidewall panel	25-21-35-95-060	SIA ALL
4	Door sidewall panel	25-21-35-95-080	SIA ALL

C. Location Zones

Zone	Area
200	Upper Half of Fuselage
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

D. Panel Installation

SUBTASK 25-21-35-420-001

- (1) Install the door sidewall panel [4] that is AFT of the door.
- (a) Move the door sidewall panel [4] AFT below the trim strip.
- (2) Secure the door sidewall panel [4] to the structure with countersunk screws [6] and washers [7].

SUBTASK 25-21-35-420-002

- (3) Install the door sidewall panel [2] that is FORWARD of the door.
- (a) Move the door sidewall panel [2] into the slot on the trim strip.
- (4) Secure the door sidewall panel [2] to the structure with countersunk screws [6] and washers [7].

SUBTASK 25-21-35-420-003

- (5) Install the depressor seal and the seal retainer [1] and seal retainer [5] with screws [3].

SUBTASK 25-21-35-420-004

- (6) Install the passenger equipment removed for access to the sidewall lining panels.

————— **END OF TASK** —————

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CEILING PANEL - REMOVAL/INSTALLATION

1. General

- A. This procedure has these tasks:
- (1) Main Ceiling Panel Removal
 - (2) Main Ceiling Panel Installation

TASK 25-21-45-000-801

2. Main Ceiling Panel - Removal

(Figure 401)

A. General

- (1) This task includes the steps to remove the main ceiling panel [1] from the passenger cabin.

B. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
SPL-13566	Installation/Removal Tool - 737 BSI Ceiling Panels Part #: C25002-1 Supplier: 81205

C. Location Zones

Zone	Area
230	Subzone - Passenger Compartment - Body Station 360.00 to 663.75
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

D. Prepare for the removal

SUBTASK 25-21-45-860-008

- (1) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT

SUBTASK 25-21-45-010-006

- (2) If necessary, remove the monuments, furnishings, or lowered ceiling panels that prevent the main ceiling panel [1] removal.

SUBTASK 25-21-45-020-002

- (3) If applicable, remove the emergency exit sign from the ceiling panel [1].

E. Ceiling Panel Removal

SUBTASK 25-21-45-020-001

 CAUTION	DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (1) Do these steps to remove the ceiling panel [1]:

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- (a) Push the release levers [2] to release the ceiling fittings on the ceiling panel [1].
NOTE: Each ceiling panel [1] has two ceiling fittings.
- (b) Move the ceiling panel [1] in the outboard direction until the inboard edge disengages from the air outlet extrusion [7].
 - 1) Use installation/removal tool, SPL-13566 if necessary.
- (c) Carefully lower the ceiling panel [1].
- (d) Disconnect the lanyard [8] from the ceiling panel [1].
- (e) Lift the ceiling panel [1] out of the stowage bin hinge-halves [6].
- (f) Remove the ceiling panel [1].
- (g) If necessary, remove the lanyard hook [9] from the ECS duct [10].

———— **END OF TASK** ————

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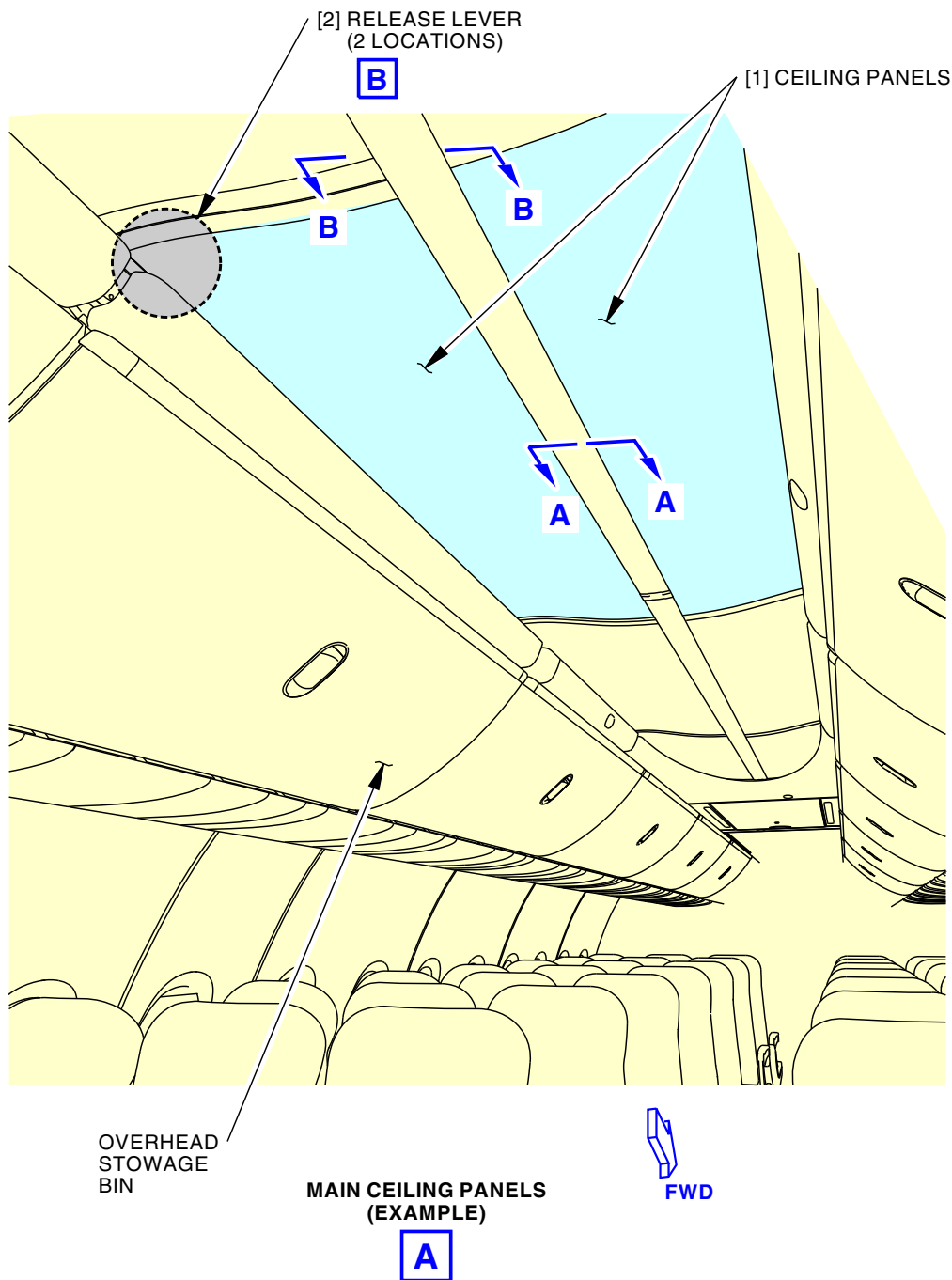
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Main Ceiling Panel Installation
Figure 401/25-21-45-990-807 (Sheet 1 of 4)

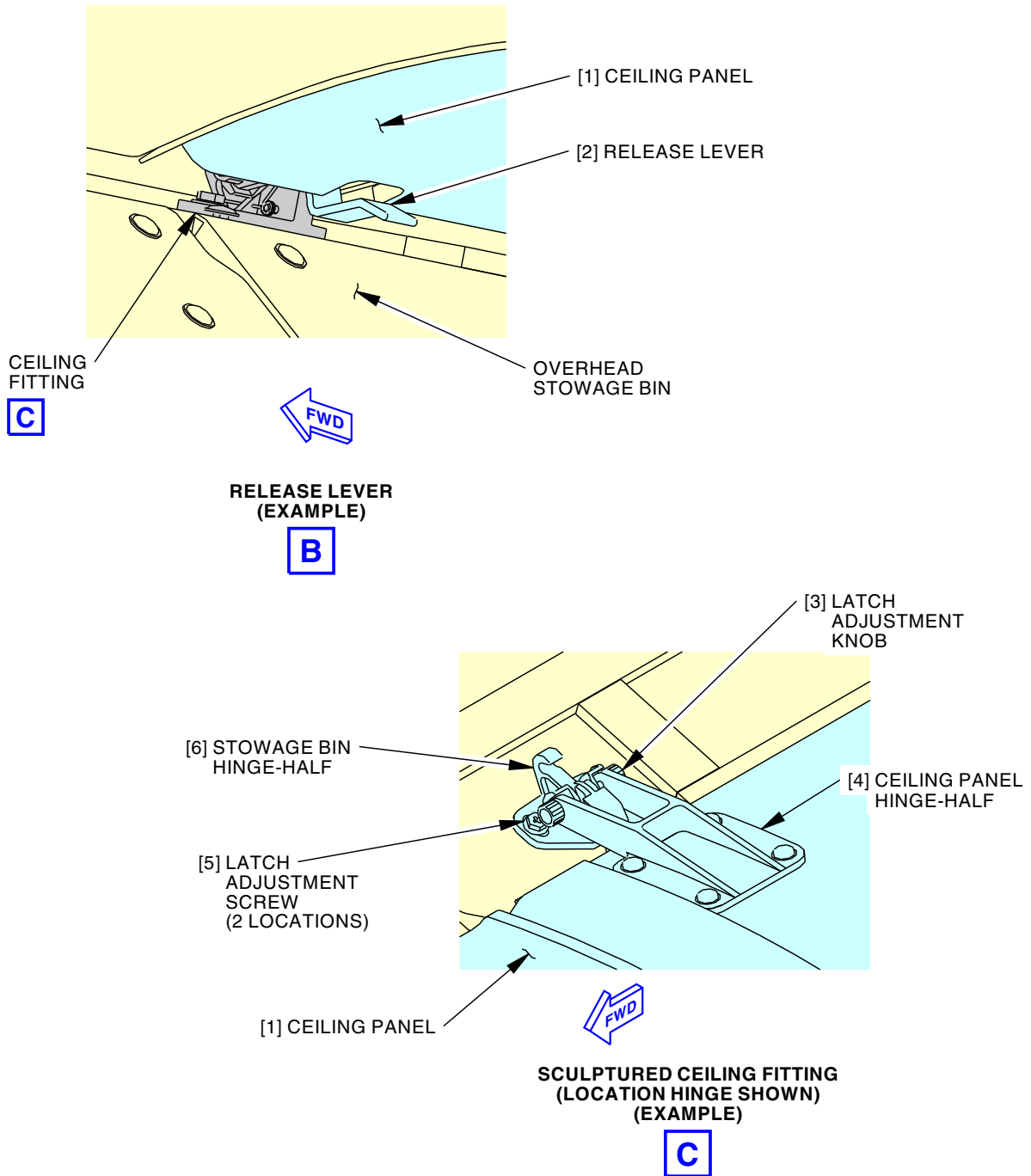
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Main Ceiling Panel Installation
Figure 401/25-21-45-990-807 (Sheet 2 of 4)

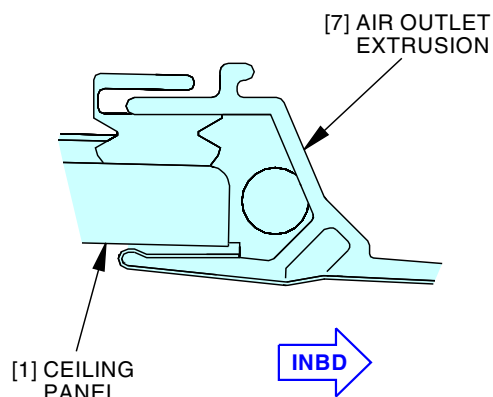
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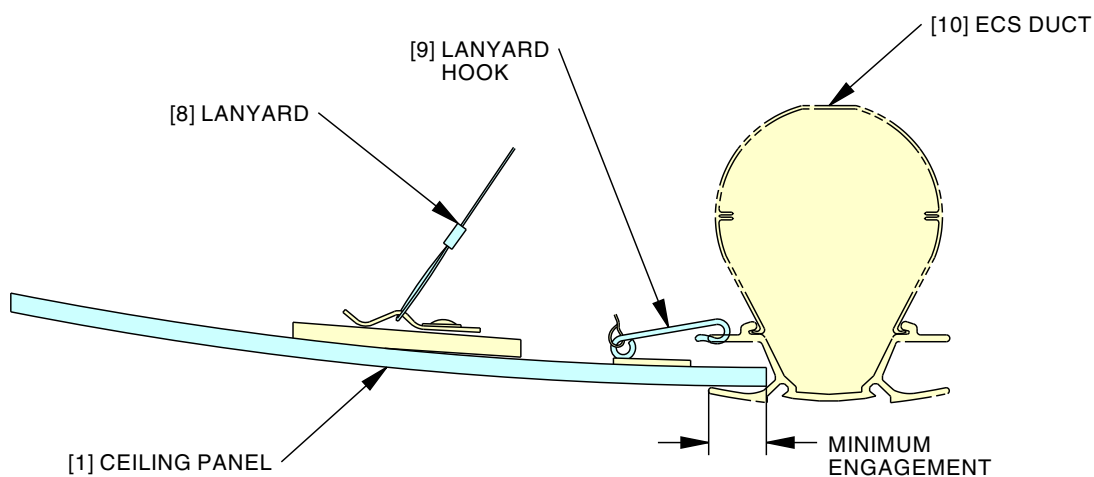
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A-A



(EXAMPLE)
B-B

2539213 S0000601742_V1

Main Ceiling Panel Installation
Figure 401/25-21-45-990-807 (Sheet 3 of 4)

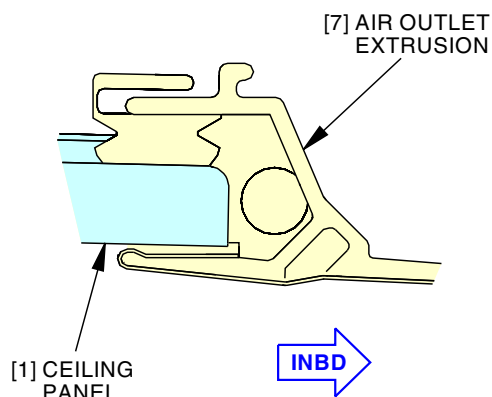
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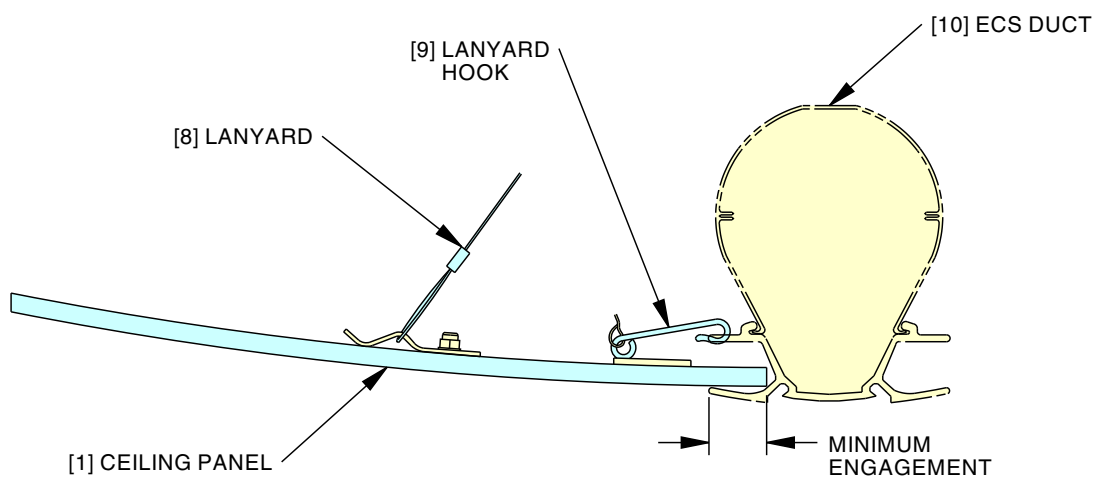
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A-A



(EXAMPLE)

B-B

2940515 S0000716724_V1

Main Ceiling Panel Installation
Figure 401/25-21-45-990-807 (Sheet 4 of 4)

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TASK 25-21-45-400-801

3. **Main Ceiling Panel - Installation**

(Figure 401)

A. General

(1) This task includes the steps to install the main ceiling panel [1] in the passenger cabin.

B. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt.", which stands for Optional.

Reference	Description
SPL-13566	Installation/Removal Tool - 737 BSI Ceiling Panels Part #: C25002-1 Supplier: 81205

C. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Ceiling panel	25-21-45-38A-020	SIA 011-999
		25-21-45-38A-025	SIA 011-999
		25-21-45-38A-030	SIA 011-999
		25-21-45-38A-035	SIA 011-999
		25-21-45-80B-010	SIA 011-999
		25-21-45-80B-015	SIA 011-999
		25-21-45-80D-010	SIA 011-999
		25-21-45-80D-015	SIA 011-999
		25-21-45-80D-020	SIA 011-999
		25-21-45-80D-025	SIA 011-999
		25-21-45-80D-030	SIA 011-999
		25-21-45-80D-035	SIA 011-999
		25-21-45-80D-040	SIA 011-999
		25-21-45-86-005	SIA 001-010
		25-21-45-86-010	SIA 001-010
		25-21-45-86-017	SIA 001-010
		25-21-45-86-020	SIA 001-010
		25-21-45-86-025	SIA 001-010
		25-21-45-86-030	SIA 001-010
		25-21-45-86-035	SIA 001-010
		25-21-45-86-050	SIA 001-010
		25-21-45-86-055	SIA 001-010
		25-21-45-86-060	SIA 001-010
		25-21-45-86-065	SIA 001-010
		25-21-45-86-070	SIA 001-010

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D. Location Zones

Zone	Area
230	Subzone - Passenger Compartment - Body Station 360.00 to 663.75
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

E. Ceiling Panel Installation

SUBTASK 25-21-45-420-001



DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (1) Do these steps to install the ceiling panel [1]:
 - (a) Make sure that the lanyard hook [9] is connected to the hole in the ECS duct [10].
 - (b) Place the outboard edge of the ceiling panel [1] over the stow bin, with the ceiling panel hinge-halves [4] resting over the stowage bin hinge-halves [6].
 - (c) Connect the lanyard [8] to the ceiling panel [1].
 - (d) Lift the inboard edge of the ceiling panel [1] until it engages with the air outlet extrusion [7].

SUBTASK 25-21-45-420-015

- (2) Align the panels if necessary.
 - (a) Make sure that there is a minimum engagement of 0.5000 in. (1.2700 cm) between the inboard edge of the ceiling panel [1] and the ECS duct [10].
 - 1) Use installation/removal tool, SPL-13566 if necessary.
 - (b) Make sure that the clearance between the ceiling panels [1] is uniform from left to right.
 - (c) Turn the latch adjustment knob [3] to move the ceiling panel [1] forward and aft.
 - 1) The latch adjustment knob [3] lets you adjust the ceiling panel [1] ± 0.15 in. (0.38 cm).
 - (d) Adjust the latch adjustment screws [5] to move the ceiling panel [1] inboard and outboard or up and down.
 - 1) The slots let you adjust the ceiling panel [1] ± 0.15 in. (0.38 cm).
 - 2) Make sure that you tighten the latch adjustment screws [5] after the adjustment.

F. Put the Airplane Back to Its Usual Condition

SUBTASK 25-21-45-410-017

- (1) If removed, install the emergency exit sign.

SUBTASK 25-21-45-410-018

- (2) Install the monuments, furnishings, or lowered ceiling panels that you removed for access.

SUBTASK 25-21-45-860-009

- (3) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT

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————— END OF TASK —————

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SIDEWALL PANEL ASSEMBLY - REMOVAL/INSTALLATION

1. General

A. This procedure contains these tasks:

- (1) A removal of the sidewall panel
- (2) An installation of the sidewall panel.

TASK 25-21-46-000-801

2. Sidewall Panel - Removal

(Figure 401)

A. **General**

- (1) This task includes the steps to remove the sidewall panel [1] from the passenger compartment.

B. **References**

Reference	Title
21-23-03-000-801	Return Air Grille Removal (P/B 201)
25-21-12-000-801	Snap In Window Shade and Reveal Assembly Removal (P/B 401)
25-22-00-000-801	Passenger Seat Removal (P/B 401)

C. **Location Zones**

Zone	Area
118	Electrical and Electronics Compartment - Right
200	Upper Half of Fuselage

D. **Access Panels**

Number	Name/Location
117A	Electronic Equipment Access Door

E. **Prepare for the Removal**

SUBTASK 25-21-46-010-004

- (1) To get access to the P92 panel, open this access panel:

Number	Name/Location
117A	Electronic Equipment Access Door

SUBTASK 25-21-46-860-001



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (2) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 2, P92

Row	Col	Number	Name
E	11	C00594	WINDOW LIGHT RIGHT
E	12	C00776	WINDOW LIGHT LEFT

SIA 001-014

SUBTASK 25-21-46-010-001

- (3) If necessary, remove the passenger seats for access to the sidewall panel [1].
 - (a) Do this task: Passenger Seat Removal, TASK 25-22-00-000-801.

SIA ALL

SUBTASK 25-21-46-010-002

- (4) If necessary, remove the window shade and reveal assembly.
 - (a) Do this task: Snap In Window Shade and Reveal Assembly Removal, TASK 25-21-12-000-801.

SUBTASK 25-21-46-010-003

- (5) Do this task to remove the air grille from below the sidewall panel [1]: Return Air Grille Removal, TASK 21-23-03-000-801.

F. Sidewall Panel Removal

SUBTASK 25-21-46-020-002



DO NOT SCRATCH OR HIT THE SIDEWALL PANEL ASSEMBLIES WHEN YOU REMOVE OR INSTALL THE TRIM STRIPS. YOU CAN EASILY CAUSE DAMAGE TO THE SIDEWALL PANELS.

- (1) Remove the trim strips [2] on each side of the sidewall panel [1].
 - (a) Pull the trim strips [2] down and out of the sidewall panel track until they are clear of the sidewall panel [1].

SUBTASK 25-21-46-020-003

- (2) Hold the sidewall panel [1] while you remove the screws [4], retainers [3], and washers [5] at the shock mounts [6].

SUBTASK 25-21-46-020-006



DO NOT SCRATCH OR HIT THE SIDEWALL PANEL ASSEMBLIES WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE SIDEWALL PANELS.

- (3) Remove the sidewall panel [1].

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- (a) Move the sidewall panel [1] down until the top edge of the panel disengages from the air outlet extrusion.
- (b) Disconnect the electrical connector from the sidewall light if necessary.
- (c) Remove the sidewall panel [1] from the frame [7].

———— **END OF TASK** ————

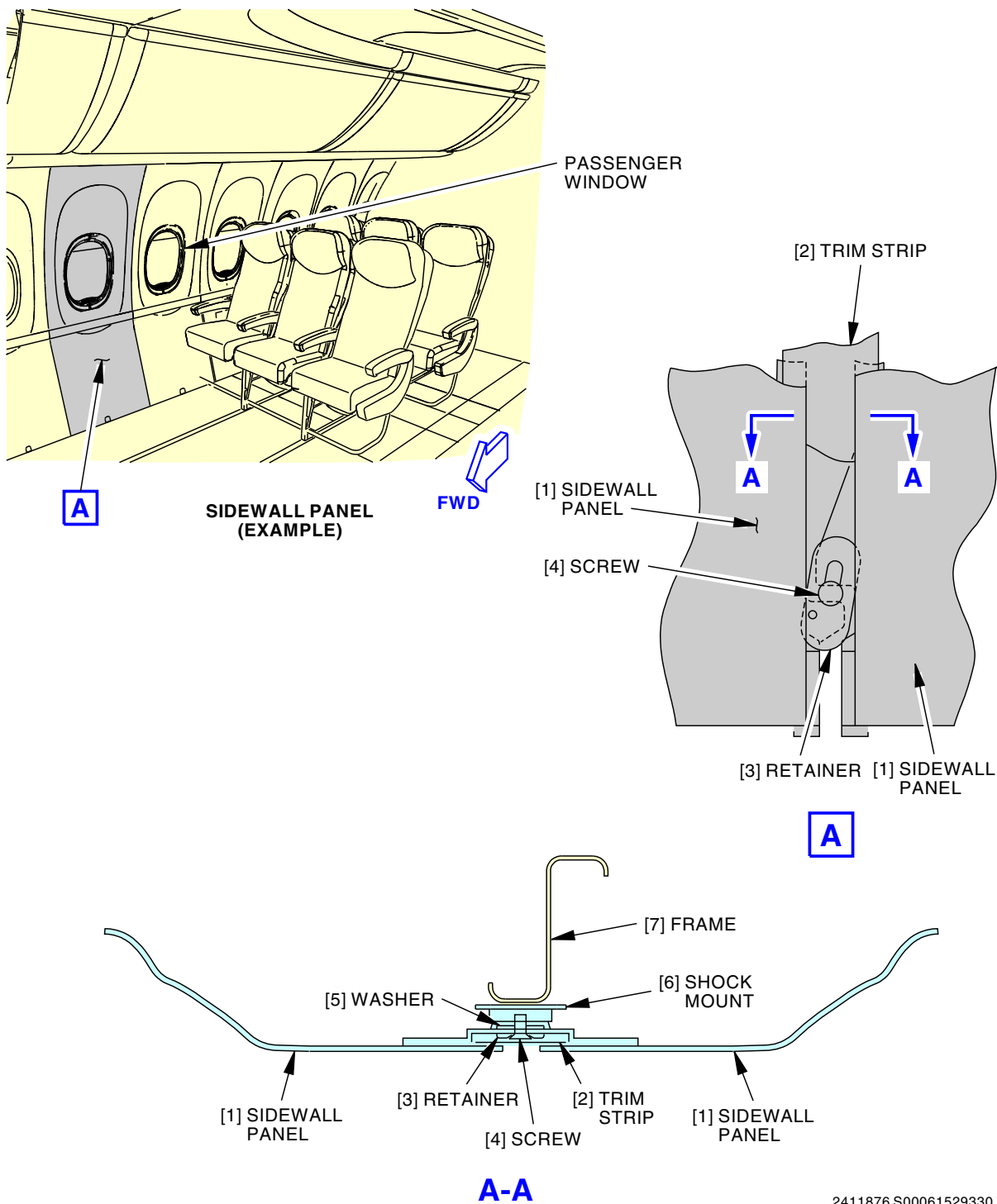
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Sidewall Panel Installation
Figure 401/25-21-46-990-801

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TASK 25-21-46-400-801

3. Sidewall Panel - Installation

(Figure 401)

A. General

(1) This task includes the steps to install the sidewall panel [1] in the passenger compartment.

B. References

Reference	Title
21-23-03-400-802	Return Air Grille Installation (P/B 201)
25-21-12-400-802	Snap In Window Shade and Reveal Assembly Installation (P/B 401)
25-22-00-400-801	Passenger Seat Installation (P/B 401)

C. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Sidewall panel	25-21-46-07-025	SIA 001-003
		25-21-46-07-030	SIA 001-003
		25-21-46-07-115	SIA 001-003
		25-21-46-07-120	SIA 001-003
		25-21-46-07A-025	SIA 004-999
		25-21-46-07A-070	SIA 004-015
		25-21-46-07A-075	SIA 004-015
		25-21-46-07A-105	SIA 004-999
		25-21-46-08-030	SIA 001-003
		25-21-46-08-035	SIA 001-003
		25-21-46-08-040	SIA 001-003
		25-21-46-08-080	SIA 001-003
		25-21-46-08-085	SIA 001-003
		25-21-46-08-090	SIA 001-003
		25-21-46-08-095	SIA 001-003
		25-21-46-08-100	SIA 001-003
		25-21-46-08-105	SIA 001-003
		25-21-46-08-107	SIA 001-003
		25-21-46-08-165	SIA 001-003
		25-21-46-08-200	SIA 001-003
		25-21-46-08-230	SIA 001-003
		25-21-46-08-260	SIA 001-003
		25-21-46-08-290	SIA 001-003
		25-21-46-08-320	SIA 001-003
		25-21-46-08-325	SIA 001-003
		25-21-46-08-330	SIA 001-003
		25-21-46-08-370	SIA 001-003
		25-21-46-08-400	SIA 001-003
		25-21-46-08-430	SIA 001-003

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(Continued)

AMM Item	Description	AIPC Reference	AIPC Effectivity
1 (cont.)		25-21-46-08-460	SIA 001-003
		25-21-46-08-490	SIA 001-003
		25-21-46-08A-020	SIA 004-999
		25-21-46-08A-025	SIA 004-999
		25-21-46-08A-030	SIA 004-999
		25-21-46-08A-085	SIA 004-999
		25-21-46-08A-090	SIA 004-999
		25-21-46-08A-095	SIA 004-999
		25-21-46-08A-100	SIA 004-999
		25-21-46-08A-105	SIA 004-999
		25-21-46-08A-110	SIA 004-999
		25-21-46-08A-115	SIA 004-999
		25-21-46-08A-190	SIA 004-999
		25-21-46-08A-240	SIA 004-999
		25-21-46-08A-285	SIA 004-999
		25-21-46-08A-330	SIA 004-999
		25-21-46-08A-375	SIA 004-999
		25-21-46-08A-420	SIA 004-999
		25-21-46-08A-460	SIA 004-999
		25-21-46-08A-530	SIA 004-999
		25-21-46-08A-535	SIA 004-999
		25-21-46-08A-540	SIA 004-999
		25-21-46-08A-595	SIA 004-999
		25-21-46-08A-640	SIA 004-999
		25-21-46-08A-685	SIA 004-999
		25-21-46-24-025	SIA 001-003
		25-21-46-24-230	SIA 001-003
		25-21-46-24-250	SIA 001-003
		25-21-46-24A-030	SIA 004-014
		25-21-46-24A-075	SIA 004-999
		25-21-46-24A-220	SIA 004-014
		25-21-46-27-055	SIA 001-003
		25-21-46-27-095	SIA 001-003
		25-21-46-27-245	SIA 001-003
		25-21-46-27-270	SIA 001-003
		25-21-46-27A-045	SIA 004-999
		25-21-46-27A-090	SIA 004-999
		25-21-46-27B-045	SIA 004-999
		25-21-46-27B-090	SIA 004-999

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D. Location Zones

Zone	Area
118	Electrical and Electronics Compartment - Right
200	Upper Half of Fuselage

E. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

F. Sidewall Panel Installation

SUBTASK 25-21-46-420-001



DO NOT SCRATCH OR HIT THE SIDEWALL PANEL ASSEMBLIES WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE SIDEWALL PANELS.

- (1) Install the sidewall panel [1] to the frame [7].

NOTE: The sidewall panel can be trimmed to fit if necessary. Trim only the edge of the panel that touches a monument.

- (a) Connect the electrical connector to the sidewall light if necessary.
- (b) Put the top edge of the sidewall panel [1] into the air outlet extrusion.

SUBTASK 25-21-46-420-004

- (2) Align and hold the sidewall panel [1] while you install the screws [4], washers [5], and retainers [3] at the shock mounts [6].

- (a) Do not tighten the screws [4] at this time.

SUBTASK 25-21-46-420-005



DO NOT SCRATCH OR HIT THE SIDEWALL PANEL ASSEMBLIES WHEN YOU REMOVE OR INSTALL THE TRIM STRIPS. YOU CAN EASILY CAUSE DAMAGE TO THE SIDEWALL PANELS.

- (3) Install the trim strips [2].

NOTE: The trim strips can be trimmed to fit if necessary.

- (a) Put the trim strips [2] into the bottom edges of the sidewall panel [1].
- (b) Lift the trim strips [2] to the lower shock mounts [6]
- (c) Install the screws [4] at the lower shock mounts [6] to align the sidewall panel [1].
 - 1) Tighten the screws [4] from 25 in-lb (29 kg-cm) to 30 in-lb (35 kg-cm).
- (d) Do these steps again at each shock mount [6]:
 - 1) Lift the trim strips [2] to the next shock mount [6].
 - 2) Install the screws [4].
 - 3) Tighten the screws [4] from 25 in-lb (29 kg-cm) to 30 in-lb (35 kg-cm).

G. Put the Airplane Back to Its Usual Condition

SUBTASK 25-21-46-410-002

- (1) Do this task to install the air grille: Return Air Grille Installation, TASK 21-23-03-400-802.

SUBTASK 25-21-46-410-001

- (2) If removed, install the window shade and reveal assembly.

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- (a) Do this task: Snap In Window Shade and Reveal Assembly Installation, TASK 25-21-12-400-802.

SIA 001-014

SUBTASK 25-21-46-410-003

- (3) If removed, install the passenger seats.
- (a) Do this task: Passenger Seat Installation, TASK 25-22-00-400-801.

SIA ALL

SUBTASK 25-21-46-860-002



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (4) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	11	C00594	WINDOW LIGHT RIGHT
E	12	C00776	WINDOW LIGHT LEFT

SUBTASK 25-21-46-410-004

- (5) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-21-46-710-001

- (6) Do an operational check of the applicable electrical equipment.

————— **END OF TASK** —————

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LOWERED CEILING PANELS - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) A removal of the lowered ceiling
 - (a) You must remove the individual panels of the forward or aft lowered ceiling in the order shown in this task.
- (2) An installation of the lowered ceiling
 - (a) You must install the individual panels of the forward or aft lowered ceiling in the order shown in this task.
- (3) A removal of the cove bullnose panel
- (4) An installation of the cove bullnose panel
- (5) A removal of the horseshoe panel
- (6) An installation of the horseshoe panel
- (7) A removal of the cove horseshoe panel
- (8) An installation of the cove horseshoe panel
- (9) A removal of the close out panel
- (10) An installation of the close out panel
- (11) A removal of the forward entry panel
- (12) An installation of the forward entry panel
- (13) A removal of the aft entry panel
- (14) An installation of the aft entry panel.

TASK 25-21-71-000-801

2. Lowered Ceiling Removal

(Figure 401)

A. **General**

- (1) This task includes the steps to remove the forward and aft lowered ceilings from the passenger cabin.
- (2) You must remove the individual panels of the lowered ceiling in the order shown in this procedure.

B. **Location Zones**

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right
230	Subzone - Passenger Compartment - Body Station 360.00 to 663.75
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

C. **Access Panels**

Number	Name/Location
117A	Electronic Equipment Access Door

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D. Prepare for the Removal

SUBTASK 25-21-71-010-033

- (1) To get access to the P91 and P92 panels, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-21-71-860-015

- (2) To remove the forward lowered ceiling, open all related circuit breakers.

- (a) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C01936	ATTENDANT PANELS

F/O Electrical System Panel, P6-4

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	9	C00155	ENTRY LIGHTS DIM



WARNING

WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



WARNING

DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (b) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	3	C00140	WORK AND THSHD LTS

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	5	C01939	COVE LIGHT

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SUBTASK 25-21-71-860-019

- (3) To remove the mid lowered ceiling, open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT

SUBTASK 25-21-71-860-016

- (4) To remove the aft lowered ceiling, open all related circuit breakers.

- (a) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-2

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	9	C00109	FLIGHT RECORDER AC
C	10	C00468	FLIGHT RECORDER DC

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN
F	7	C00156	OXYGEN IND
F	8	C00785	OXYGEN MAN CONT
F	9	C00784	OXYGEN PASS RIGHT
F	10	C00783	OXYGEN PASS LEFT

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C01936	ATTENDANT PANELS

F/O Electrical System Panel, P6-4

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	9	C00155	ENTRY LIGHTS DIM

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
B	18	C01949	CABIN EMER LIGHTS



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (b) Open this circuit breaker and install safety tag:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	5	C01939	COVE LIGHT

SUBTASK 25-21-71-010-031

- (5) If necessary, remove the monuments or furnishings that prevent the removal of the forward or aft lowered ceiling.

E. Forward Lowered Ceiling Removal

SUBTASK 25-21-71-020-001

- (1) Remove the forward cove bullnose panel assembly [1].
(a) Do this task: Cove Bullnose Ceiling Panel Removal, TASK 25-21-71-000-802.

SUBTASK 25-21-71-020-002

- (2) Remove the horseshoe panel assembly [2].
(a) Do this task: Horseshoe Ceiling Panel Removal, TASK 25-21-71-000-803.

SUBTASK 25-21-71-020-003

- (3) Remove the close out panel assembly [3].
(a) Do this task: Close Out Ceiling Panel Removal, TASK 25-21-71-000-805.

SUBTASK 25-21-71-020-004

- (4) Remove the forward entry panel assembly [4].
(a) Do this task: Forward Entry Ceiling Panel Removal, TASK 25-21-71-000-806.

F. Mid Lowered Ceiling Removal

(Figure 402)

SUBTASK 25-21-71-010-032

- (1) Remove the mid cove bullnose panel assembly [8] and mid cove bullnose panel assembly [9].
(a) Do this task: Cove Bullnose Ceiling Panel Removal, TASK 25-21-71-000-802.

G. Aft Lowered Ceiling Removal

SUBTASK 25-21-71-020-005

- (1) Remove the aft cove bullnose panel assembly [5].
(a) Do this task: Cove Bullnose Ceiling Panel Removal, TASK 25-21-71-000-802.

SUBTASK 25-21-71-020-006

- (2) Remove the cove horseshoe panel assembly [6].
(a) Do this task: Cove Horseshoe Ceiling Panel Removal, TASK 25-21-71-000-804.

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SUBTASK 25-21-71-020-051

- (3) Remove the aft entry panel assembly [7].
 - (a) Do this task: Aft Entry Ceiling Panel Removal, TASK 25-21-71-000-807.

———— **END OF TASK** ————

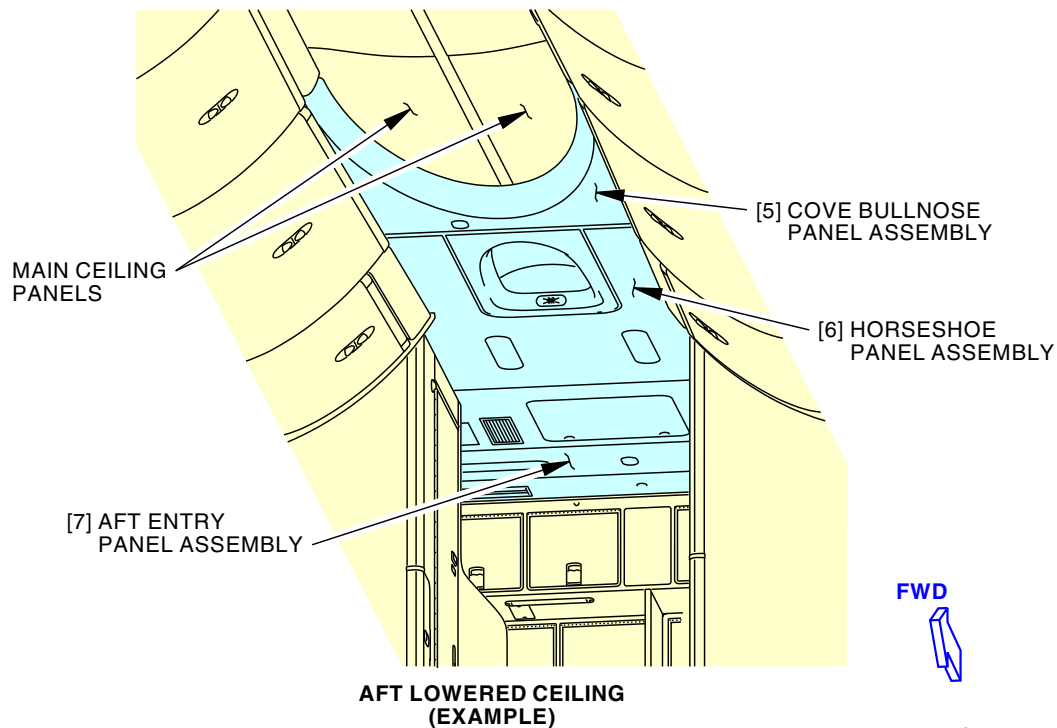
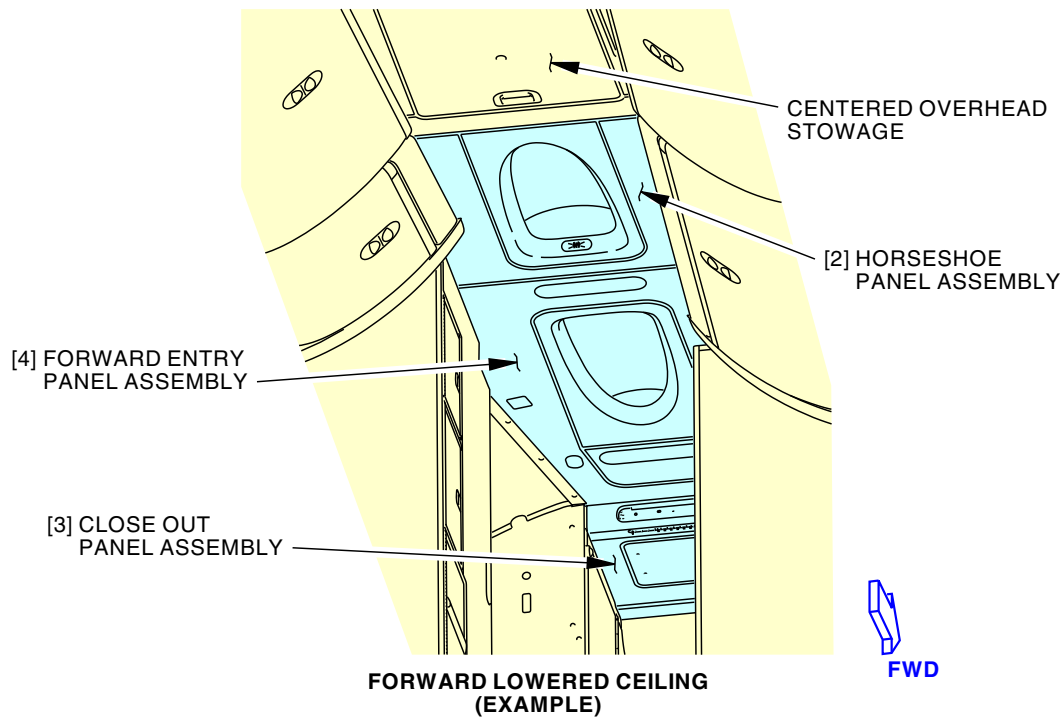
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Lowered Ceiling Installation
Figure 401/25-21-71-990-810

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TASK 25-21-71-400-801

3. **Lowered Ceiling Installation**

(Figure 401)

A. General

- (1) This task includes the steps to install the forward and aft lowered ceilings in the passenger cabin.
- (2) You must install the individual panels of the lowered ceiling panels in the order shown in this procedure.

B. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right
230	Subzone - Passenger Compartment - Body Station 360.00 to 663.75
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

C. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

D. Forward Lowered Ceiling Installation

SUBTASK 25-21-71-420-001

- (1) Install the forward entry panel assembly [4].
 - (a) Do this task: Forward Entry Ceiling Panel Installation, TASK 25-21-71-400-806.

SUBTASK 25-21-71-420-002

- (2) Install the close out panel assembly [3].
 - (a) Do this task: Close Out Ceiling Panel Installation, TASK 25-21-71-400-805.

SUBTASK 25-21-71-420-003

- (3) Install the horseshoe panel assembly [2].
 - (a) Do this task: Horseshoe Ceiling Panel Installation, TASK 25-21-71-400-803.

SUBTASK 25-21-71-420-004

- (4) Install the forward cove bullnose panel assembly [1].
 - (a) Do this task: Cove Bullnose Ceiling Panel Removal, TASK 25-21-71-000-802.

E. Mid Lowered Ceiling Installation

(Figure 402)

SUBTASK 25-21-71-410-029

- (1) Install the mid cove bullnose panel assembly [8] and mid cove bullnose panel assembly [9].
 - (a) Do this task: Cove Bullnose Ceiling Panel Removal, TASK 25-21-71-000-802.

F. Aft Lowered Ceiling Installation

SUBTASK 25-21-71-420-005

- (1) Install the aft entry panel assembly [7].
 - (a) Do this task: Aft Entry Ceiling Panel Installation, TASK 25-21-71-400-807.

SUBTASK 25-21-71-420-040

- (2) Install the cove horseshoe panel assembly [6].

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- (a) Do this task: Cove Horseshoe Ceiling Panel Installation, TASK 25-21-71-400-804.

SUBTASK 25-21-71-420-041

- (3) Install the aft cove bullnose panel assembly [5].

- (a) Do this task: Cove Bullnose Ceiling Panel Installation, TASK 25-21-71-400-802.

G. Put the Airplane Back to Its Usual Condition

SUBTASK 25-21-71-860-017

- (1) For the forward lowered ceiling, close all related circuit breakers.



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (a) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	3	C00140	WORK AND THSHD LTS

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	5	C01939	COVE LIGHT

- (b) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C01936	ATTENDANT PANELS

F/O Electrical System Panel, P6-4

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	9	C00155	ENTRY LIGHTS DIM

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SUBTASK 25-21-71-860-020

- (2) For the mid lowered ceiling, remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT

SUBTASK 25-21-71-860-018

- (3) For the aft lowered ceiling, close all related circuit breakers.



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (a) Remove the safety tag and close this circuit breaker:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	5	C01939	COVE LIGHT

- (b) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-2

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	9	C00109	FLIGHT RECORDER AC
C	10	C00468	FLIGHT RECORDER DC

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN
F	7	C00156	OXYGEN IND
F	8	C00785	OXYGEN MAN CONT
F	9	C00784	OXYGEN PASS RIGHT
F	10	C00783	OXYGEN PASS LEFT

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F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C01936	ATTENDANT PANELS

F/O Electrical System Panel, P6-4

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	9	C00155	ENTRY LIGHTS DIM

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
B	18	C01949	CABIN EMER LIGHTS

SUBTASK 25-21-71-410-030

(4) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

————— END OF TASK —————

TASK 25-21-71-000-802

4. Cove Bullnose Ceiling Panel Removal

(Figure 402)

A. General

- (1) This task includes the steps to remove the cove bullnose panel from the passenger cabin.
- (2) There are these types of cove bullnose panels:
 - (a) Forward cove bullnose panel.
 - (b) Mid cove bullnose panel, forward of the Center Overhead Stowage (COS).
 - (c) Mid cove bullnose panel, aft of the COS.
 - (d) Aft cove bullnose panel.

B. References

<u>Reference</u>	<u>Title</u>
25-24-31-000-801	Overhead Stowage Bin - Removal (P/B 401)
25-24-31-000-802	Overhead Stowage Bin Module - Removal (P/B 401)

C. Tools/Equipment

<u>Reference</u>	<u>Description</u>
STD-15030	Wrench - Allen, 1/8 inch

D. Location Zones

<u>Zone</u>	<u>Area</u>
230	Subzone - Passenger Compartment - Body Station 360.00 to 663.75
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

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E. Prepare for the Removal

SUBTASK 25-21-71-860-009

- (1) Make sure that these circuit breakers are open and have safety tags:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT

SUBTASK 25-21-71-010-018

- (2) If it is necessary, remove the monuments or furnishings that prevent the panel removal.

SUBTASK 25-21-71-010-019

- (3) If it is necessary to get access, remove the overhead stowage bins or overhead stowage bin modules.
 - (a) Do one of these tasks: Overhead Stowage Bin Module - Removal, TASK 25-24-31-000-802 or Overhead Stowage Bin - Removal, TASK 25-24-31-000-801.

F. Forward Cove Bullnose Panel Removal

SUBTASK 25-21-71-020-034

- (1) Disconnect the electrical connector [14] above the cove bullnose panel assembly [1].
 - (a) Install caps on the electrical connections to prevent contamination.

SUBTASK 25-21-71-020-035



DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (2) Do these steps to remove the forward cove bullnose panel assembly [1]:
 - (a) Remove the screws [21] and washers [22] from the bracket assemblies [20].
 - (b) Remove the screws [18] and washers [19] from the bracket assemblies [11].
 - (c) Turn the cove bullnose panel assembly [1] out of its position.
 - (d) Remove the cove bullnose panel assembly [1].

G. Mid Cove Bullnose Panel Removal, Forward of COS

SUBTASK 25-21-71-020-040

- (1) Disconnect the electrical connector [14] above the cove bullnose panel assembly [8].
 - (a) Install caps on the electrical connections to prevent contamination.

SUBTASK 25-21-71-020-036



DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (2) Do these steps to remove the mid cove bullnose panel assembly [8] that is forward of the COS:
 - (a) Remove the screws [24] from the bracket assemblies [23].
 - (b) Remove the screws [18] and washers [19] from the bracket assemblies [11].

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- (c) Turn the cove bullnose panel assembly [8] out of its position.
- (d) Remove the cove bullnose panel assembly [8].

H. Mid Cove Bullnose Panel Removal, Aft of COS

SUBTASK 25-21-71-020-041

- (1) Disconnect the electrical connector [14] above the cove bullnose panel assembly [9].
 - (a) Install caps on the electrical connections to prevent contamination.

SUBTASK 25-21-71-020-037



CAUTION

DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (2) Do these steps to remove the mid cove bullnose panel assembly [9] that is aft of the COS:
 - (a) Remove the screws [21] and washers [22] from the bracket assemblies [20].
 - (b) Remove the screws [18] and washers [19] from the bracket assemblies [11].
 - (c) Turn the cove bullnose panel assembly [9] out of its position.
 - (d) Remove the cove bullnose panel assembly [9].

I. Aft Cove Bullnose Panel Removal

SUBTASK 25-21-71-010-021

- (1) If necessary, do these steps to open the cove dome panel that is in the adjacent horseshoe panel assembly:
 - (a) Find the two access holes in the space between the cove bullnose panel assembly [5] and the horseshoe panel assembly.
 - (b) Put a 1/8 inch allen wrench, STD-15030, through the access holes.
 - (c) Turn the 1/8 inch allen wrench, STD-15030, 90° arc (2 rad) counterclockwise to release the latches.

NOTE: This will let the cove dome panel open a small distance.
 - (d) Disconnect the lanyard.
 - (e) Open the cove dome panel fully.

SUBTASK 25-21-71-020-039

- (2) Disconnect the electrical connector [14] above the cove bullnose panel assembly [5].
 - (a) Install caps on the electrical connections to prevent contamination.

SUBTASK 25-21-71-020-038



CAUTION

DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (3) Do these steps to remove the aft cove bullnose panel assembly [5]:
 - (a) Remove the screws [16] and washers [17] from the bracket assemblies [12].
 - (b) Remove the screws [16] and washers [17] from the bracket assembly [13].
 - (c) Remove the screws [18] and washers [19] from the bracket assemblies [11].
 - (d) Turn the cove bullnose panel assembly [5] out of its position.

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- (e) Remove the cove bullnose panel assembly [5].

———— **END OF TASK** ————

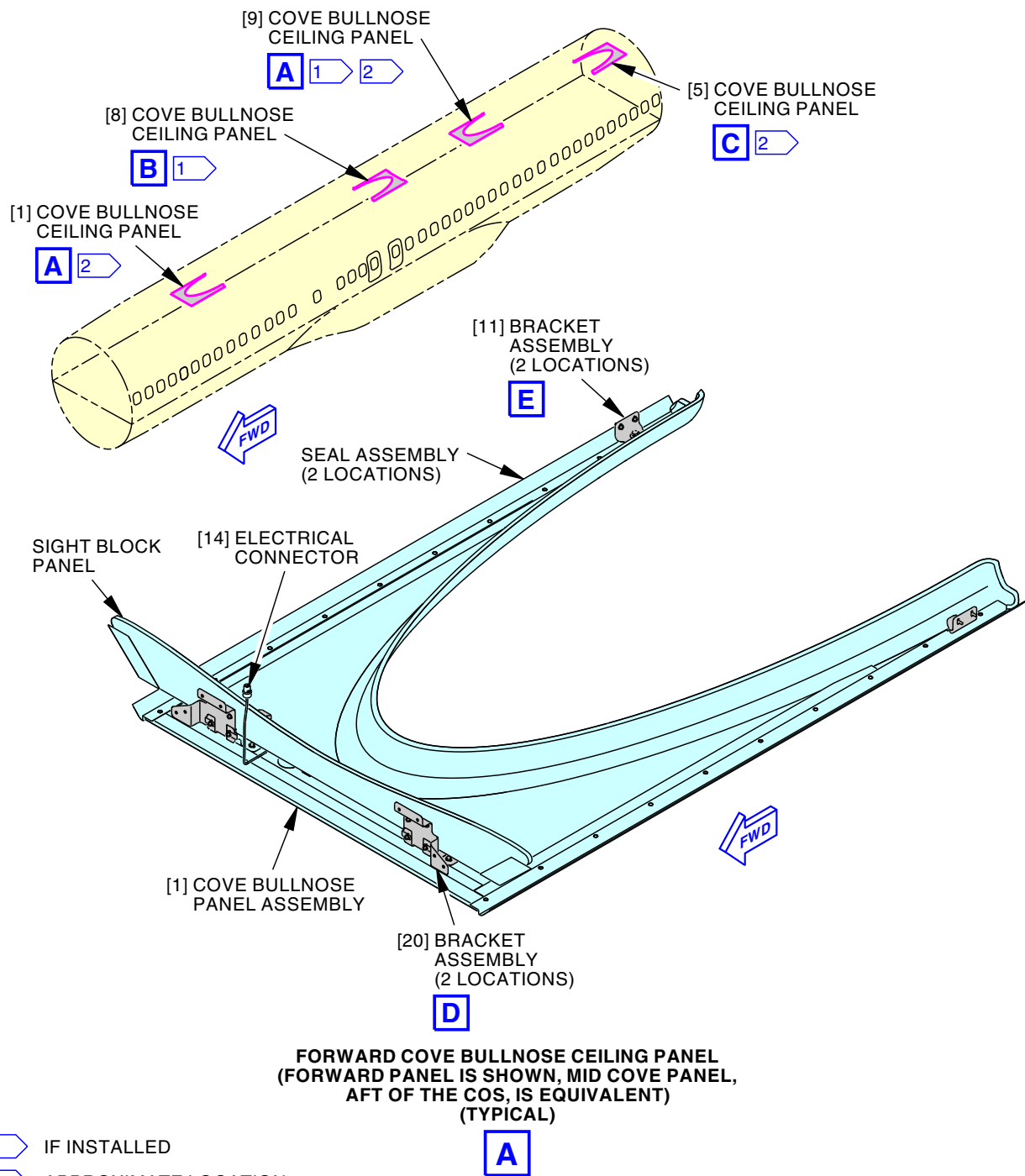
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2536832 S0000601466_V3

Cove Bullnose Ceiling Panel Installation
Figure 402/25-21-71-990-803 (Sheet 1 of 4)

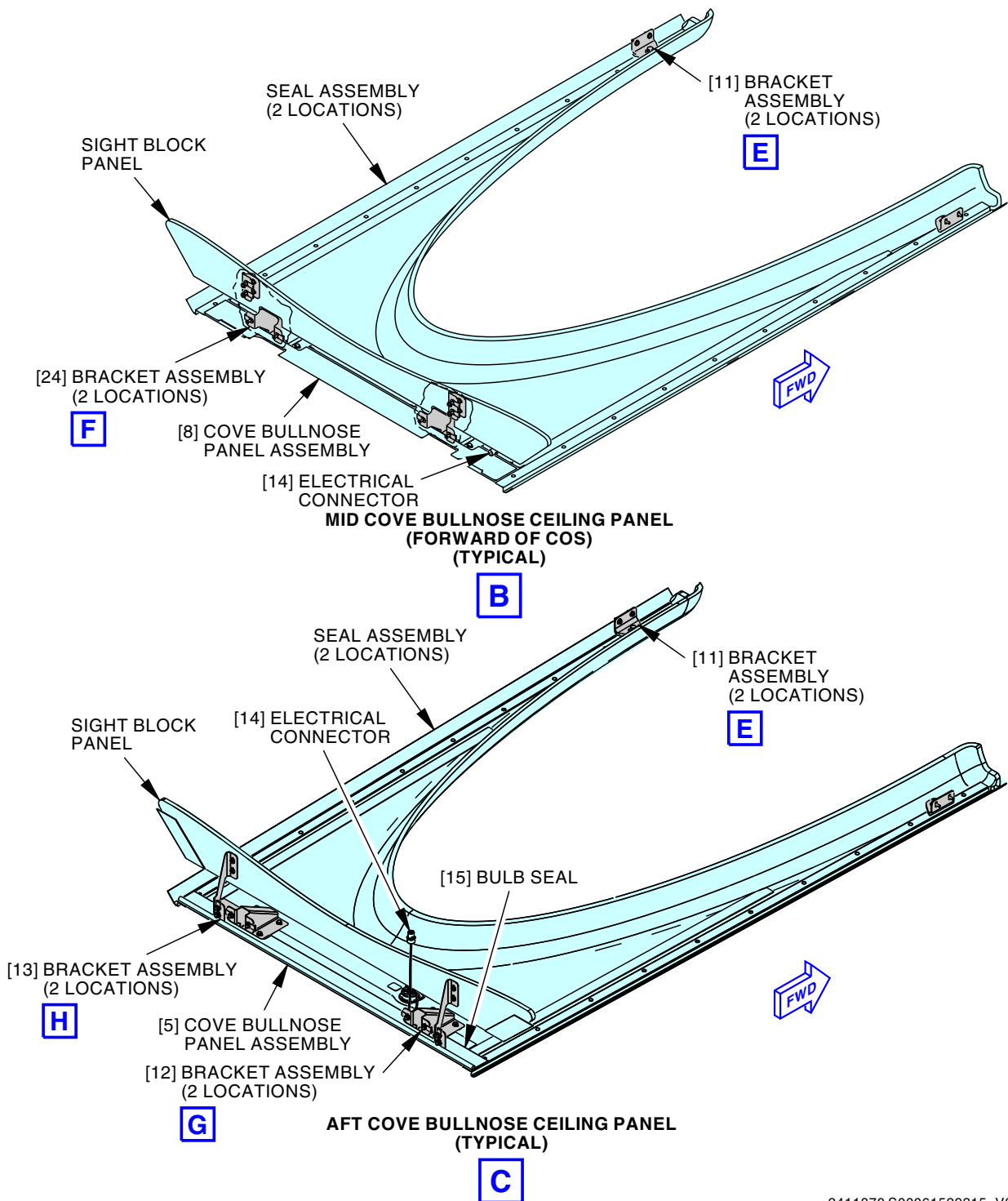
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2411870 S00061529315_V3

Cove Bullnose Ceiling Panel Installation
Figure 402/25-21-71-990-803 (Sheet 2 of 4)

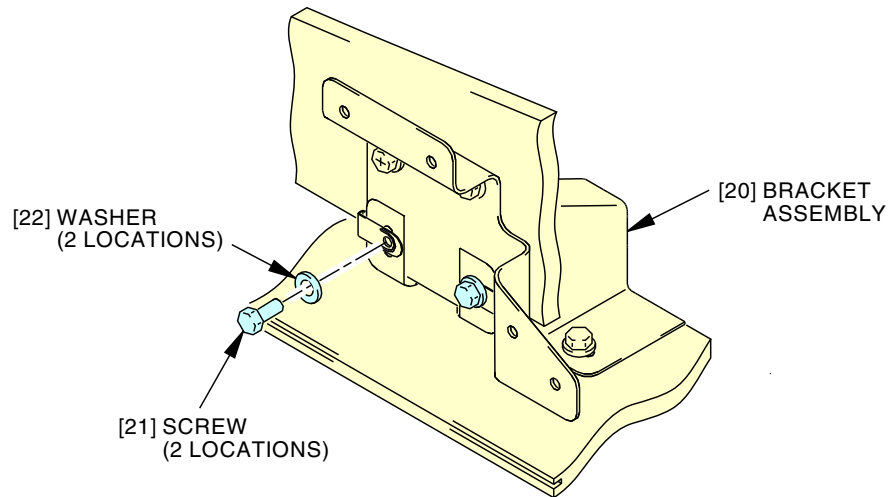
EFFECTIVITY
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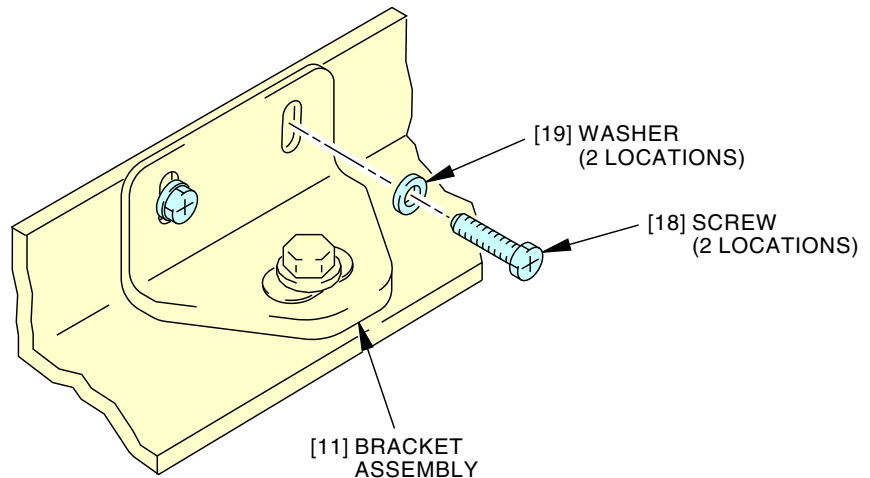
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**BRACKET ASSEMBLY
(LEFT SIDE IS SHOWN, RIGHT SIDE IS OPPOSITE)**

D



**BRACKET ASSEMBLY
(TYPICAL)**

E

2536854 S0000601469_V1

**Cove Bullnose Ceiling Panel Installation
Figure 402/25-21-71-990-803 (Sheet 3 of 4)**

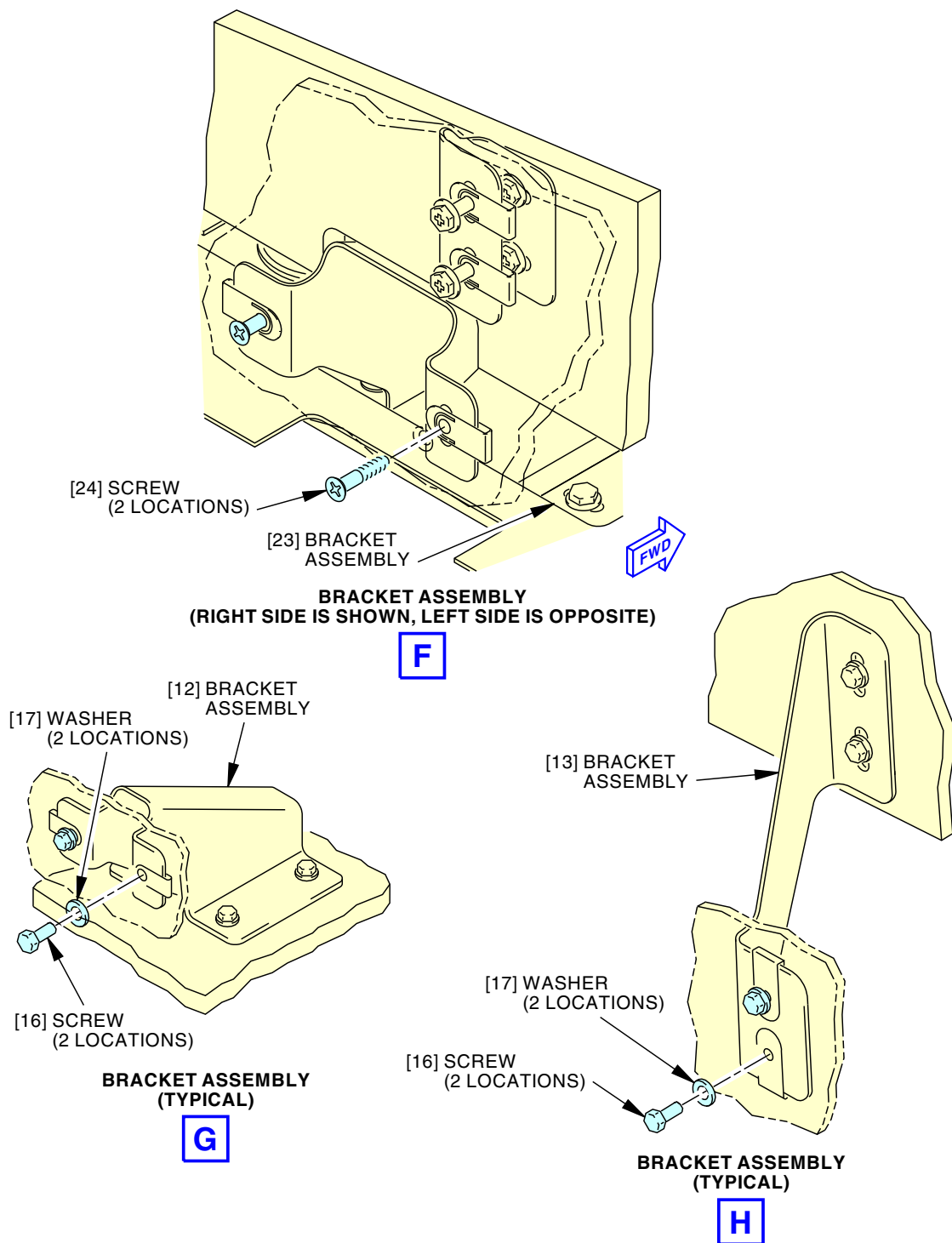
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2411871 S00061529316_V2

Cove Bullnose Ceiling Panel Installation
Figure 402/25-21-71-990-803 (Sheet 4 of 4)

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TASK 25-21-71-400-802

5. Cove Bullnose Ceiling Panel Installation

(Figure 402)

A. General

- (1) This task includes the steps to install the cove bullnose panel in the passenger cabin.
- (2) There are these types of cove bullnose panels:
 - (a) Forward cove bullnose panel.
 - (b) Mid cove bullnose panel, forward of the Center Overhead Stowage (COS).
 - (c) Mid cove bullnose panel, aft of the COS.
 - (d) Aft cove bullnose panel.

B. References

Reference	Title
25-24-31-400-801	Overhead Stowage Bin - Installation (P/B 401)
25-24-31-400-802	Overhead Stowage Bin Module - Installation (P/B 401)

C. Tools/Equipment

Reference	Description
STD-15030	Wrench - Allen, 1/8 inch

D. Consumable Materials

Reference	Description	Specification
G50333	Tape - Hook/Loop Fastener, Flame Propagation Resistant	BMS8-372

E. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Cove bullnose panel assembly	25-21-71-60-020	SIA ALL
5	Cove bullnose panel assembly	25-21-71-50-035	SIA ALL
8	Cove bullnose panel assembly	25-21-71-56-015	SIA ALL
9	Cove bullnose panel assembly	25-21-71-65-025	SIA ALL

F. Location Zones

Zone	Area
230	Subzone - Passenger Compartment - Body Station 360.00 to 663.75
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

G. Forward Cove Bullnose Panel Installation

SUBTASK 25-21-71-420-028

 CAUTION	DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (1) Do these steps to install the forward cove bullnose panel assembly [1]:
 - (a) If necessary, apply new tape, G50333, to the bulb seal [15].
 - (b) Lift the cove bullnose panel assembly [1] into its correct position.
 - (c) Install the screws [18] and washers [19] to the bracket assemblies [11].

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- 1) Do not tighten the screws [18] at this time.
- (d) Install the screws [21] and washers [22] to the bracket assemblies [20].
 - 1) Do not tighten the screws [21] at this time.
- (e) Align the cove bullnose panel assembly [1] while you tighten the screws [18] and screws [21].
 - 1) Make sure that the bottom of the panel is flush with the lowered ceiling and adjacent light valence, ± 0.030 in. (0.076 cm).

SUBTASK 25-21-71-420-029

- (2) Connect the electrical connector [14] above the cove bullnose panel assembly [1].
 - (a) Remove the caps from the electrical connections.

H. Mid Cove Bullnose Panel Installation, Forward of COS

SUBTASK 25-21-71-420-030



CAUTION

DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (1) Do these steps to remove the mid cove bullnose panel assembly [8] that is forward of the COS:
 - (a) Lift the cove bullnose panel assembly [8] into its correct position.
 - (b) Install the screws [18] and washers [19] to the bracket assemblies [11].
 - 1) Do not tighten the screws [18] at this time.
 - (c) Install the screws [24] to the bracket assemblies [23].
 - 1) Do not tighten the screws [24] at this time.
 - (d) Align the cove bullnose panel assembly [8] while you tighten the screws [18] and screws [24].
 - 1) Make sure that the bottom of the panel is flush with the adjacent light valence, ± 0.030 in. (0.076 cm).

SUBTASK 25-21-71-420-031

- (2) Connect the electrical connector [14] above the cove bullnose panel assembly [8].
 - (a) Remove the caps from the electrical connections.

I. Mid Cove Bullnose Panel Installation, Aft of COS

SUBTASK 25-21-71-420-032



CAUTION

DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (1) Do these steps to remove the mid cove bullnose panel assembly [9] that is aft of the COS:
 - (a) Lift the cove bullnose panel assembly [9] into its correct position.
 - (b) Install the screws [18] and washers [19] to the bracket assemblies [11].
 - 1) Do not tighten the screws [18] at this time.
 - (c) Install the screws [21] and washers [22] to the bracket assemblies [20].
 - 1) Do not tighten the screws [21] at this time.

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- (d) Align the cove bullnose panel assembly [9] while you tighten the screws [18] and screws [21].
 - 1) Make sure that the bottom of the panel is flush with the adjacent light valence, $\pm$ 0.030 in. (0.076 cm).

SUBTASK 25-21-71-420-033

- (2) Connect the electrical connector [14] above the cove bullnose panel assembly [9].
 - (a) Remove the caps from the electrical connections.

J. Aft Cove Bullnose Panel Installation

SUBTASK 25-21-71-420-006



DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (1) Do these steps to install the aft cove bullnose panel assembly [5]:
 - (a) If necessary, apply new tape, G50333, to the bulb seal [15].
 - (b) Lift the cove bullnose panel assembly [5] into its correct position.
 - (c) Install the screws [18] and washers [19] to the bracket assemblies [11].
 - 1) Do not tighten the screws [18] at this time.
 - (d) Install the screws [16] and washers [17] to the bracket assembly [13].
 - 1) Do not tighten the screws [16] at this time.
 - (e) Install the screws [16] and washers [17] to the bracket assemblies [12].
 - 1) Do not tighten the screws [16] at this time.
 - (f) Align the cove bullnose panel assembly [5] while you tighten the screws [18] and screws [16].
 - 1) Make sure that the bottom of the panel is flush with the lowered ceiling and adjacent light valence, $\pm$ 0.030 in. (0.076 cm).

SUBTASK 25-21-71-420-034

- (2) Connect the electrical connector [14] above the cove bullnose panel assembly [5].
 - (a) Remove the caps from the electrical connections.

SUBTASK 25-21-71-410-001

- (3) If you opened the cove dome panel, do these steps to close and lock it:
 - (a) Attach the lanyard.
 - (b) Close the cove dome panel.
 - (c) Find the two access holes in the space between the cove bullnose panel assembly [5] and the horseshoe panel assembly.
 - (d) Put a 1/8 inch allen wrench, STD-15030, through the access holes.
 - (e) Turn the 1/8 inch allen wrench, STD-15030, 90° arc (2 rad) clockwise.

K. Put the Airplane Back to Its Usual Condition

SUBTASK 25-21-71-410-019

- (1) If removed, install the overhead stowage bins or overhead stowage bin modules.
 - (a) Do one of these tasks: Overhead Stowage Bin - Installation, TASK 25-24-31-400-801 or Overhead Stowage Bin Module - Installation, TASK 25-24-31-400-802.

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SUBTASK 25-21-71-410-020

- (2) Install the monuments or furnishings that you removed for access.

SUBTASK 25-21-71-860-010

- (3) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT

————— END OF TASK —————

TASK 25-21-71-000-803

6. Horseshoe Ceiling Panel Removal

(Figure 403)

A. General

- (1) This task includes the steps to remove the forward horseshoe panel assembly [2] from the passenger cabin.

B. References

<u>Reference</u>	<u>Title</u>
25-24-31-000-801	Overhead Stowage Bin - Removal (P/B 401)
25-24-31-000-802	Overhead Stowage Bin Module - Removal (P/B 401)

C. Tools/Equipment

<u>Reference</u>	<u>Description</u>
STD-15030	Wrench - Allen, 1/8 inch

D. Location Zones

<u>Zone</u>	<u>Area</u>
118	Electrical and Electronics Compartment - Right
230	Subzone - Passenger Compartment - Body Station 360.00 to 663.75

E. Access Panels

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

F. Prepare for the Removal

SUBTASK 25-21-71-860-011

- (1) Make sure that these circuit breakers are open and have safety tags:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C01936	ATTENDANT PANELS

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SUBTASK 25-21-71-010-034

- (2) To get access to the P92 panel, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-21-71-860-021



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (3) Make sure that this circuit breaker is open and has safety tag:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	5	C01939	COVE LIGHT

SUBTASK 25-21-71-010-024

- (4) If necessary, remove the monuments or furnishings that prevent the panel removal.

SUBTASK 25-21-71-010-022

- (5) If necessary to get access, remove the overhead stowage bins or overhead stowage bin modules.
- (a) Do one of these tasks: Overhead Stowage Bin Module - Removal, TASK 25-24-31-000-802 or Overhead Stowage Bin - Removal, TASK 25-24-31-000-801.

G. Horseshoe Ceiling Panel Removal

SUBTASK 25-21-71-010-005

- (1) Do these steps to open the cove dome panel [29] that is in the center of the horseshoe panel assembly [2]:
- Find the two access holes in the clearance space forward of the horseshoe panel assembly [2].
 - Put a 1/8 inch allen wrench, STD-15030, through the access holes.
 - Turn the 1/8 inch allen wrench, STD-15030, 90° arc (2 rad) counterclockwise to release the latches.
- NOTE: This will let the cove dome panel open a small distance.
- Disconnect the lanyard [30].
 - Open the cove dome panel [29] fully.

SUBTASK 25-21-71-020-042

- (2) Disconnect the electrical connectors [31].
- Install caps on the electrical connections to prevent contamination.

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SUBTASK 25-21-71-020-043

- (3) Disconnect the electrical connector [32].
- (a) Install caps on the electrical connections to prevent contamination.

SUBTASK 25-21-71-020-044

- (4) Do these steps to disconnect the horseshoe panel assembly [2] from the forward entry panel assembly [4]:
- (a) If necessary, cut and discard the cable ties to disconnect the wire harness from the clamps.
- (b) Remove the screw [42] and washer [43] to disconnect the wire harness clamp.
- (c) Remove the screws [40] and washers [41].
- (d) Remove the bolts [44] and washers [45] from the corner brackets.

SUBTASK 25-21-71-020-045



DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (5) Do these steps to remove the horseshoe panel assembly [2]:
- (a) Remove the bolts [33], bolt [34], bolts [35], washers [36], bushings [37], bushings [38], and nuts [39] from each of the tie rod assemblies.
- NOTE: Keep the bolts, washers, bushings, and nuts with each tie rod. They are not all the same.
- 1) Move the tie rods in the UP direction for clearance.
- (b) Carefully lower the horseshoe panel assembly [2] out of its position.
- (c) Remove the horseshoe panel assembly [2].

———— **END OF TASK** ————

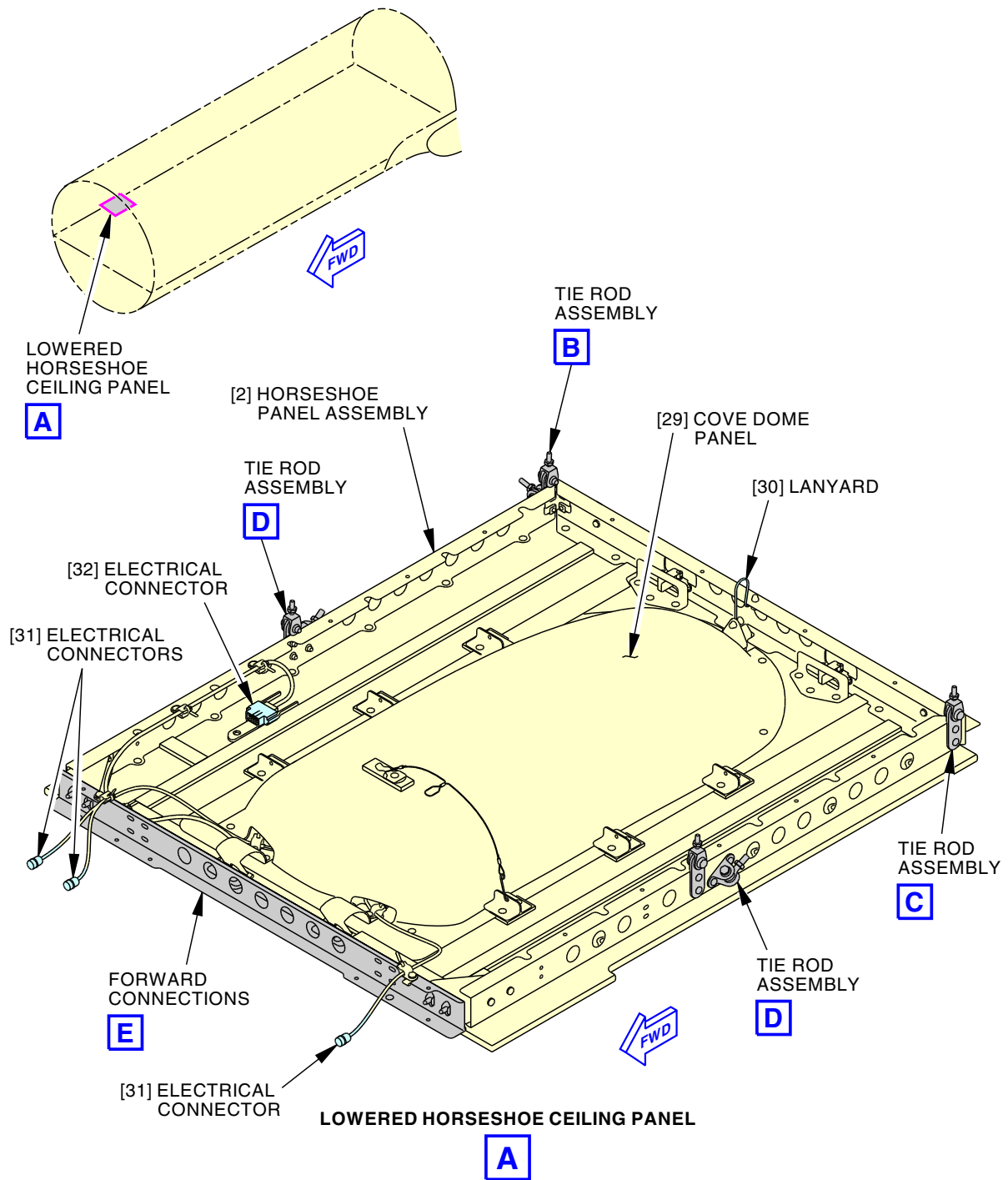
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2411868 S00061529311_V1

Horseshoe Ceiling Panel Installation
Figure 403/25-21-71-990-808 (Sheet 1 of 3)

EFFECTIVITY
SIA ALL

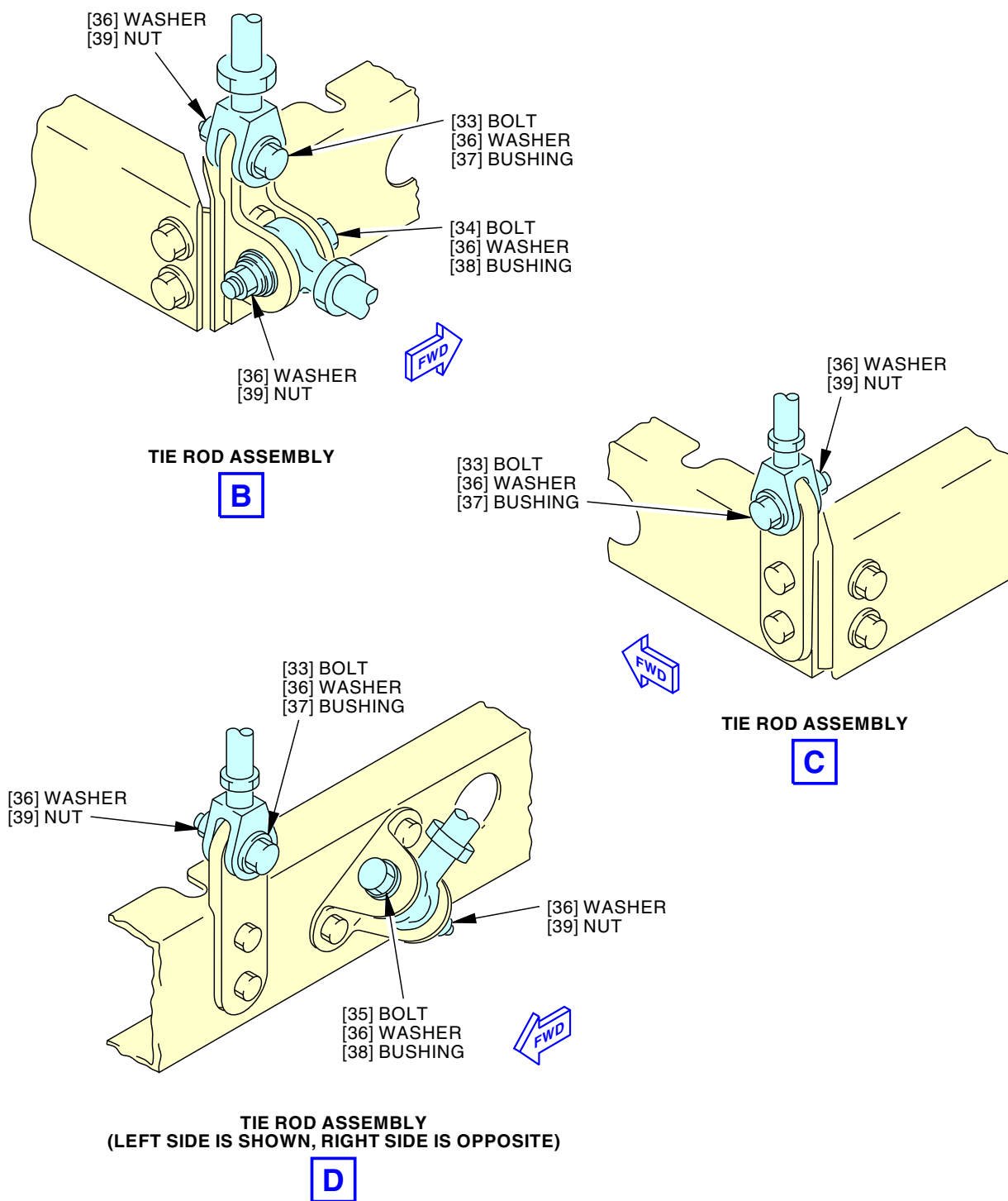
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2411869 S00061529312_V1

Horseshoe Ceiling Panel Installation
Figure 403/25-21-71-990-808 (Sheet 2 of 3)

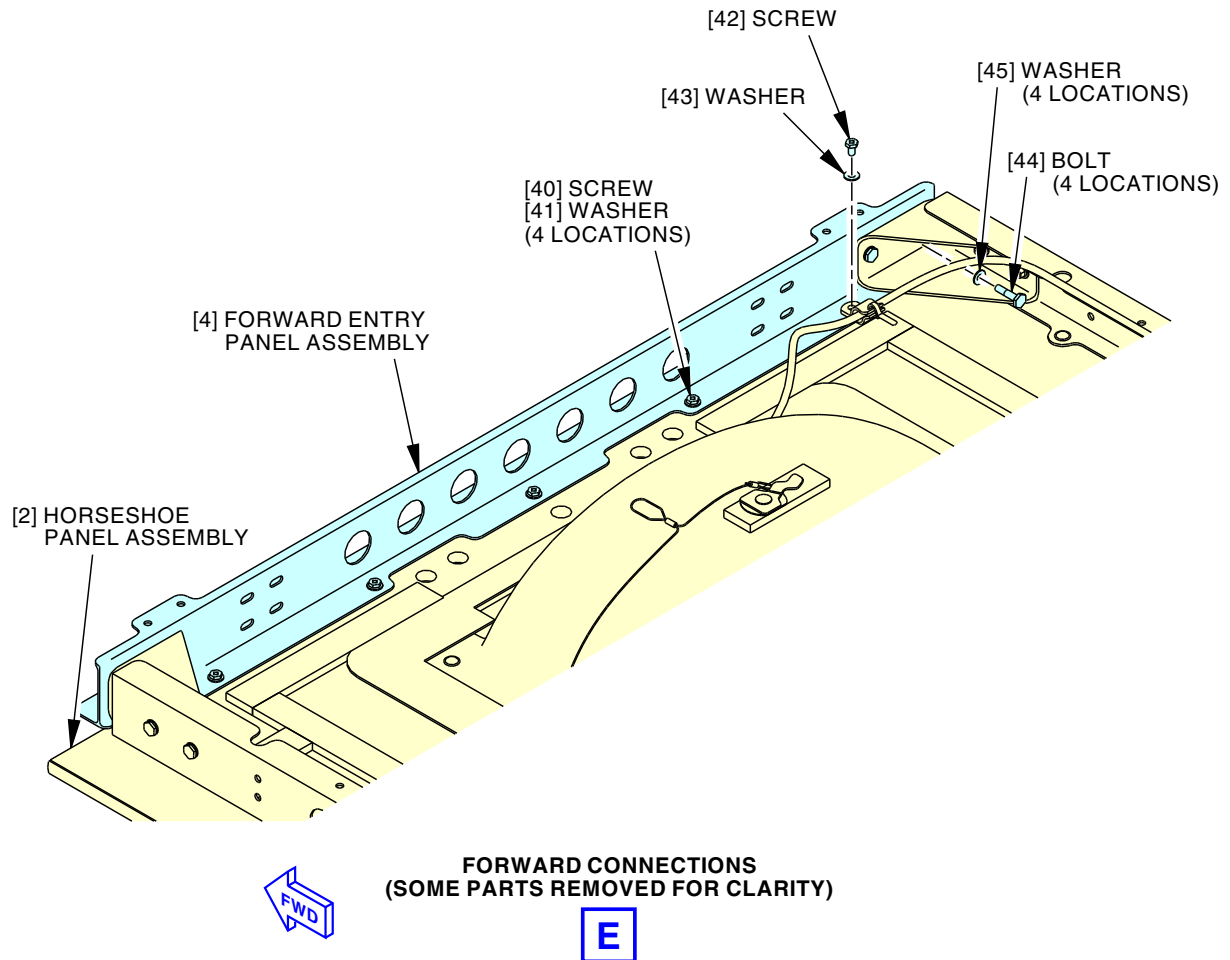
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FORWARD CONNECTIONS
(SOME PARTS REMOVED FOR CLARITY)

2540110 S0000601833_V1

Horseshoe Ceiling Panel Installation
Figure 403/25-21-71-990-808 (Sheet 3 of 3)

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TASK 25-21-71-400-803

7. Horseshoe Ceiling Panel Installation

(Figure 403)

A. General

- (1) This task includes the steps to install the forward horseshoe panel assembly [2] in the passenger cabin.

B. References

Reference	Title
25-24-31-400-801	Overhead Stowage Bin - Installation (P/B 401)
25-24-31-400-802	Overhead Stowage Bin Module - Installation (P/B 401)

C. Tools/Equipment

Reference	Description
STD-15030	Wrench - Allen, 1/8 inch

D. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
2	Horseshoe panel assembly	25-21-71-52-055	SIA ALL

E. Location Zones

Zone	Area
118	Electrical and Electronics Compartment - Right
230	Subzone - Passenger Compartment - Body Station 360.00 to 663.75

F. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

G. Horseshoe Ceiling Panel Installation

SUBTASK 25-21-71-420-007



CAUTION

DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (1) Do these steps to install the horseshoe panel assembly [2]:
- (a) Lift the horseshoe panel assembly [2] into its correct position.
 - (b) If necessary, open the cove dome panel [29].
 - (c) Connect the horseshoe panel assembly [2] to the tie rods with the bolts [33], bolt [34], bolts [35], washers [36], bushings [37], bushings [38], and nuts [39].
 - 1) Make sure that the lanyard tab is pointed in the UP direction.

SUBTASK 25-21-71-420-008

- (2) Do these steps to connect the horseshoe panel assembly [2] to the forward entry panel assembly [4]:
- (a) Install the bolts [44] and washers [45] to the corner brackets.
 - 1) Make sure that the clearance between the panels is 0.20 in. (0.51 cm) to 0.30 in. (0.76 cm).
 - (b) Install the screws [40] and washers [41].

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- (c) Install the screw [42] and washer [43] to connect the wire harness clamp.
- (d) If removed, install new cable ties to connect the wire harness to the clamps.

SUBTASK 25-21-71-420-035

- (3) Connect the electrical connector [32].
 - (a) Remove the caps from the electrical connections.

SUBTASK 25-21-71-420-036

- (4) Connect the electrical connectors [31].
 - (a) Remove the caps from the electrical connections.

SUBTASK 25-21-71-410-004

- (5) Do these steps to close and lock the cove dome panel [29]:
 - (a) Attach the lanyard [30].
 - (b) Close the cove dome panel [29].
 - (c) Find the two access holes in the clearance space forward of the horseshoe panel assembly [2].
 - (d) Put a 1/8 inch allen wrench, STD-15030, through the access holes.
 - (e) Turn the 1/8 inch allen wrench, STD-15030, 90°arc (2 rad) clockwise.

H. Put the Airplane Back to Its Usual Condition

SUBTASK 25-21-71-410-022

- (1) If removed, install the overhead stowage bins or overhead stowage bin modules.
 - (a) Do one of these tasks: Overhead Stowage Bin - Installation, TASK 25-24-31-400-801 or Overhead Stowage Bin Module - Installation, TASK 25-24-31-400-802.

SUBTASK 25-21-71-410-023

- (2) Install the monuments or furnishings that you removed for access.

SUBTASK 25-21-71-860-029



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (3) Remove the safety tag and close this circuit breaker:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	5	C01939	COVE LIGHT

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SUBTASK 25-21-71-410-035

- (4) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-21-71-860-012

- (5) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C01936	ATTENDANT PANELS

————— **END OF TASK** —————

TASK 25-21-71-000-804

8. Cove Horseshoe Ceiling Panel Removal

(Figure 404)

A. General

- (1) This task includes the steps to remove the aft cove horseshoe panel assembly [6] from the passenger cabin.

B. References

<u>Reference</u>	<u>Title</u>
25-24-31-000-801	Overhead Stowage Bin - Removal (P/B 401)
25-24-31-000-802	Overhead Stowage Bin Module - Removal (P/B 401)
31-31-11-000-801	Flight Data Recorder Removal (P/B 401)

C. Tools/Equipment

<u>Reference</u>	<u>Description</u>
STD-15030	Wrench - Allen, 1/8 inch

D. Location Zones

<u>Zone</u>	<u>Area</u>
118	Electrical and Electronics Compartment - Right
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

E. Access Panels

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

F. Prepare for the Removal

SUBTASK 25-21-71-860-003

- (1) Make sure that these circuit breakers are open and have safety tags:

CAPT Electrical System Panel, P18-2

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	9	C00109	FLIGHT RECORDER AC

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(Continued)

CAPT Electrical System Panel, P18-2

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	10	C00468	FLIGHT RECORDER DC

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C01936	ATTENDANT PANELS

SUBTASK 25-21-71-010-035

- (2) To get access to the P92 panel, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-21-71-860-023



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (3) Make sure that this circuit breaker is open and has safety tag:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	5	C01939	COVE LIGHT

SUBTASK 25-21-71-010-011

- (4) If it is necessary, remove the monuments or furnishings that prevent the panel removal.

SUBTASK 25-21-71-010-012

- (5) If it is necessary to get access, remove the overhead stowage bins or overhead stowage bin modules.
- (a) Do one of these tasks: Overhead Stowage Bin Module - Removal, TASK 25-24-31-000-802 or Overhead Stowage Bin - Removal, TASK 25-24-31-000-801.

SUBTASK 25-21-71-020-010

- (6) You must remove the aft cove bullnose panel assembly [5] before you remove the cove horseshoe panel assembly [6].
- (a) Do this task: Cove Bullnose Ceiling Panel Removal, TASK 25-21-71-000-802.

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G. Cove Horseshoe Ceiling Panel Removal

SUBTASK 25-21-71-010-006

- (1) Do these steps to open the cove dome panel [54] that is in the center of the cove horseshoe panel assembly [6]:
 - (a) Find the two access holes in the clearance space forward of the cove horseshoe panel assembly [6].
 - (b) Put a 1/8 inch allen wrench, STD-15030, through the access holes.
 - (c) Turn the 1/8 inch allen wrench, STD-15030, 90° arc (2 rad) counterclockwise to release the latches.
NOTE: This will let the cove dome panel open a small distance.
 - (d) Disconnect the lanyard [50].
 - (e) Open the cove dome panel [54] fully.

SUBTASK 25-21-71-020-012

- (2) Do this task: Flight Data Recorder Removal, TASK 31-31-11-000-801

SUBTASK 25-21-71-020-030

- (3) Disconnect the electrical connectors [51].
 - (a) Install caps on the electrical connections to prevent contamination.

SUBTASK 25-21-71-020-013

- (4) Disconnect the electrical connector [53].
 - (a) Install caps on the electrical connections to prevent contamination.

SUBTASK 25-21-71-020-015

- (5) Disconnect the cove horseshoe panel assembly [6] from the aft entry panel assembly [7].
 - (a) Remove the bolts [66] and washers [67] from the bracket assemblies [52].

SUBTASK 25-21-71-020-016



DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (6) Do these steps to remove the cove horseshoe panel assembly [6]:
 - (a) Remove the bolts [56], bolts [57], bolt [58], washers [59], washers [60], washers [61], lanyards [62], bushings [63], bushings [64], and nuts [65] from each of the tie rod assemblies.
NOTE: Keep the bolts, washers, bushings, and nuts with each tie rod. They are not all the same.
 - 1) If necessary, move the tie rods in the UP direction for clearance.
 - (b) Carefully lower the cove horseshoe panel assembly [6] out of its position.
 - (c) Remove the cove horseshoe panel assembly [6].

————— **END OF TASK** —————

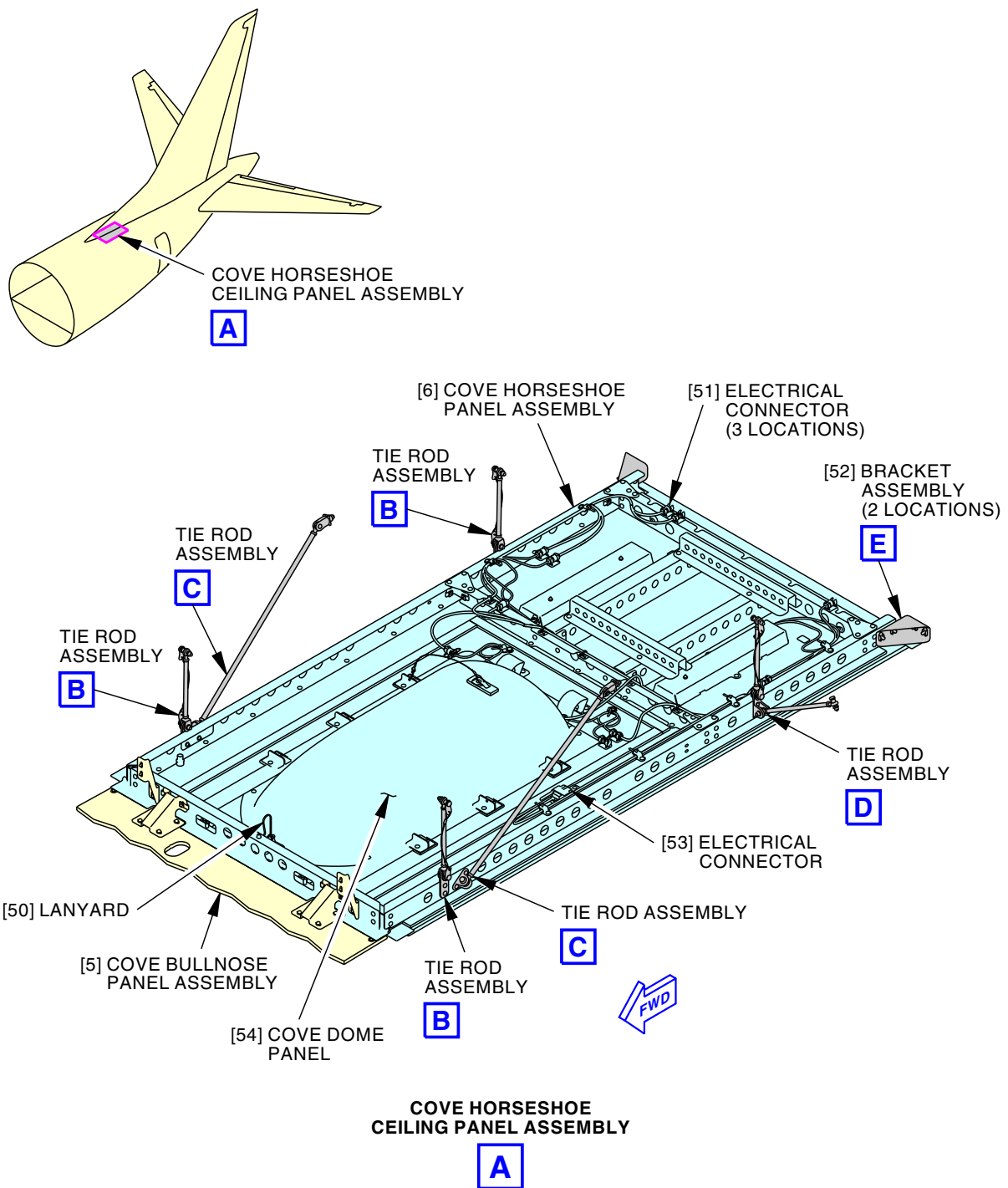
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2411872 S00061529319_V1

Cove Horseshoe Ceiling Panel Installation
Figure 404/25-21-71-990-805 (Sheet 1 of 3)

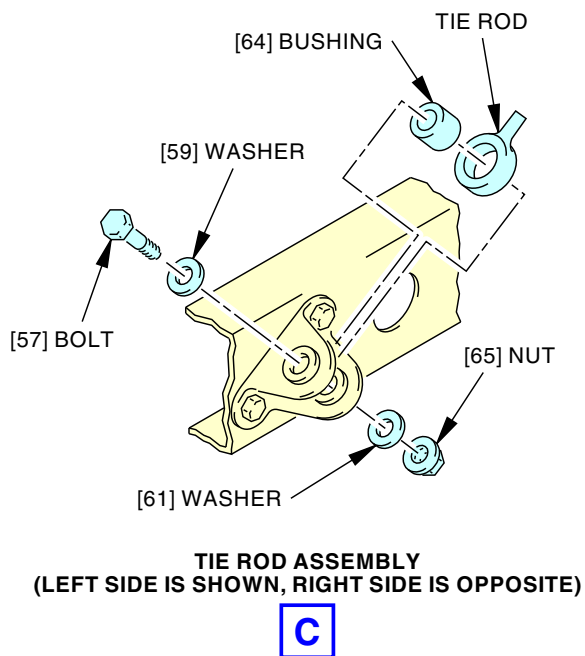
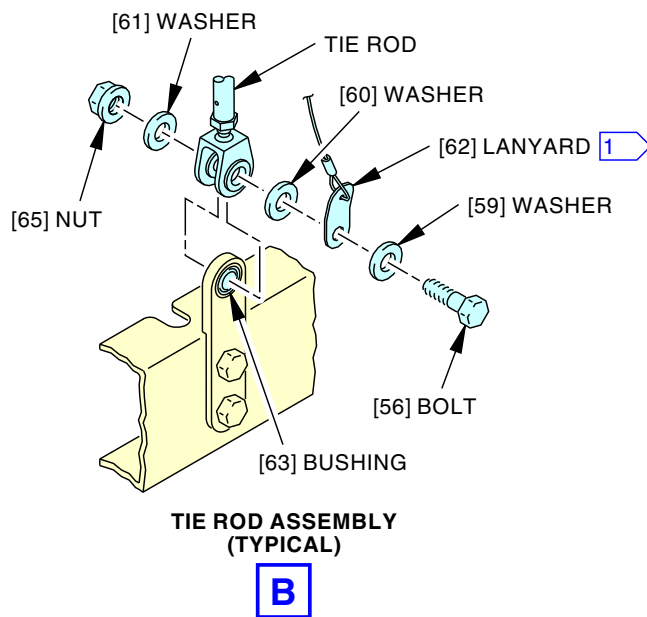
EFFECTIVITY
SIA ALL

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1 THE LANYARD TAB MUST BE POINTED IN THE UP DIRECTION.

2411873 S00061529320_V1

Cove Horseshoe Ceiling Panel Installation
Figure 404/25-21-71-990-805 (Sheet 2 of 3)

EFFECTIVITY
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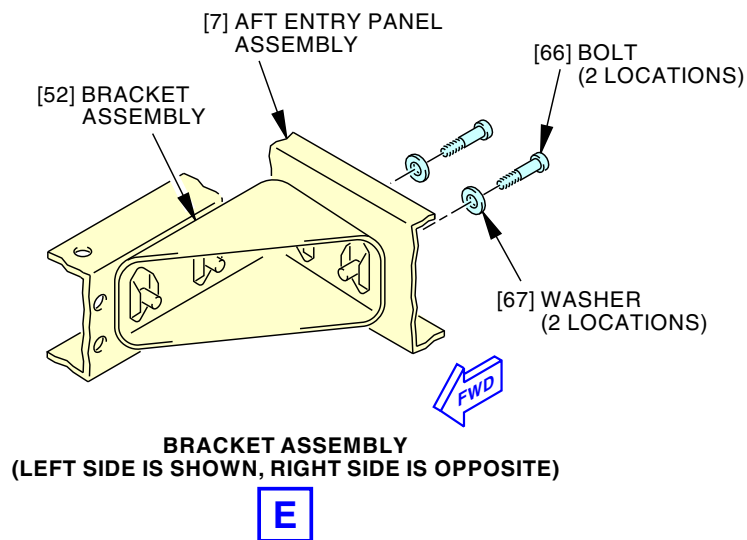
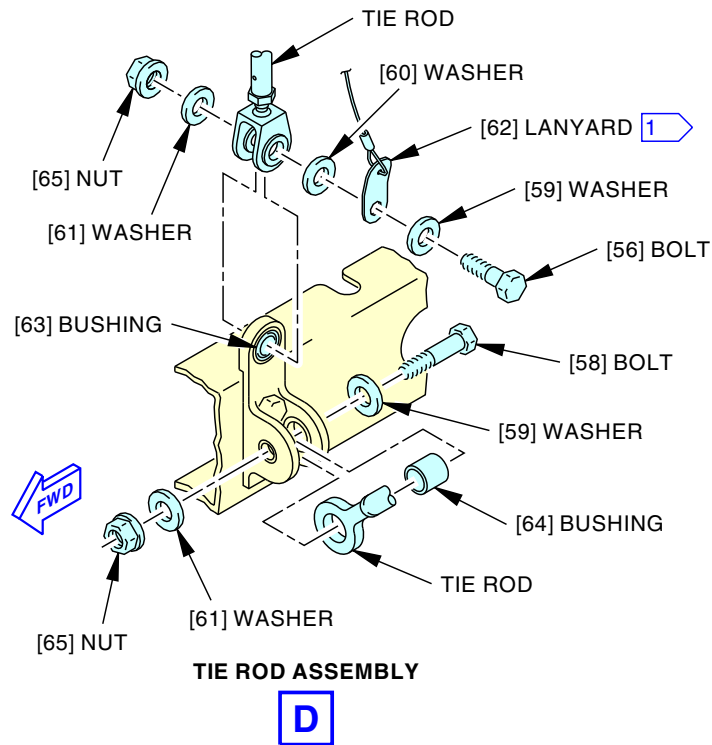
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1 THE LANYARD TAB MUST BE POINTED IN THE UP DIRECTION.

2537297 S0000602311_V1

Cove Horseshoe Ceiling Panel Installation
Figure 404/25-21-71-990-805 (Sheet 3 of 3)

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TASK 25-21-71-400-804

9. **Cove Horseshoe Ceiling Panel Installation**

(Figure 404)

A. General

- (1) This task includes the steps to install the aft cove horseshoe panel assembly [6] in the passenger cabin.

B. References

Reference	Title
25-24-31-400-801	Overhead Stowage Bin - Installation (P/B 401)
25-24-31-400-802	Overhead Stowage Bin Module - Installation (P/B 401)
31-31-11-400-801	Flight Data Recorder Installation (P/B 401)

C. Tools/Equipment

Reference	Description
STD-15030	Wrench - Allen, 1/8 inch

D. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
6	Cove horseshoe panel assembly	25-21-71-10-062	SIA ALL

E. Location Zones

Zone	Area
118	Electrical and Electronics Compartment - Right
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

F. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

G. Cove Horseshoe Ceiling Panel Installation

SUBTASK 25-21-71-420-009



DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (1) Do these steps to install the cove horseshoe panel assembly [6]:
- (a) Lift the cove horseshoe panel assembly [6] into its correct position.
 - (b) If necessary, open the cove dome panel [54].
 - (c) Connect the cove horseshoe panel assembly [6] to the tie rods with the bolts [56], bolts [57], bolt [58], washers [59], washers [60], washers [61], lanyards [62], bushings [63], bushings [64], and nuts [65].
 - 1) Make sure that the lanyard tab is pointed in the UP direction.

SUBTASK 25-21-71-420-010

- (2) Connect the cove horseshoe panel assembly [6] to the aft entry panel assembly [7].
- (a) Install the bolts [66] and washers [67] to the bracket assemblies [52].

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- 1) Make sure that the clearance between the panels is 0.20 in. (0.51 cm) to 0.30 in. (0.76 cm).

SUBTASK 25-21-71-420-011

- (3) Connect the electrical connector [53].
 - (a) Remove the caps from the electrical connections.

SUBTASK 25-21-71-420-012

- (4) Connect the electrical connectors [51].
 - (a) Remove the caps from the electrical connections.

SUBTASK 25-21-71-420-013

- (5) Do this task: Flight Data Recorder Installation, TASK 31-31-11-400-801.

SUBTASK 25-21-71-410-011

- (6) Do these steps to close and lock the cove dome panel [54]:
 - (a) Attach the lanyard [50].
 - (b) Close the cove dome panel [54].
 - (c) Find the two access holes in the clearance space forward of the cove horseshoe panel assembly [6].
 - (d) Put a 1/8 inch allen wrench, STD-15030, through the access holes.
 - (e) Turn the 1/8 inch allen wrench, STD-15030, 90°arc (2 rad) clockwise.

H. Put the Airplane Back to Its Usual Condition

SUBTASK 25-21-71-410-008

- (1) Do this task to install the aft cove bullnose panel assembly [5]: Cove Bullnose Ceiling Panel Installation, TASK 25-21-71-400-802.

SUBTASK 25-21-71-410-009

- (2) If removed, install the overhead stowage bins or overhead stowage bin modules.
 - (a) Do one of these tasks: Overhead Stowage Bin - Installation, TASK 25-24-31-400-801 or Overhead Stowage Bin Module - Installation, TASK 25-24-31-400-802.

SUBTASK 25-21-71-410-010

- (3) Install the monuments or furnishings that you removed for access.

SUBTASK 25-21-71-860-030



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (4) Remove the safety tag and close this circuit breaker:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	5	C01939	COVE LIGHT

SUBTASK 25-21-71-410-036

- (5) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-21-71-860-004

- (6) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-2

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	9	C00109	FLIGHT RECORDER AC
C	10	C00468	FLIGHT RECORDER DC

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C01936	ATTENDANT PANELS

————— END OF TASK —————

TASK 25-21-71-000-805

10. Close Out Ceiling Panel Removal

(Figure 405)

A. General

- (1) This task includes the steps to remove the forward close out panel assembly from the passenger cabin.

B. References

<u>Reference</u>	<u>Title</u>
23-75-00-040-801	Video Surveillance System - Deactivation (P/B 201)

C. Tools/Equipment

<u>Reference</u>	<u>Description</u>
STD-6761	Wrench - Allen, 5/32 inch

D. Location Zones

<u>Zone</u>	<u>Area</u>
220	Subzone - Passenger Compartment - Body Station 259.50 to 360.00

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E. Prepare for the Removal

SUBTASK 25-21-71-860-005

- (1) Make sure that these circuit breakers are open and have safety tags:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT

SUBTASK 25-21-71-040-001

- (2) Do this task: Video Surveillance System - Deactivation, TASK 23-75-00-040-801.

SUBTASK 25-21-71-010-030

- (3) If it is necessary, remove the monuments or furnishings that prevent the panel removal.

F. Close Out Ceiling Panel Removal

SUBTASK 25-21-71-010-016

- (1) Do these steps to open the close out door [76] that is in the center of the close out panel assembly [3]:

- Find the two access holes in the close out door [76].
- Put a 5/32 inch allen wrench, STD-6761, through the access holes.
- Turn the 5/32 inch allen wrench, STD-6761, 90°arc (2 rad) counterclockwise to release the latches.

NOTE: This will let the close out door open a small distance.

- Disconnect the lanyard [75].
- Open the close out door [76] fully.

SUBTASK 25-21-71-020-018

- (2) Disconnect the electrical connector [70].
- Install caps on the electrical connections to prevent contamination.

SUBTASK 25-21-71-020-052

- (3) Disconnect the electrical connector [77].
- Install caps on the electrical connections to prevent contamination.

SUBTASK 25-21-71-020-020



DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (4) Do these steps to remove the close out panel assembly [3]:
- Remove the screws [71] and washers [72] from the brackets [74].
 - Carefully lower the close out panel assembly [3] out of its position.
 - Remove the close out panel assembly [3].

————— **END OF TASK** —————

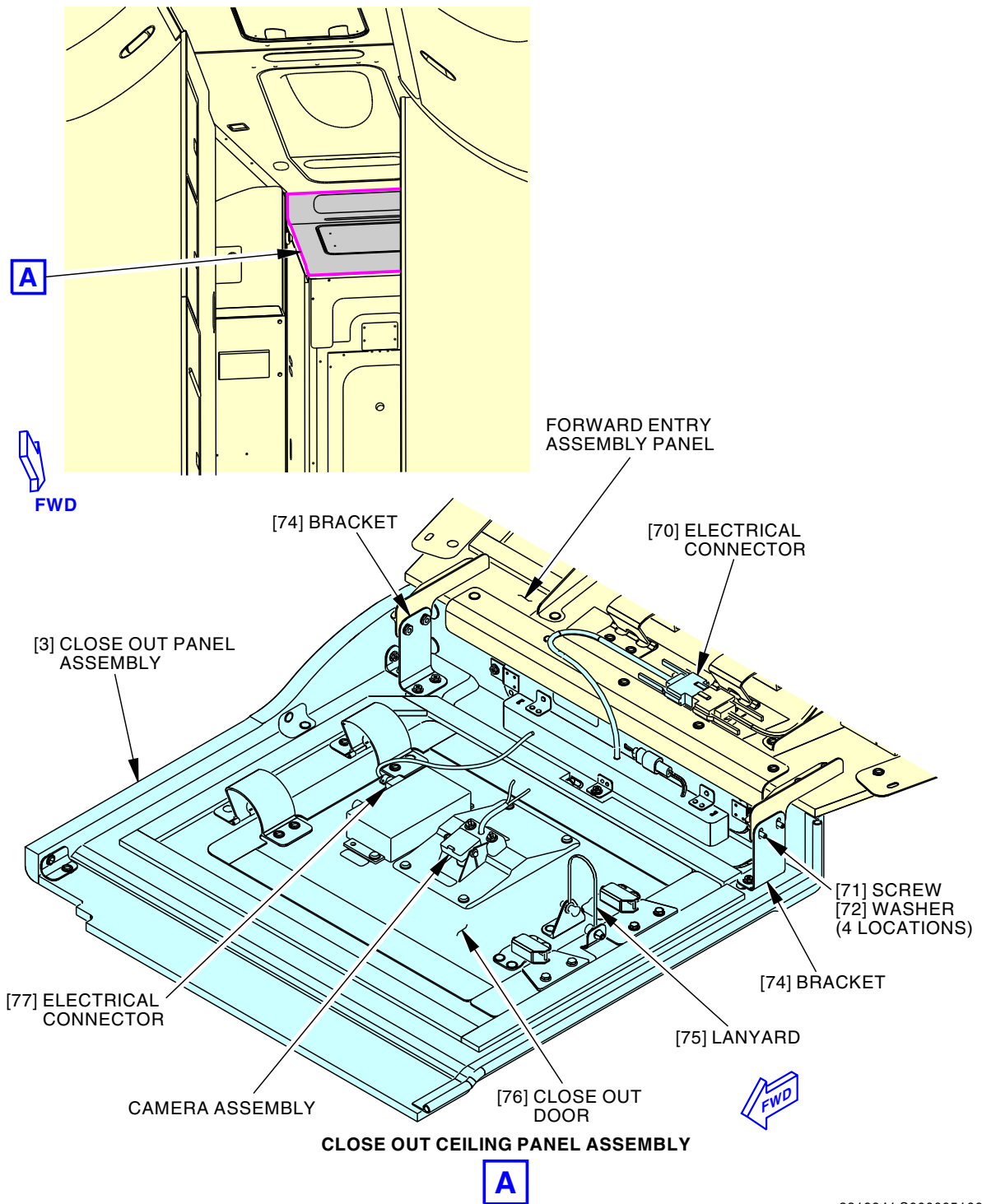
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2819941 S0000651664_V2

Close Out Ceiling Panel Installation
Figure 405/25-21-71-990-806

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TASK 25-21-71-400-805

11. Close Out Ceiling Panel Installation

(Figure 405)

A. General

- (1) This task includes the steps to install the forward close out panel assembly in the passenger cabin.

B. References

Reference	Title
23-75-00-440-801	Video Surveillance System - Activation (P/B 201)

C. Tools/Equipment

Reference	Description
STD-6761	Wrench - Allen, 5/32 inch

D. Location Zones

Zone	Area
220	Subzone - Passenger Compartment - Body Station 259.50 to 360.00

E. Close Out Ceiling Panel Installation

SUBTASK 25-21-71-420-017



DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (1) Do these steps to install the close out panel assembly [3]:
 - (a) Lift the close out panel assembly [3] into its correct position.
 - (b) If it is necessary, open the close out door [76].
 - (c) Install the screws [71] and washers [72] to the brackets [74].
 - 1) Make sure that the clearance on the left side and right side of the panel is equal.

SUBTASK 25-21-71-420-018

- (2) Connect the electrical connector [70].
 - (a) Remove the caps from the electrical connections.

SUBTASK 25-21-71-420-042

- (3) Connect the electrical connector [77].
 - (a) Remove the caps from the electrical connections.

SUBTASK 25-21-71-410-012

- (4) Do these steps to close and lock the close out door [76]:
 - (a) Attach the lanyard [75].
 - (b) Close the close out door [76].
 - (c) Find the two access holes in the close out door [76].
 - (d) Put a 5/32 inch allen wrench, STD-6761, through the access holes.
 - (e) Turn the 5/32 inch allen wrench, STD-6761, 90°arc (2 rad) clockwise.

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F. Put the Airplane Back to Its Usual Condition

SUBTASK 25-21-71-410-028

- (1) Install the monuments or furnishings that you removed for access.

SUBTASK 25-21-71-440-001

- (2) Do this task: Video Surveillance System - Activation, TASK 23-75-00-440-801.

SUBTASK 25-21-71-860-006

- (3) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT

— END OF TASK —

TASK 25-21-71-000-806

12. Forward Entry Ceiling Panel Removal

(Figure 406)

A. General

- (1) This task includes the steps to remove the forward entry panel assembly [4] from the passenger cabin.

B. References

Reference	Title
25-21-30-020-801	Forward Entry Door Doorway Header Panel Removal (P/B 401)

C. Tools/Equipment

Reference	Description
STD-15030	Wrench - Allen, 1/8 inch

D. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right
220	Subzone - Passenger Compartment - Body Station 259.50 to 360.00

E. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

F. Prepare for the Removal

SUBTASK 25-21-71-860-013

- (1) Make sure that these circuit breakers are open and have safety tags:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT

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F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C01936	ATTENDANT PANELS

F/O Electrical System Panel, P6-4

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	9	C00155	ENTRY LIGHTS DIM

SUBTASK 25-21-71-010-036

- (2) To get access to the P91 and P92 panels, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-21-71-860-025



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (3) Make sure that these circuit breakers are open and have safety tags:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	3	C00140	WORK AND THSHD LTS

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	5	C01939	COVE LIGHT

SUBTASK 25-21-71-010-025

- (4) If necessary, remove the monuments or furnishings that prevent the panel removal.

SUBTASK 25-21-71-010-026

- (5) If necessary, remove the horseshoe panel assembly [2].
- (a) To remove the horseshoe panel assembly [2], do this task: Horseshoe Ceiling Panel Removal, TASK 25-21-71-000-803.

SUBTASK 25-21-71-010-027

- (6) You must remove the close out panel assembly before you remove the forward entry panel assembly [4].
- (a) If you have not removed the close out panel assembly, then do this task: Close Out Ceiling Panel Removal, TASK 25-21-71-000-805.

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SUBTASK 25-21-71-010-028

- (7) Do this task to remove the left and right doorway header panels: Forward Entry Door Doorway Header Panel Removal, TASK 25-21-30-020-801.

G. Forward Entry Ceiling Panel Removal

SUBTASK 25-21-71-010-029

- (1) Do these steps to open the cove dome panel [81] that is in the center of the forward entry panel assembly [4]:
 - (a) Find the two access holes in the clearance that is immediately forward of the cove dome panel [81].
 - (b) Put a 1/8 inch allen wrench, STD-15030, through the access holes.
 - (c) Turn the 1/8 inch allen wrench, STD-15030, 90° arc (2 rad) counterclockwise to release the latches.

NOTE: This will let you open the cove dome panel a small distance.
 - (d) Disconnect the lanyard [83].
 - (e) Open the cove dome panel [81] fully.

SUBTASK 25-21-71-020-046

- (2) Disconnect the electrical connector [82].
 - (a) Install caps on the electrical connections to prevent contamination.

SUBTASK 25-21-71-020-047

- (3) Disconnect the electrical connectors [85].
 - (a) Install caps on the electrical connections to prevent contamination.

SUBTASK 25-21-71-020-048

- (4) Remove the strap [84] to disconnect the muffler assembly from the duct assembly.

SUBTASK 25-21-71-020-049

- (5) If the horseshoe panel assembly [2] is installed, then do these steps to disconnect it from the forward entry panel assembly [4]:
 - (a) Disconnect the three electrical connectors [80].
 - 1) Install caps on the electrical connections to prevent contamination.
 - (b) If necessary, cut and discard the cable ties to disconnect the wire harness from the clamps on the forward entry panel assembly [4].
 - (c) Remove the screw [97] and washer [98] to disconnect the wire harness clamp.
 - (d) Remove the screws [95] and washers [96].
 - (e) Remove the bolts [99] and washers [100] to disconnect the corner brackets.

SUBTASK 25-21-71-020-050



CAUTION

DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (6) Do these steps to remove the forward entry panel assembly [4]:

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- (a) Remove the bolts [86], bolt [87], bolts [88], bolt [89], washers [90], bushings [91], bushings [92], bushing [93], and nuts [94] from each of the tie rod assemblies.

NOTE: Keep the bolts, washers, bushings, and nuts with each tie rod. They are not all the same.

- 1) If necessary, move the tie rods in the UP direction for clearance.
- (b) Carefully lower the forward entry panel assembly [4] out of its position.
- (c) Remove the forward entry panel assembly [4].

———— **END OF TASK** ————

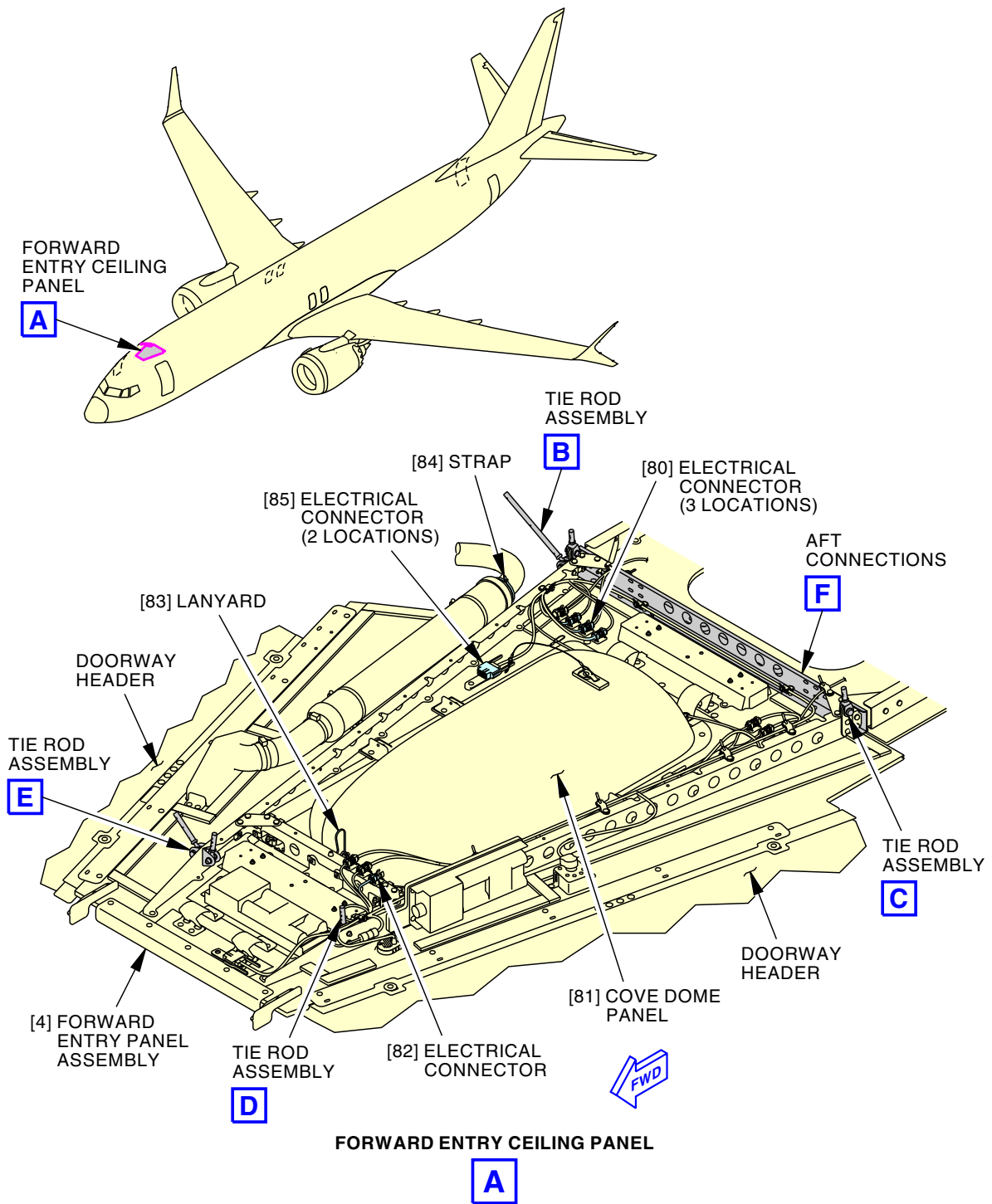
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Forward Entry Ceiling Panel Installation
Figure 406/25-21-71-990-809 (Sheet 1 of 3)

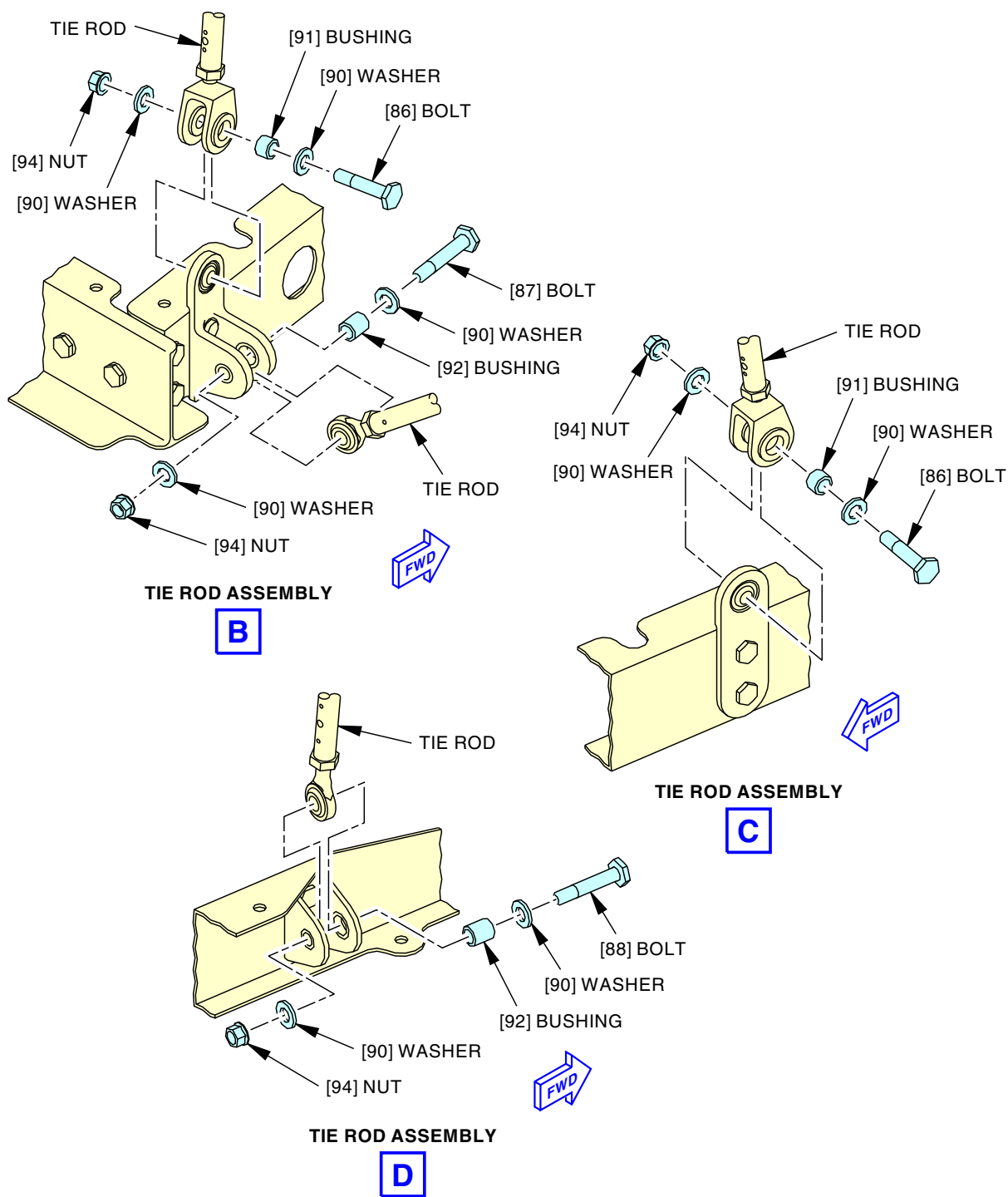
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2541070 S0000602205_V1

Forward Entry Ceiling Panel Installation
Figure 406/25-21-71-990-809 (Sheet 2 of 3)

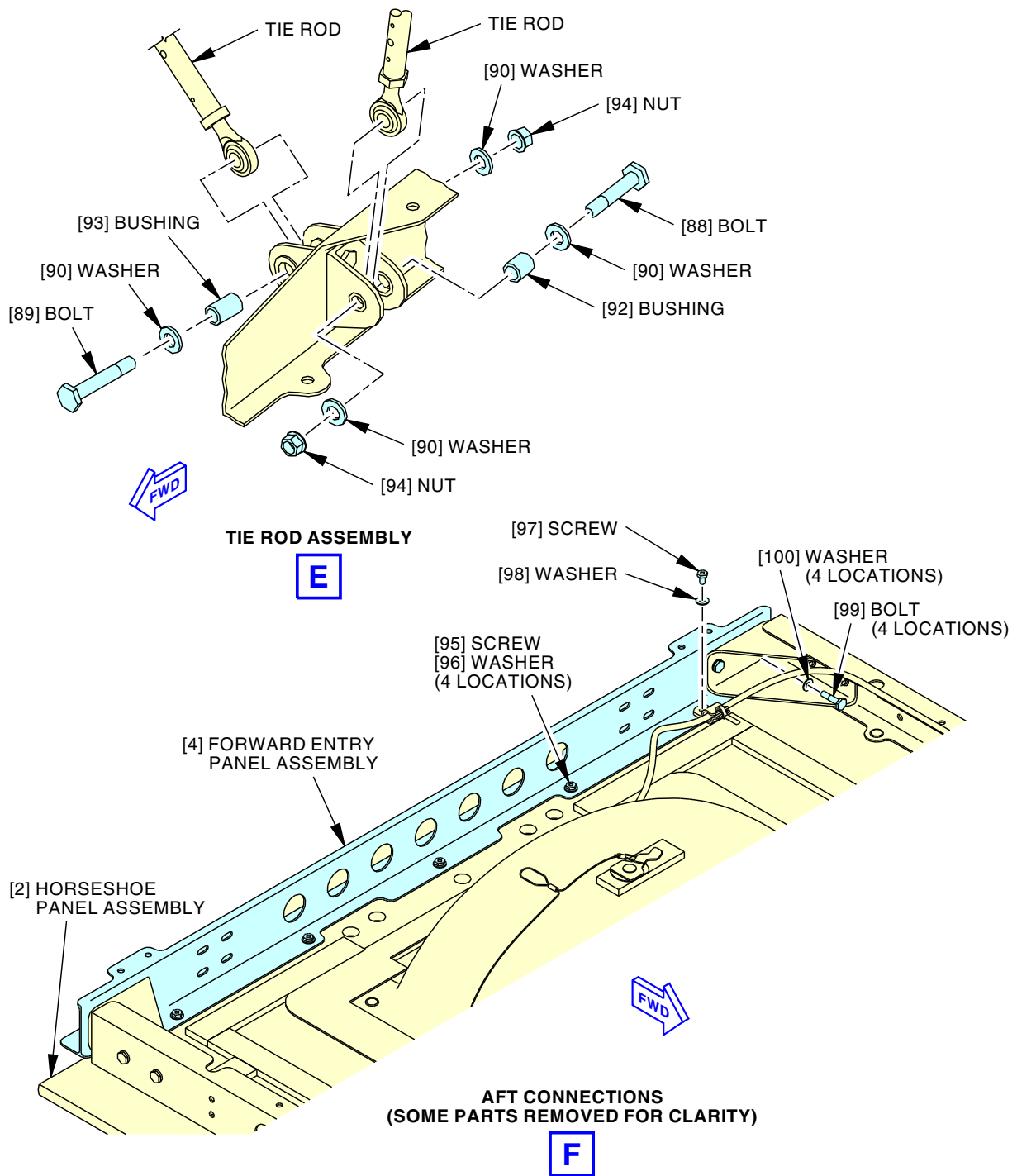
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2541074 S0000602206_V1

Forward Entry Ceiling Panel Installation
Figure 406/25-21-71-990-809 (Sheet 3 of 3)

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TASK 25-21-71-400-806

13. **Forward Entry Ceiling Panel Installation**

(Figure 406)

A. General

- (1) This task includes the steps to install the forward entry panel assembly [4] in the passenger cabin.

B. References

Reference	Title
25-21-30-420-801	Forward Entry Door Doorway Header Panel Installation (P/B 401)

C. Tools/Equipment

Reference	Description
STD-15030	Wrench - Allen, 1/8 inch

D. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
4	Forward entry panel assembly	25-21-71-01-095	SIA ALL

E. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right
220	Subzone - Passenger Compartment - Body Station 259.50 to 360.00

F. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

G. Forward Entry Ceiling Panel Installation

SUBTASK 25-21-71-420-020



CAUTION

DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (1) Do these steps to install the forward entry panel assembly [4]:
- (a) Lift the forward entry panel assembly [4] into its correct position.
 - (b) If necessary, open the cove dome panel [81].
 - (c) Connect the forward entry panel assembly [4] to the tie rods with the bolts [86], bolt [87], bolts [88], bolt [89], washers [90], bushings [91], bushings [92], bushing [93], and nuts [94].

SUBTASK 25-21-71-420-021

- (2) If the horseshoe panel assembly [2] is installed, then do these steps to connect it to the forward entry panel assembly [4]:
- (a) Install the bolts [99] and washers [100] to connect the corner brackets.
 - 1) Make sure that the clearance between the panels is 0.20 in. (0.51 cm) to 0.30 in. (0.76 cm).

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- (b) Remove the screws [95] and washers [96].
- (c) Install the screw [97] and washer [98] to connect the wire harness clamp.
- (d) If removed, install new cable ties to connect the wire harness to the clamps.
- (e) Connect the three electrical connectors [80].
 - 1) Remove the caps from the electrical connections.

SUBTASK 25-21-71-420-037

- (3) Install the strap [84] to connect the muffler assembly to the duct assembly.

SUBTASK 25-21-71-420-038

- (4) Connect the electrical connectors [85].
 - (a) Remove the caps from the electrical connections.

SUBTASK 25-21-71-420-039

- (5) Connect the electrical connector [82].
 - (a) Remove the caps from the electrical connections.

SUBTASK 25-21-71-410-006

- (6) Do these steps to close and lock the cove dome panel [81]:
 - (a) Attach the lanyard [83].
 - (b) Close the cove dome panel [81].
 - (c) Find the two access holes in the clearance that is immediately forward of the cove dome panel [81].
 - (d) Put a 1/8 inch allen wrench, STD-15030, through the access holes.
 - (e) Turn the 1/8 inch allen wrench, STD-15030, 90° arc (2 rad) clockwise.

H. Put the Airplane Back to Its Usual Condition

SUBTASK 25-21-71-410-024

- (1) Do this task to install the left and right doorway header panels: Forward Entry Door Doorway Header Panel Installation, TASK 25-21-30-420-801.

SUBTASK 25-21-71-410-025

- (2) Do this task to install the close out panel assembly: Close Out Ceiling Panel Installation, TASK 25-21-71-400-805.

SUBTASK 25-21-71-410-026

- (3) If removed, do this task to install the horseshoe panel assembly [2]: Horseshoe Ceiling Panel Installation, TASK 25-21-71-400-803.

SUBTASK 25-21-71-410-027

- (4) Install the monuments or furnishings that you removed for access.

SUBTASK 25-21-71-860-031



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (5) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	3	C00140	WORK AND THSHD LTS

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	5	C01939	COVE LIGHT

SUBTASK 25-21-71-410-037

- (6) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-21-71-860-014

- (7) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C01936	ATTENDANT PANELS

F/O Electrical System Panel, P6-4

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	9	C00155	ENTRY LIGHTS DIM

————— END OF TASK —————

TASK 25-21-71-000-807

14. Aft Entry Ceiling Panel Removal

(Figure 407)

A. General

- (1) This task includes the steps to remove the aft entry panel assembly from the passenger cabin.

B. References

<u>Reference</u>	<u>Title</u>
25-21-24-000-801	Aft Door Doorway Header Panel Removal (P/B 401)

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C. Tools/Equipment

Reference	Description
STD-15030	Wrench - Allen, 1/8 inch

D. Location Zones

Zone	Area
118	Electrical and Electronics Compartment - Right
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

E. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

F. Prepare for the Removal

SUBTASK 25-21-71-860-007

- (1) Make sure that these circuit breakers are open and have safety tags:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN
F	7	C00156	OXYGEN IND
F	8	C00785	OXYGEN MAN CONT
F	9	C00784	OXYGEN PASS RIGHT
F	10	C00783	OXYGEN PASS LEFT

F/O Electrical System Panel, P6-1

Row	Col	Number	Name
D	12	C01936	ATTENDANT PANELS

F/O Electrical System Panel, P6-4

Row	Col	Number	Name
E	9	C00155	ENTRY LIGHTS DIM

F/O Electrical System Panel, P6-5

Row	Col	Number	Name
B	18	C01949	CABIN EMER LIGHTS

SUBTASK 25-21-71-010-037

- (2) To get access to the P92 panel, open this access panel:

Number	Name/Location
117A	Electronic Equipment Access Door

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SUBTASK 25-21-71-860-027



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (3) Make sure that this circuit breaker is open and has safety tag:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	5	C01939	COVE LIGHT

SUBTASK 25-21-71-010-017

- (4) If necessary, remove the monuments or furnishings that prevent the panel removal.

SUBTASK 25-21-71-010-013

- (5) If necessary, remove the cove horseshoe panel assembly [6].
- (a) To remove the cove horseshoe panel assembly [6], do this task: Cove Horseshoe Ceiling Panel Removal, TASK 25-21-71-000-804.

SUBTASK 25-21-71-010-014

- (6) Do this task to remove the left and right doorway header panels: Aft Door Doorway Header Panel Removal, TASK 25-21-24-000-801.

G. Aft Entry Ceiling Panel Removal

SUBTASK 25-21-71-010-010

- (1) Do these steps to open the access panel [114]:
- (a) Find the two access holes in the clearance that is immediately aft of the access panel [114].
 - (b) Put a 1/8 inch allen wrench, STD-15030, through the access holes.
 - (c) Turn the 1/8 inch allen wrench, STD-15030, 90°arc (2 rad) counterclockwise to release the latches.
- NOTE: This will let you open the access panel a small distance.
- (d) Disconnect the lanyard [110].
 - (e) Open the access panel fully.

SUBTASK 25-21-71-010-015

- (2) Do these steps to open the door panel [113]:
- (a) Find the three access holes in the clearance that is immediately forward of the door panel [113].
 - (b) Put a 1/8 inch allen wrench, STD-15030, through the access holes.

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- (c) Turn the 1/8 inch allen wrench, STD-15030, 90°arc (2 rad) counterclockwise to release the latches.

NOTE: This will let you open the door panel a small distance.

- (d) Disconnect the lanyard [110].
- (e) Open the door panel fully.

SUBTASK 25-21-71-020-025

- (3) Disconnect the electrical connectors on the battery packs [116].
 - (a) Install caps on the electrical connections to prevent contamination.

SUBTASK 25-21-71-020-032

- (4) Disconnect the electrical connector [111].
 - (a) Install caps on the electrical connections to prevent contamination.

SUBTASK 25-21-71-020-033

- (5) Disconnect the electrical connectors [117].
 - (a) Install caps on the electrical connections to prevent contamination.

SUBTASK 25-21-71-020-026

- (6) Remove the straps [112] to disconnect the hoses and ducts from the aft entry panel assembly [7].

SUBTASK 25-21-71-020-027

- (7) If the cove horseshoe panel assembly [6] is installed, then do these steps to disconnect it from the aft entry panel assembly [7]:
 - (a) Disconnect the three electrical connectors [115].
 - 1) Install caps on the electrical connections to prevent contamination.
 - (b) Remove the bolts [127] and washers [128] to disconnect the corner brackets.

SUBTASK 25-21-71-020-028



DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (8) Do these steps to remove the aft entry panel assembly [7]:
 - (a) Remove the bolts [119], bolts [120], washers [121], washers [122], bushings [123], bushings [124], nuts [125], and lanyards [126] from each of the tie rod assemblies.

NOTE: Keep the bolts, washers, bushings, and nuts with each tie rod. They are not all the same.

 - 1) If necessary, move the tie rods in the UP direction for clearance.
 - (b) Carefully lower the aft entry panel assembly [7] out of its position.
 - (c) Remove the aft entry panel assembly [7].

———— **END OF TASK** ————

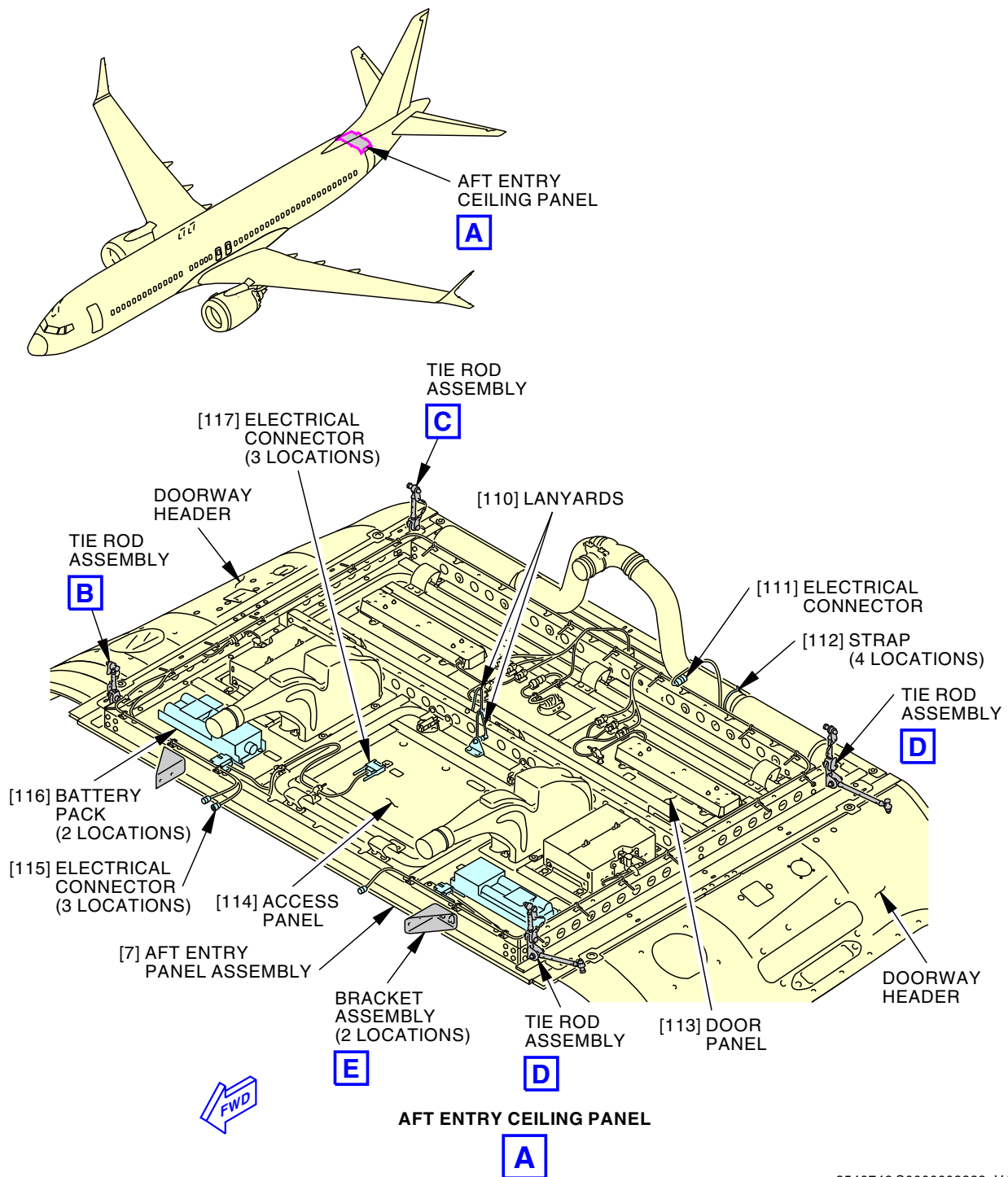
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Aft Entry Ceiling Panel Installation
Figure 407/25-21-71-990-807 (Sheet 1 of 3)

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B



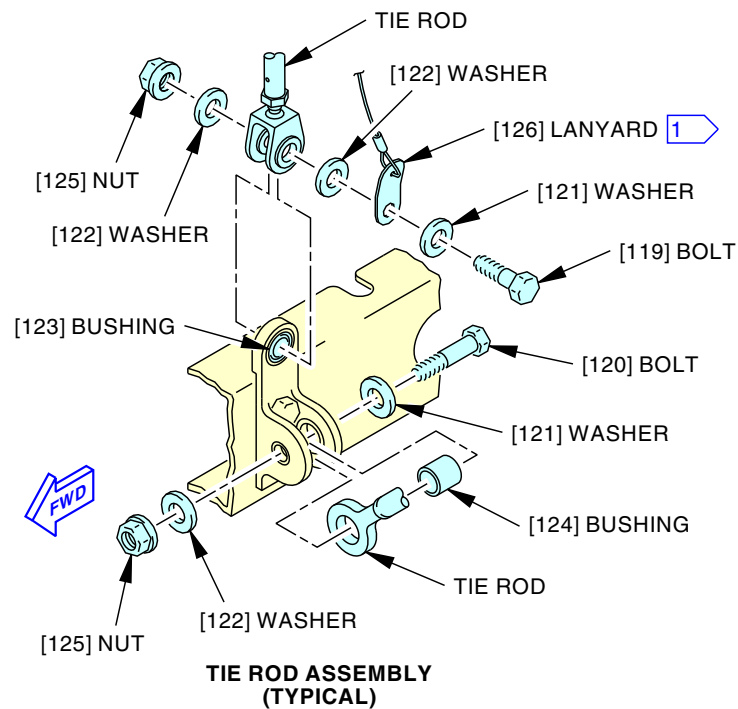
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Aft Entry Ceiling Panel Installation
Figure 407/25-21-71-990-807 (Sheet 2 of 3)

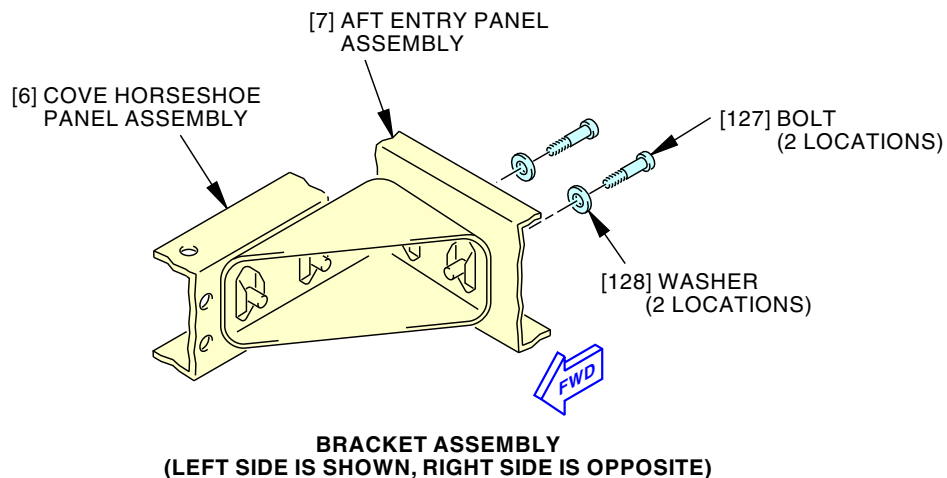
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D



E

1 THE LANYARD TAB MUST BE POINTED IN THE UP DIRECTION.

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Aft Entry Ceiling Panel Installation
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TASK 25-21-71-400-807

15. **Aft Entry Ceiling Panel Installation**

(Figure 407)

A. General

- (1) This task includes the steps to install the aft entry panel assembly [7] in the passenger cabin.

B. References

Reference	Title
25-21-24-400-801	Aft Door Doorway Header Panel Installation (P/B 401)

C. Tools/Equipment

Reference	Description
STD-15030	Wrench - Allen, 1/8 inch

D. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
7	Aft entry panel assembly	25-21-71-07-495	SIA ALL

E. Location Zones

Zone	Area
118	Electrical and Electronics Compartment - Right
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

F. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

G. Aft Entry Ceiling Panel Installation

SUBTASK 25-21-71-420-022



CAUTION

DO NOT SCRATCH OR HIT THE CEILING PANELS WHEN YOU REMOVE OR INSTALL THEM. YOU CAN EASILY CAUSE DAMAGE TO THE CEILING PANELS.

- (1) Do these steps to install the aft entry panel assembly [7]:
- Lift the aft entry panel assembly [7] into its correct position.
 - If necessary, open the access panel [114] and the door panel [113].
 - Connect the aft entry panel assembly [7] to the tie rods with the bolts [119], bolts [120], washers [121], washers [122], bushings [123], bushings [124], nuts [125], and lanyards [126].
 - Make sure that the lanyard tab is pointed in the UP direction.

SUBTASK 25-21-71-420-023

- (2) If the cove horseshoe panel assembly [6] is installed, then do these steps to connect it to the aft entry panel assembly [7]:
- Install the bolts [127] and washers [128] to connect the corner brackets.
 - Make sure that the clearance between the panels is 0.20 in. (0.51 cm) to 0.30 in. (0.76 cm).
 - Connect the three electrical connectors [115].
 - Remove the caps from the electrical connections.

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SUBTASK 25-21-71-420-024

- (3) Install the straps [112] to connect the hoses and ducts to the aft entry panel assembly [7].

SUBTASK 25-21-71-420-025

- (4) Connect the electrical connectors [117].
 - (a) Remove the caps from the electrical connections.

SUBTASK 25-21-71-420-026

- (5) Connect the electrical connector [111].
 - (a) Remove the caps from the electrical connections.

SUBTASK 25-21-71-420-027

- (6) Connect the electrical connectors on the battery packs [116].
 - (a) Remove the caps from the electrical connections.

SUBTASK 25-21-71-410-013

- (7) Do these steps to close and lock the door panel [113]:
 - (a) Attach the lanyard [110].
 - (b) Close the door panel [113].
 - (c) Find the three access holes in the clearance that is immediately forward of the door panel [113].
 - (d) Put a 1/8 inch allen wrench, STD-15030, through the access holes.
 - (e) Turn the 1/8 inch allen wrench, STD-15030, 90°arc (2 rad) clockwise.

SUBTASK 25-21-71-410-014

- (8) Do these steps to close and lock the access panel [114]:
 - (a) Attach the lanyard [110].
 - (b) Close the access panel [114].
 - (c) Find the two access holes in the clearance that is immediately aft of the access panel [114].
 - (d) Put a 1/8 inch allen wrench, STD-15030, through the access holes.
 - (e) Turn the 1/8 inch allen wrench, STD-15030, 90°arc (2 rad) clockwise.

H. Put the Airplane Back to Its Usual Condition

SUBTASK 25-21-71-410-015

- (1) Do this task to install the left and right doorway header panels: Aft Door Doorway Header Panel Installation, TASK 25-21-24-400-801.

SUBTASK 25-21-71-410-016

- (2) If removed, do this task to install the cove horseshoe panel assembly [6]: Cove Horseshoe Ceiling Panel Installation, TASK 25-21-71-400-804

SUBTASK 25-21-71-410-017

- (3) Install the monuments or furnishings that you removed for access.

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SUBTASK 25-21-71-860-032



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (4) Remove the safety tag and close this circuit breaker:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	5	C01939	COVE LIGHT

SUBTASK 25-21-71-410-038

- (5) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-21-71-860-008

- (6) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN
F	7	C00156	OXYGEN IND
F	8	C00785	OXYGEN MAN CONT
F	9	C00784	OXYGEN PASS RIGHT
F	10	C00783	OXYGEN PASS LEFT

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C01936	ATTENDANT PANELS

F/O Electrical System Panel, P6-4

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	9	C00155	ENTRY LIGHTS DIM

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F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
B	18	C01949	CABIN EMER LIGHTS

————— END OF TASK —————

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PASSENGER SEATS - REMOVAL/INSTALLATION

1. General

- A. This procedure has these tasks:
- (1) Passenger Seat Removal
 - (2) Passenger Seat Installation

TASK 25-22-00-000-801

2. Passenger Seat Removal

(Figure 401 or Figure 402)

A. General

- (1) This task has instructions to remove a passenger seat (referred to as passenger seat [1]).

B. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
SPL-6918	Cart - Passenger Seat Part #: J25008-1 Supplier: 81205

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Passenger Seat Removal

SUBTASK 25-22-00-860-008

- (1) Open this circuit breaker and install safety tag:

F/O Electrical System Panel, P6-5

Row	Col	Number	Name
A	17	C01644	SEAT POWER FWD

SUBTASK 25-22-00-020-001

- (2) Remove the covers on the front and rear seat tracks.

SUBTASK 25-22-00-860-002

- (3) Disconnect the electrical connectors for the electrical equipment, if installed.

SUBTASK 25-22-00-020-002

- (4) Loosen the aft track fitting screws [2] on the rear leg track fitting to the fully up position.

NOTE: Use care to not back out the fitting screw too far, as damage can occur to the screw retention device.

SUBTASK 25-22-00-020-003

- (5) Loosen the anti-rattle devices [4] on the front leg stud to the full up position.

SUBTASK 25-22-00-020-004

- (6) For passenger seat [1] in the transition zone, loosen the track adapter stud nuts [3] on the forward track fitting to the full up position.

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SUBTASK 25-22-00-010-001

- (7) Move the passenger seat [1] forward or aft approximately 0.50 in. (12.70 mm) to align the flanges on the seat track fittings with the holes in the seat tracks.

SUBTASK 25-22-00-020-005



WARNING

CAREFULLY LIFT, LOWER, OR MOVE THE SEATS. BECAUSE SOME SEATS HAVE A WEIGHT OF ALMOST 250 LB (113 KG), INJURIES TO PERSONNEL CAN OCCUR.

- (8) Remove the passenger seat [1].
- (a) Use the seat cart, SPL-6918, to help move the passenger seat [1], if it is necessary.

———— **END OF TASK** ————

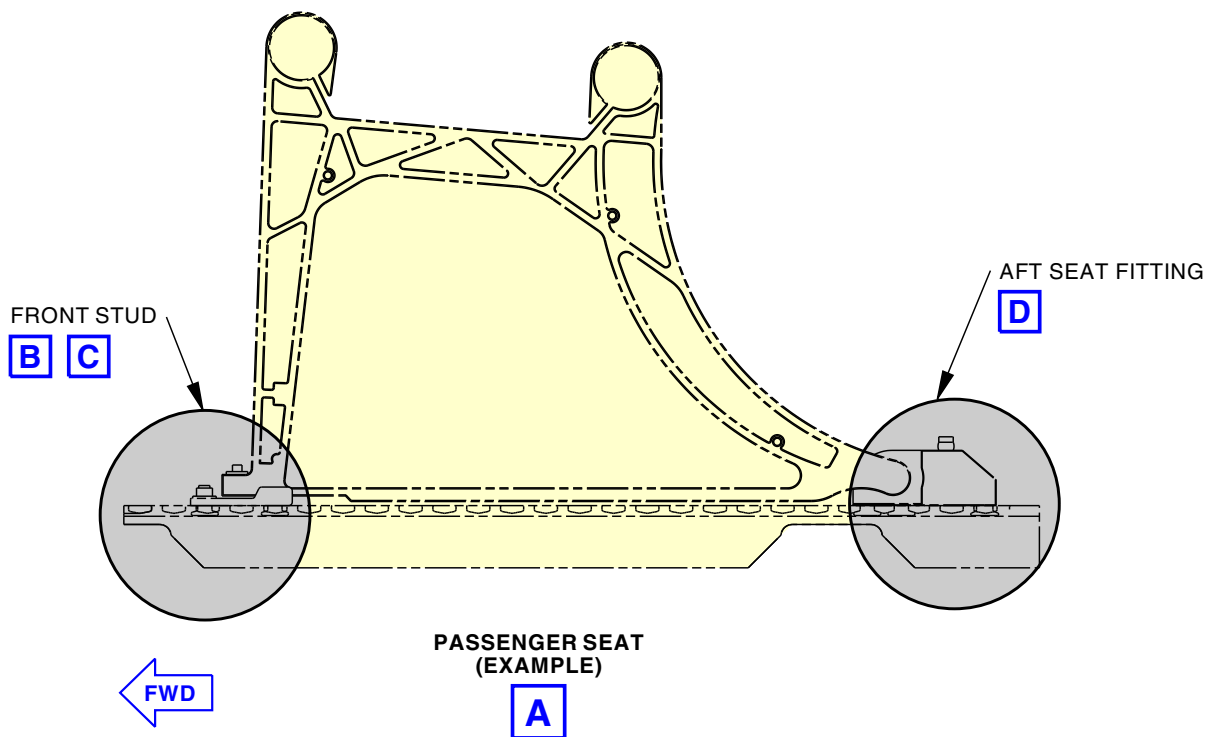
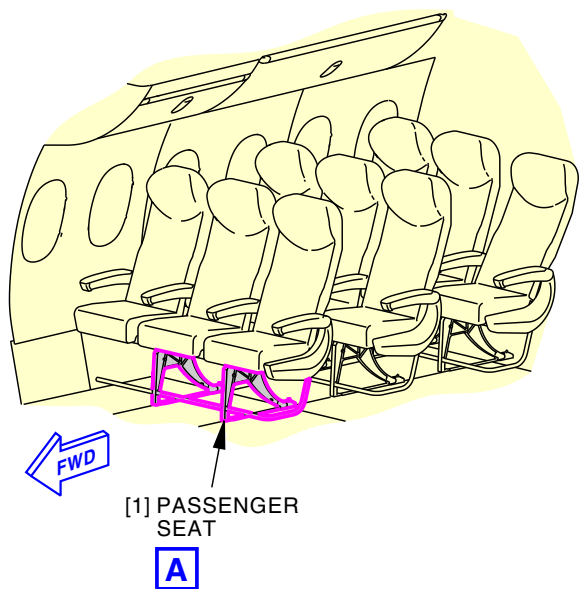
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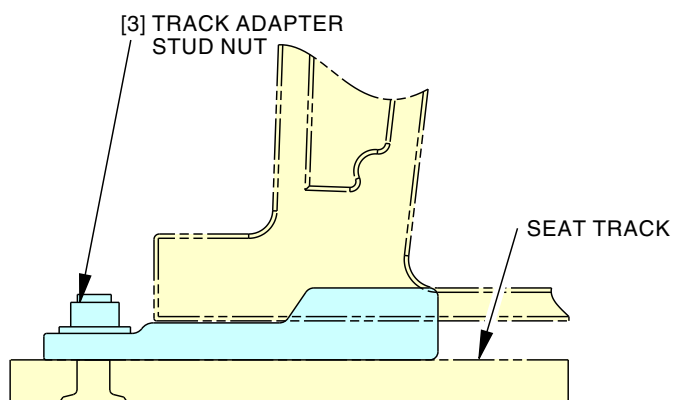
Meridian Passenger Seat Installation
Figure 401/25-22-00-990-821 (Sheet 1 of 2)

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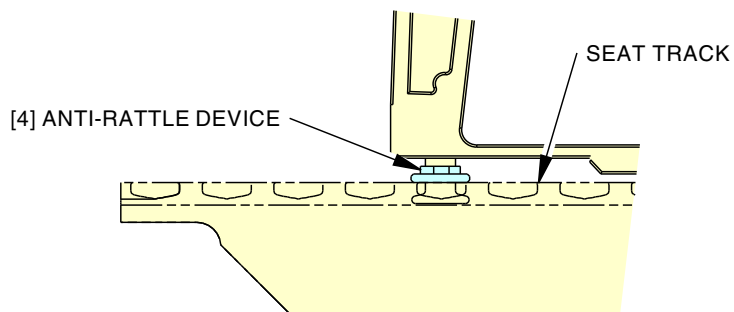
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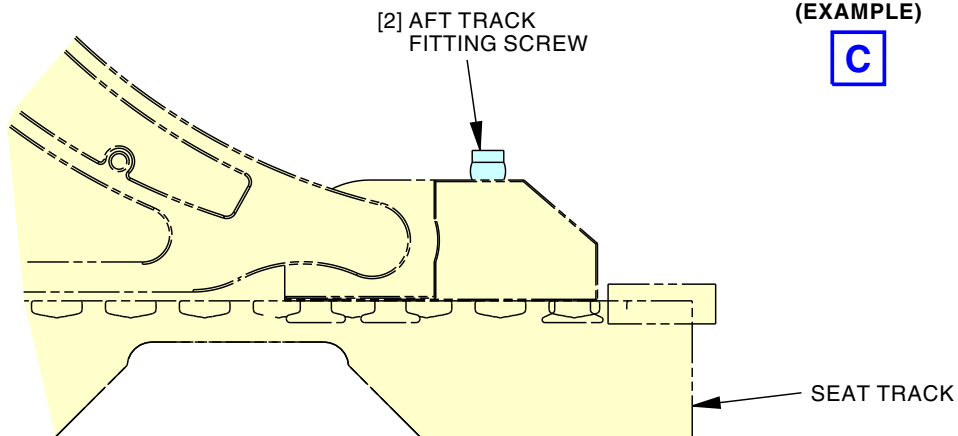
FRONT STUD
(EXAMPLE)

B



FRONT STUD
(EXAMPLE)

C



AFT SEAT FITTING
(EXAMPLE)

D

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Meridian Passenger Seat Installation
Figure 401/25-22-00-990-821 (Sheet 2 of 2)

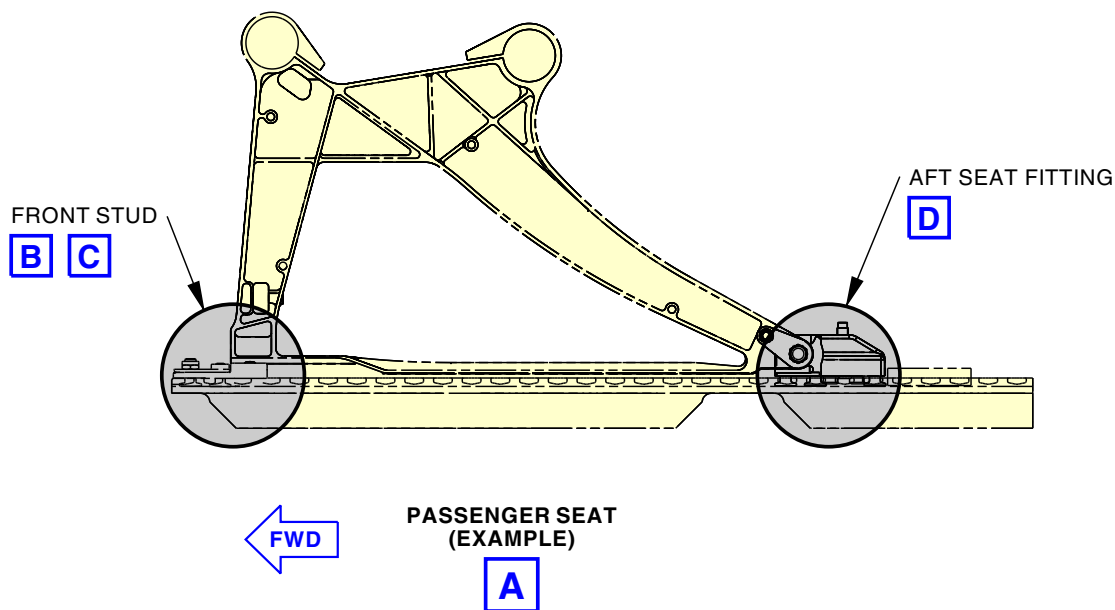
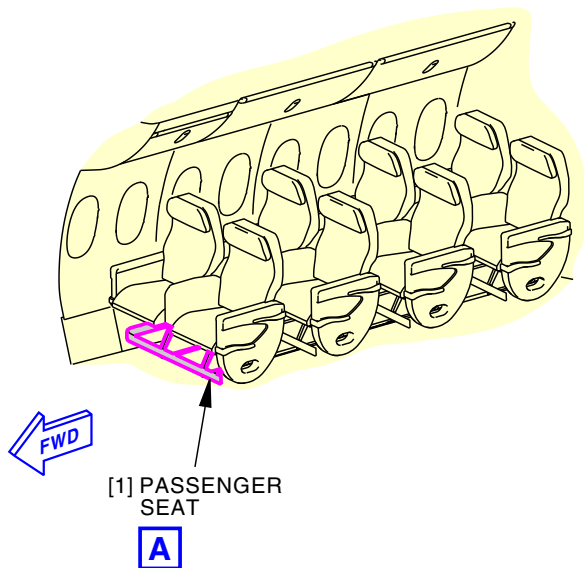
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MIQ Passenger Seat Installation
Figure 402/25-22-00-990-823 (Sheet 1 of 2)

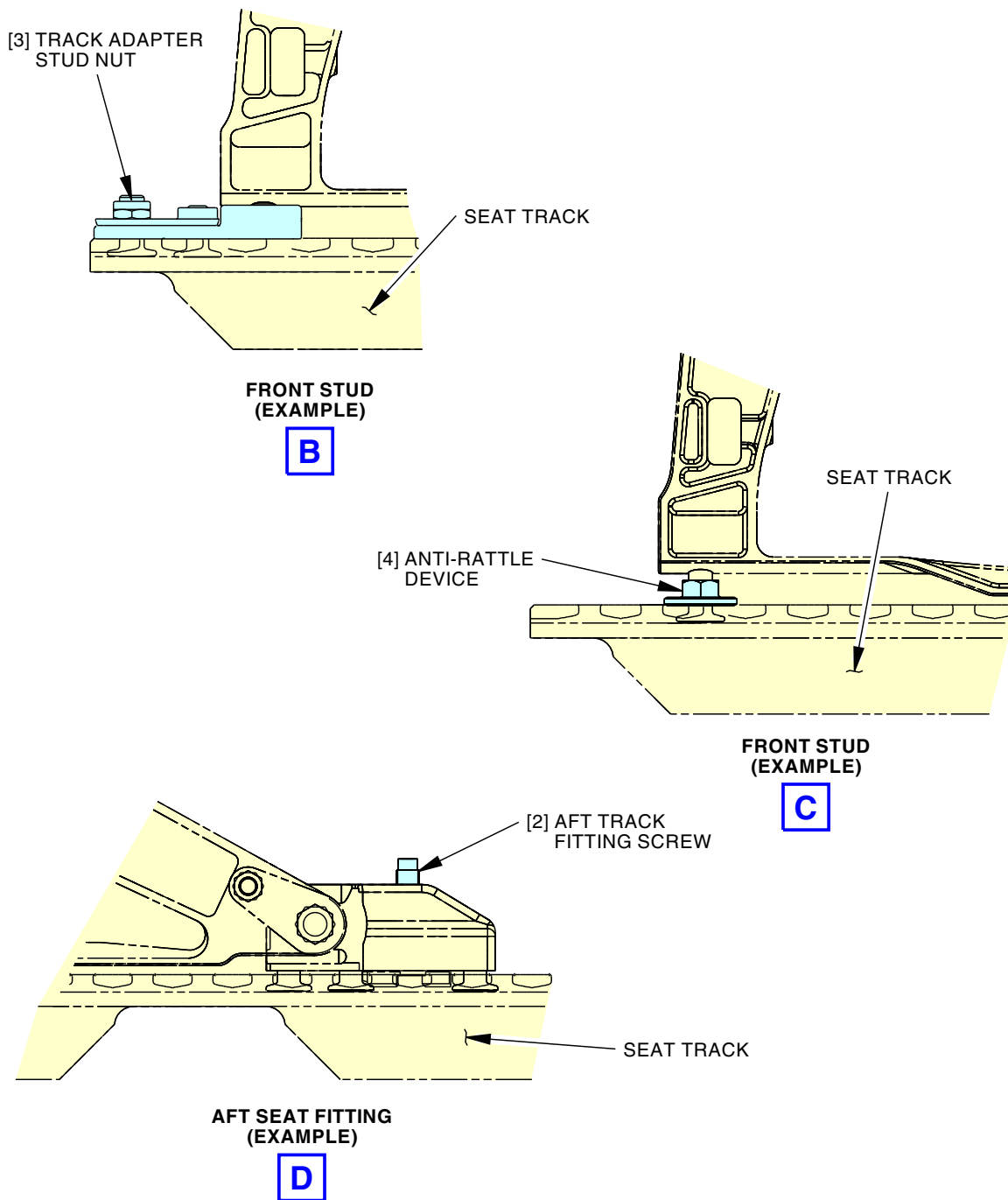
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MIQ Passenger Seat Installation
Figure 402/25-22-00-990-823 (Sheet 2 of 2)

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TASK 25-22-00-400-801

3. Passenger Seat Installation

(Figure 401 or Figure 402)

A. General

- (1) This task has instructions to install a passenger seat (referred to as passenger seat [1]).

B. References

Reference	Title
20-60-07-910-802	Inspection, Cleaning and Sealing of Electrical Connectors (P/B 201)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Passenger Seat Installation

SUBTASK 25-22-00-420-001

- (1) Make sure that the anti-rattle devices [4] and aft track fitting screws [2] are loose and in the full up position.

SUBTASK 25-22-00-420-002

- (2) Put the passenger seat [1] in the correct position in the seat tracks.
- (a) Make sure that the flanges on the seat track fittings engage between the cutouts in the seat track.

SUBTASK 25-22-00-420-003

- (3) Move the passenger seat [1] in the forward or aft direction to get the correct seat pitch.

SUBTASK 25-22-00-210-001

- (4) Tighten the seat track fittings.

SUBTASK 25-22-00-420-025

- (5) For the passenger seat [1], do these steps:
- (a) Tighten the aft track fitting screw [2] on the rear leg track fitting to the applicable torque shown in the table.
- NOTE: The screw is installed correctly when the screw head is flush with the top of the seat track fitting.



MAKE SURE THAT THE OUTBOARD SEAT TRACK HAS THE LONGER ADAPTER PLATE INSTALLED. MAKE SURE THAT THE INBOARD SEAT TRACK HAS THE SHORTER ADAPTER PLATE INSTALLED. AFTER INSTALLATION, MAKE SURE THAT THE SEAT TRACK HAS THE SEAT CORRECTLY AND SAFELY ATTACHED TO IT. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT OR INJURY TO PERSONS CAN OCCUR.

- (b) For seats installed in the transition zone with a front stud track adapter, tighten the track adapter stud nut [3] to the applicable torque shown in the table.
- (c) Tighten the anti-rattle device [4] on the forward leg track fitting to the applicable torque shown in the table.



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Table 401/25-22-00-993-801 BE Aerospace/Rockwell Collins Passenger Seats

Model Series	Part	Torque Value
Air Rest	aft track fitting screw [2]	60 ±10 in-lb (6.8 ±1.2 N·m)
	anti-rattle device [4]	Turn until it is flush with the with the top of the seat track plus an additional 1/4 turn
	track adapter stud nut [3]	70 ±20 in-lb (8 ±2 N·m)
Diamond	aft track fitting screw [2]	60 ±10 in-lb (6.8 ±1.2 N·m)
	anti-rattle device [4]	Turn until it is flush with the with the top of the seat track plus an additional 1/4 turn
Meridian	aft track fitting screw [2]	60 ±10 in-lb (6.8 ±1.2 N·m)
	anti-rattle device [4]	Turn until it is flush with the with the top of the seat track plus an additional 1/4 turn
	track adapter stud nut [3]	70 ±20 in-lb (8 ±2 N·m)
Millennium	aft track fitting screw [2]	60 ±10 in-lb (6.8 ±1.2 N·m)
	anti-rattle device [4]	Turn until it is flush with the with the top of the seat track plus an additional 1/4 turn
MIQ	aft track fitting screw [2]	60 ±10 in-lb (6.8 ±1.2 N·m)
	anti-rattle device [4]	Turn until it is flush with the with the top of the seat track plus an additional 1/4 turn
	track adapter stud nut [3]	70 ±20 in-lb (8 ±2 N·m)
Pinnacle	aft track fitting screw [2]	60 ±10 in-lb (6.8 ±1.2 N·m)
	anti-rattle device [4]	Turn until it is flush with the with the top of the seat track plus an additional 1/4 turn
	track adapter stud nut [3]	70 ±20 in-lb (8 ±2 N·m)
Spectrum Convertible	aft track fitting screw [2]	60 ±10 in-lb (6.8 ±1.2 N·m)
	anti-rattle device [4]	Hand tighten with an additional 1/4 turn

SUBTASK 25-22-00-210-004

- (6) If electrical equipment is installed, inspect any visible wiring for chafing and breakage and do a check of the electrical connectors (TASK 20-60-07-910-802).

SUBTASK 25-22-00-420-009

- (7) Connect the electrical connectors for the electrical equipment, if installed.

SUBTASK 25-22-00-420-010

- (8) Install the seat track covers.

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SUBTASK 25-22-00-860-009

- (9) Remove the safety tag and close this circuit breaker:

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	17	C01644	SEAT POWER FWD

————— END OF TASK —————

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PASSENGER SEATS - INSPECTION/CHECK

1. General

A. This procedure has these tasks:

- (1) Passenger Seat Belt Check
- (2) Passenger Seat Recline Operational Check and Inspection
- (3) Passenger Seat Breakover Check at Emergency Exits
- (4) Passenger Seat Recline Restriction Check at Emergency Exits
- (5) Track-mounted Passenger Seat Check and Inspection

TASK 25-22-00-200-801

2. Passenger Seat Belt Check

NOTE: This procedure is a scheduled maintenance task.

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Passenger Seat Belt Check

SUBTASK 25-22-00-210-002

- (1) Do a visual check to make sure that the passenger seat belts are not:
 - (a) Worn
 - (b) Frayed
 - (c) Damaged.

SUBTASK 25-22-00-280-001

- (2) Pull on the passenger seat belts.
 - (a) Make sure that the passenger seat belts are attached tightly to the seat.

SUBTASK 25-22-00-280-002

- (3) Put the tongue end of the passenger seat belt in the buckle.
 - (a) Make sure that you hear a click when the tongue is engaged in the buckle.

SUBTASK 25-22-00-280-003

- (4) Lift the release handle on the buckle to disengage the passenger seat belt halves.

———— **END OF TASK** ————

TASK 25-22-00-710-801

3. Passenger Seat Recline Operational Check and Inspection

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Passenger Seat Recline Operational Check and Inspection

SUBTASK 25-22-00-710-001

- (1) Push the recline button and push on the back of the seat.
 - (a) Make sure that the seat back reclines.

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SUBTASK 25-22-00-710-002

- (2) Release the recline button and the back of the seat.
 - (a) Make sure that the seat back stays reclined.

SUBTASK 25-22-00-710-003

- (3) Push the recline button.
 - (a) Make sure that the seat back moves to its upright position.

SUBTASK 25-22-00-710-004

- (4) Release the recline button, and push on the back of the seat.
 - (a) Make sure that the seat back does not recline.

————— END OF TASK —————

TASK 25-22-00-710-802

4. Passenger Seat Breakover Check at Emergency Exits

NOTE: This procedure is a scheduled maintenance task.

A. Location Zones

Zone	Area

200	Upper Half of Fuselage

B. Passenger Seat Breakover Check at Emergency Exits

SUBTASK 25-22-00-980-001

- (1) Examine the passenger seats that are forward and aft of the emergency exits.

NOTE: The Interior Configuration Specification for your airplanes must show the requirements for the emergency exit aisles.

- (a) Make sure that the passenger seats do not breakover into the pathways of the emergency exits.

————— END OF TASK —————

TASK 25-22-00-710-803

5. Passenger Seat Recline Restriction Check at Emergency Exits

Figure 601

NOTE: This procedure is a scheduled maintenance task.

A. Location Zones

Zone	Area

231	Forward Passenger Compartment - Forward Entry Door to STA 663.75 - Left
232	Forward Passenger Compartment - Forward Entry Door to STA 663.75 - Right

B. Procedure

SUBTASK 25-22-00-211-001

- (1) Make sure that the passenger seats that are in the area of the emergency exit doors do not recline into the emergency exit aisles:
 - (a) The minimum dimension of the emergency exit aisle for a three seat is 13 in. (33 cm).
 - (b) The minimum dimension of the emergency exit aisle for a two seat is 6 in. (15.2 cm).

————— END OF TASK —————

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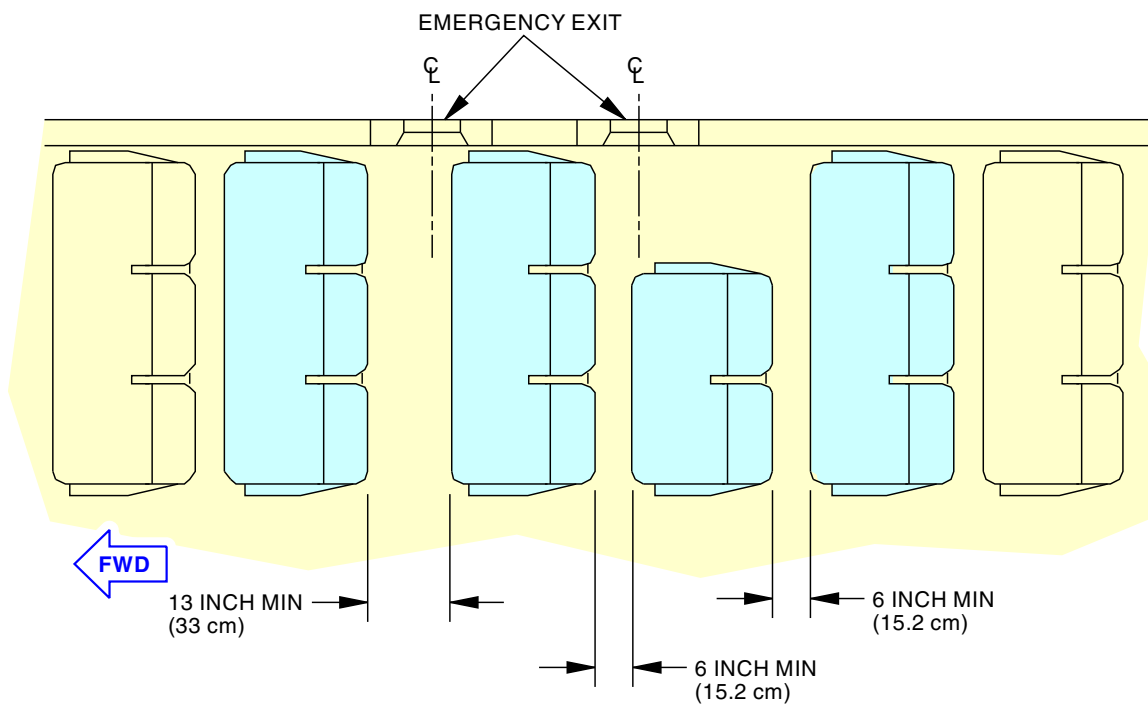
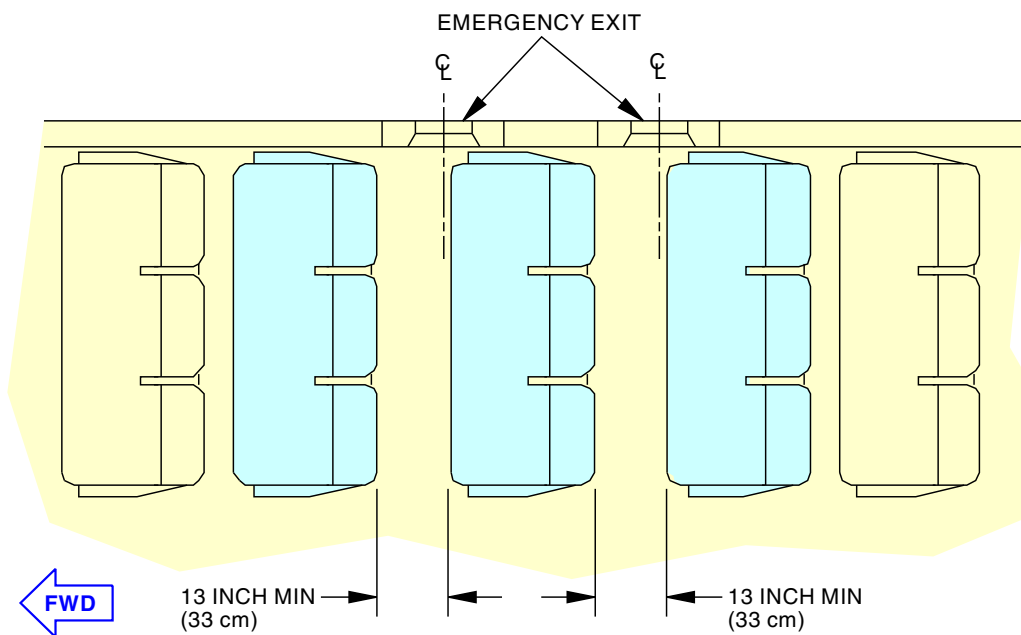
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2411884 S00061529366_V1

Minimum Emergency Exit Aisle Dimensions
Figure 601/25-22-00-990-802

EFFECTIVITY
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TASK 25-22-00-200-802

6. Track-mounted Passenger Seat Check and Inspection

NOTE: This procedure is a scheduled maintenance task.

A. References

Reference	Title
25-22-00-400-801	Passenger Seat Installation (P/B 401)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-22-00-210-003

- (1) Make sure that the seat track fittings are installed correctly.

SUBTASK 25-22-00-700-001

- (2) Hold the seat back and try to move the seat forward and aft.

NOTE: The seat assembly must not move at the seat track fittings.

SUBTASK 25-22-00-010-002

- (3) If the seat moves, remove the seat track covers.

SUBTASK 25-22-00-430-001

- (4) Tighten the rear seat track fitting to the recommended torque (TASK 25-22-00-400-801).

SUBTASK 25-22-00-430-002

- (5) Tighten the forward anti-rattle device to the recommended torque (TASK 25-22-00-400-801).
(a) If there is no anti-rattle, tighten front fitting to the recommended torque.

SUBTASK 25-22-00-420-026

- (6) Tighten the track adapter to the recommended torque (TASK 25-22-00-400-801).

————— **END OF TASK** —————

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SIA 001-014

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ATTENDANT AND LAVATORY SERVICE UNITS - REMOVAL/INSTALLATION

1. **General**

- A. This procedure has these tasks:
- (1) Attendant/Lavatory Service Units Removal
 - (2) Attendant/Lavatory Service Units Installation

TASK 25-23-13-000-801

2. **Attendant/Lavatory Service Unit Removal**

(Figure 401 or Figure 402)

A. **General**

- (1) The attendant service unit contains emergency oxygen masks and an oxygen generator.
- (2) The lavatory service unit contains emergency oxygen masks and an oxygen cylinder.
- (3) The attendant and lavatory service units are also called oxygen boxes.
- (4) You can remove the oxygen masks and oxygen generator with the attendant service unit installed.
- (5) You can remove the oxygen masks and oxygen cylinder with the lavatory service units installed.

B. **References**

Reference	Title
35-22-11-000-801	Oxygen Generator Deactivation (P/B 201)
35-22-51-040-801	Oxygen Cylinder (CDS) Deactivation (P/B 201)

C. **Tools/Equipment**

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
SPL-14266	Screwdriver - Driver Assembly
	Part #: 29-90-114-10 Supplier: 94222
	Part #: 29-90-214-10 Supplier: 94222

D. **Location Zones**

Zone	Area
200	Upper Half of Fuselage

E. **Attendant Service Unit Removal**

SUBTASK 25-23-13-040-001

- (1) Do this task: Oxygen Generator Deactivation, TASK 35-22-11-000-801.

SUBTASK 25-23-13-020-001

- (2) Remove the screws [2] from the side of the service unit [1].

NOTE: The screws [2] are on the inside edge of the oxygen box.

NOTE: Some service units have easy access to the back (top) side. Examples of these would be the one in the aft lowered ceiling, If you want, you can remove these service units by removing the screws from the back (top) side of the ceiling panel.

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SUBTASK 25-23-13-020-002

- (3) Move the service unit [1] inboard and disconnect the electrical connector [3].

SUBTASK 25-23-13-020-003

- (4) Remove the service unit [1].

F. Lavatory Service Unit Removal

SUBTASK 25-23-13-040-002

- (1) Do this task: Oxygen Cylinder (CDS) Deactivation, TASK 35-22-51-040-801.

SUBTASK 25-23-13-020-004

- (2) To gain access to the top (back) side of the service unit, do these steps
 - (a) Use the driver assembly screwdriver, SPL-14266, to loosen the fasteners [23] in the lavatory ceiling panel [22].
 - (b) Lower the lavatory ceiling panel [22] until secured by the lanyards.

SUBTASK 25-23-13-020-005

- (3) Disconnect the electrical connector [25].

SUBTASK 25-23-13-020-006

- (4) Disconnect the screws [24] and remove the service unit [21] unit from the lavatory structure.

———— **END OF TASK** ————

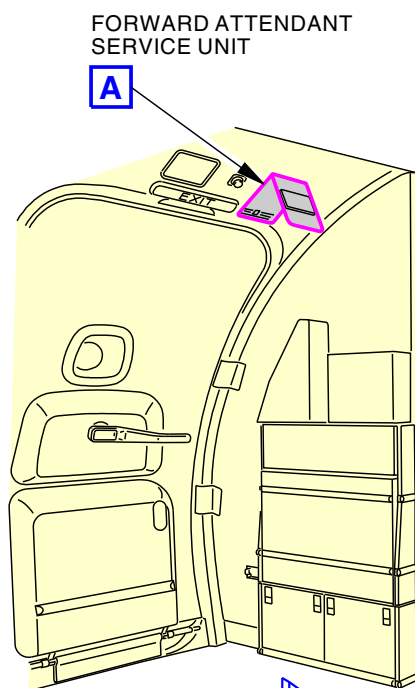
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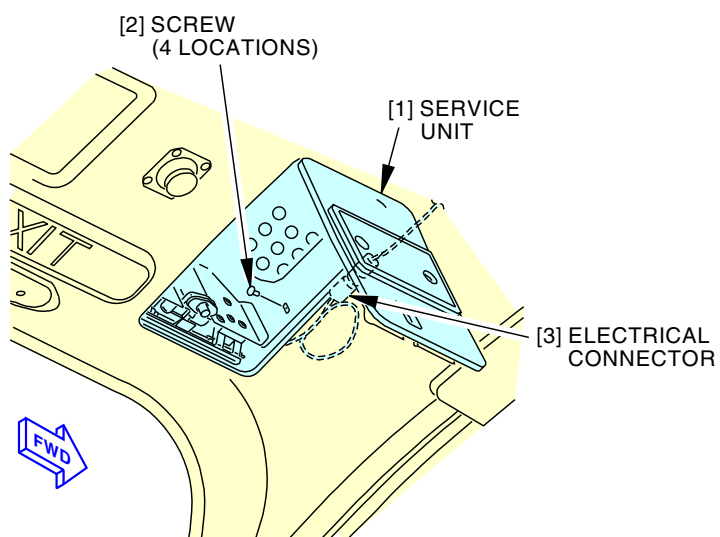
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**FORWARD LAVATORY
(EXAMPLE)**



**FORWARD ATTENDANT
SERVICE UNIT**

A

2411885 S00061529372_V1

Attendant Service Unit Installation
Figure 401/25-23-13-990-801 (Sheet 1 of 2)

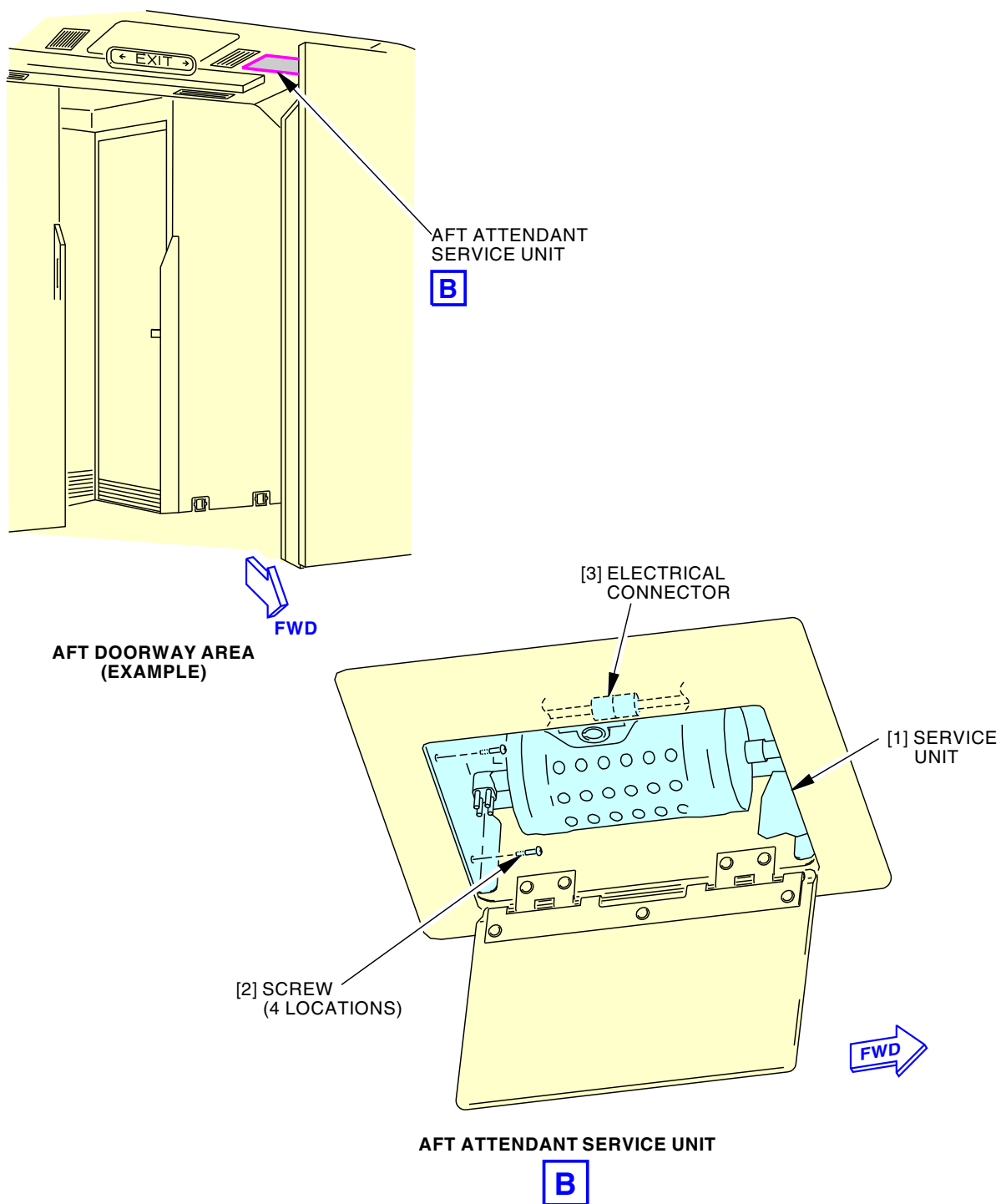
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Attendant Service Unit Installation
Figure 401/25-23-13-990-801 (Sheet 2 of 2)

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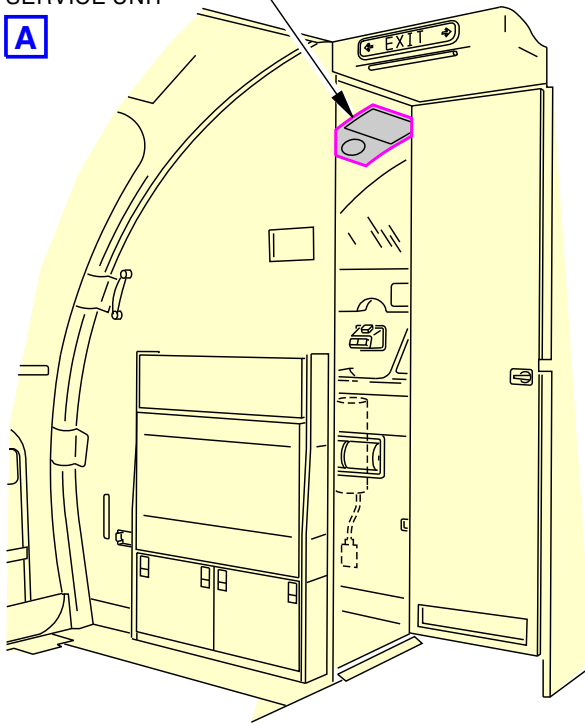
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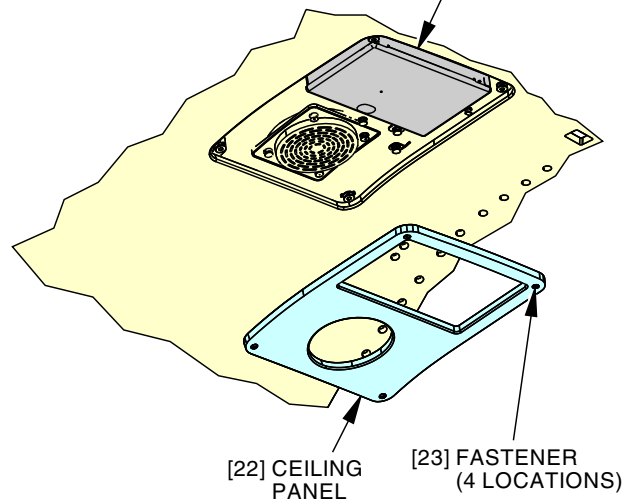
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FORWARD LAVATORY
SERVICE UNIT

A



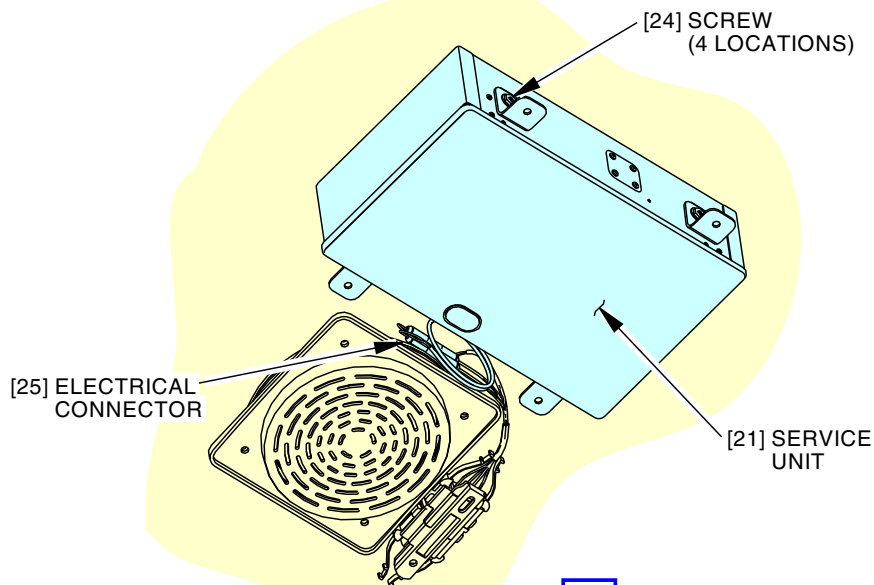
B



[22] CEILING
PANEL

[23] FASTENER
(4 LOCATIONS)

A



[24] SCREW
(4 LOCATIONS)

[25] ELECTRICAL
CONNECTOR

[21] SERVICE
UNIT

B

2464816 S0000574435_V1

Lavatory Service Unit Installation
Figure 402/25-23-13-990-802

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TASK 25-23-13-400-801

3. Attendant/Lavatory Service Unit Installation

(Figure 401 or Figure 402)

A. General

- (1) The attendant service unit contains emergency oxygen masks and an oxygen generator.
- (2) The lavatory service unit contains emergency oxygen masks and an oxygen cylinder.
- (3) The attendant and lavatory service units are also called oxygen boxes.
- (4) You can remove the oxygen masks and oxygen generator with the attendant service unit installed.
- (5) You can remove the oxygen masks and oxygen cylinder with the lavatory service units installed.

B. References

Reference	Title
25-21-30 P/B 401	FORWARD ENTRY DOOR DOORWAY HEADER PANEL - REMOVAL/INSTALLATION
25-21-34 P/B 401	FORWARD GALLEY DOOR DOORWAY HEADER PANEL - REMOVAL/INSTALLATION
35-22-00-700-801	Passenger Oxygen System Automatic Actuation Functional Test (P/B 501)
35-22-00-700-802	Passenger Oxygen System Manual Deploy Operational Test (P/B 501)
35-22-11-400-801	Oxygen Generator Activation (P/B 201)
35-22-51-440-801	Oxygen Cylinder (CDS) Activation (P/B 201)

C. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
SPL-14266	Screwdriver - Driver Assembly Part #: 29-90-114-10 Supplier: 94222 Part #: 29-90-214-10 Supplier: 94222

D. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Service unit	25-23-13-11-022	SIA ALL
21	Service unit	25-23-13-21-015	SIA ALL

E. Location Zones

Zone	Area
200	Upper Half of Fuselage

F. Attendant Service Unit Installation

SUBTASK 25-23-13-420-001

- (1) Connect the electrical connector [3] for the service unit [1].

SUBTASK 25-23-13-420-002

- (2) Put the service unit [1] into the opening in the ceiling panel.

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SUBTASK 25-23-13-210-001

- (3) Make sure the service unit [1] is correctly aligned in the ceiling panel.

SUBTASK 25-23-13-200-001

- (4) To align the oxygen box door, do these steps:
 - (a) Make sure there are three equal gaps between the oxygen box door and the ceiling panel cutout.
 - 1) Make sure there is a slightly larger gap at the hinge side of the oxygen box assembly.
 - (b) To adjust the alignment of the door in the panel assembly, the doorway header panel that contains the oxygen box assembly may have to be removed.
 - 1) Do the applicable task in this procedure: FORWARD ENTRY DOOR DOORWAY HEADER PANEL - REMOVAL/INSTALLATION, PAGEBLOCK 25-21-30/401.
 - 2) Do the applicable task in this procedure: FORWARD GALLEY DOOR DOORWAY HEADER PANEL - REMOVAL/INSTALLATION, PAGEBLOCK 25-21-34/401.

SUBTASK 25-23-13-420-003

- (5) Install the screws [2].

SUBTASK 25-23-13-440-001

- (6) Activate the service unit [1] (TASK 35-22-11-400-801).

G. Lavatory Service Unit Installation

SUBTASK 25-23-13-420-004

- (1) Put the service unit [21] in position on the back side of lavatory ceiling panel [22] and install the screws [24].

SUBTASK 25-23-13-420-005

- (2) Connect the electrical connector [25].

SUBTASK 25-23-13-420-006

- (3) Put the ceiling panel [22] in position against the lavatory structure.

SUBTASK 25-23-13-420-007

- (4) Install the fasteners [23] with the driver assembly screwdriver, SPL-14266.

SUBTASK 25-23-13-440-002

- (5) Activate the service unit [21] (TASK 35-22-51-440-801).

H. Attendant/Lavatory Service Unit Installation Test

SUBTASK 25-23-13-720-002

- (1) Do this task: Passenger Oxygen System Automatic Actuation Functional Test, TASK 35-22-00-700-801 or Passenger Oxygen System Manual Deploy Operational Test, TASK 35-22-00-700-802.

————— END OF TASK —————

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PASSENGER SERVICE UNIT (PSU) - REMOVAL/INSTALLATION

1. **General**

- A. This procedure contains these tasks:
- (1) Passenger Service Unit Removal.
 - (2) Passenger Service Unit Installation.
 - (3) Fixed PSU Spacer Panel Removal.
 - (4) Fixed PSU Spacer Panel Installation.
 - (5) Adjustable PSU Spacer Panel Removal.
 - (6) Adjustable PSU Spacer Panel Installation.
 - (7) Passenger Cabin Temperature Sensor Panel Removal.
 - (8) Passenger Cabin Temperature Sensor Panel Installation.
 - (9) Life Vest Panel Removal.
 - (10) Life Vest Panel Installation.
- B. The PSU has these functions:
- (1) Oxygen Unit.
 - (2) Reading Lights.
 - (3) NS / FSB Sign.
 - (4) Air Gaspers.
 - (5) Speaker.
 - (6) Attendant Call Button.

TASK 25-23-61-000-801

2. **Passenger Service Unit - Removal**

(Figure 401)

A. References

Reference	Title
25-23-13-000-801	Attendant/Lavatory Service Unit Removal (P/B 401)
35-00-00-910-801	Oxygen System General Maintenance Practices (P/B 201)
35-22-11-000-801	Oxygen Generator Deactivation (P/B 201)

B. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right
200	Upper Half of Fuselage

C. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

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D. Prepare to Remove the Passenger Service Unit (PSU)

SUBTASK 25-23-61-860-010

- (1) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT
C	8	C04072	PASS CABIN SIGNS FASTEN SEAT BELT R
C	9	C04071	PASS CABIN SIGNS FASTEN SEAT BELT L
C	10	C01408	PASS CABIN SIGNS NO SMOKING RIGHT
C	11	C01407	PASS CABIN SIGNS NO SMOKING LEFT
D	11	C00442	PASSENGER CABIN SIGNS PASS SIGN CONT
F	8	C00785	OXYGEN MAN CONT
F	9	C00784	OXYGEN PASS RIGHT
F	10	C00783	OXYGEN PASS LEFT

SUBTASK 25-23-61-010-012

- (2) To get access to the P91 and P92 panels, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-23-61-860-001



WARNING

WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



WARNING

DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (3) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
B	1	C00094	PASS READING LIGHTS-RIGHT STA 340-464
B	2	C00095	PASS READING LIGHTS-RIGHT
B	3	C00096	PASS READING LIGHTS-RIGHT
B	4	C00097	PASS READING LIGHTS-RIGHT
B	5	C00098	PASS READING LIGHTS-RIGHT
B	6	C00099	PASS READING LIGHTS-RIGHT
B	7	C00774	PASS READING LIGHTS-RIGHT
B	8	C01437	PASS READING LIGHTS-RIGHT
B	9	C01438	PASS READING LIGHTS-RIGHT

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SUBTASK 25-23-61-860-002



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (4) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 1, P91

Row	Col	Number	Name
B	1	C00087	PASS READING LIGHTS LEFT
B	2	C00088	PASS READING LIGHTS-LEFT
B	3	C00089	PASS READING LIGHTS-LEFT
B	4	C00090	PASS READING LIGHTS-LEFT
B	5	C00091	PASS READING LIGHTS-LEFT
B	6	C00092	PASS READING LIGHTS-LEFT
B	7	C00773	PASS READING LIGHTS-LEFT
B	8	C01152	PASS READING LIGHTS-LEFT
B	9	C01153	PASS READING LIGHTS-LEFT

SUBTASK 25-23-61-010-001

- (5) Do this task: Attendant/Lavatory Service Unit Removal, TASK 25-23-13-000-801.

SUBTASK 25-23-61-010-002

- (6) Do these steps to open the Passenger Service Unit (PSU):

- (a) Put an Allen wrench in the PSU release holes.

NOTE: Most of the PSUs have two latches. If the PSU has a small width, then it may only have one latch.

- (b) Push up to release the latch (2 places).
(c) Disconnect the lanyard from the PSU rail.
(d) Let the PSU hang from the opposite end.

SUBTASK 25-23-61-040-001



MAKE SURE THAT THE RELEASE PIN FOR THE CHEMICAL OXYGEN GENERATOR STAYS ENGAGED IN THE FIRING PIN. IF THE CHEMICAL OXYGEN GENERATOR ACCIDENTALLY OPERATES, IT IS MANDATORY THAT YOU REPLACE IT.

- (7) Do this task: Oxygen Generator Deactivation, TASK 35-22-11-000-801.

NOTE: This task isolates the oxygen generator and installs the safety pin. This task must be done prior to removal.

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E. Remove the PSU

SUBTASK 25-23-61-020-001

- (1) On the oxygen generator, do this task to disconnect the breathable oxygen lines: Oxygen System General Maintenance Practices, TASK 35-00-00-910-801.
- (2) On the gasper, disconnect the clamp from the flexible duct.
- (3) Remove the flexible duct from the manifold.
- (4) Disconnect the electrical connector.
- (5) Release the latches located near the rail.
 - (a) Push in latches to release pins from rail.
- (6) Remove the unit from the rail.

———— **END OF TASK** ————

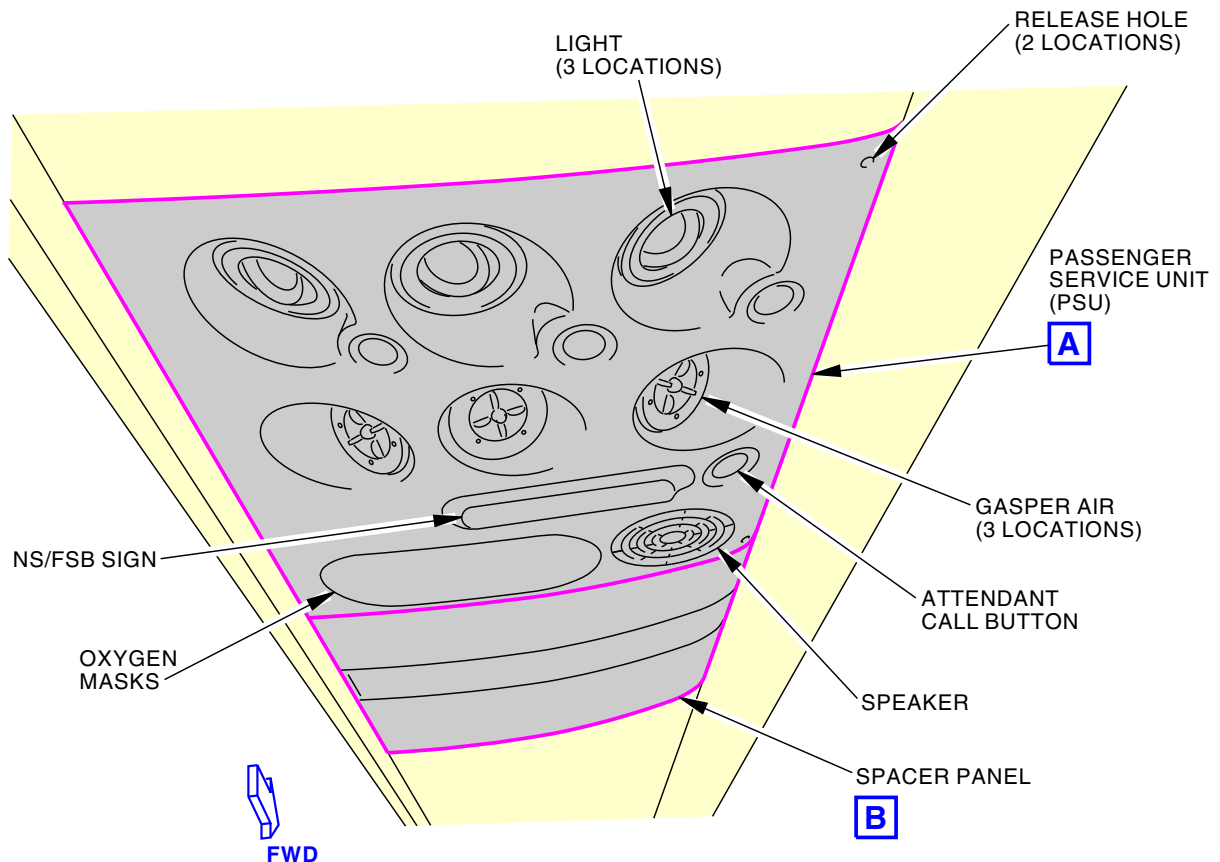
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PASSENGER SERVICE UNIT (PSU)
(LEFT SIDE PASSENGER SERVICE UNIT IS SHOWN,
RIGHT SIDE PASSENGER SERVICE UNIT IS EQUIVALENT)

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Passenger Service Unit (Sky Interior)
Figure 401/25-23-61-990-801 (Sheet 1 of 4)

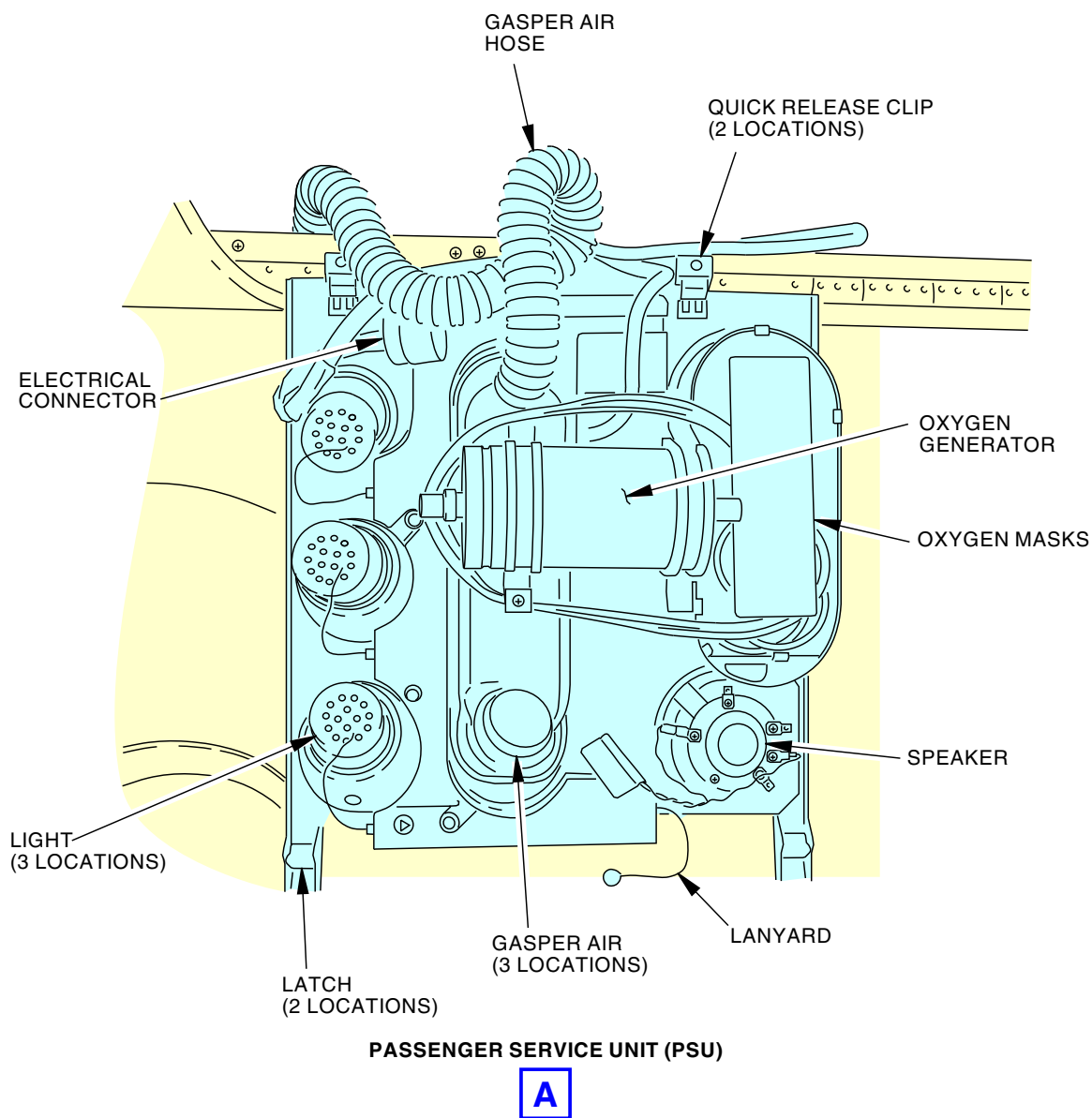
EFFECTIVITY
SIA ALL

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2411889 S00061529380_V1

Passenger Service Unit (Sky Interior)
Figure 401/25-23-61-990-801 (Sheet 2 of 4)

EFFECTIVITY
SIA ALL

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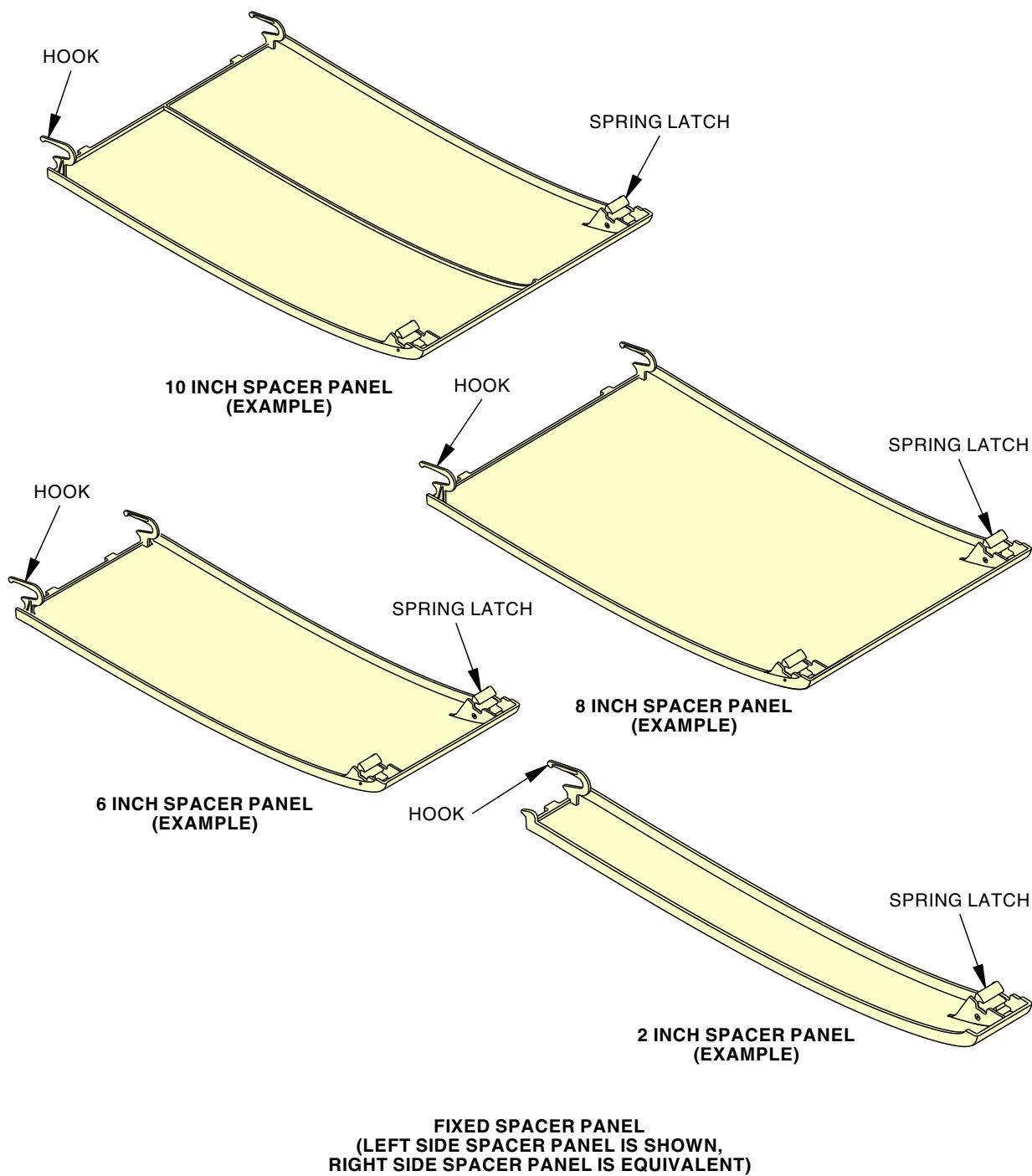
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B

2783881 S0000631381_V1

Passenger Service Unit (Sky Interior)
Figure 401/25-23-61-990-801 (Sheet 3 of 4)

EFFECTIVITY
SIA ALL

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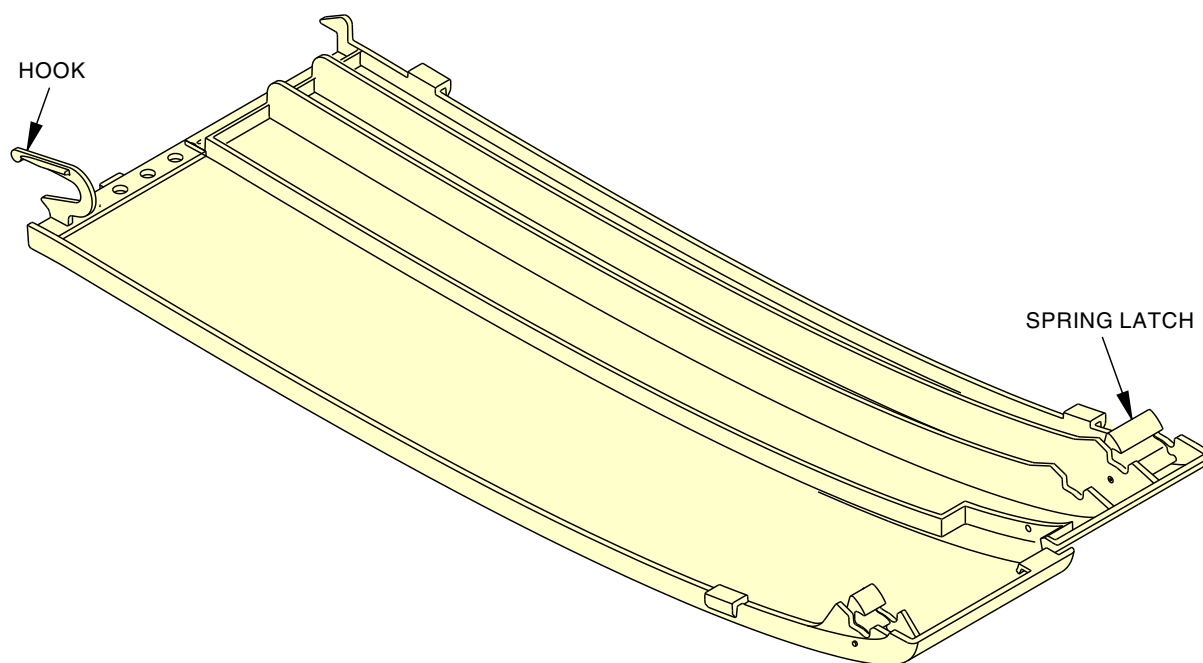
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ADJUSTABLE SPACER PANEL
(3-5 INCH, EXAMPLE)
(LEFT SIDE SPACER PANEL IS SHOWN,
RIGHT SIDE SPACER PANEL IS EQUIVALENT)

B

2783882 S0000631382_V1

Passenger Service Unit (Sky Interior)
Figure 401/25-23-61-990-801 (Sheet 4 of 4)

EFFECTIVITY
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TASK 25-23-61-400-801

3. Passenger Service Unit - Installation

(Figure 401)

A. References

Reference	Title
25-23-13-400-801	Attendant/Lavatory Service Unit Installation (P/B 401)
35-00-00-910-801	Oxygen System General Maintenance Practices (P/B 201)
35-22-00-700-802	Passenger Oxygen System Manual Deploy Operational Test (P/B 501)
35-22-11-400-801	Oxygen Generator Activation (P/B 201)

B. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right
200	Upper Half of Fuselage

C. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

D. Install the PSU

SUBTASK 25-23-61-420-001

- (1) Do this task: Attendant/Lavatory Service Unit Installation, TASK 25-23-13-400-801.

SUBTASK 25-23-61-420-002

- (2) Passenger Service Unit (PSU) Installation
- (a) Put the panel in the correct position.
 - (b) Engage latches to PSU rail.
 - 1) Make sure that pins are engaged. You may have to wiggle the panel slightly to ensure pins are engaged.
 - (c) Let the PSU hang freely from the outboard side
 - (d) Install the flexible air duct to the manifold.
 - (e) Connect the clamp to the flexible duct.
 - (f) Do this task to connect the breathable oxygen lines: Oxygen System General Maintenance Practices, TASK 35-00-00-910-801.
 - (g) Connect the electrical connector.

SUBTASK 25-23-61-440-001

- (3) Do this task: Oxygen Generator Activation, TASK 35-22-11-400-801.

SUBTASK 25-23-61-410-001

- (4) Do these steps to close the PSU:
- (a) Connect the lanyard to the PSU rail.
 - (b) Push the PSU up until you hear the latch or latches engage in the PSU rail.

EFFECTIVITY
SIA ALL

D633AM101-SIA

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WARNING

MAKE SURE THAT THE PSU LATCHES ARE ENGAGED. IF YOU DO NOT CORRECTLY ENGAGE THE LATCHES, THE PSU CAN FALL AND CAUSE INJURY TO PERSONNEL OR DAMAGE TO EQUIPMENT.

- (c) If there is more than one latch, lightly pull down on the edges of the PSU to make sure the latches are engaged.

SUBTASK 25-23-61-860-005



WARNING

WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



WARNING

DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (5) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
B	1	C00087	PASS READING LIGHTS LEFT
B	2	C00088	PASS READING LIGHTS-LEFT
B	3	C00089	PASS READING LIGHTS-LEFT
B	4	C00090	PASS READING LIGHTS-LEFT
B	5	C00091	PASS READING LIGHTS-LEFT
B	6	C00092	PASS READING LIGHTS-LEFT
B	7	C00773	PASS READING LIGHTS-LEFT
B	8	C01152	PASS READING LIGHTS-LEFT
B	9	C01153	PASS READING LIGHTS-LEFT

SUBTASK 25-23-61-860-006



WARNING

WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (6) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
B	1	C00094	PASS READING LIGHTS-RIGHT STA 340-464
B	2	C00095	PASS READING LIGHTS-RIGHT
B	3	C00096	PASS READING LIGHTS-RIGHT
B	4	C00097	PASS READING LIGHTS-RIGHT
B	5	C00098	PASS READING LIGHTS-RIGHT
B	6	C00099	PASS READING LIGHTS-RIGHT
B	7	C00774	PASS READING LIGHTS-RIGHT
B	8	C01437	PASS READING LIGHTS-RIGHT
B	9	C01438	PASS READING LIGHTS-RIGHT

SUBTASK 25-23-61-860-011

- (7) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT
C	8	C04072	PASS CABIN SIGNS FASTEN SEAT BELT R
C	9	C04071	PASS CABIN SIGNS FASTEN SEAT BELT L
C	10	C01408	PASS CABIN SIGNS NO SMOKING RIGHT
C	11	C01407	PASS CABIN SIGNS NO SMOKING LEFT
D	11	C00442	PASSENGER CABIN SIGNS PASS SIGN CONT
F	8	C00785	OXYGEN MAN CONT
F	9	C00784	OXYGEN PASS RIGHT
F	10	C00783	OXYGEN PASS LEFT

E. Put the Airplane in Its Usual Condition

SUBTASK 25-23-61-410-002

- (1) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-23-61-700-001

- (2) Do the Manual Deploy Functional Test: Passenger Oxygen System Manual Deploy Operational Test, TASK 35-22-00-700-802.

————— **END OF TASK** —————

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TASK 25-23-61-000-803

4. Fixed PSU Spacer Panel - Removal

(Figure 401)

A. Location Zones

Zone	Area

200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-23-61-010-004

(1) Lower the adjacent spacer panel or Passenger Service Unit (PSU).

SUBTASK 25-23-61-010-005

(2) Push in the latch extension of the spring latches and pull downward on the panel bases until all the latches disengage from the PSU rail.

SUBTASK 25-23-61-010-006

(3) Lower the inboard edge of the spacer panel while you pull out the outboard hook attachment of the panel from the beam detail air extrusion.

————— **END OF TASK** —————

TASK 25-23-61-400-803

5. Fixed PSU Spacer Panel - Installation

(Figure 401)

A. General

- (1) A fixed spacer panel can be of the widths that follow:
- (a) 2 inch.
 - (b) 6 inch.
 - (c) 8 inch.
 - (d) 10 inch.

B. Location Zones

Zone	Area

200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-23-61-420-004

(1) Select and install the spacer panel of the necessary width to close any gap with adjacent Passenger Service Unit (PSU) panels.

SUBTASK 25-23-61-420-005

(2) Put the outboard hook attachments of the spacer panels into the beam detail air extrusion holes.

SUBTASK 25-23-61-420-006

(3) Push the inboard edge of the spacer panel upward until the spring latches engage the PSU rail.

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SUBTASK 25-23-61-420-007

- (4) Apply upward pressure to the panel base under the spring latches to fully engage the latches.

NOTE: The latches will make a "click" sound when fully engaged.

————— END OF TASK —————

TASK 25-23-61-000-804

6. Adjustable PSU Spacer Panel - Removal

(Figure 401)

A. General

- (1) A termination panel is one which is against the stowage bin end cap.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-23-61-010-007

- (1) Lower the adjacent spacer panel or Passenger Service Unit (PSU).

SUBTASK 25-23-61-010-008

- (2) Push in the latch extension of the spring latches and pull downward on the panel bases until all the latches disengage from the PSU rail.

SUBTASK 25-23-61-020-002

- (3) Lower the inboard edge of the spacer panel while you pull out the outboard hook attachment of the panel from the beam detail extrusion.

————— END OF TASK —————

TASK 25-23-61-400-804

7. Adjustable PSU Spacer Panel - Installation

(Figure 401)

A. General

- (1) The adjustable spacer panels can be adjusted between 3 inch and 5 inch.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-23-61-420-008

- (1) Adjust the panel to the necessary width.

SUBTASK 25-23-61-420-009

- (2) Put the outboard hook attachments of the spacer panels into the beam detail air extrusion holes.

SUBTASK 25-23-61-420-010

- (3) Push the inboard edge of the spacer panel upward until the spring latches engage the Passenger Service Unit (PSU) rail.

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SUBTASK 25-23-61-420-011

- (4) Apply upward pressure to the panel base under the spring latches to fully engage the latches.

NOTE: The latches will make a "click" sound when fully engaged.

————— END OF TASK —————

TASK 25-23-61-000-802

8. Passenger Cabin Temperature Sensor Panel - Removal

(Figure 402)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage
232	Forward Passenger Compartment - Forward Entry Door to STA 663.75 - Right
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

B. Prepare for the Removal

SUBTASK 25-23-61-860-008

- (1) Open these circuit breakers and install safety tags:

F/O Electrical System Panel, P6-4

Row	Col	Number	Name
A	3	C01170	A/C ZONE TEMP VALVE/FAN CONT AFT PASS
A	9	C01158	AIR CONDITIONING PACK CONTROL LEFT DC
A	11	C01159	AIR CONDITIONING PACK CONTROL LEFT AC
B	2	C01167	A/C ZONE TEMP VALVE/FAN CONT FWD PASS
B	3	C01163	A/C ZONE TEMP VALVE/FAN CONT FLT DECK
B	9	C01161	AIR CONDITIONING PACK CONT RIGHT DC
B	11	C01162	AIR CONDITIONING PACK CONT RIGHT AC

C. Passenger Cabin Temperature Sensor Panel Removal

SUBTASK 25-23-61-010-003

- (1) Lower the cabin temperature sensor panel [3].
- (a) Put a small allen wrench or other applicable tool in the access holes to release the latches.
- (b) Partially lower the cabin temperature sensor panel [3] and disconnect the lanyard [4].
- (c) Move the panel to the fully lowered position.
- (2) Disconnect the electrical connectors [2].
- (3) Release the clamp [5] located near the rail.
- (a) Push in on the clamp [5] to release pin from the rail.
- (4) Remove the cabin temperature sensor panel [3] from the rail.

————— END OF TASK —————

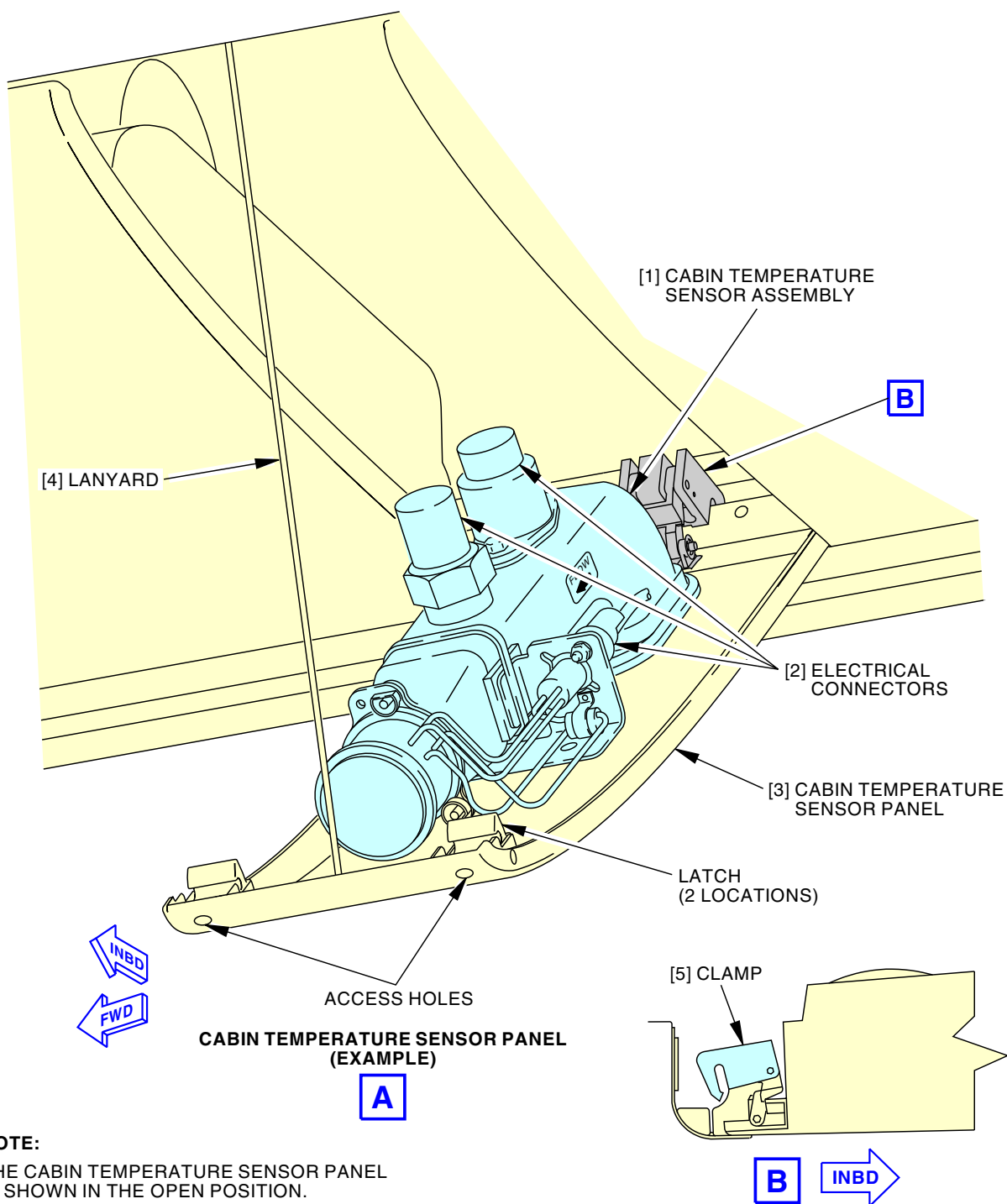
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Passenger Cabin Temperature Sensor Panel - Removal
Figure 402/25-23-61-990-802

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TASK 25-23-61-400-802

9. Passenger Cabin Temperature Sensor Panel - Installation

(Figure 402)

A. References

Reference	Title
21-00-00-730-801	Air Conditioning, System Test, Air Conditioning IBIT (P/B 501)

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
5	Clamp	Not Specified	

C. Location Zones

Zone	Area
200	Upper Half of Fuselage
232	Forward Passenger Compartment - Forward Entry Door to STA 663.75 - Right
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

D. Passenger Cabin Temperature Sensor Panel Installation

SUBTASK 25-23-61-860-009

- (1) Make sure that these circuit breakers are open and have safety tags:

F/O Electrical System Panel, P6-4

Row	Col	Number	Name
A	3	C01170	A/C ZONE TEMP VALVE/FAN CONT AFT PASS
A	9	C01158	AIR CONDITIONING PACK CONTROL LEFT DC
A	11	C01159	AIR CONDITIONING PACK CONTROL LEFT AC
B	2	C01167	A/C ZONE TEMP VALVE/FAN CONT FWD PASS
B	3	C01163	A/C ZONE TEMP VALVE/FAN CONT FLT DECK
B	9	C01161	AIR CONDITIONING PACK CONT RIGHT DC
B	11	C01162	AIR CONDITIONING PACK CONT RIGHT AC

SUBTASK 25-23-61-420-003

- (2) Find the location for the cabin temperature sensor panel [3].
- (3) Put the panel in the correct position.
- (4) Engage the clamp [5] on to the Passenger Service Unit (PSU) rail.
- (a) Make sure that the pins are engaged. You may have to wiggle the panel slightly to make sure that the pin is engaged.
- (5) Connect the electrical connectors [2].
- (6) Connect the lanyard [4] to the PSU rail.
- (7) Push the cabin temperature sensor panel [3] up until you hear the latches engage it the PSU rail.



MAKE SURE THAT THE PSU LATCHES ARE ENGAGED. IF YOU DO NOT CORRECTLY ENGAGE THE LATCHES, THE PSU CAN FALL AND CAUSE INJURY TO PERSONNEL OR DAMAGE TO EQUIPMENT.

- (8) If there is more than one latch, lightly pull down on the edges of the cabin temperature sensor panel [3] to make sure the latches are engaged.

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SUBTASK 25-23-61-860-007

- (9) Remove the safety tags and close these circuit breakers:

F/O Electrical System Panel, P6-4

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	3	C01170	A/C ZONE TEMP VALVE/FAN CONT AFT PASS
A	9	C01158	AIR CONDITIONING PACK CONTROL LEFT DC
A	11	C01159	AIR CONDITIONING PACK CONTROL LEFT AC
B	2	C01167	A/C ZONE TEMP VALVE/FAN CONT FWD PASS
B	3	C01163	A/C ZONE TEMP VALVE/FAN CONT FLT DECK
B	9	C01161	AIR CONDITIONING PACK CONT RIGHT DC
B	11	C01162	AIR CONDITIONING PACK CONT RIGHT AC

E. Cabin Temperature Sensor Test

SUBTASK 25-23-61-720-001

- (1) To do a test of the sensor that was replaced, do the steps that follow:
- (a) Do the IBIT test on the right Integrated Air System Controller, M2957 if you replaced the sensor for one of these zones:
 - 1) The flight compartment zone.
 - 2) The FORWARD passenger compartment zone.
 - (b) Do the IBIT test on the left Integrated Air System Controller, M2939 if you replaced the sensor for the AFT passenger compartment zone.
 - (c) To do the IBIT test, do this task: Air Conditioning, System Test, Air Conditioning IBIT, TASK 21-00-00-730-801.

———— **END OF TASK** ————

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CEILING MOUNTED CURTAIN AND TRACK - REMOVAL/INSTALLATION

1. General

- A. This procedure contains these tasks:
- (1) Ceiling Mounted Curtain and Track Removal,
 - (2) Ceiling Mounted Curtain and Track Installation.
 - (3) Crew Rest Area Removal.
 - (4) Crew Rest Area Installation.

TASK 25-24-05-000-801

2. Ceiling Mounted Curtain and Track Removal

(Figure 401)

A. **General**

- (1) This task is for the removal of the ceiling mounted curtain and tracks in the passenger compartment.

B. **References**

Reference	Title
25-21-71-000-805	Close Out Ceiling Panel Removal (P/B 401)

C. **Location Zones**

Zone	Area
220	Subzone - Passenger Compartment - Body Station 259.50 to 360.00
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

D. **Prepare for the Removal**

SUBTASK 25-24-05-010-001

- (1) If it is necessary, do this task: Close Out Ceiling Panel Removal, TASK 25-21-71-000-805.

E. **Ceiling Mounted Curtain and Track Removal**

SUBTASK 25-24-05-020-004

- (1) Remove the curtain and track from the ceiling:
 - (a) If applicable, remove the cap [7] and the magnetic cap [6] from the ends of the curtain track [1].
 - (b) Remove the curtain [2] from the curtain track [1].
 - (c) If applicable, remove the screw [3] from the curtain track [1].
 - (d) Remove the screws [4] from the curtain track [1].
 - (e) Remove the curtain track [1].

————— **END OF TASK** —————

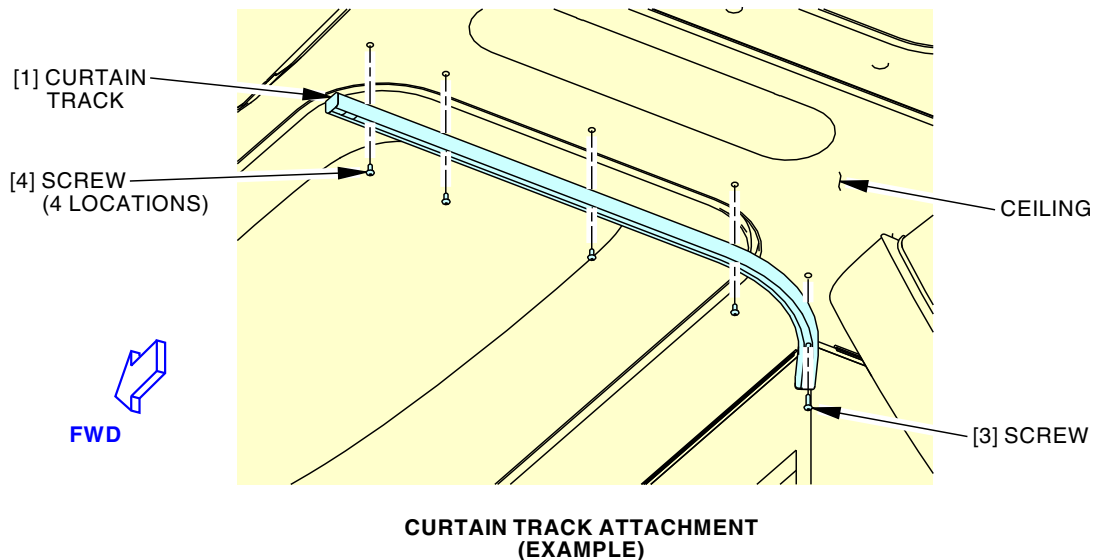
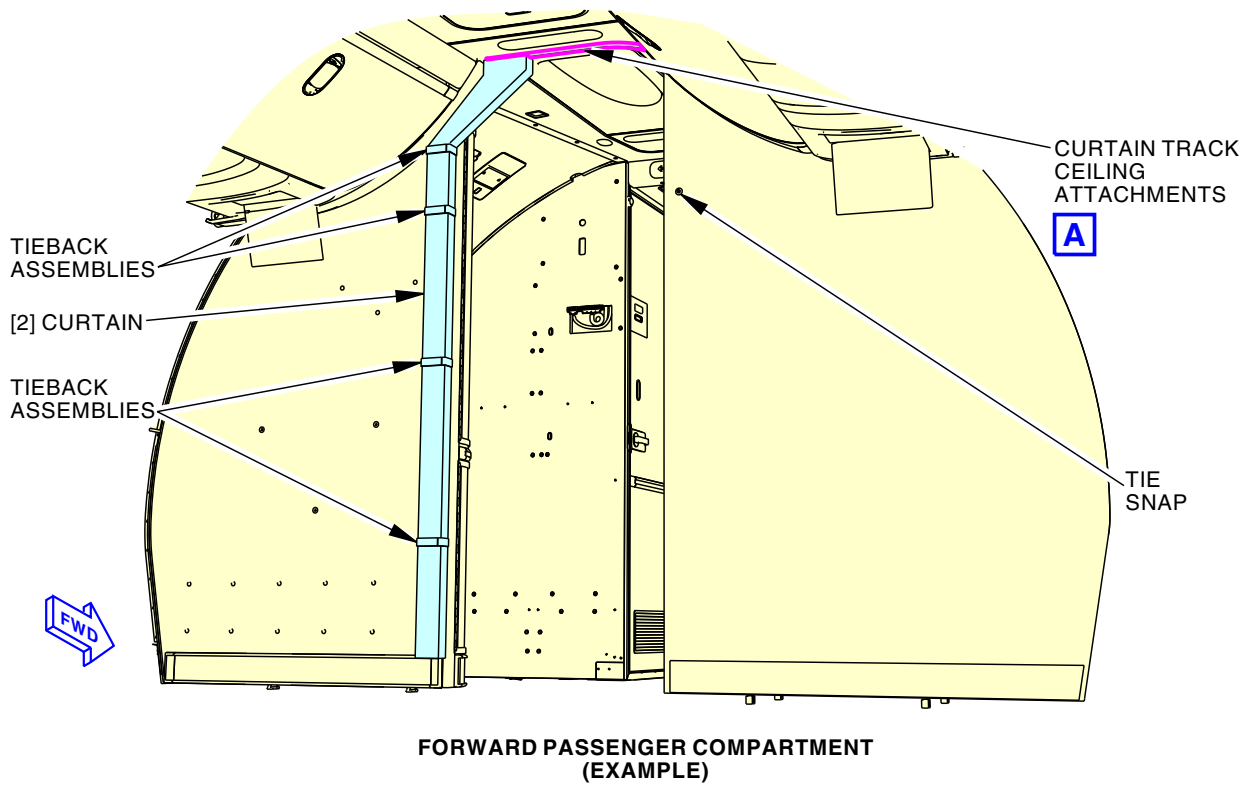
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Ceiling Mounted Curtain and Track Installation
Figure 401/25-24-05-990-802 (Sheet 1 of 2)

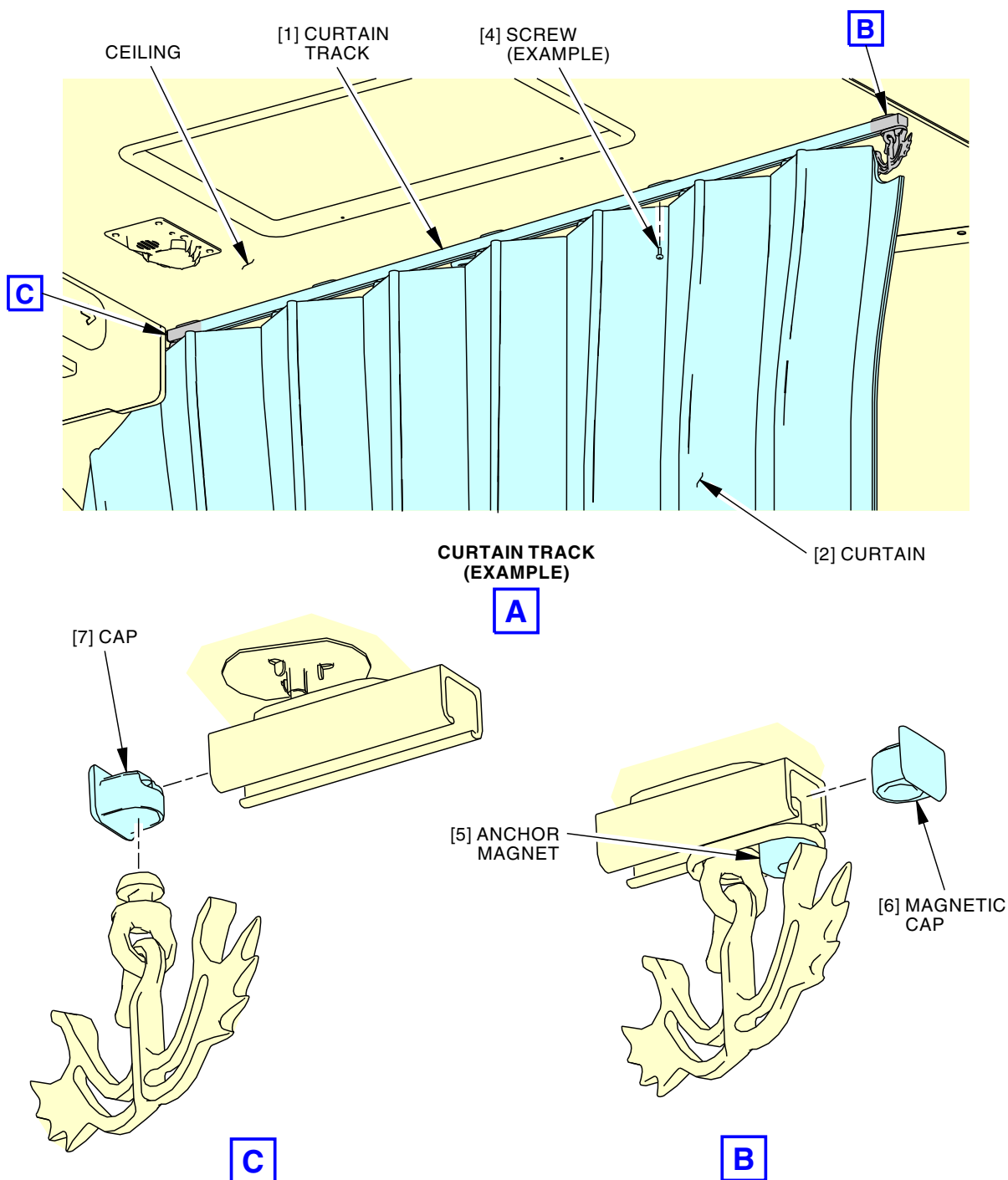
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Ceiling Mounted Curtain and Track Installation
Figure 401/25-24-05-990-802 (Sheet 2 of 2)

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TASK 25-24-05-400-801

3. Ceiling Mounted Curtain and Track Installation

(Figure 401)

A. General

- (1) This task is for the installation of the ceiling mounted curtain and tracks in the passenger compartment.

B. References

Reference	Title
25-21-71-400-805	Close Out Ceiling Panel Installation (P/B 401)

C. Location Zones

Zone	Area
220	Subzone - Passenger Compartment - Body Station 259.50 to 360.00
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

D. Ceiling Mounted Curtain and Track Installation

SUBTASK 25-24-05-020-003

- (1) Install the curtain and track to the ceiling:
- (a) Install the curtain track [1] to the ceiling with the screws [4].
 - (b) If applicable, install the screw [3].
 - (c) Install the curtain [2] on the curtain track [1].
 - (d) If applicable, attach the cap [7] and the magnetic cap [6] to the ends of the curtain track [1].
 - 1) Make sure that the anchor magnet [5] is at the end of the magnetic cap [6].

E. Put the Airplane Back to Its Usual Condition

SUBTASK 25-24-05-410-001

- (1) If it is removed, do this task: Close Out Ceiling Panel Installation, TASK 25-21-71-400-805.

————— **END OF TASK** —————

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CLASS DIVIDER HEADER - REMOVAL/INSTALLATION

1. **General**

- A. This procedure has these tasks:
- (1) Fixed Class Divider Header Removal
 - (2) Fixed Class Divider Header Installation.
 - (3) Fixed Class Divider Removal.
 - (4) Fixed Class Divider Installation.
- B. The fixed class divider has three components: a header assembly, a left divider assembly and right divider assembly. Remove and install each component independently.

TASK 25-24-10-000-801

2. **Fixed Class Divider Header - Removal**

A. General

- (1) This task includes the steps to remove the fixed class divider header.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Prepare for the Removal

SUBTASK 25-24-10-010-001

- (1) To remove the curtain [3] from the header assembly [1], do these steps if it is necessary:
 - (a) Loosen the curtain tie backs [2].
 - (b) Turn the release lever [11] on the end of the header assembly [1] to the open position.
NOTE: A red mark will show when the release lever is in the correct open position.
 - (c) Move the curtain sliders [12] off of the header assembly [1].
 - (d) Remove the curtain [3].

SUBTASK 25-24-10-020-022

- (2) If the header assembly [1] has the quick release pin [4] at both ends, do these steps:
 - (a) Remove both the quick release pins [4] from the header adapter fitting [5].
 - (b) Carefully remove the header assembly [1].

SUBTASK 25-24-10-020-001

- (3) If there is a shroud assembly [6], do these steps to remove the shroud assembly [6]:
 - (a) Remove the 6 screws [7] that attach the shroud to the top of the lavatory wall.
 - (b) Carefully remove the shroud assembly [6].

SUBTASK 25-24-10-020-002



USE CARE WHEN HANDLING UNIT INSIDE AIRCRAFT TO PREVENT
DAMAGE TO CEILING, SIDEWALL, OR INTERIOR EQUIPMENT.

- (4) Remove the quick release pin [4] from the header adapter fitting [5].
 - (a) Carefully lower the loose end of the header down.

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SUBTASK 25-24-10-020-003

- (5) To remove the header assembly [1] from the header adapter fitting [10], do these steps:

NOTE: If necessary, use two persons to complete this step.

- (a) Open the stowage bin door above the header assembly for access to the header adapter fitting [10].
- (b) Remove the cap nut [8] and bolt [9] that connects the header assembly [1] to the header adapter fitting [10].
- (c) Carefully remove the header assembly [1].

———— **END OF TASK** ————

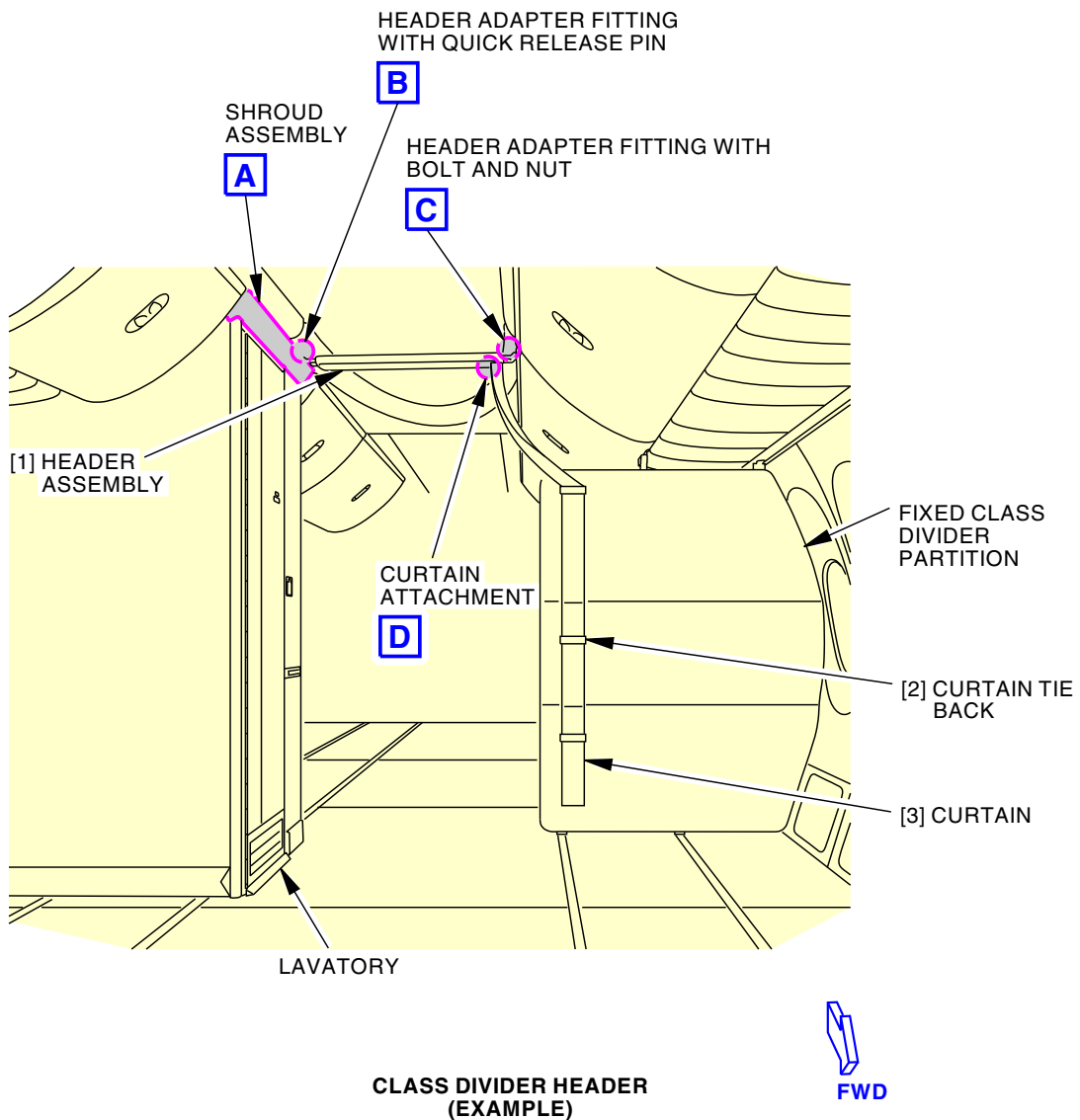
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Fixed Class Divider Header Installation
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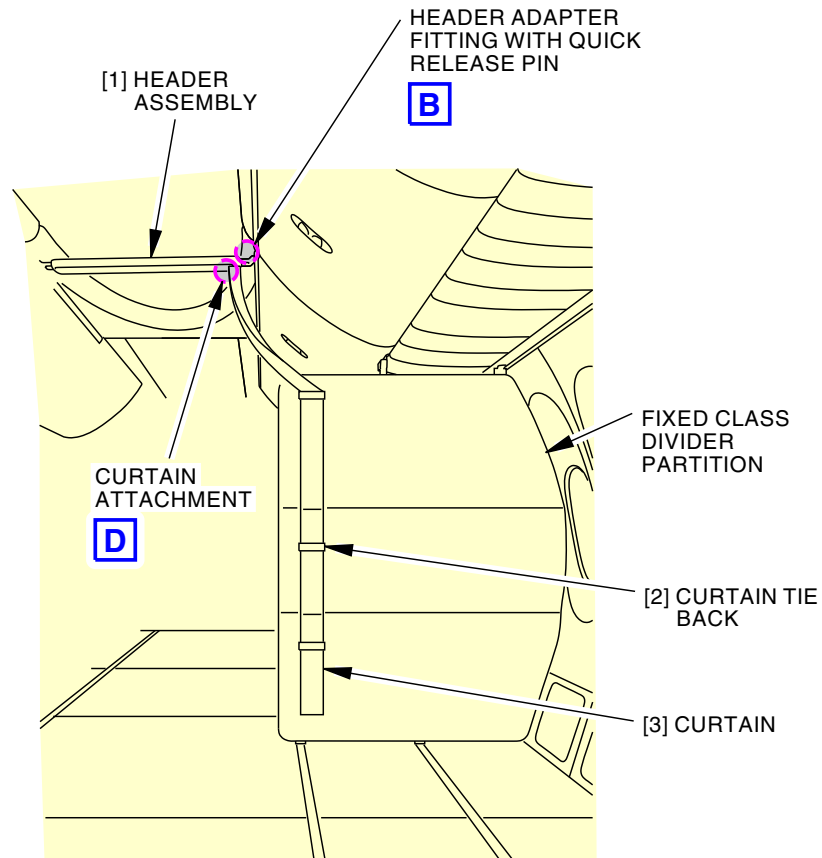
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BOEING
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CLASS DIVIDER HEADER
(LEFT SIDE IS SHOWN, RIGHT SIDE IS OPPOSITE)
(EXAMPLE)

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Fixed Class Divider Header Installation
Figure 401/25-24-10-990-801 (Sheet 2 of 5)

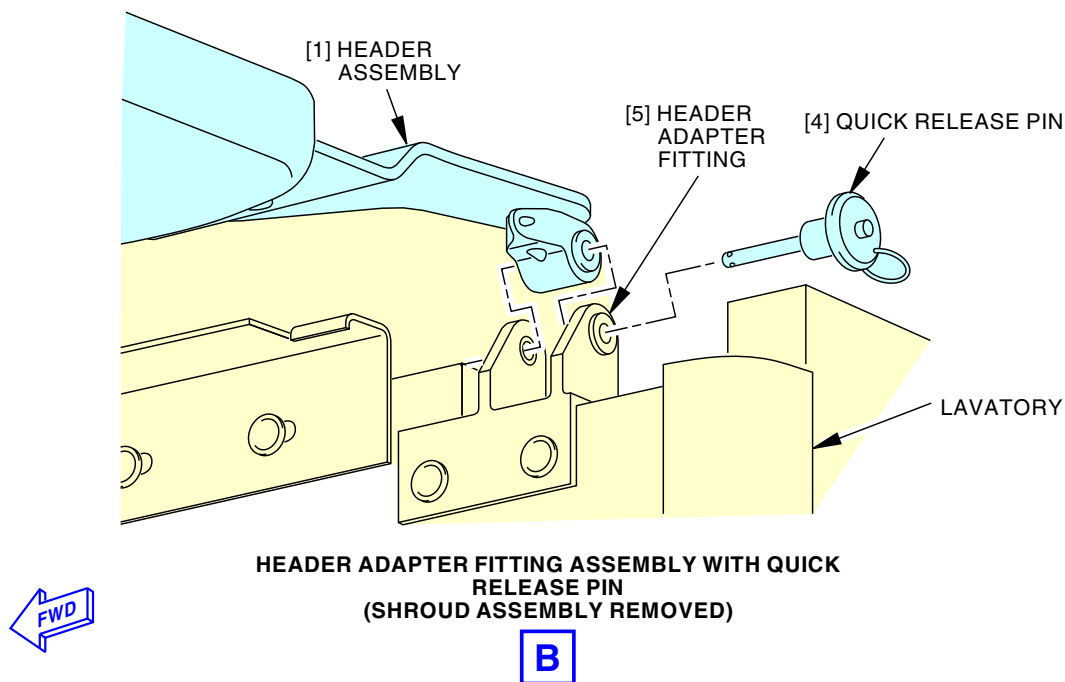
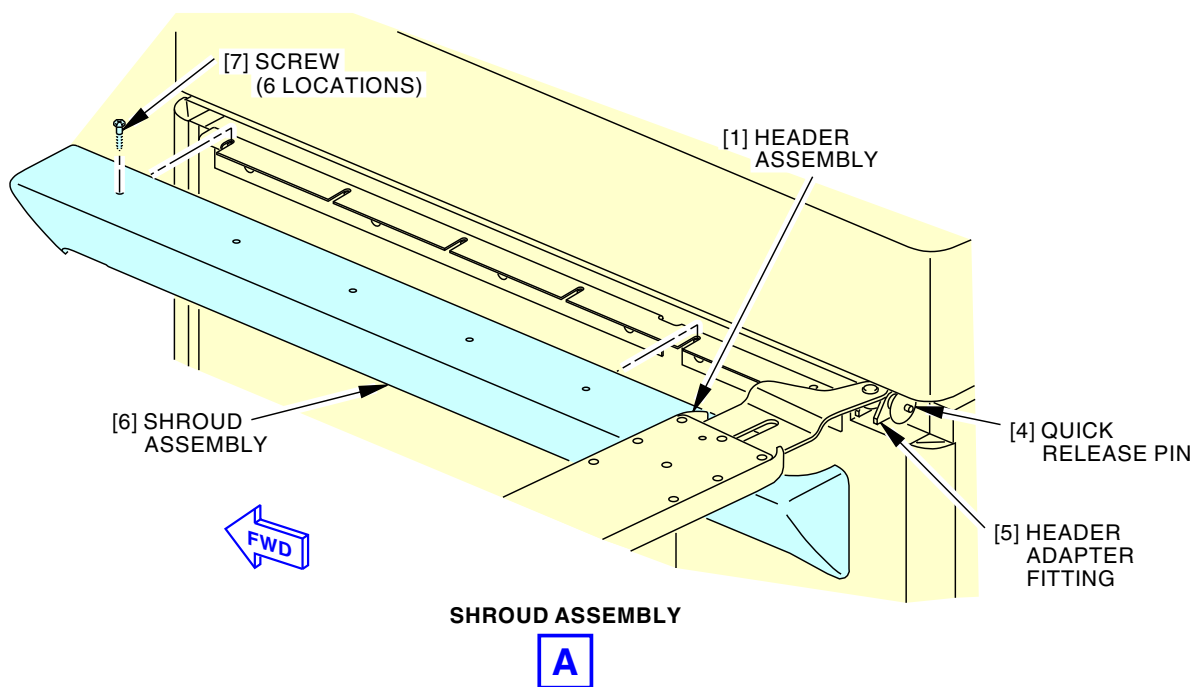
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Fixed Class Divider Header Installation
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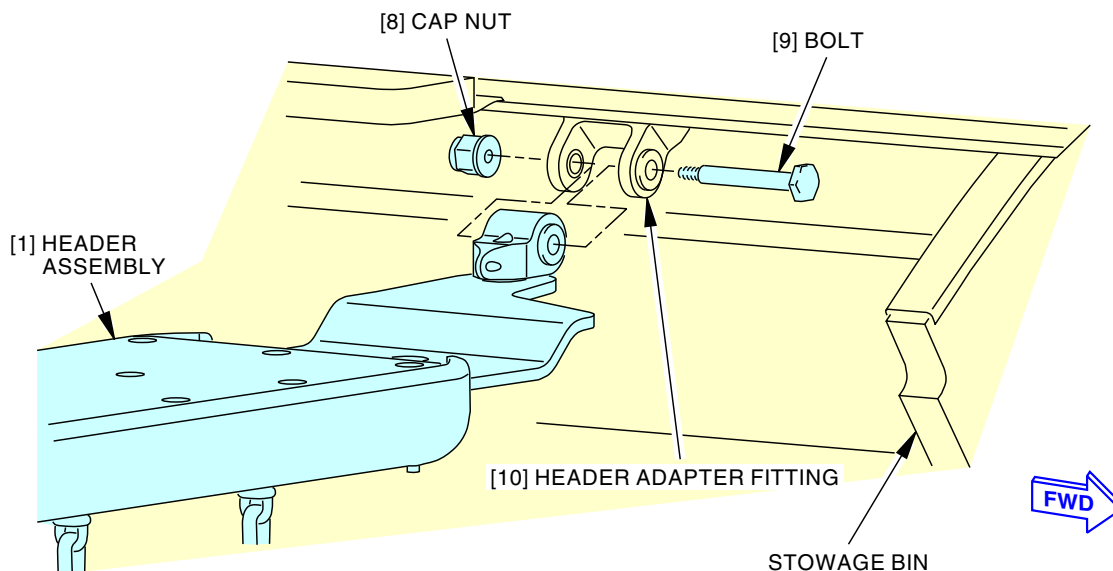
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HEADER ADAPTER FITTING WITH BOLT AND NUT
(STOWAGE BIN IN OPEN POSITION)
(BULLNOSE NOT SHOWN)

C

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Fixed Class Divider Header Installation
Figure 401/25-24-10-990-801 (Sheet 4 of 5)

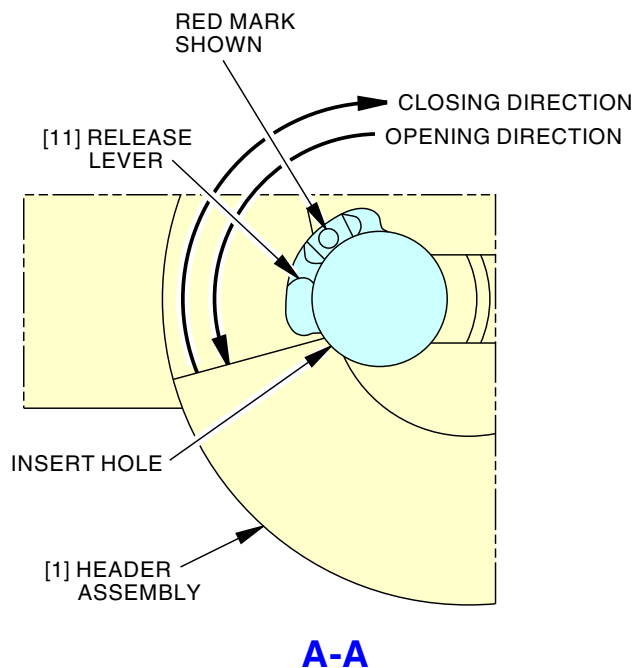
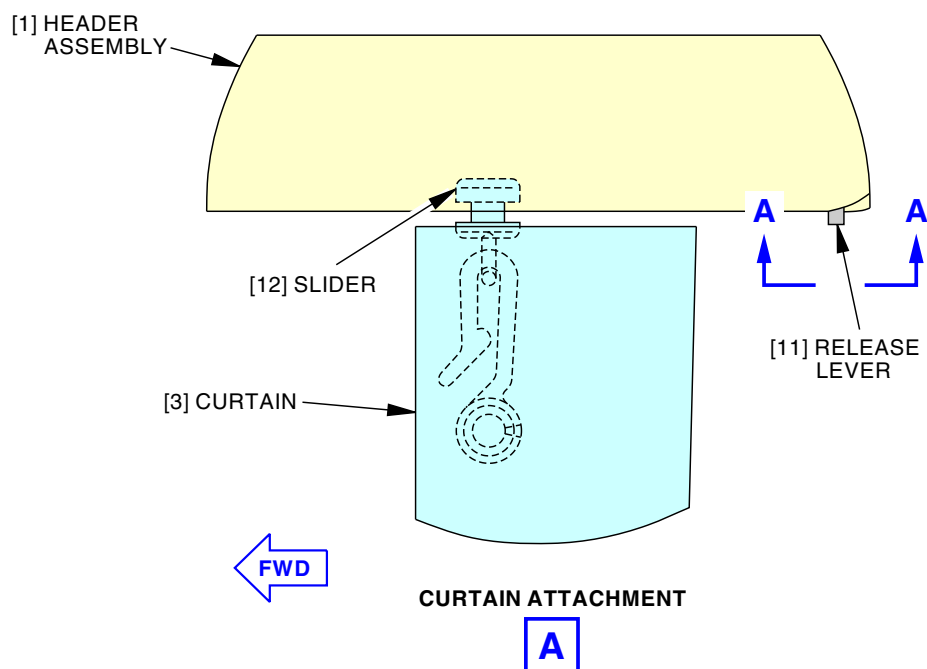
EFFECTIVITY
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2411894 S00061529394_V2

Fixed Class Divider Header Installation
Figure 401/25-24-10-990-801 (Sheet 5 of 5)

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TASK 25-24-10-400-801

3. Fixed Class Divider Header - Installation

A. General

- (1) This task includes the steps to install the fixed class divider header.

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Header assembly	25-24-10-03-145	SIA 001-014

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Fixed Class Divider Header Installation

SUBTASK 25-24-10-420-024

- (1) If the header assembly [1] has quick release pins [4] at both ends, do these steps to install the header assembly [1]:
- (a) Position the header assembly [1] to align the hole with the header adapter fittings [5] holes.
 - (b) Push the quick release pins [4] through the header assembly [1] holes and header adapter fitting [5] holes to lock it in place.

SUBTASK 25-24-10-400-001

- (2) If the header assembly [1] has a quick release pin [4] at one end and a bolt [9] and cap nut [8] at the other end, do these steps:

NOTE: It is permitted for the header assembly to cover the emergency light on the horseshoe cove panel.

- (a) Position the header assembly [1] to align the hole with the header adapter fitting [5] holes.
- (b) Push the quick release pin [4] through the header assembly [1] holes and header adapter fitting [5] holes to lock it in place.

SUBTASK 25-24-10-410-001



USE CARE WHEN HANDLING UNIT INSIDE AIRCRAFT TO PREVENT DAMAGE TO CEILING, SIDEWALL, OR INTERIOR EQUIPMENT.

- (3) Open the stowage bin door above the header assembly for access to the header adapter fitting [10].

NOTE: If necessary, use two persons to complete this step.

SUBTASK 25-24-10-420-001

- (4) Do these steps to install the header assembly [1]:
- (a) Carefully lift the loose end of the header up.
 - (b) Align the header assembly [1] to the header adapter fitting [10].
 - (c) Put the bolt [9] through the header adapter fitting [10] and header assembly [1].
 - 1) Put the cap nut [8] on the end of the bolt [9] and tighten to 15 in-lb (2 N·m).
 - 2) Tighten the bolt [9] to 35 in-lb (4 N·m).

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SUBTASK 25-24-10-420-002

- (5) Do these steps to install the shroud assembly [6]:
 - (a) Put the shroud assembly [6] in position and align the attachment holes.
 - (b) Install the 6 screws [7] to attach the shroud assembly [6] to the lavatory.

SUBTASK 25-24-10-420-003

- (6) If necessary, do these steps to install the curtain [3] to the header assembly [1]:
 - (a) Turn the release lever [11] to the open position on the header assembly [1].

NOTE: A red mark will show when the release lever is open.
 - (b) Move the sliders [12] on the header assembly [1].
 - (c) Turn the release lever [11] to the closed position on the header assembly [1].

NOTE: A red mark will not show when the release lever is closed.

————— **END OF TASK** —————

TASK 25-24-10-000-804

4. Fixed Class Divider Removal

(Figure 402)

A. General

- (1) This task provides the instructions to remove the fixed class divider.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Prepare for the Removal

SUBTASK 25-24-10-020-010

- (1) Disconnect the electrical connectors, if applicable.

SUBTASK 25-24-10-020-021

- (2) If necessary, remove the equipment or furnishings that are attached to the class divider [1].

D. Fixed Class Divider Removal

SUBTASK 25-24-10-020-011

- (1) If applicable, do these steps to remove the outboard top attachment of the class divider [1]:
 - (a) Loosen the screw [15] on the bottom of the class divider attachment assembly [13].
 - (b) Remove the bolt [16] and washer [17] on the side of the class divider attachment assembly [13].
 - (c) Turn the class divider attachment assembly [13] and the extrusion attachment assembly [14] to remove them.

SUBTASK 25-24-10-020-012

- (2) If applicable, do these steps to remove the top attachment of the class divider [1]:
 - (a) Remove the screws [4] that attach the rail fitting [3] to the adapter wedges [2] and class divider [1].
 - (b) Remove the adapter wedges [2].
 - (c) Put the class divider [1] against the seat.
 - (d) Lower the PSU to get access to the PSU rail [7].

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- (e) Remove the rail fitting [3]:
 - 1) Remove the screws [6] and the washers [5] that connect the rail fitting [3] and the PSU rail [7].

SUBTASK 25-24-10-020-013

- (3) If applicable, do these steps to disconnect the tie rod:
 - (a) If it is necessary, remove access covers to get access to the tie rod.
 - (b) Remove the lockpin [12], the washers [11], and the pin [10].

SUBTASK 25-24-10-020-014

- (4) Do these steps to remove the bottom attachments of the class divider [1]:
 - (a) Loosen the anti-rattle setscrew [8].
 - (b) Disengage the shear plunger from the seat track [9].
 - (c) Move the fitting aft or forward until it moves freely out of the track.

———— **END OF TASK** ————

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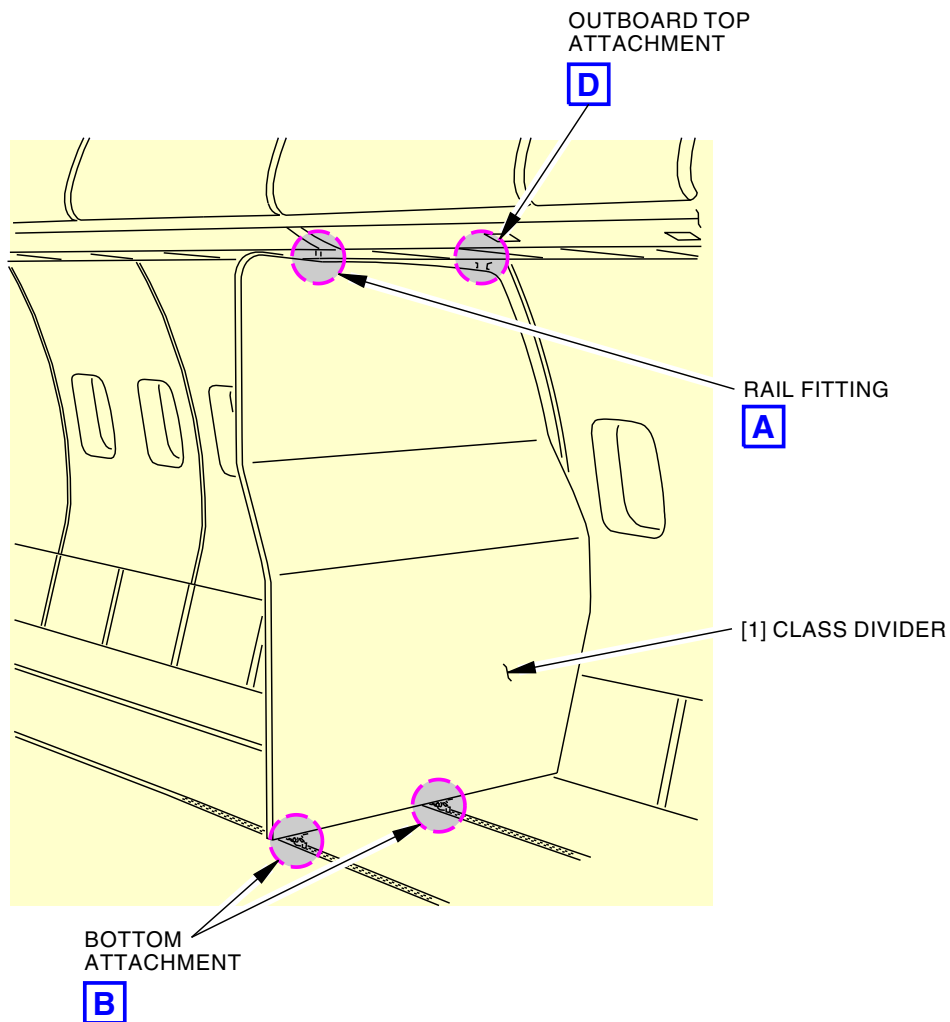
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CLASS DIVIDER
(LEFT SIDE IS SHOWN, RIGHT SIDE IS OPPOSITE)
(EXAMPLE)

2608365 S0000627010_V1

Fixed Class Divider Installation
Figure 402/25-24-10-990-805 (Sheet 1 of 5)

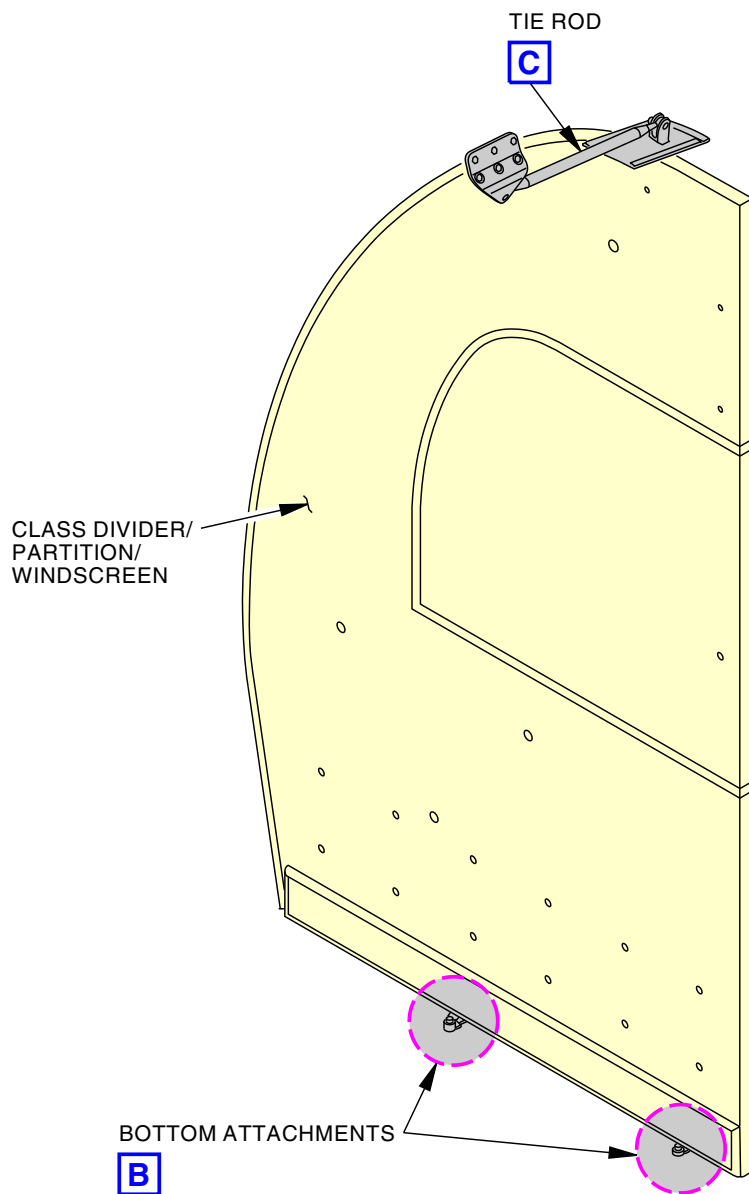
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**CLASS DIVIDER/PARTITION/WINDSCREEN
(EXAMPLE)**

2608367 S0000627019_V1

**Fixed Class Divider Installation
Figure 402/25-24-10-990-805 (Sheet 2 of 5)**

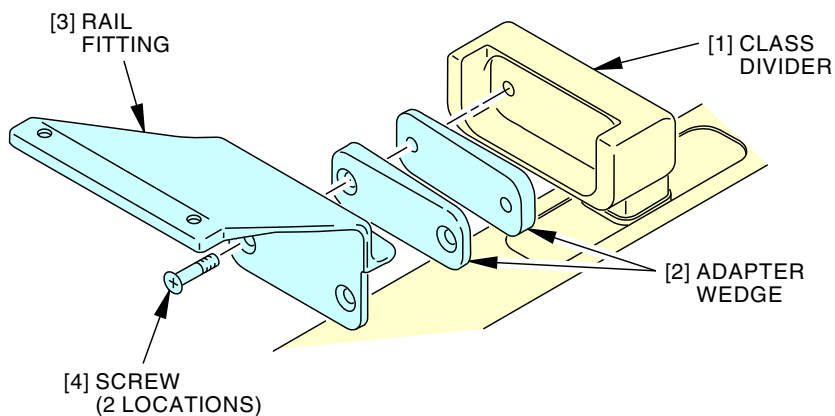
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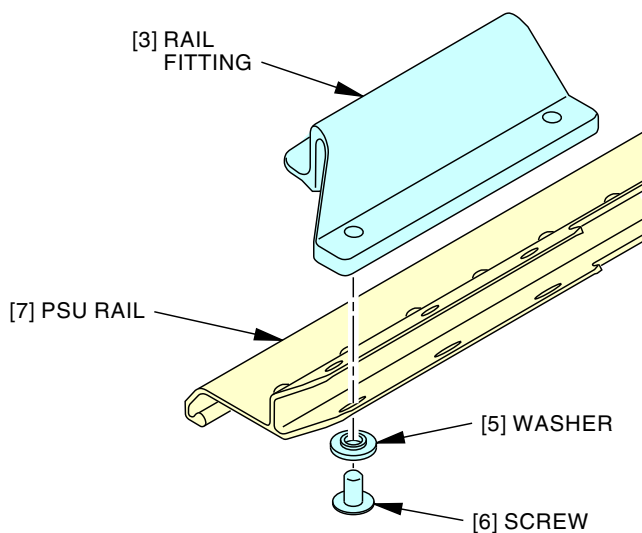
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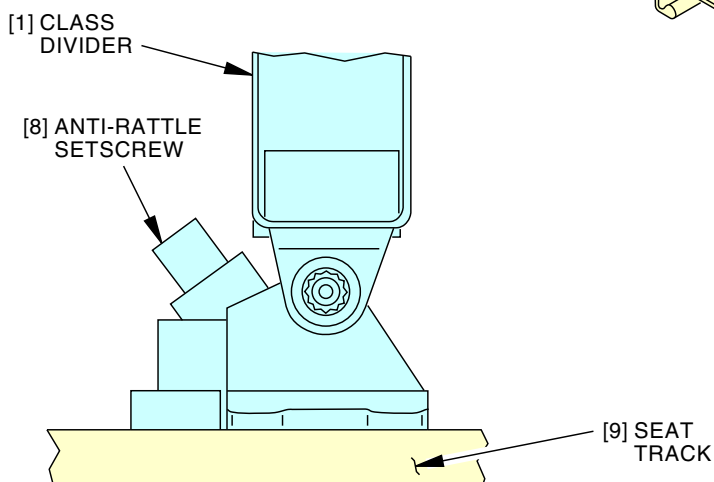
RAIL FITTING
(RAIL FITTING TO CLASS DIVIDER)

A



RAIL FITTING
(RAIL FITTING TO PSU RAIL)

A



BOTTOM ATTACHMENT

B

2608368 S0000627020_V1

Fixed Class Divider Installation
Figure 402/25-24-10-990-805 (Sheet 3 of 5)

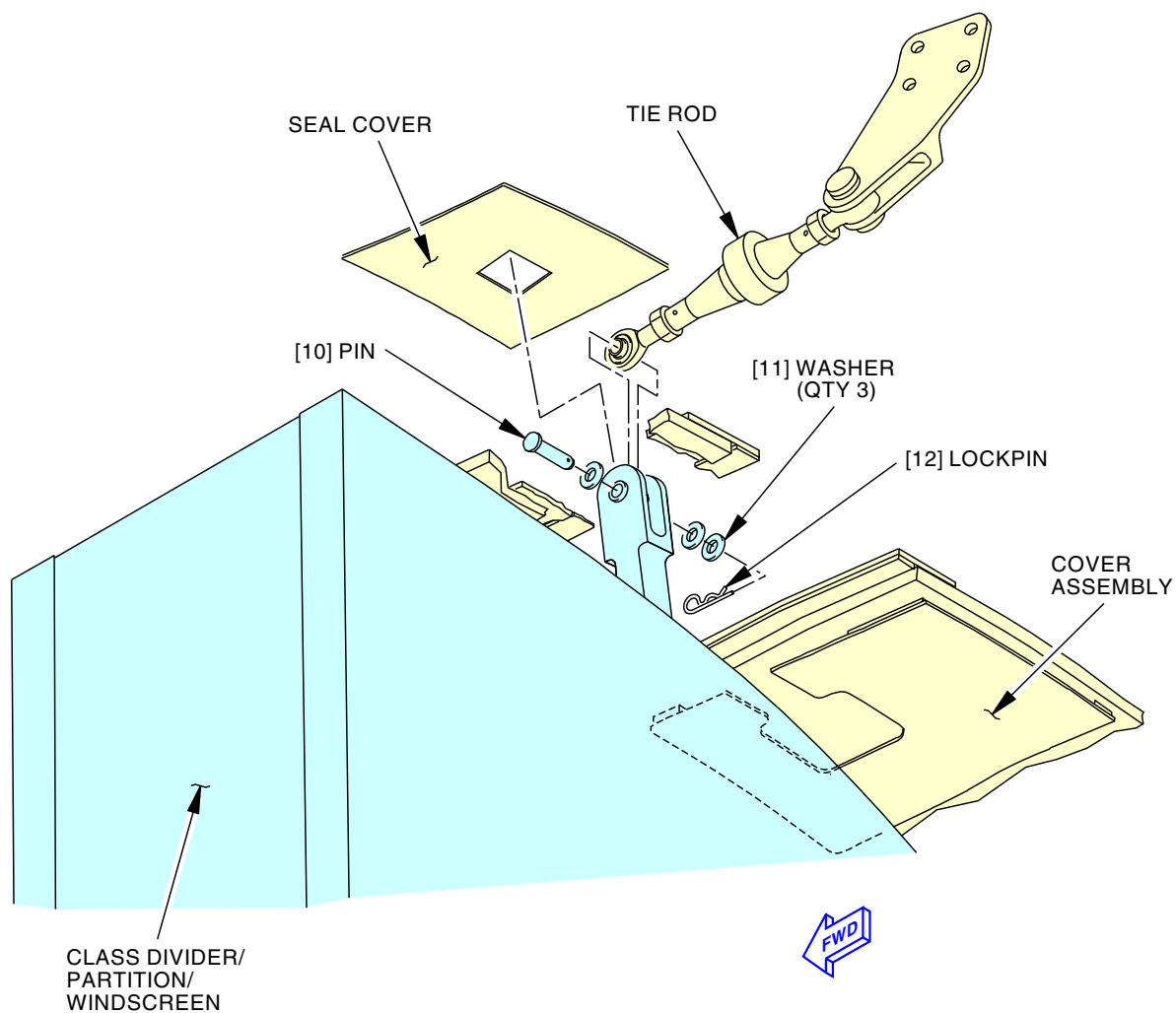
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WINDSCREEN TOP ATTACHMENT
(EXAMPLE)

C

2608375 S0000627021_V1

Fixed Class Divider Installation
Figure 402/25-24-10-990-805 (Sheet 4 of 5)

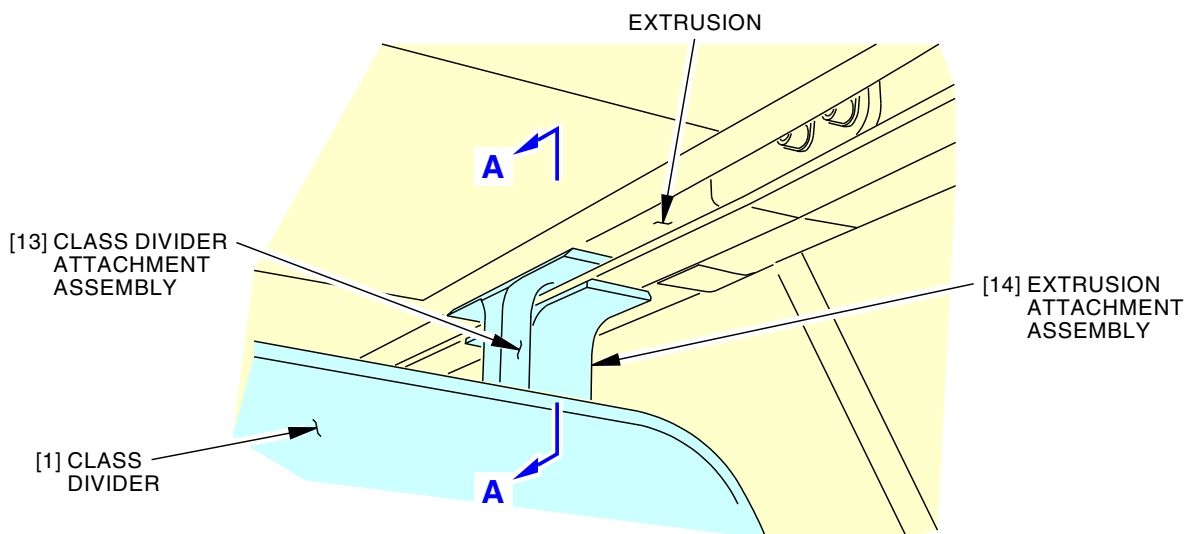
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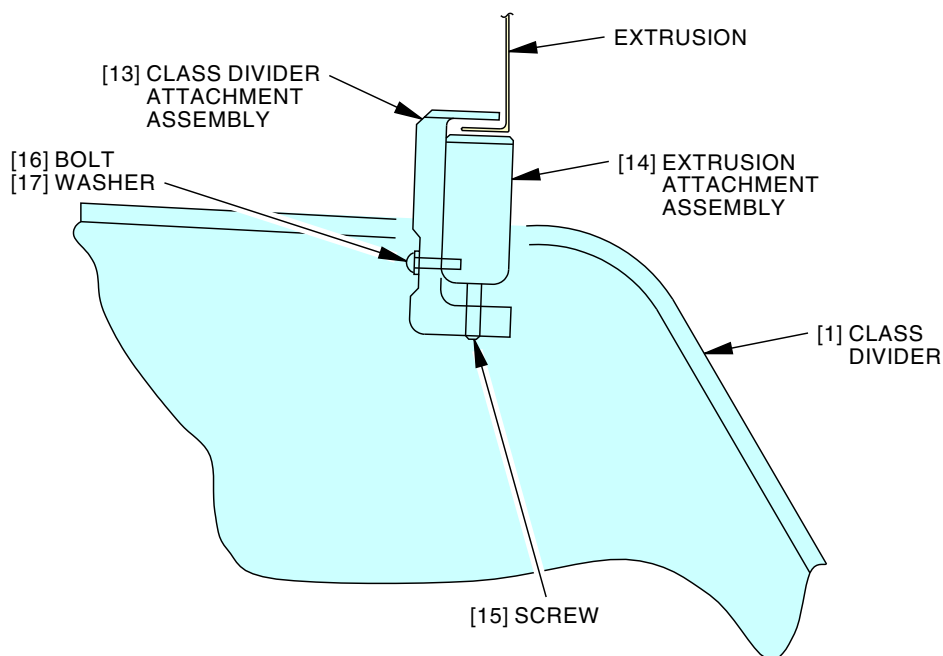
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OUTBOARD TOP ATTACHMENT

D



A-A

2608376 S0000627022_V1

Fixed Class Divider Installation
Figure 402/25-24-10-990-805 (Sheet 5 of 5)

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TASK 25-24-10-400-804

5. Fixed Class Divider Installation

(Figure 402)

A. General

- (1) This task provides the instructions to install the fixed class divider.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Fixed Class Divider Installation

SUBTASK 25-24-10-420-010

- (1) If applicable, do these steps to install the outboard top attachment:
 - (a) Put the class divider attachment assembly [13] in its position on the extrusion.
 - (b) Put the extrusion attachment assembly [14] in its position under the extrusion, adjacent to the class divider attachment assembly [13].
 - (c) Loosely install the bolt [16] and washer [17].
 - (d) Tighten the screw [15] between 10 in-lb (1.13 N·m) to 15 in-lb (1.69 N·m).
 - (e) Tighten the bolt [16].
 - (f) Make sure that the class divider attachment assembly [13] and the extrusion attachment assembly [14] are in the correct position.
 - 1) You must install the attachment assemblies in the correct position before you continue with the installation.

SUBTASK 25-24-10-420-011

- (2) To install the bottom attachment fittings, do these steps:
 - (a) Set the class divider [1] to the applicable location in the seat track [9].
 - (b) Engage the shear plunger into the seat track [9].
 - (c) Tighten the anti-rattle setscrew [8] to 30 ±5 in-lb (3 ±1 N·m).

SUBTASK 25-24-10-420-012

- (3) If applicable, do these steps to install the top attachment fitting:
 - (a) Attach the rail fitting [3] and the adapter wedges [2] to the class divider [1] with the screws [4].
 - 1) Tighten the screws [4] to 35 in-lb (4 N·m).
 - (b) Lower the PSU to get access the PSU rail [7].
 - (c) Align the rail fitting [3] to the applicable location on the PSU rail [7].
 - (d) Install the washers [5] and screws [6].
 - 1) Tighten the washers [5] to 35 in-lb (4 N·m).

SUBTASK 25-24-10-410-002

- (4) If applicable, connect the tie rod:
 - (a) For assemblies with a lockpin, install the pin [10], washers [11], and lockpin [12].
 - (b) Install the access covers, if applicable.

SUBTASK 25-24-10-410-003

- (5) If applicable, connect the electrical connectors.

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D. Put the Airplane Back to Its Usual Condition

SUBTASK 25-24-10-420-013

- (1) Lift the PSU to its initial position.

SUBTASK 25-24-10-420-020

- (2) If necessary, install the equipment or furnishings that are attached to the class divider [1].

———— **END OF TASK** ————

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OVERHEAD STOWAGE BIN - MAINTENANCE PRACTICES

1. General

- A. This procedure has these tasks:
- (1) Bin assist mechanism activation
 - (2) Bin assist mechanism removal
 - (3) Bin assist mechanism installation
 - (4) Bin assist gas spring removal
 - (5) Bin assist gas spring installation
 - (6) Overhead stowage bin alternate open method.

TASK 25-24-31-440-801

2. Bin Assist Mechanism Activation

(Figure 201)

A. General

- (1) This task gives instructions for the activation of the bin assist mechanism.

B. Bin Assist Mechanism Activation

SUBTASK 25-24-31-440-001

- (1) Activate the bin assist mechanism as follows:
 - (a) Turn the inboard edge of the bin bucket up a minimum of 1.5 in. (38.1 mm) or 3°arc (0 rad).

NOTE: Rotate the inboard edge more than 1.5 in. (38.1 mm) to make sure that the bearing passes the cam bracket.
 - (b) Use a hex wrench to tighten the bin assist screw to 20 in-lb (2 N·m) - 23 in-lb (3 N·m).

NOTE: The head of the screw will be 0.33 in. (8.38 mm) from the outer edge of the cover plate when correctly installed.
 - (c) Push the assist mechanism lever.

NOTE: The assist will not activate until load is applied to the bucket.
 - (d) Pull down on the threshold to apply load.
 - (e) Make sure that bin assist activates and start to pull the bin to close.
 - (f) When assist is detected, reapply load to the threshold.
 - (g) When the bin approaches the fully open position make sure that you hear two audible clicks.

NOTE: The assist is now reset. The assist mechanism lever will be in its initial position.

NOTE: The bin bucket will turn freely, open and closed, without the activation of the assist.

NOTE: Bucket misalignment in the open position can happen because of the assist mechanism. This condition is permitted.

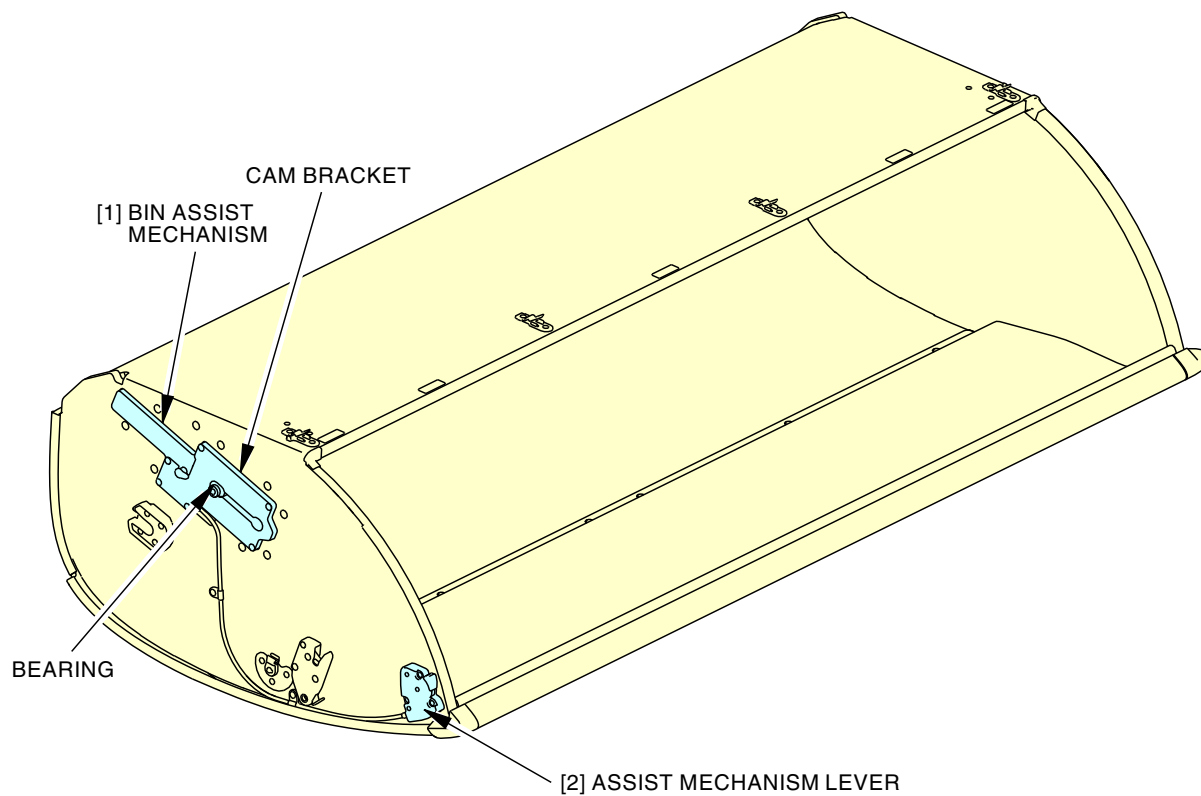
————— **END OF TASK** —————

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2812635 S0000647579_V1

Bin Assist Mechanism - Activation
Figure 201/25-24-31-990-811

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TASK 25-24-31-000-805

3. **Bin Assist Mechanism Removal**

(Figure 202)

A. General

- (1) This task is for the removal of the overhead stowage bin assist mechanism.

B. References

Reference	Title
25-24-31-000-801	Overhead Stowage Bin - Removal (P/B 401)
25-24-31-000-802	Overhead Stowage Bin Module - Removal (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Prepare for the Removal

SUBTASK 25-24-31-010-004

- (1) Do this task: Overhead Stowage Bin Module - Removal, TASK 25-24-31-000-802 or Overhead Stowage Bin - Removal, TASK 25-24-31-000-801.

E. Bin Assist Mechanism Removal

SUBTASK 25-24-31-010-005

- (1) Remove the two screws [5] and the two clamps [4] from the bin assist cable [23].

SUBTASK 25-24-31-010-006

- (2) Remove the three screws [3] that attach the assist mechanism lever [2] to the stowage bin.

SUBTASK 25-24-31-010-007

- (3) Remove the 10 screws [6] that attach the bin assist mechanism [1] to the inner side of the stowage bin.

SUBTASK 25-24-31-020-022

- (4) Remove the bin assist mechanism [1] from the stowage bin.

————— **END OF TASK** —————

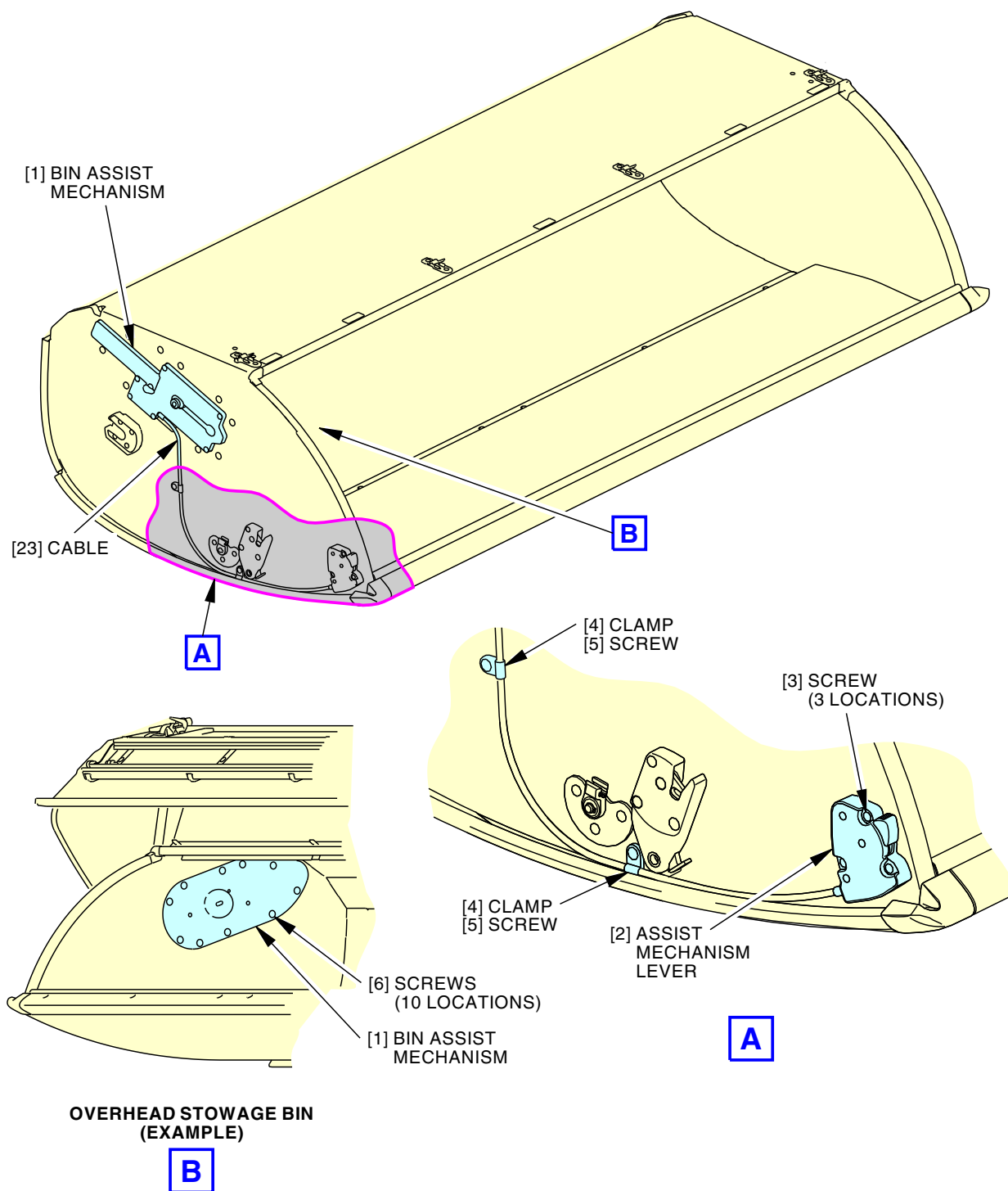
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2791340 S0000634613_V1

Bin Assist Mechanism Installation
Figure 202/25-24-31-990-809

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TASK 25-24-31-400-806

4. Bin Assist Mechanism Installation

(Figure 202)

A. General

- (1) This task is for the installation of the overhead stowage bin assist mechanism.

B. References

Reference	Title
20-50-11-910-801	Standard Torque Values (P/B 201)
25-24-31-400-801	Overhead Stowage Bin - Installation (P/B 401)
25-24-31-400-802	Overhead Stowage Bin Module - Installation (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Bin Assist Mechanism Installation

SUBTASK 25-24-31-420-025

- (1) Install the bin assist mechanism [1] and cable [23] through the inner opening of the stowage bin.

SUBTASK 25-24-31-410-002

- (2) Install the 10 screws [6] that attach the bin assist mechanism [1] to the stowage bin.

SUBTASK 25-24-31-420-026

- (3) Tighten the screws [6] to standard torque value (TASK 20-50-11-910-801).

SUBTASK 25-24-31-410-003

- (4) Install the three screws [3] that attach the assist mechanism lever [2] to the stowage bin.

SUBTASK 25-24-31-420-027

- (5) Tighten the three screws [3] to the standard torque value (TASK 20-50-11-910-801).

SUBTASK 25-24-31-410-004

- (6) Install the two screws [5] and two clamps [4] that attach the cable [23] to the stowage bin.

SUBTASK 25-24-31-420-028

- (7) Tighten the two screws [5] to the standard torque value (TASK 20-50-11-910-801).

E. Put the Airplane Back to Its Usual Condition

SUBTASK 25-24-31-410-005

- (1) Do this task: Overhead Stowage Bin - Installation, TASK 25-24-31-400-801 or Overhead Stowage Bin Module - Installation, TASK 25-24-31-400-802.

————— END OF TASK —————

TASK 25-24-31-000-806

5. Bin Assist Gas Spring Removal

(Figure 203)

A. General

- (1) This task is for the removal of the bin assist gas spring.

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B. References

Reference	Title
25-24-31-000-801	Overhead Stowage Bin - Removal (P/B 401)
25-24-31-000-802	Overhead Stowage Bin Module - Removal (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Prepare for the Removal

SUBTASK 25-24-31-010-008

- (1) Do this task: Overhead Stowage Bin Module - Removal, TASK 25-24-31-000-802 or Overhead Stowage Bin - Removal, TASK 25-24-31-000-801.

E. Bin Assist Gas Spring Removal

SUBTASK 25-24-31-860-001

- (1) Release the tension from the gas spring [21] as follows:

- (a) Push the assist mechanism lever [2].
- (b) Make sure that the gas spring [21] is in the extended position.

NOTE: The spring is in the extended position when the roller on the assist mechanism is towards the bin opening.

SUBTASK 25-24-31-010-009

- (2) Remove the six screws [19] from the cover [20].

SUBTASK 25-24-31-860-002

- (3) Use a bolt to compress the carriage [17] and the gas spring [21].

NOTE: This will disengage the hook from the gas spring tension.

NOTE: Use a bolt that is 5/16-18 x 4 inches long.

SUBTASK 25-24-31-010-010

- (4) Loosen the bolt until the gas spring [21] is extended and has no tension.

SUBTASK 25-24-31-020-023

- (5) Remove the retaining ring [18], the gas spring [21] and the washer [22].

NOTE: The washer is used on the bin assist mechanism that have P/N 412A7251-7C.

———— **END OF TASK** ————

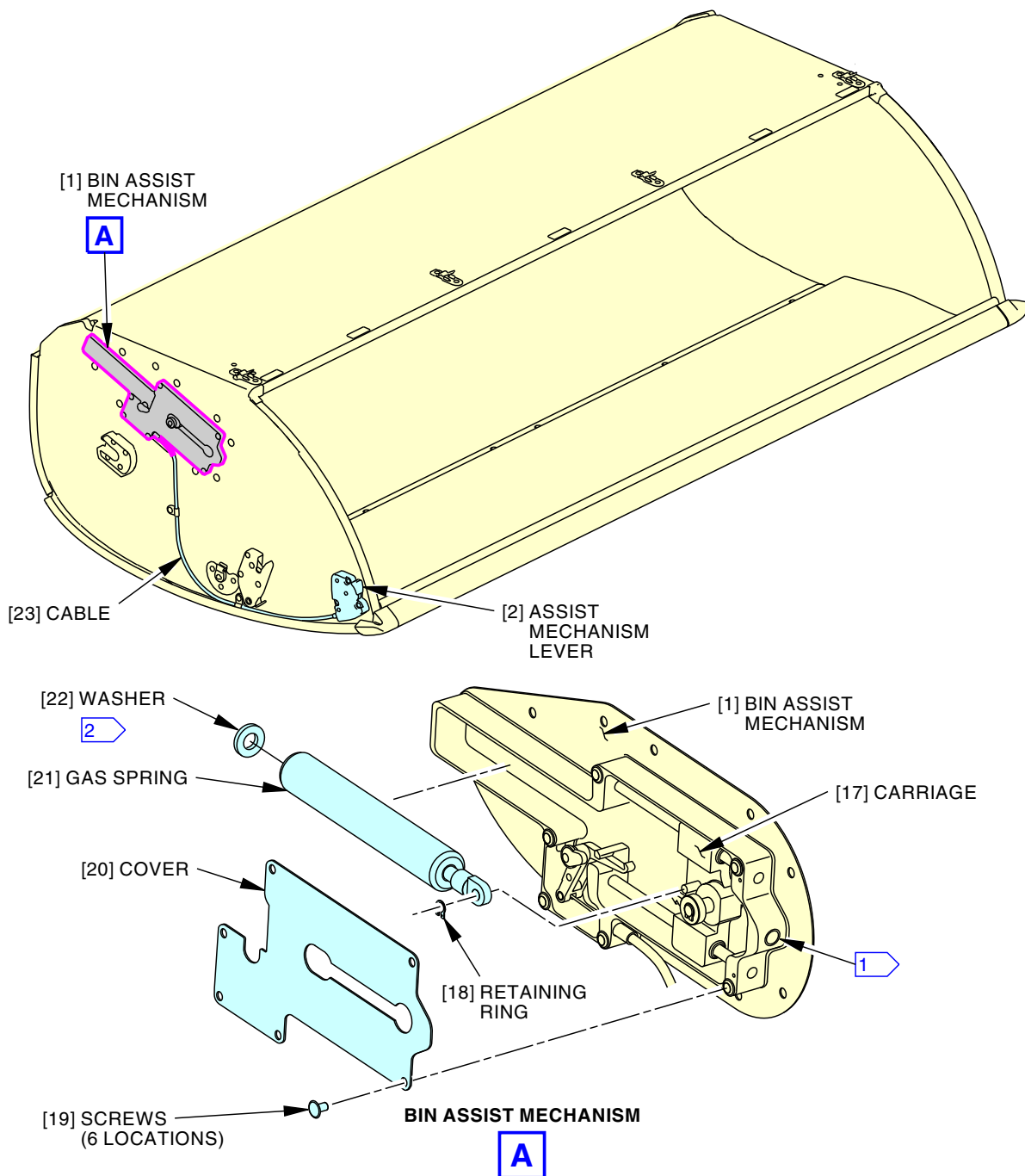
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2791343 S0000634618_V1

Bin Assist Mechanism Gas Spring Installation
Figure 203/25-24-31-990-810

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TASK 25-24-31-400-807

6. Bin Assist Gas Spring Installation

(Figure 203)

A. General

- (1) This task is for the Installation of the bin assist gas spring.

B. References

Reference	Title
25-24-31-400-801	Overhead Stowage Bin - Installation (P/B 401)
25-24-31-400-802	Overhead Stowage Bin Module - Installation (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Bin Assist Gas Spring Installation

SUBTASK 25-24-31-420-029

- (1) Install the washer [22], the gas spring [21], the retaining ring [18] on the carriage [17].

NOTE: The washer is used on bin assist mechanism that have P/N 412A7251-7C.

SUBTASK 25-24-31-860-003

- (2) Use a bolt to compress the carriage [17] and the gas spring [21].

NOTE: Compress the spring enough to engage the hook to the carriage and allow the gas spring to have some tension.

NOTE: Use a bolt that is 5/16-18 x 4 inches long.

SUBTASK 25-24-31-860-004

- (3) Loosen the bolt until the gas spring [21] is extended and has no tension.

SUBTASK 25-24-31-080-001

- (4) Remove the bolt.

SUBTASK 25-24-31-420-030

- (5) Install the six screws [19] that attach the cover [20] to the bin assist mechanism [1].

E. Put the Airplane Back to Its Usual Condition

SUBTASK 25-24-31-410-006

- (1) Do this task: Overhead Stowage Bin - Installation, TASK 25-24-31-400-801 or Overhead Stowage Bin Module - Installation, TASK 25-24-31-400-802.

————— END OF TASK —————

TASK 25-24-31-820-801

7. Overhead Stowage Bin - Alternate Open Method

A. General

- (1) This task opens the overhead stowage bin with a malfunctioning latch.

B. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

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Reference	Description
SPL-1641	Lever - Stowage Bin Release Part #: J25001-5 Supplier: 81205

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Procedure

SUBTASK 25-24-31-820-005

- (1) If you can not open the stowage bin with the stowage bin handle, then do these steps to move the emergency release lever to release the stowage bin latch.

NOTE: Usually the stowage bin handle will release one of the two latches. Use the emergency release lever to release the other latch. Pull down lightly at each end of the stowage bin, while you pull on the handle, to find which end is not released.

Procedure 1 (Using the lever, SPL-1641)

- (a) Put the lever, SPL-1641 between the stowage bins above the latch.

NOTE: Two to three inches below the top edge of the stowage bin is a good location to start.

NOTE: The lever, SPL-1641 should work at all latch locations, but it is a tight fit at the slip joint locations. If you use it at a slip joint be careful not to damage the seal (make sure the lever, SPL-1641 does not have sharp edges).

- (b) Turn the lever, SPL-1641 to point toward the stowage bin you want to open.
- (c) Move the lever, SPL-1641 down and outboard, keeping it in contact with the lip of the stowage bin. At the same time, pull on the stowage bin handle (to release the other latch) and pull down on the stowage bin to open it.

NOTE: You will feel the lever, SPL-1641 hit the emergency release lever. Push on the lever, SPL-1641 until the latch opens.

NOTE: You must hold the emergency release lever until you open the bin. Usually the latch will close again if you release the emergency release lever before you open the bin.

- (d) Procedure 2 (When the lever, SPL-1641, is not available)

NOTE: If the lever, SPL-1641, is available use it. It is the easier way to open the bin.

- 1) Open the stowage bin that is adjacent to the latch that will not release.

NOTE: If you cannot open a stowage bin adjacent to the latch you want to release then you cannot use this procedure. You must use Procedure 1 above that uses the lever, SPL-1641.

- 2) Put your finger (not all fingers will fit) or a small object (such as a 1/4 inch drive deep socket or a Chapstick) in the channel at the edge of the stowage bin. Move it down the channel behind the latch and push down on the emergency release lever with it. At the same time, pull on the stowage bin handle (to release the other latch) and pull down on the stowage bin to open it.

NOTE: You must hold the emergency release lever until you open the bin. Usually the latch will close again if you release the emergency release lever before you open the bin.

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SUBTASK 25-24-31-820-006

- (2) Replace or adjust latch if it is necessary.

————— **END OF TASK** —————

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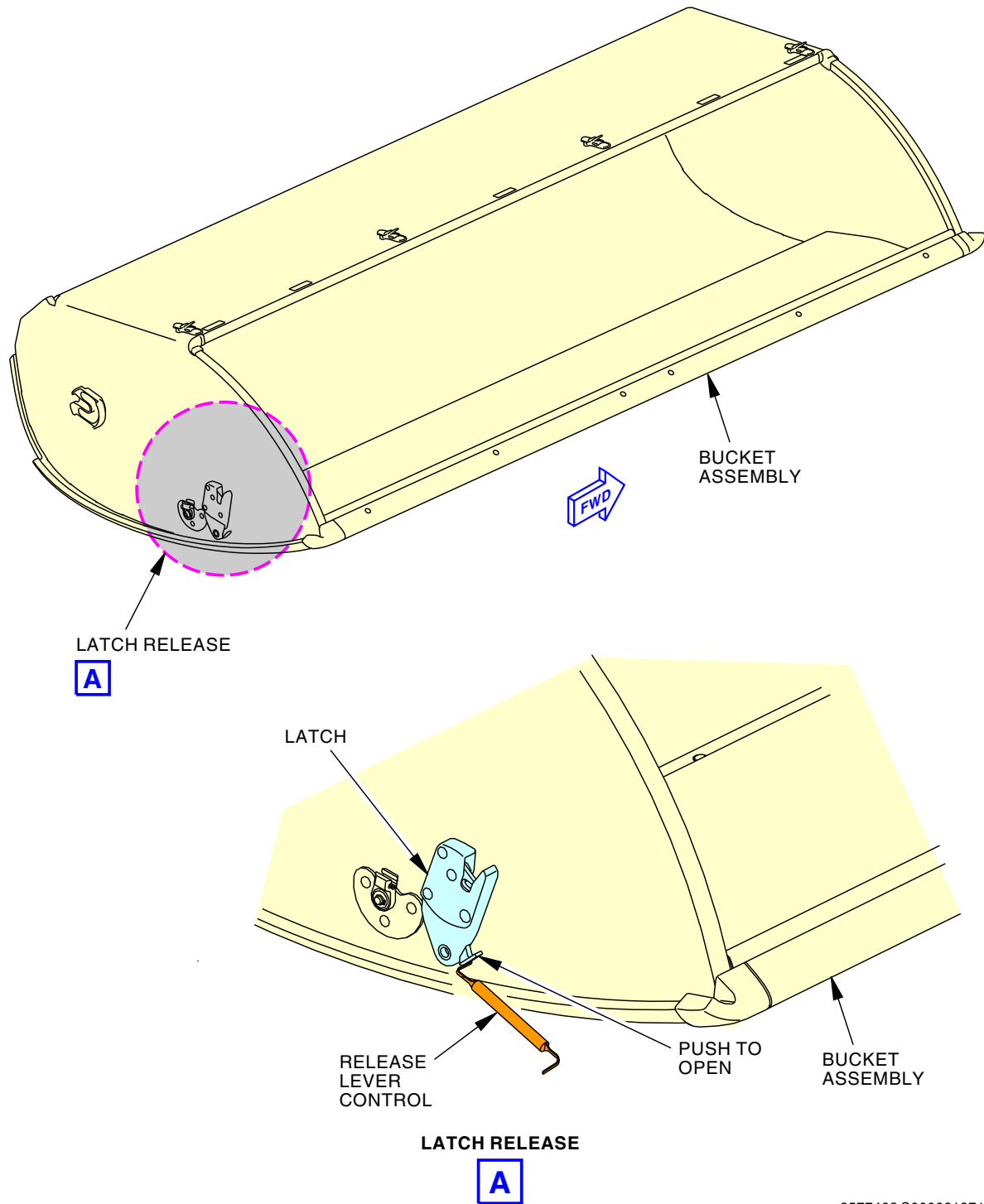
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2577403 S0000619712_V1

Stowage Bin Latch Release
Figure 204/25-24-31-990-808

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OVERHEAD STOWAGE BIN - REMOVAL/INSTALLATION

1. **General**

A. The procedure has these tasks:

NOTE: The strongback assembly will be called the overhead stowage bin module in these procedures.

- (1) Removal of the overhead stowage bin
- (2) Installation of the overhead stowage bin
- (3) Removal of the overhead stowage bin module
- (4) Installation of the overhead stowage bin module

TASK 25-24-31-000-801

2. **Overhead Stowage Bin - Removal**

(Figure 401 or Figure 402)

A. **References**

Reference	Title
25-22-00 P/B 401	PASSENGER SEATS - REMOVAL/INSTALLATION

B. **Tools/Equipment**

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
SPL-13897	Release Key - Pivot Bin Snubber, Boeing Sky Interior Part #: ST1066RB-1 Supplier: 81205
STD-1101	Wrench - Hexagonal, 7/64 Inch, Long Shaft
STD-13607	Wrench - Allen, 1/16 inch

C. **Location Zones**

Zone	Area
200	Upper Half of Fuselage

D. **General**

NOTE: It is recommended that two maintenance personnel do the removal of the overhead stowage bin.

E. **Prepare for the Removal**

SIA 001-014

SUBTASK 25-24-31-010-001

- (1) Do the applicable task in this procedure if it is necessary: PASSENGER SEATS - REMOVAL/INSTALLATION, PAGEBLOCK 25-22-00/401.

SIA ALL

SUBTASK 25-24-31-020-001

- (2) Open the stowage bin [1].

F. **Remove the Stowage bin**

SUBTASK 25-24-31-020-002

- (1) Remove the close out cloth [2] from the stowage bin [1]:

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- (a) Carefully use a small flat blade screwdriver to release the closeout cloth attach clips [3].
- (b) Lift the flap on the close out cloth [2].
- (c) Pull the rod [4] from the attach clips [3].

SUBTASK 25-24-31-020-003

- (2) Loosen the bin assist screw [5] if it is installed.

SUBTASK 25-24-31-020-004



HOLD THE STOWAGE BIN BUCKET TIGHTLY. IF IT TURNS, IT WILL
DISENGAGE FROM THE PIVOT FITTING. INJURIES TO PERSONNEL CAN
OCCUR.

SIA ALL; AIRPLANES WITH SNUBBER P/N SP23988

- (3) Disconnect the lower end of the rate control snubber [6] from each side of the stowage bin [1].
 - (a) Pull down the bin bucket and hold the stowage bin [1] tightly.
 - (b) Make sure that the rate control snubber [6] is fully extended.
 - (c) Put the release key, SPL-13897, or allen wrench, STD-13607 into the rate control snubber [6].

NOTE: The tool should stop at the internal pin releasing the spring clip.
 - (d) Move the rate control snubber [6] away from the tool until the snubber disengages from the rate control receiver [7].
 - (e) Remove the release key, SPL-13897, or allen wrench, STD-13607.

SIA ALL; AIRPLANES WITH SNUBBER P/N SP25133

- (4) Disconnect the lower end of the rate control snubber [6] from each side of the stowage bin [1].
 - (a) Pull down the bin bucket and hold the stowage bin [1] tightly.
 - (b) Make sure that the rate control snubber [6] is fully extended.
 - (c) Use a 7/64 inch long shaft hexagonal wrench, STD-1101 as a handle assist to disengage the rate control snubber [6] from the rate control receiver [7].

SIA ALL

SUBTASK 25-24-31-020-005

- (5) Turn the stowage bin [1] downward 10.0°arc (0.2 rad).

SUBTASK 25-24-31-020-006

- (6) Pull the stowage bin [1] from the module.

NOTE: The bin bucket pivot must disengage from the support assembly pivot.

————— **END OF TASK** —————

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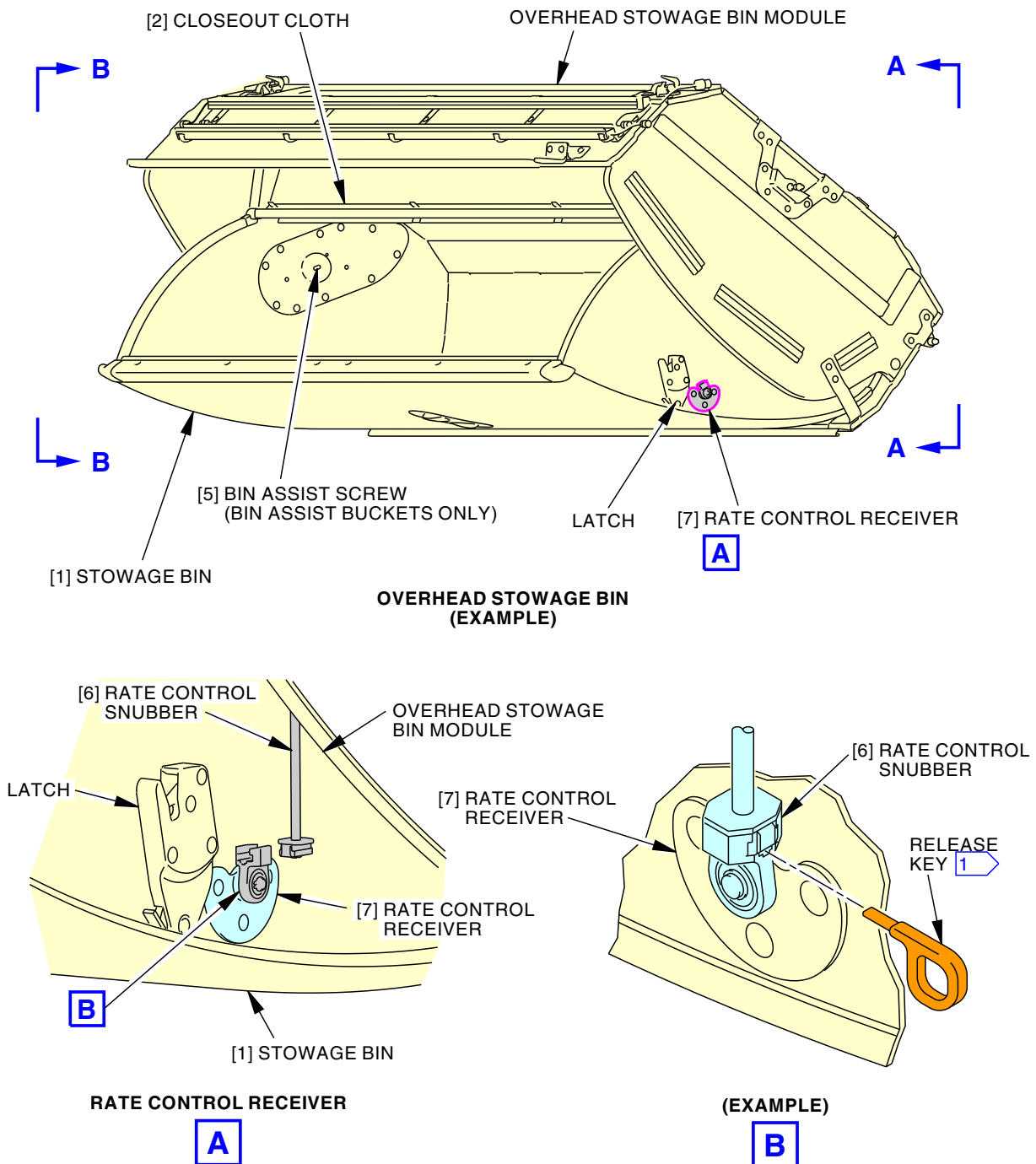
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NOTE:

1 RELEASE KEY SPL-13897, OR 1/16TH INCH STANDARD ALLEN WRENCH.

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Overhead Stowage Bin Installation
Figure 401/25-24-31-990-801 (Sheet 1 of 2)

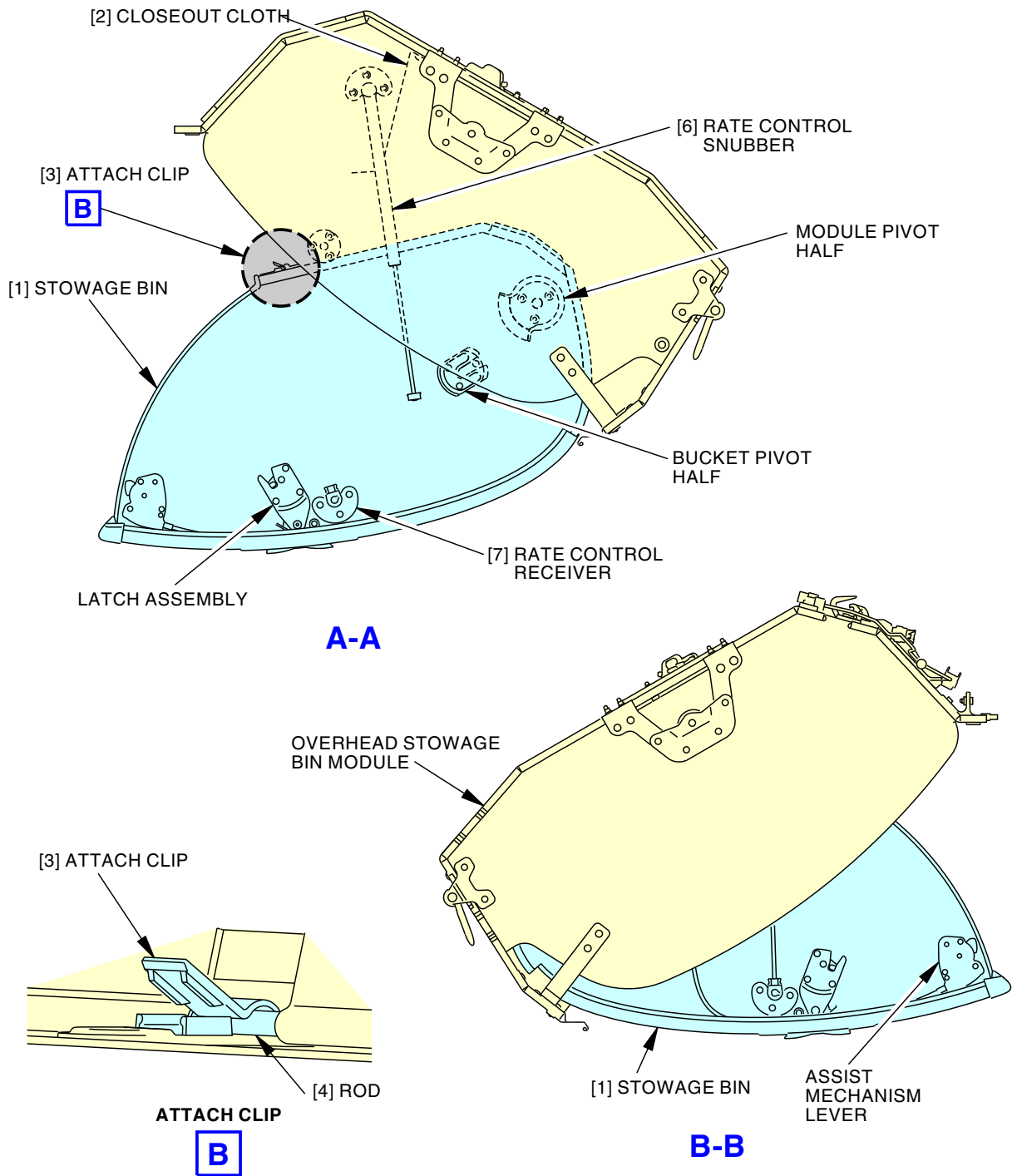
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SIA ALL; AIRPLANES WITH SNUBBER P/N SP23988

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2411903 S00061529416_V1

Overhead Stowage Bin Installation
Figure 401/25-24-31-990-801 (Sheet 2 of 2)

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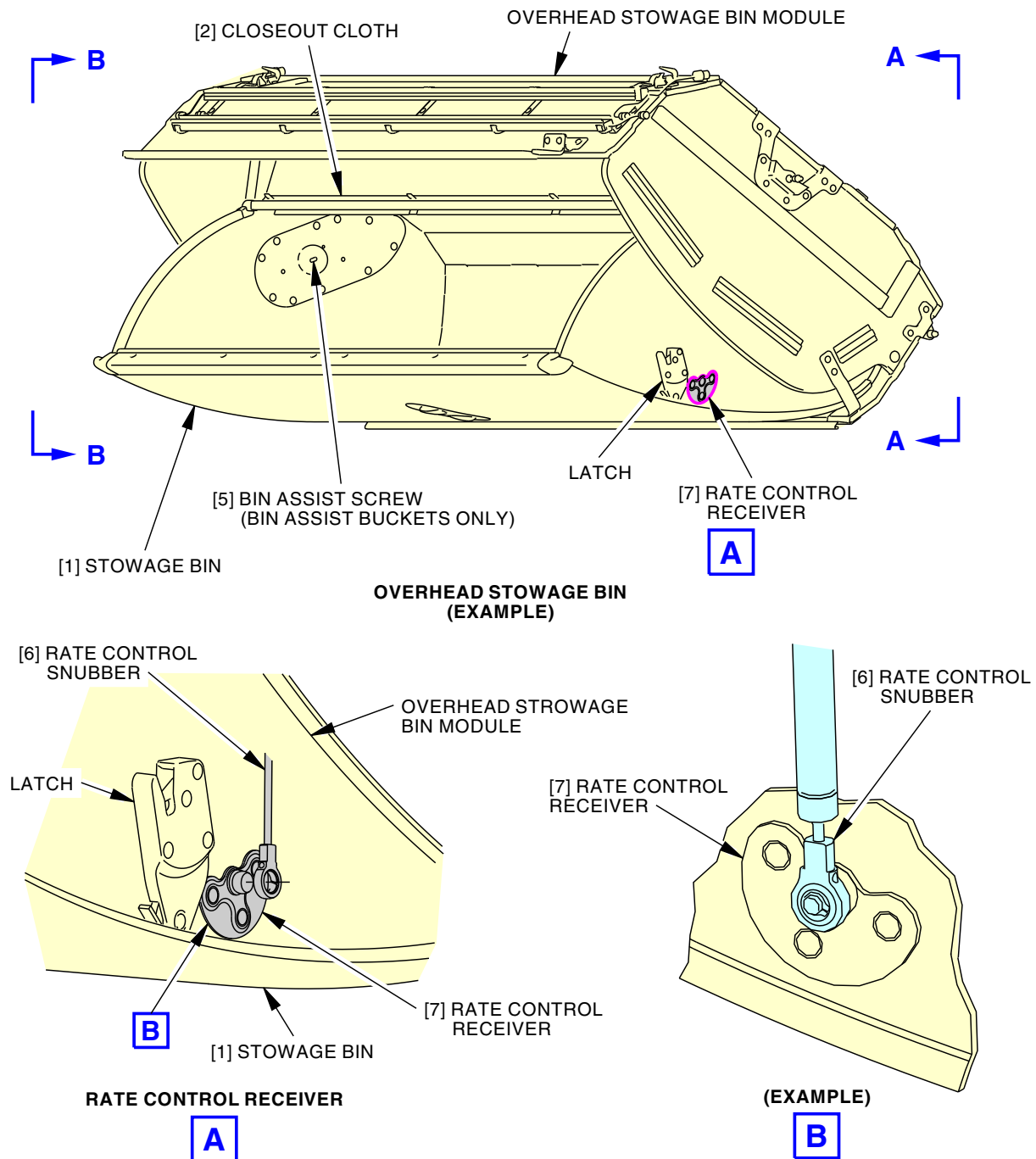
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3011133 S0000785045_V1

Overhead Stowage Bin Installation
Figure 402/25-24-31-990-812 (Sheet 1 of 2)

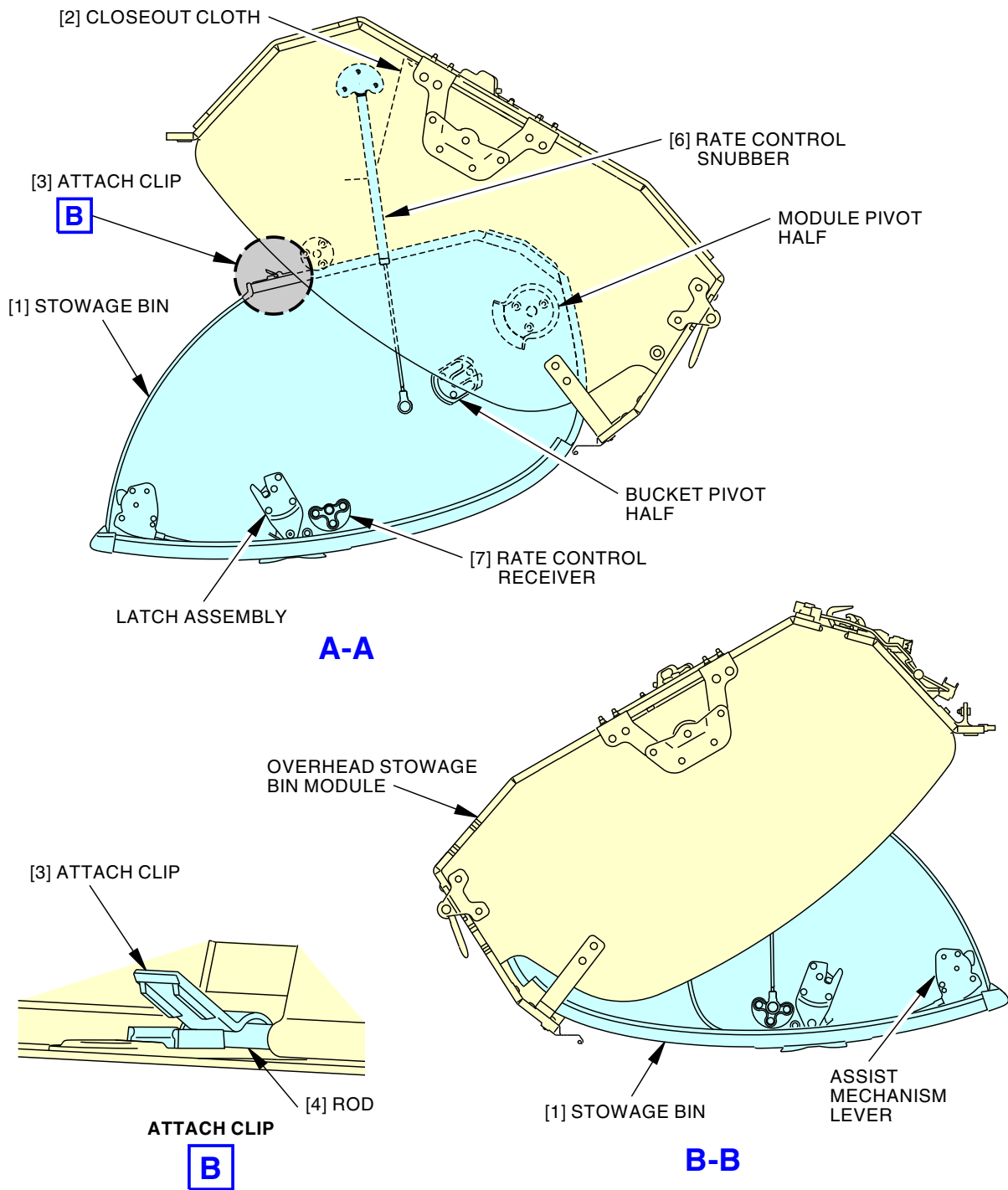
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3011127 S0000785052_V1

Overhead Stowage Bin Installation
Figure 402/25-24-31-990-812 (Sheet 2 of 2)

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SIA ALL

TASK 25-24-31-400-801

3. Overhead Stowage Bin - Installation

(Figure 401 or Figure 402)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Install the Stowage Bin

SUBTASK 25-24-31-420-001

(1) Put the stowage bin [1] in its correct position.

SUBTASK 25-24-31-420-002

(2) Raise the stowage bin [1] slightly to align the pivot halves.

SUBTASK 25-24-31-420-003

(3) Turn the stowage bin [1] up approximately 10°arc (0 rad) until the pivot halves fully engage.

SUBTASK 25-24-31-420-004

(4) If necessary, torque the bin assist screw [5] to 20 in-lb (2.26 N·m) - 23 in-lb (2.60 N·m).

SUBTASK 25-24-31-420-005

(5) Make sure that the rate control snubber [6] is fully extended.

SUBTASK 25-24-31-420-006

(6) Install the rate control snubber [6] to the rate control receiver [7] on the stowage bin [1].

SUBTASK 25-24-31-420-007

(7) Install the close out cloth [2] to the stowage bin [1]:

(a) Push the rod [4] into the attach clips [3] on the stowage bin [1].

(b) Push down on the leg of the attach clip [3] until it engages the lower part of the clip.

(c) Fold down the flap and fully engage the hook and loop strips to the stowage bin [1].

————— **END OF TASK** —————

TASK 25-24-31-000-802

4. Overhead Stowage Bin Module - Removal

Figure 403

A. References

Reference	Title
25-21-45-000-801	Main Ceiling Panel - Removal (P/B 401)
25-23-61-000-801	Passenger Service Unit - Removal (P/B 401)
35-00-00-420-801	Installation of Caps on Open Oxygen Lines (P/B 201)
35-00-00-910-801	Oxygen System General Maintenance Practices (P/B 201)
35-00-00-910-802	Safety Precautions (P/B 201)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

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C. Prepare for the Removal

SUBTASK 25-24-31-910-001

- (1) When you do maintenance to the Oxygen Systems, you must read or fully know the precautions and general instructions below:
 - (a) Follow the safety precautions.
 - 1) Do this task: Safety Precautions, TASK 35-00-00-910-802.
 - (b) Follow the general maintenance practices.
 - 1) Do this task: Oxygen System General Maintenance Practices, TASK 35-00-00-910-801.
 - (c) Follow the procedure for the installation of the caps on the open oxygen lines.
 - 1) Do this task: Installation of Caps on Open Oxygen Lines, TASK 35-00-00-420-801.

SUBTASK 25-24-31-040-001

- (2) To prevent the activation of the Emergency Lighting System, do these steps:
 - (a) At the overhead panel P5, set the EMER LIGHTS switch to OFF.
 - 1) Attach a DO-NOT-OPERATE tag on the switch.
 - (b) On the master attendant switch panel (ASP), on the attendant seat headrest at door 1L or 2L (if applicable), make sure that the EMER LIGHTS switch is OFF (red LED on the switch is OFF).
 - 1) Attach a DO-NOT-OPERATE tag on the switch.

SUBTASK 25-24-31-020-007

- (3) Remove the ceiling panels adjacent to the stowage bin modules.
 - (a) Do this task: Main Ceiling Panel - Removal, TASK 25-21-45-000-801.

SUBTASK 25-24-31-020-008

- (4) Remove the stowage bin bucket from the stowage bin module.
 - (a) Do this task: Overhead Stowage Bin - Removal, TASK 25-24-31-000-801

D. Stowage Bin Module Removal

SUBTASK 25-24-31-020-009

- (1) Remove the Passenger Service Units, if applicable.
 - (a) Do this task: Passenger Service Unit - Removal, TASK 25-23-61-000-801.

SUBTASK 25-24-31-020-010

- (2) Remove the applicable PSU oxygen equipment, if applicable.

SUBTASK 25-24-31-020-011

- (3) To remove the PSU wire bundles from the applicable stowage bin module, do these steps:
 - (a) Disconnect the electrical connector from the applicable PSU equipment.
 - (b) Remove the screws to disconnect the wire-bundle electrical connector from the stowage bin module.
 - 1) Disconnect the electrical connector from the aft-attached wire bundle.
 - (c) Disconnect the from the forward-attached wire bundle.
 - (d) Remove the clips to disconnect the PSU wire bundles from the stowage bin module.
 - (e) Remove and keep the PSU wire bundles.

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SUBTASK 25-24-31-020-012

- (4) Disconnect the wire-bundle electrical connectors from the adjacent lighting wire bundles.

SUBTASK 25-24-31-020-013

- (5) Remove the clamps to disconnect the air distribution ducts from the outboard stowage bin plenums.

SUBTASK 25-24-31-020-014



WARNING

BE CAREFUL WHEN YOU MOVE THE COMPONENT. THE COMPONENT IS HEAVY. INJURIES TO PERSONS CAN OCCUR.

- (6) To remove a stowage bin module [8] from the airplane, do the applicable steps:
- (a) Remove the quick-release pins [9] to disconnect the outboard end of the stowage bin module [8] from the tie rods [10].
NOTE: If the quick release pins are shared between two adjacent stowage bin modules, it is necessary to install the pins in order to give support to the adjacent stowage bin module, .
 - (b) Remove the bolt [11], washers [12], bushing [13] and nut [14] to disconnect the outboard end of the stowage bin module [8] from the tie rod [10].
NOTE: If the hardware is shared between two adjacent stowage bin modules, it is necessary to install the hardware in order to give support to the adjacent stowage bin module, .
 - (c) Remove the bolts [15], washers [16], bushings [17] and nuts [18] to disconnect the upper ends of the stowage bin module from the tie rods.
NOTE: The hardware is shared between two adjacent stowage bin modules. It is necessary to install the hardware in order to give support to the adjacent stowage bin module, .
 - 1) Remove tie rod cover to gain access.
 - (d) Remove the quick-release pin [9] to disconnect the stowage bin module [8] from the tie rod [10].
NOTE: The quick release pin is at the lower 9G tie rod attachment. The attachment is located at the top forward fitting on the stowage bin module.
 - 1) Remove tie rod cover to gain access.
 - (e) Remove the stowage bin module [8].

————— END OF TASK —————

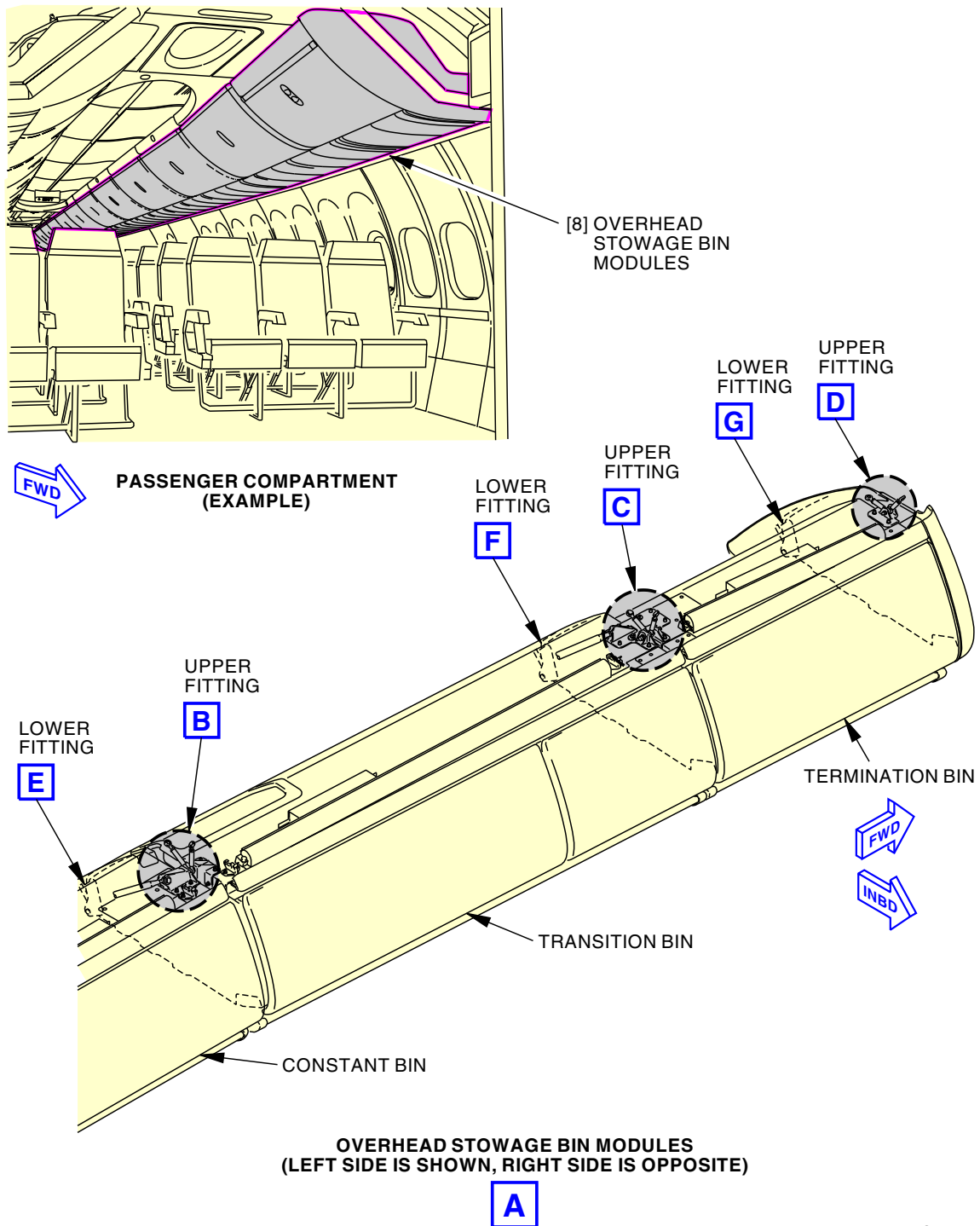
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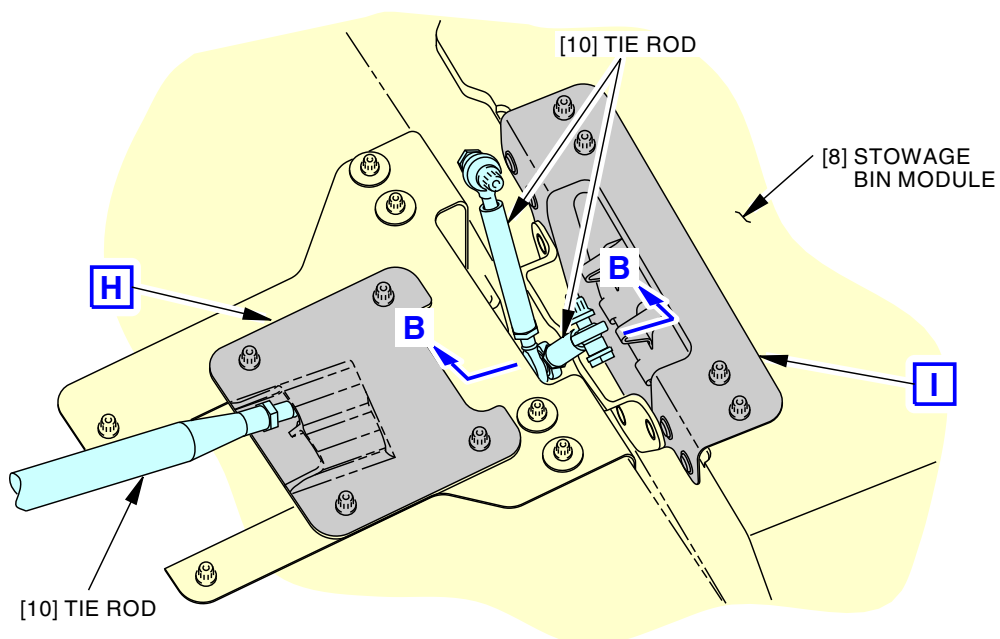
Overhead Stowage Bin Module Installation
Figure 403/25-24-31-990-804 (Sheet 1 of 4)

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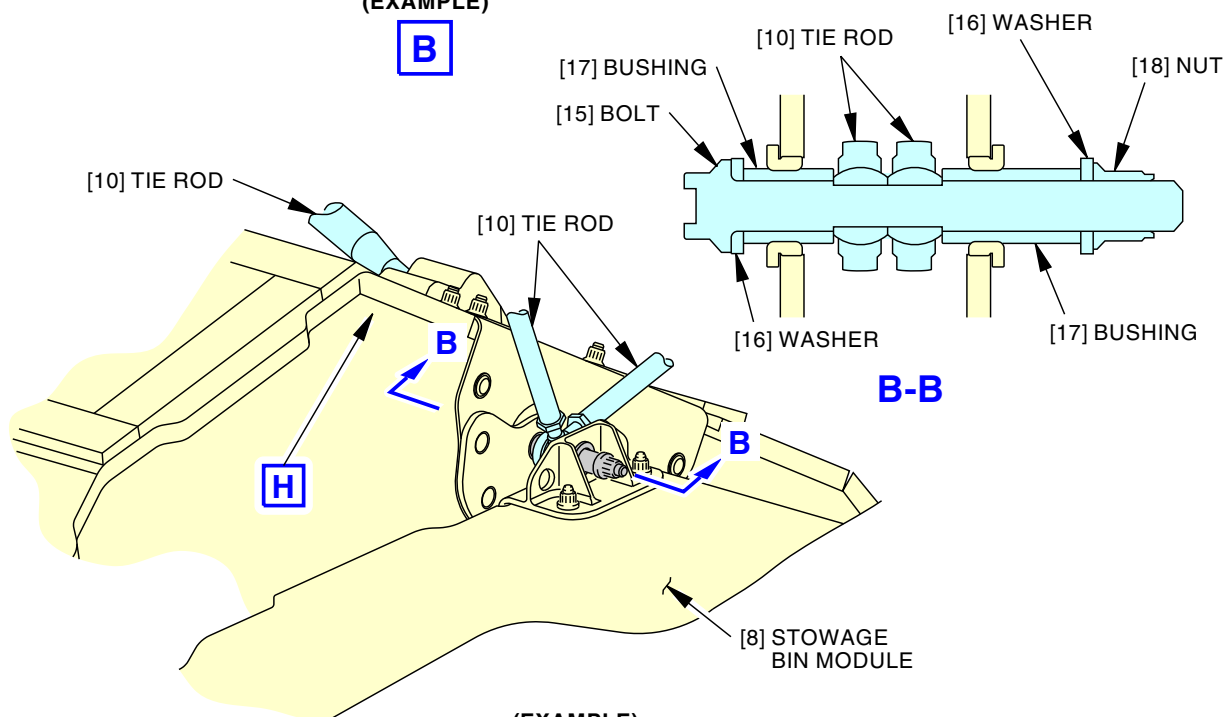
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(EXAMPLE)

[B]



(EXAMPLE)

[C]

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Overhead Stowage Bin Module Installation
Figure 403/25-24-31-990-804 (Sheet 2 of 4)

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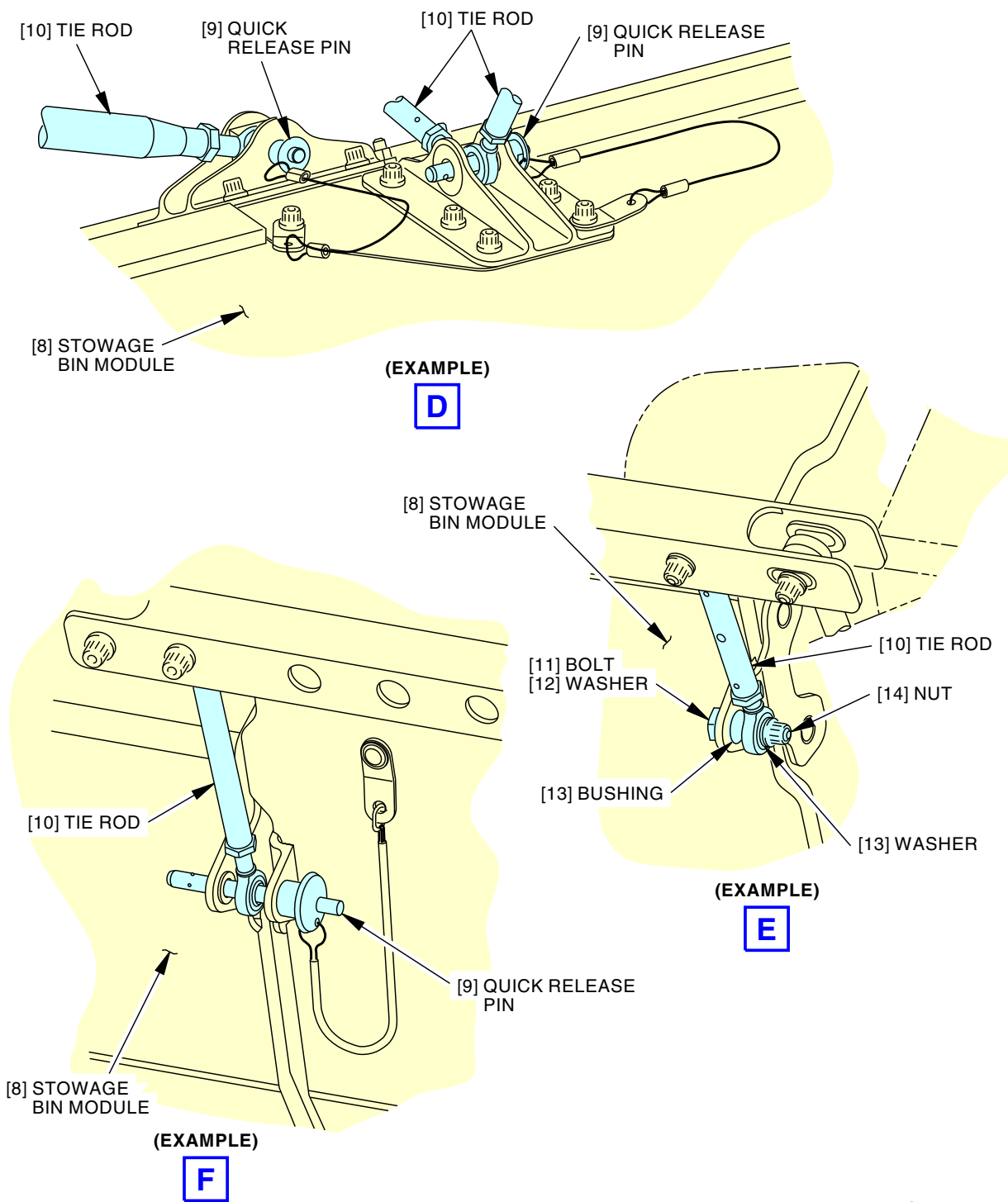
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Overhead Stowage Bin Module Installation
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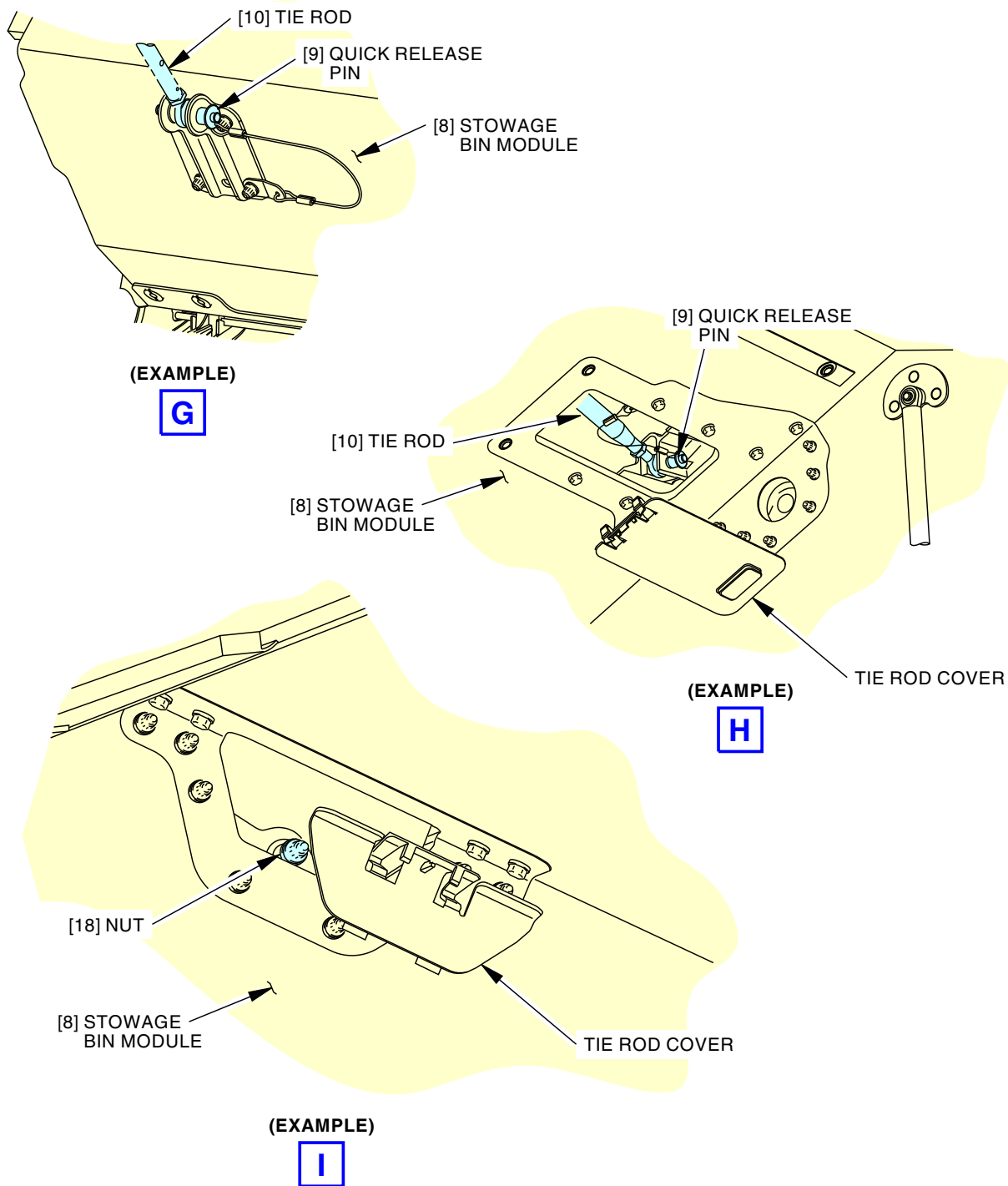
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Overhead Stowage Bin Module Installation
Figure 403/25-24-31-990-804 (Sheet 4 of 4)

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TASK 25-24-31-400-802

5. Overhead Stowage Bin Module - Installation

Figure 403

A. References

Reference	Title
25-21-45-400-801	Main Ceiling Panel - Installation (P/B 401)
25-23-61-400-801	Passenger Service Unit - Installation (P/B 401)
35-00-00-910-801	Oxygen System General Maintenance Practices (P/B 201)
35-00-00-910-802	Safety Precautions (P/B 201)

B. Prepare for the Installation

SUBTASK 25-24-31-910-002



WARNING

MAKE SURE YOU OBEY ALL LOCAL SAFETY PROCEDURES BEFORE YOU DO WORK ON THE GASEOUS OXYGEN SYSTEM. THIS WILL PREVENT INJURY TO PERSONS OR DAMAGE TO EQUIPMENT.

- (1) When you do maintenance to the Passenger Oxygen Systems, you must read or fully know the precautions and general instructions below:
 - (a) Follow the safety precautions.
 - 1) Do this task: Safety Precautions, TASK 35-00-00-910-802.
 - (b) Follow the general maintenance practices.
 - 1) Do this task: Oxygen System General Maintenance Practices, TASK 35-00-00-910-801

C. Overhead Stowage Bin Module Installation

SUBTASK 25-24-31-420-008



WARNING

BE CAREFUL WHEN YOU MOVE THE COMPONENT. THE COMPONENT IS HEAVY. INJURIES TO PERSONS CAN OCCUR.

- (1) To install a stowage bin module [8] in the airplane, do the applicable steps:
 - (a) Put the stowage bin module [8] in its position in the passenger compartment.
 - 1) Install the quick-release pin [9] to connect the top of the stowage bin module [8] to the tie rod [10].
 - a) Install the tie rod cover in its position.
 - 2) Install the bolts [15], washers [16], bushings [17] and nuts [18] to connect the top ends of the stowage bin module [8] to the tie rods [10].
 - a) Tighten nuts [18] to 90 in-lb (10 N·m) - 125 in-lb (14 N·m).
 - b) Install the tie rod cover in its position.
 - (b) Move the outboard end of the stowage bin module [8] into its position.
 - 1) Install the quick-release pins [9] to connect the outboard end of the stowage bin module [8] to the tie rods [10].
 - 2) Install the bolt [11], washers [12], bushing [13] and nut [14] to connect the outboard end of the stowage bin module [8] to the tie rod [10].

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SUBTASK 25-24-31-420-010

- (2) Make sure that the air distribution ducts are connected correctly to the plenums on the outboard stowage bin.
 - (a) Install the clamps to attach the air distribution ducts to the plenums on the outboard stowage bin.

SUBTASK 25-24-31-420-011

- (3) Connect the electrical connectors for the lighting-wire bundle to the adjacent lighting-wire bundles.

SUBTASK 25-24-31-420-012

- (4) To install the PSU wire bundles in the applicable stowage bin module, do these steps:
 - (a) Install the clips to connect the PSU wire bundles to the stowage bin module.
 - (b) Connect the electrical connector from the forward-attached wire bundle.
 - (c) Connect the electrical connector from the aft-attached wire bundle.
 - (d) Install the screws to connect the wire-bundle electrical connector.
 - (e) Connect the wire-bundle electrical connector to the applicable PSU equipment.

SUBTASK 25-24-31-420-013

- (5) Install the passenger air outlets if applicable.
 - (a) Do this task: Passenger Service Unit - Installation, TASK 25-23-61-400-801

SUBTASK 25-24-31-420-014

- (6) Install the applicable PSU oxygen equipment.

D. Put the Airplane Back to Its Usual Condition

SUBTASK 25-24-31-420-015

- (1) Install the bin bucket in the stowage bin module.
 - (a) Do this task: Overhead Stowage Bin - Installation, TASK 25-24-31-400-801 or Overhead Stowage Bin Module - Installation, TASK 25-24-31-400-802.

SUBTASK 25-24-31-420-016

- (2) Install the main ceiling panels that were removed for access.
 - (a) Do this task: Main Ceiling Panel - Installation, TASK 25-21-45-400-801.

————— **END OF TASK** —————

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OVERHEAD STOWAGE BIN - INSPECTION

1. General

A. This procedure has this inspection task:

- (1) Overhead Stowage Bin - General Visual Inspection

TASK 25-24-31-210-801

2. OVERHEAD STOWAGE BIN - GENERAL VISUAL INSPECTION

A. **Location Zones**

Zone	Area

200	Upper Half of Fuselage

B. **Overhead Stowage Bin Inspection**

SUBTASK 25-24-31-210-001

- (1) Rippling of the bottom shelf material of the overhead stowage bins may develop over time. There is no limitation on the size or number of ripples. The bins retain their structural integrity regardless of how many ripples they have or the size of the ripples. This is an aesthetic condition only and does not affect safety. No re-occurring inspection is required or necessary.

SUBTASK 25-24-31-210-002

- (2) Dents on strong back face sheet may develop over time. This is an aesthetic condition only and the bins retain their structural integrity as long as the condition does not penetrate into the glass reinforcement.

————— **END OF TASK** —————

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CENTER OVERHEAD STOWAGE BOX - MAINTENANCE PRACTICES

1. **General**

A. This procedure has these tasks:

- (1) Center overhead stowage box door latch assembly removal
- (2) Center overhead stowage box door latch assembly installation
- (3) Center overhead stowage box door removal
- (4) Center overhead stowage box door installation
- (5) Center overhead stowage box actuator and snubber removal
- (6) Center overhead stowage box actuator and snubber installation
- (7) Center overhead stowage box shroud removal
- (8) Center overhead stowage box shroud installation.

TASK 25-24-40-020-801

2. **Center Overhead Stowage Box Latch Assembly Removal**

(Figure 201)

A. **General**

- (1) This task is for the removal of the latch assembly on the center overhead stowage box.

B. **Location Zones**

Zone	Area
200	Upper Half of Fuselage

C. **Prepare for the Removal**

SUBTASK 25-24-40-010-001

- (1) Open the stowage box door with the door latch handle [12] to the full open position.

SUBTASK 25-24-40-160-001

- (2) Remove all the contents from the stowage box.

D. **Center Overhead Stowage Box Door Latch Assembly Removal**

SUBTASK 25-24-40-020-020

- (1) Remove the threshold [5] from the stowage box door as follows:
 - (a) Get access to the door latch [6] assembly.
 - (b) Remove the two screws [1] and two spacers [2] to release the shaft [3] from the threshold [5].
 - (c) Remove the shaft [3] from the door latch [6] assembly.
 - (d) Remove the 11 screws [4] that attach the threshold [5] to the stowage box door.

SUBTASK 25-24-40-020-021

- (2) Remove the door handle assembly [11] from the stowage box door as follows:
 - (a) Remove the four screws [10] that attach the center bracket [9] to the stowage box door.
 - (b) Remove the two screws [7] and two washers [8] that attach the center bracket [9] and door handle assembly [11] to the stowage box door.
 - (c) Remove the center bracket [9] from the stowage box door.

————— **END OF TASK** —————

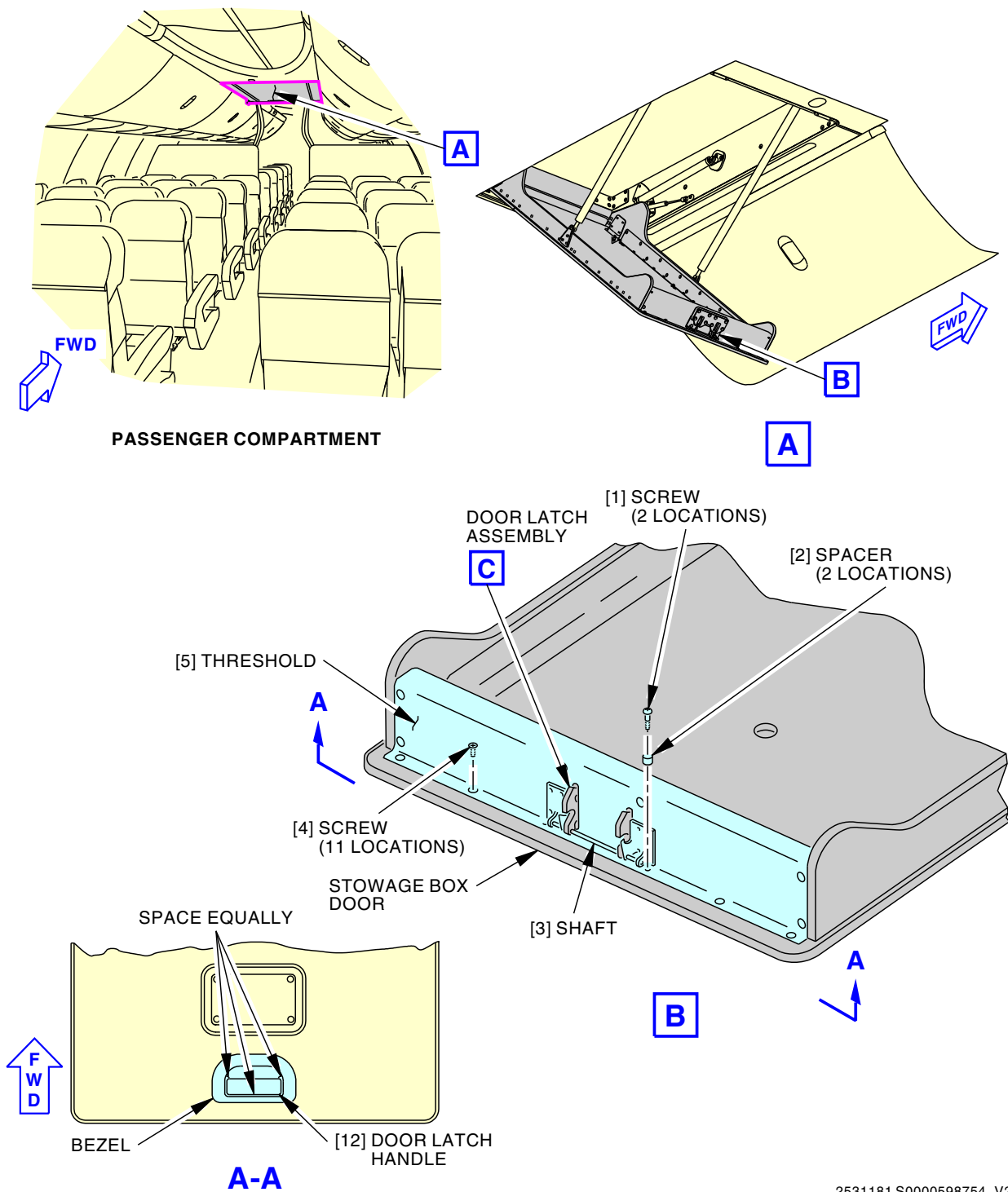
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Center Overhead Stowage Box Door Latch Assembly Installation
Figure 201/25-24-40-990-805 (Sheet 1 of 2)

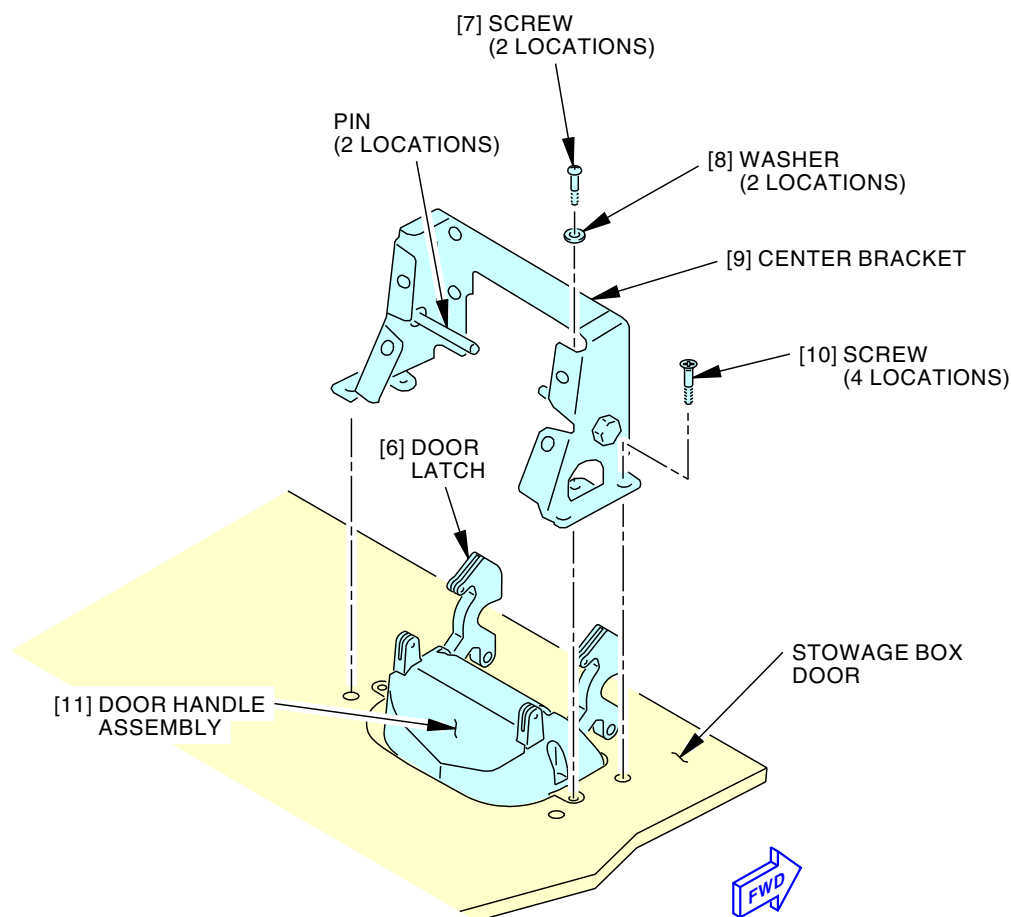
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DOOR LATCH ASSEMBLY

C

2531184 S0000598756_V2

Center Overhead Stowage Box Door Latch Assembly Installation
Figure 201/25-24-40-990-805 (Sheet 2 of 2)

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TASK 25-24-40-420-801

3. Center Overhead Stowage Box Latch Assembly Installation

(Figure 201)

A. General

- (1) This task is for the installation of the latch assembly on the center overhead stowage box.

B. Location Zones

Zone	Area

200	Upper Half of Fuselage

C. Center Overhead Stowage Box Latch Assembly Installation

SUBTASK 25-24-40-420-019

- (1) Install the door handle assembly [11] on the stowage box door as follows:
- (a) Install the center bracket [9] on the stowage box door with four screws [10].
 - (b) Align the door handle assembly [11] in the cutout on the stowage box door.
 - (c) Install the two screws [7] and two washers [8] that attach the center bracket [9] and door handle assembly [11] to the stowage box door.
 - (d) Make sure that the bezel is held tightly and can be adjusted to get the correct clearance between the bezel and the door handle assembly [11].

SUBTASK 25-24-40-420-020

- (2) Install the threshold [5] on the stowage box door as follows:
- (a) Align the threshold [5] on the stowage box door.
 - (b) Put the shaft [3] through the threshold [5] and the door latch [6] assembly.
 - (c) Install the two screws [1] and two spacers [2] to keep the shaft [3] in position.
 - (d) Install the 11 screws [4] to attach the threshold [5] to the stowage box door.

SUBTASK 25-24-40-820-002

- (3) Adjust the bezel to make equal spaces on the perimeter of the door handle assembly [11].

D. Put the Airplane Back to Its Usual Condition

SUBTASK 25-24-40-910-001

- (1) Put all items you removed back in the stowage box.

E. Door Latch Assembly Installation Test

SUBTASK 25-24-40-710-005

- (1) Make sure that the door handle assembly [11] operates correctly as follows:
- (a) Close and open the stowage box door several times.
 - (b) Make sure that the door latch [6] engages and disengages correctly.
 - (c) Close the stowage box door.
 - (d) Make sure that the door handle assembly [11] is flush with the stowage box door.

————— **END OF TASK** —————

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TASK 25-24-40-020-802

4. **Center Overhead Stowage Box Door Removal**

(Figure 202)

A. General

- (1) This task is for the removal of the door for the center overhead stowage box.

B. References

Reference	Title
33-22-00-960-804	Ceiling Light, Center Overhead Stowage - LED Light Assembly Replacement (P/B 201)

C. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

D. Prepare for the Removal

SUBTASK 25-24-40-010-002

- (1) If it is necessary, remove the LED light assembly (TASK 33-22-00-960-804).

SUBTASK 25-24-40-010-003

- (2) Open the center overhead stowage box door [21] with the door latch handle [12] to the full open position.

SUBTASK 25-24-40-000-001

- (3) Remove all contents from inside the center overhead stowage box door [21].

E. Center Overhead Stowage Box Door Removal

SUBTASK 25-24-40-010-004

- (1) Remove the two bolts [27] and two washers [28] that attach the rebound rate control snubber assembly [32] to the stowage box.

SUBTASK 25-24-40-010-005

- (2) Remove the two bolts [35], two washers [37], and the two nuts [36] that attach the two rate control snubber assemblies [34] to the center overhead stowage box door [21].

SUBTASK 25-24-40-560-001

- (3) Lower the center overhead stowage box door [21] to a near vertical position.

SUBTASK 25-24-40-010-006

- (4) Remove the bolt [29], two washers [30], and nut [31] that attach each of the two actuator assemblies [33] to the center overhead stowage box door [21].

SUBTASK 25-24-40-020-022

- (5) Remove the center overhead stowage box door [21] from the center overhead stowage box assembly as follows:
- (a) Support the center overhead stowage box door [21].
 - (b) Remove the four bolts [25] from the hinge pivot pin [26] on the left and right side of the center overhead stowage box door [21].
 - (c) Remove the hinge pivot pin [26], damper [24], washer [23], and bushing [22] from the left and right side of the center overhead stowage box door [21].
 - (d) Carefully remove the center overhead stowage box door [21] from the stowage box.

————— **END OF TASK** —————

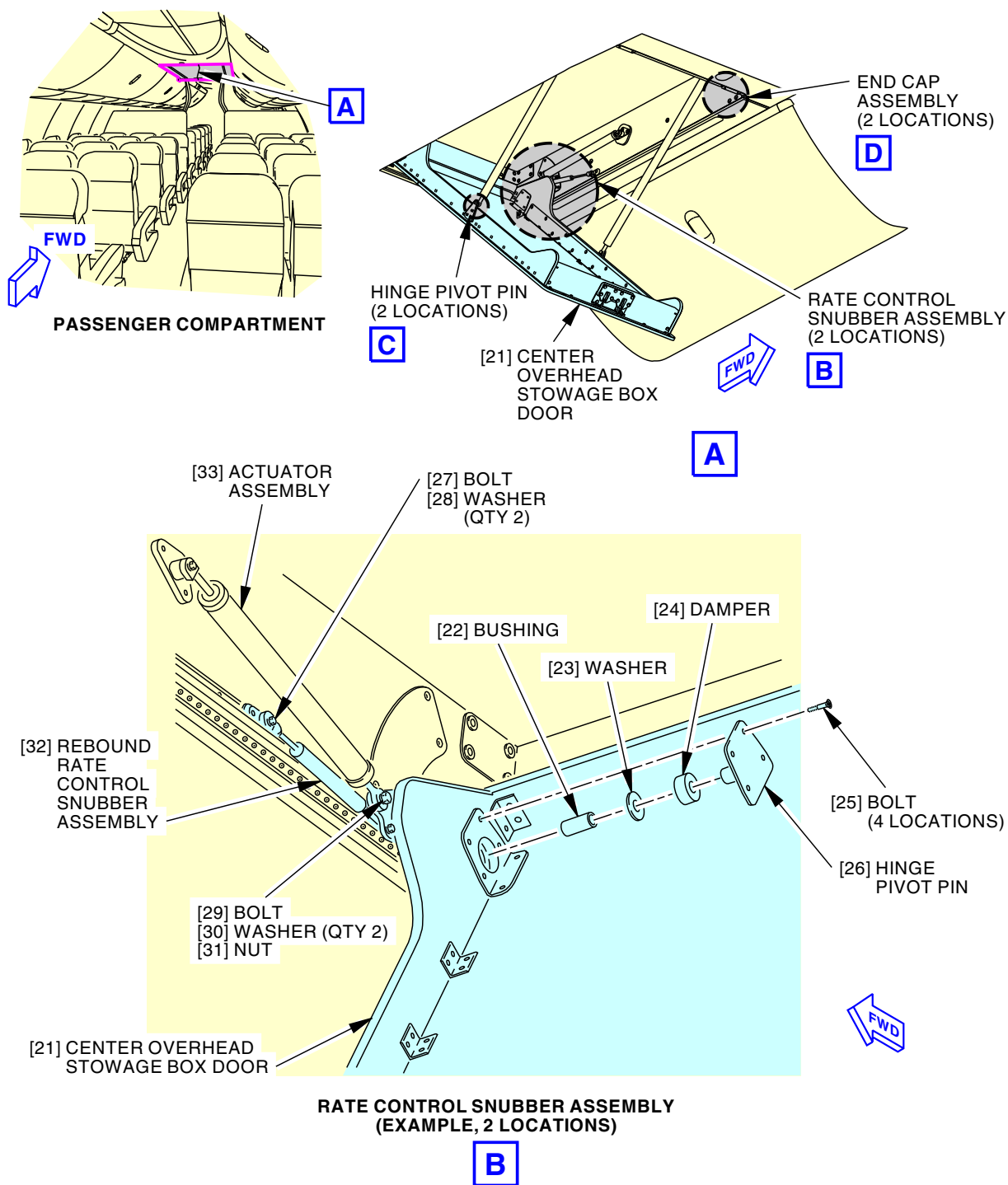
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2531313 S0000598841_V2

Center Overhead Stowage Box Door Installation
Figure 202/25-24-40-990-806 (Sheet 1 of 2)

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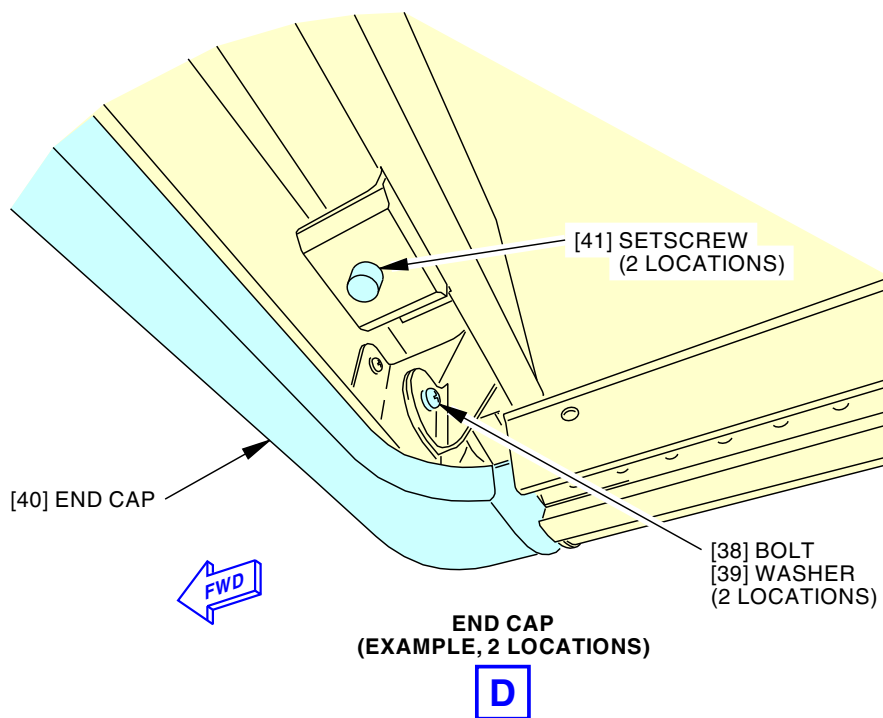
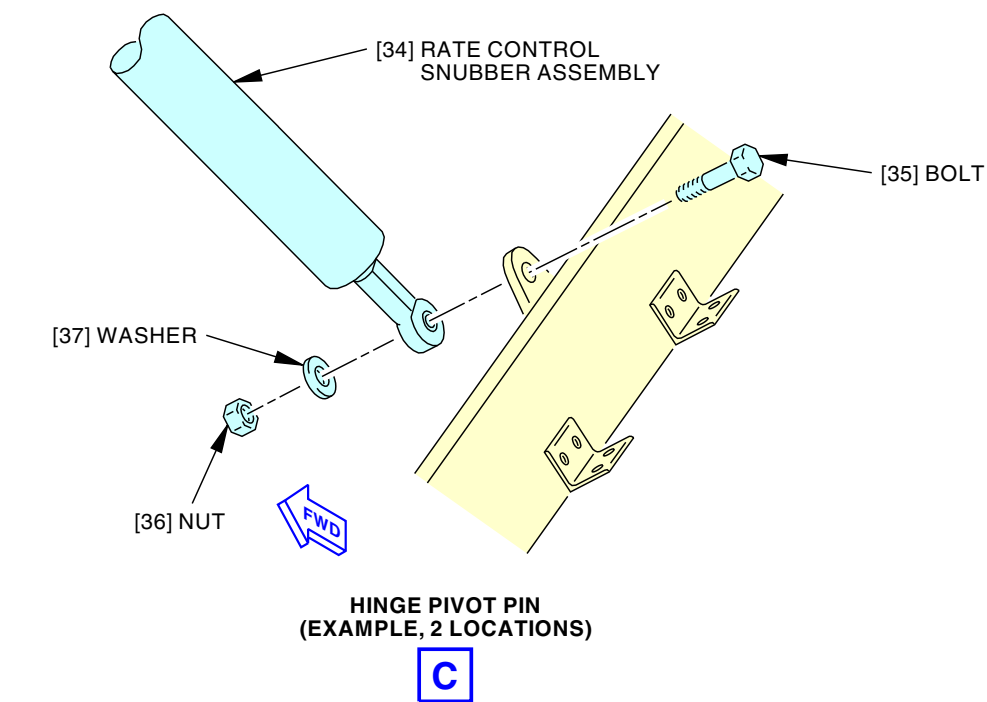
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2531314 S0000598842_V2

Center Overhead Stowage Box Door Installation
Figure 202/25-24-40-990-806 (Sheet 2 of 2)

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TASK 25-24-40-420-802

5. Center Overhead Stowage Box Door Installation

(Figure 202)

A. General

- (1) This task is for the installation of the door for the center overhead stowage box.

B. References

Reference	Title
33-22-00-960-804	Ceiling Light, Center Overhead Stowage - LED Light Assembly Replacement (P/B 201)

C. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

D. Center Overhead Stowage Box Door Installation

SUBTASK 25-24-40-420-021

- (1) Install the center overhead stowage box door [21] on the center overhead stowage box assembly as follows:
- (a) Support the center overhead stowage box door [21] into position.
 - (b) Install the hinge pivot pin [26], damper [24], washer [23], and the bushing [22] on the left and right side of the center overhead stowage box door [21].
 - (c) Install the bolts [25] that attach the hinge pivot pin [26] on the left and right side of the center overhead stowage box door [21].

SUBTASK 25-24-40-410-014

- (2) Install the bolt [29], washers [30], and nut [31] to attach the left and right actuator assemblies [33] to the center overhead stowage box door [21].

SUBTASK 25-24-40-410-015

- (3) Install the bolts [35], washers [37], and the nuts [36] to attach the left and right rate control snubber assemblies [34] to the center overhead stowage box door [21].

SUBTASK 25-24-40-410-016

- (4) Install the bolts [27] and washers [28] to attach the left and right rebound rate control snubber assemblies [32] to the center overhead stowage box doors [21].

SUBTASK 25-24-40-410-017

- (5) Install the bolts [27] and washers [28] to attach the left and right rebound rate control snubber assemblies [32] to the center overhead stowage box door [21].

E. Put the Airplane Back to its Usual Condition

SUBTASK 25-24-40-410-018

- (1) Install the LED light assembly (TASK 33-22-00-960-804).

F. Center Overhead Stowage Box Door Installation Test

SUBTASK 25-24-40-710-006

- (1) Do an installation test of the center overhead stowage box door [21].
- (a) Close and open the center overhead stowage box door [21] two or three times.
 - (b) Make sure that the door touches the left and right door stops equally.
 - (c) If it is necessary, adjust the center overhead stowage box door [21] as follows:

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- 1) Hold the end cap [40] on the center overhead stowage box door [21].
- 2) Remove the bolt [38] and washer [39] that attach the left and right end caps [40] to the center overhead stowage box door [21].
- 3) Turn the setscrew [41] to get the correct door flushness.

SUBTASK 25-24-40-710-007

- (2) Do an installation test of the door handle assembly [11] as follows:
 - (a) Open and close the center overhead stowage box door [21] two or three times.
 - (b) Make sure that the door latch [6] engages and disengages correctly.
 - (c) Close the center overhead stowage box door [21].
 - (d) Make sure that the door latch handle [12] is flush with the center overhead stowage box door [21].
 - (e) If it is necessary, adjust the center overhead stowage box door [21] as follows:
 - 1) Make sure that there are even gaps between the door latch handle [12] and the bezel.
 - 2) Operate the door handle assembly [11] to make sure that the door latch handle [12] operates correctly.

SUBTASK 25-24-40-410-019

- (3) Put the contents back in the center overhead stowage box.

SUBTASK 25-24-40-410-020

- (4) Close and latch the center overhead stowage box door [21].

————— **END OF TASK** —————

TASK 25-24-40-020-803

6. Center Overhead Stowage Box Actuator and Snubber Removal

(Figure 203)

A. General

- (1) This task is for the removal of the actuator and the rate control snubber for the center overhead stowage box.

B. References

Reference	Title
25-21-45-000-801	Main Ceiling Panel - Removal (P/B 401)

C. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

D. Prepare for the Removal

SUBTASK 25-24-40-010-007

- (1) Open the stowage box door with the door latch handle [12] to the full open position.

SUBTASK 25-24-40-010-008

- (2) Remove all contents from the stowage box.

SUBTASK 25-24-40-010-012

- (3) Remove the sculptured ceiling panels near the center overhead stowage box door [21] (TASK 25-21-45-000-801).

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E. Center Overhead Stowage Box Actuator and Snubber Removal

SUBTASK 25-24-40-020-023

- (1) Remove the left or right rebound rate control snubber assembly [32] and the rate control snubber assembly [34] as follows:
 - (a) Remove the bolt [27] and the washer [28] that attach the rebound rate control snubber assembly [32] to the stowage box.
 - (b) Remove the bolt [35], washer [37], and the nut [36] that attach the rate control snubber assemblies [34] to the center overhead stowage box door [21].

SUBTASK 25-24-40-560-002

- (2) Lower the center overhead stowage box door [21] to a near vertical position.

SUBTASK 25-24-40-020-024

- (3) Remove the left or right rate control snubber assembly [34] as follows:
 - (a) Remove the bolt [51], two washers [52], and the nut [53] that attach the rate control snubber assembly [34] to the stowage box.

NOTE: Access to the washers and nut is above the side panel of the center overhead stowage box door.
 - (b) Remove the rate control snubber assembly [34] from the stowage box.

SUBTASK 25-24-40-020-025

- (4) Remove the left or right rebound rate control snubber assembly [32] as follows:
 - (a) Remove the bolt [57] and the washer [58] that attach the rebound rate control snubber assembly [32] to the center overhead stowage box door [21].
 - (b) Remove the rebound rate control snubber assembly [32] from the stowage box.

SUBTASK 25-24-40-020-026

- (5) Remove the left or right actuator assembly [33] as follows:
 - (a) Hold the center overhead stowage box door [21].
 - (b) Remove the bolt [29], washer [30], and the nut [31] that attach the actuator assembly [33] to the center overhead stowage box door [21].
 - (c) Remove the bolt [54], two washers [55], and the nut [56] that attach the actuator assembly [33] to the stowage box.

NOTE: Access to the nut and washers is above the side panel of the stowage box.
 - (d) Remove the actuator assembly [33] from the stowage box.

————— **END OF TASK** —————

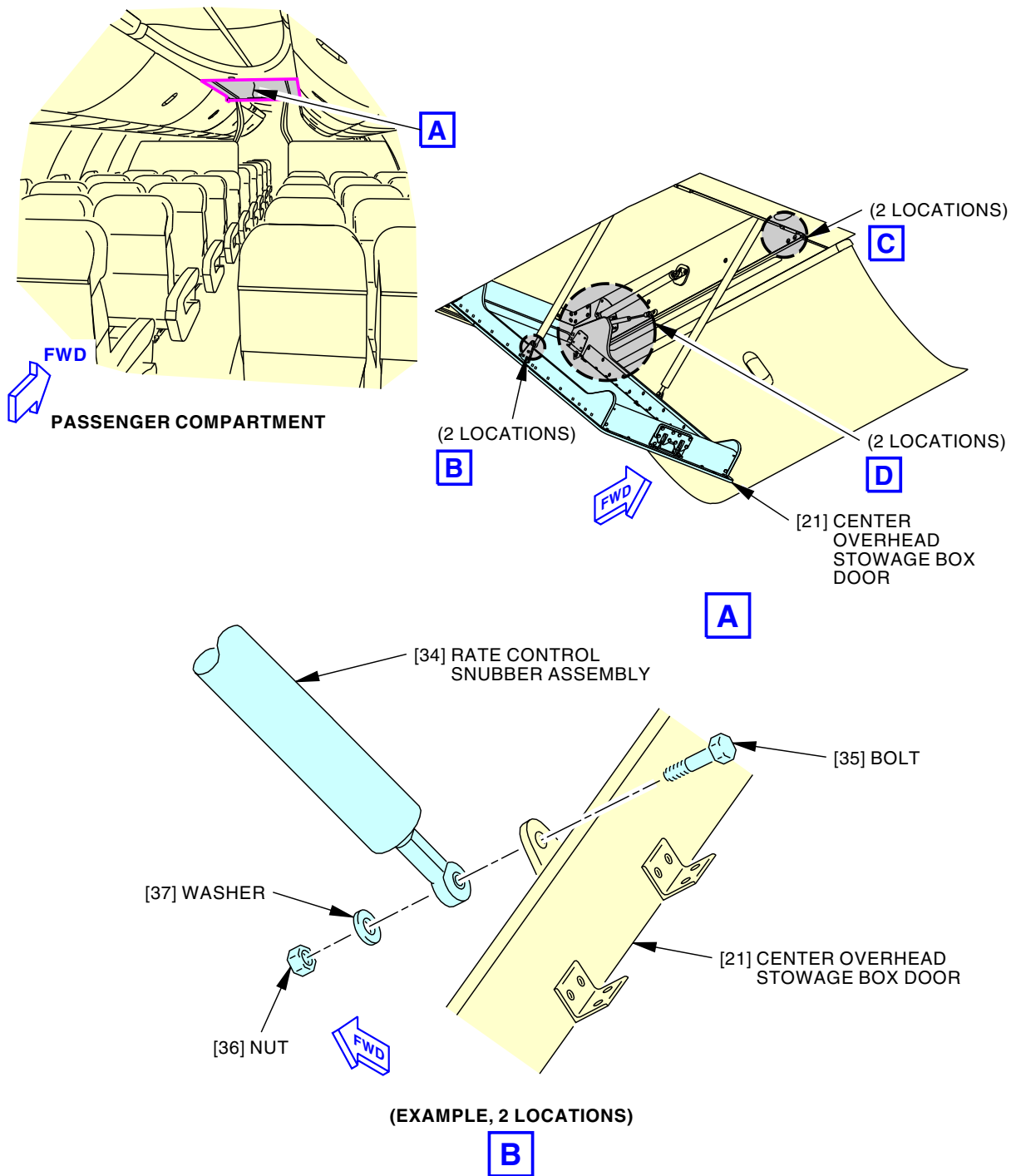
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Center Overhead Stowage Box Actuator and Snubber Installation
Figure 203/25-24-40-990-807 (Sheet 1 of 2)

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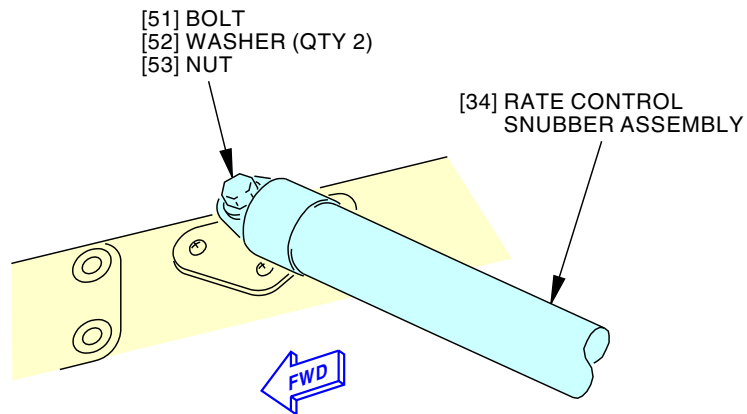
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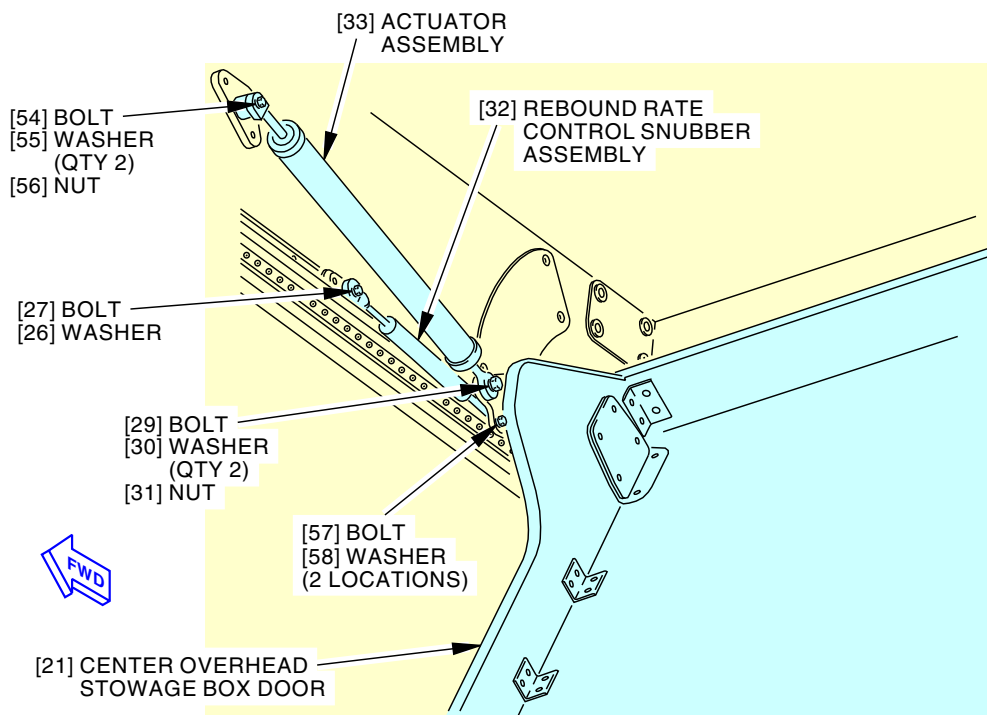


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(EXAMPLE, 2 LOCATIONS)

C



(EXAMPLE, 2 LOCATIONS)

D

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Center Overhead Stowage Box Actuator and Snubber Installation
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TASK 25-24-40-420-803

7. Center Overhead Stowage Box Actuator and Snubber Installation

(Figure 203)

A. General

- (1) This task is for the installation of the actuator and the rate control snubber for the center overhead stowage box.

B. References

Reference	Title
25-21-45-400-801	Main Ceiling Panel - Installation (P/B 401)

C. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

D. Center Overhead Stowage Box Actuator and Snubber Installation

SUBTASK 25-24-40-020-027

- (1) Install the left or right actuator assembly [33] as follows:
 - (a) Hold the actuator assembly [33] into position.
 - (b) Install the bolt [54], two washers [55], and the nut [56] to attach the actuator assembly [33] to the stowage box.
 - (c) Install the bolt [29], two washers [30], and the nut [31] to attach the actuator assembly [33] to the center overhead stowage box door [21].

SUBTASK 25-24-40-020-028

- (2) Install the left or right rebound rate control snubber assembly [32] as follows:
 - (a) Hold the rebound rate control snubber assembly [32].
 - (b) Install the bolt [57] and washer [58] to attach the rebound rate control snubber assembly [32] to the center overhead stowage box door [21].
 - (c) Move the center overhead stowage box door [21] to get access to attach the rebound rate control snubber assembly [32] to the stowage box.
 - (d) Hold the center overhead stowage box door [21].
 - (e) Install the bolt [27] and washer [28] to attach the rebound rate control snubber assembly [32] to the stowage box.

SUBTASK 25-24-40-020-029

- (3) Install the left or right rate control snubber assembly [34] as follows:
 - (a) Hold the rate control snubber assembly [34].
 - (b) Install the bolt [51], two washers [52], and the nut [53] that attach the rate control snubber assembly [34] to the stowage box.
 - (c) Move the center overhead stowage box door [21] to get access to attach the free end of the rate control snubber assembly [34].
 - (d) Hold the center overhead stowage box door [21].
 - (e) Install the bolt [35], washer [37], and the nut [36] to attach the rate control snubber assembly [34] to the center overhead stowage box door [21].

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E. Put the Airplane Back to Its Usual Condition

SUBTASK 25-24-40-010-009

- (1) Install the sculptured ceiling panels (TASK 25-21-45-400-801).

F. Center Overhead Stowage Box Actuator and Snubber Installation Test

SUBTASK 25-24-40-710-008

- (1) Do an operational test to make sure that the center overhead stowage box door [21] operates correctly as follows:
 - (a) Close the center overhead stowage box door [21].
 - (b) Make sure that the center overhead stowage box door [21] is flush with the ceiling.
 - (c) Use the door latch handle [12] to open the center overhead stowage box door [21].
 - (d) Make sure that the center overhead stowage box door [21] opens correctly.

SUBTASK 25-24-40-010-010

- (2) Put the contents back in the stowage box.

SUBTASK 25-24-40-010-011

- (3) Close and latch the center overhead stowage box door [21].

————— END OF TASK —————

TASK 25-24-40-020-804

8. Center Overhead Stowage Box Shroud Removal

(Figure 204)

A. General

- (1) This task is for the removal of the actuator and the rate control snubber for the center overhead stowage box.

B. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

C. Prepare for the Removal

SUBTASK 25-24-40-010-013

- (1) Open the stowage box door with the door latch handle [12] to the full open position.

SUBTASK 25-24-40-010-014

- (2) Remove all contents from the stowage box.

D. Center Overhead Stowage Box Shroud Removal

SUBTASK 25-24-40-010-015

- (1) Remove the screws [60] that attach the shroud assembly [59] to the overhead stowage box.

SUBTASK 25-24-40-020-030

- (2) Carefully remove the shroud assembly [59] from the overhead stowage box.

————— END OF TASK —————

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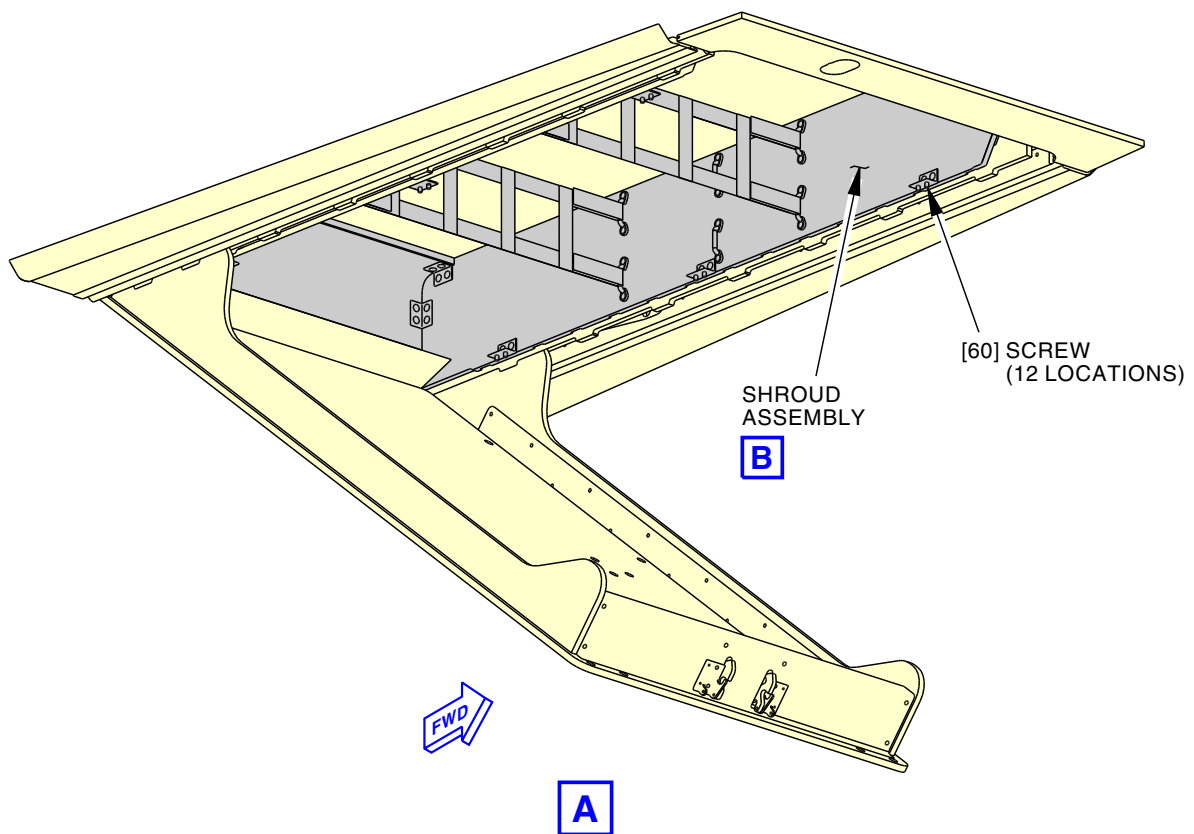
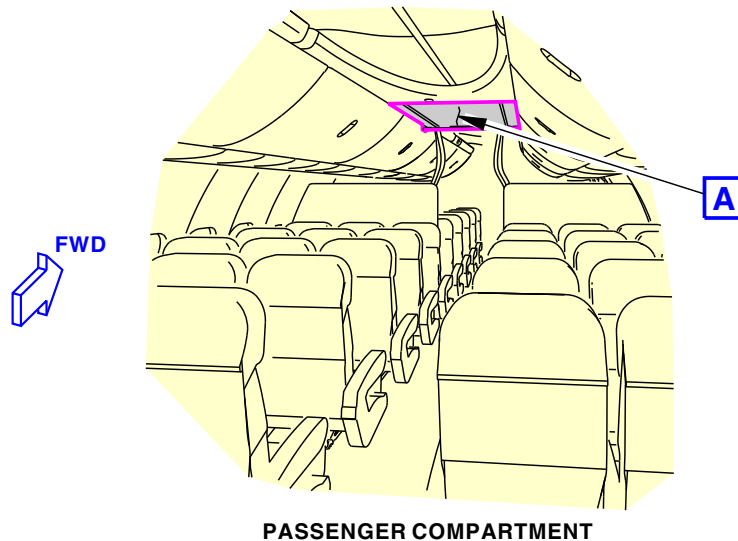
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Center Overhead Stowage Box Shroud Installation
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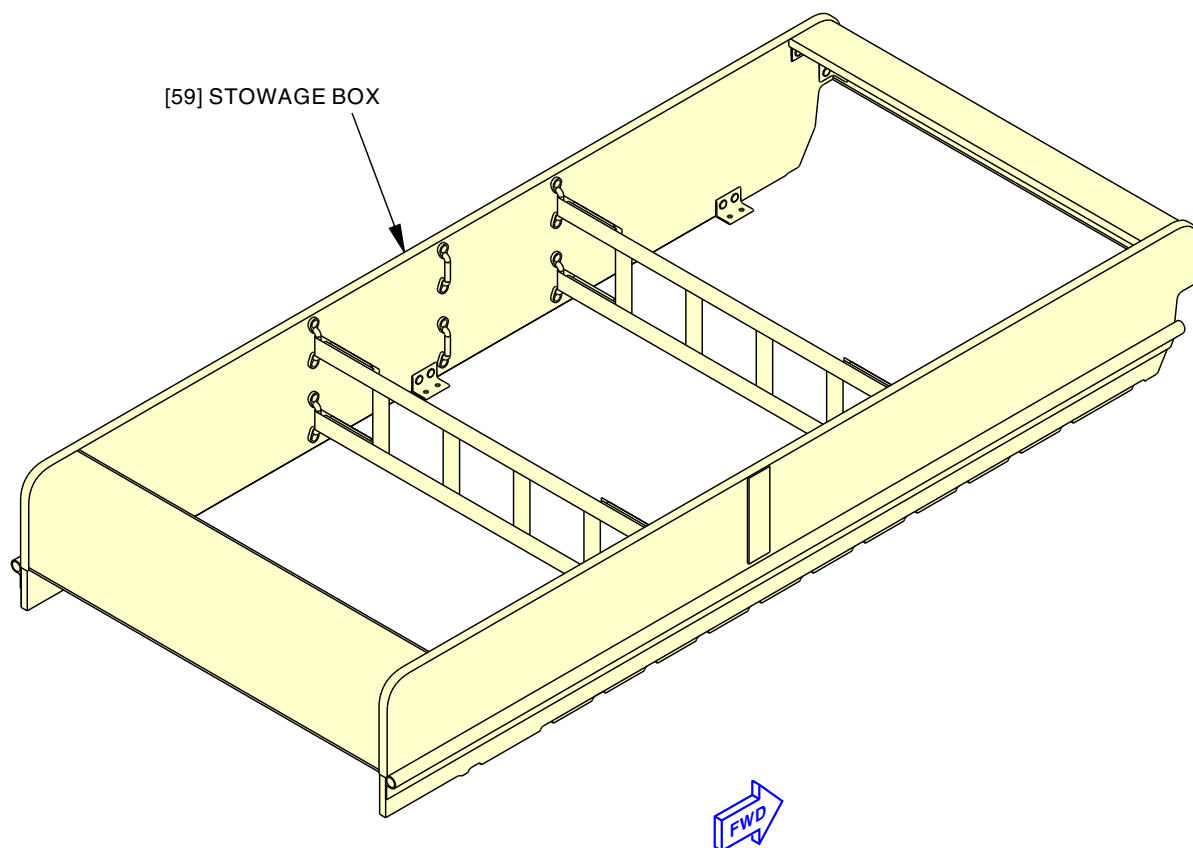
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SHROUD ASSEMBLY

B

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Center Overhead Stowage Box Shroud Installation
Figure 204/25-24-40-990-808 (Sheet 2 of 2)

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SIA ALL

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TASK 25-24-40-420-804

9. Center Overhead Stowage Box Shroud Installation

(Figure 204)

A. General

- (1) This task is for the installation of the actuator and the rate control snubber for the center overhead stowage box.

B. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

C. Center Overhead Stowage Box Shroud Installation

SUBTASK 25-24-40-820-003

- (1) Align the bracket holes of the shroud assembly [59] to the holes on the overhead stowage box.

SUBTASK 25-24-40-420-022

- (2) Install the 12 screws [60] that attach the shroud assembly [59] to the overhead stowage box.

D. Put the Airplane Back to Its Usual Condition

SUBTASK 25-24-40-010-016

- (1) Put the contents back in the stowage box.

SUBTASK 25-24-40-010-017

- (2) Close and latch the center overhead stowage box door [21].

E. Center Overhead Stowage Box Shroud Installation Test

SUBTASK 25-24-40-710-009

- (1) Do an operational test to make sure that the center overhead stowage box door [21] operates correctly as follows:
 - (a) Close the center overhead stowage box door [21].
 - (b) Make sure that the center overhead stowage box door [21] is flush with the ceiling.
 - (c) Use the door latch handle [12] to open the center overhead stowage box door [21].
 - (d) Make sure that the center overhead stowage box door [21] opens correctly.

————— **END OF TASK** —————

EFFECTIVITY
SIA ALL

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CENTER OVERHEAD STOWAGE BOX - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) A removal of the center overhead stowage box
- (2) An installation of the center overhead stowage box
- (3) A removal of the center overhead stowage box door latch
- (4) An installation of the center overhead stowage box door latch
- (5) A removal of the center overhead stowage box door
- (6) An installation of the center overhead stowage box door
- (7) A removal of the center overhead stowage box actuator and snubber
- (8) An installation of the center overhead stowage box actuator and snubber.

TASK 25-24-40-000-801

2. Center Overhead Stowage Box Removal

(Figure 401, Figure 402)

A. **General**

- (1) Two persons are necessary to complete the removal task.

B. **References**

Reference	Title
25-21-45-000-801	Main Ceiling Panel - Removal (P/B 401)
33-22-00-960-804	Ceiling Light, Center Overhead Stowage - LED Light Assembly Replacement (P/B 201)

C. **Location Zones**

Zone	Area
200	Upper Half of Fuselage

D. **Prepare for the Removal**

SUBTASK 25-24-40-020-013

- (1) Remove the contents from the stowage box [59].

SUBTASK 25-24-40-020-014

- (2) If applicable, remove the sculptured ceiling panels near the stowage box [59] (TASK 25-21-45-000-801).

SUBTASK 25-24-40-020-032

- (3) Remove the LED light assembly from the stowage box [59] (TASK 33-22-00-960-804).

SUBTASK 25-24-40-860-001



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (4) Make sure that these circuit breakers are open and have safety tags:

Power Distribution Panel Number 1, P91

Row	Col	Number	Name
E	7	C01937	CEILING LIGHT AFT-L
E	8	C01938	CEILING LIGHT AFT-R
E	9	C00590	CEILING LT-R
E	10	C00591	CEILING LT-L

E. Center Overhead Storage Box Removal

SUBTASK 25-24-40-020-015



BE CAREFUL WHEN YOU MOVE THE COMPONENT. THE COMPONENT IS HEAVY. INJURIES TO PERSONS CAN OCCUR.

- (1) Be careful when you remove the stowage box [59] it weighs approximately 45 lb (20.4 kg).

SUBTASK 25-24-40-020-016



GET SUFFICIENT AID FROM OTHER PERSONNEL AND EQUIPMENT TO HOLD THE COMPONENT DURING THE REMOVAL, AND INSTALLATION. THE COMPONENT IS HEAVY. THIS WILL PREVENT INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) One person is necessary to hold the stowage box [59] and one person to remove the fasteners.

SUBTASK 25-24-40-020-033

- (3) Disconnect the electrical connectors [66].

SUBTASK 25-24-40-020-017

- (4) Disconnect the stowage box [59] from the structure.
 - (a) Remove the bolt [60], washer [61], bushing [63], washer [58], and nut [62] from the tie rod [64].
 - (b) Record and tag the locations of the fasteners for the subsequent installation.
 - (c) Remove the bolts [60], washers [61], bushings [63], washers [58], and nuts [62] from the turnbuckle assemblies.
 - (d) Record and tag the locations of the fasteners for the subsequent installation.

SUBTASK 25-24-40-020-031

- (5) If installed, remove the straps [65] that attach the air distribution duct to the stowage box [59].

SUBTASK 25-24-40-020-018

- (6) Move the two tie rods [64] and turnbuckles from the clevises on stowage box [59].

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SUBTASK 25-24-40-020-019

- (7) Carefully lower the stowage box [59].

SUBTASK 25-24-40-020-034

- (8) If it is necessary, remove the wiring [74] (Figure 402).
- (a) Remove the plastic straps [67] from the clamps [75].
 - (b) Remove the plastic straps [67] from the clamps [70].
 - (c) Remove the screws [69] and clamps [70].
 - (d) Remove the screw [71], spacer [72], and clamp [70].
 - (e) Remove the wiring [74] through the grommets [68].

————— **END OF TASK** —————

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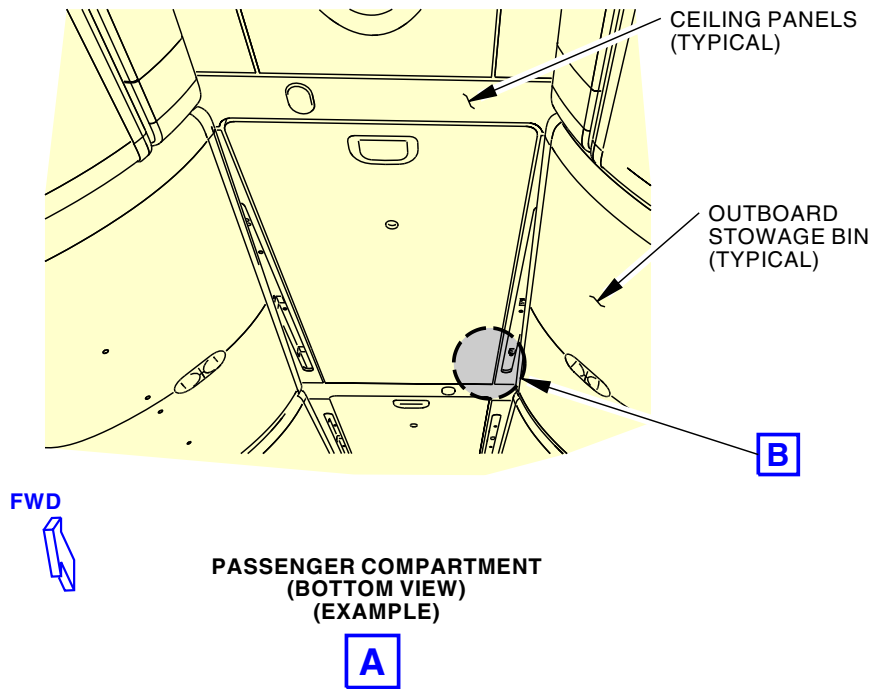
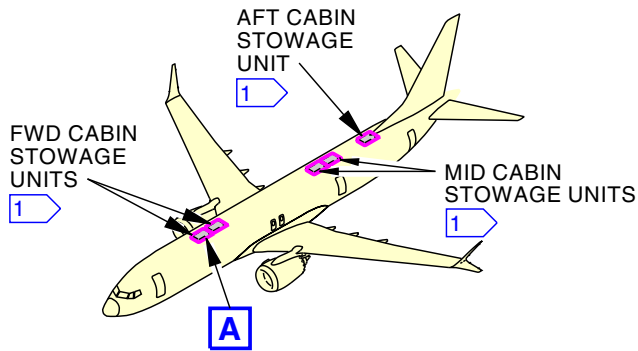
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NOTE:

FORWARD CABIN OVERHEAD STOWAGE UNIT IS SHOWN, MID AND AFT CABIN UNITS ARE EQUIVALENT.

1 IF INSTALLED

2533566 S0000600031_V2

Center Overhead Stowage Box Installation
Figure 401/25-24-40-990-804 (Sheet 1 of 2)

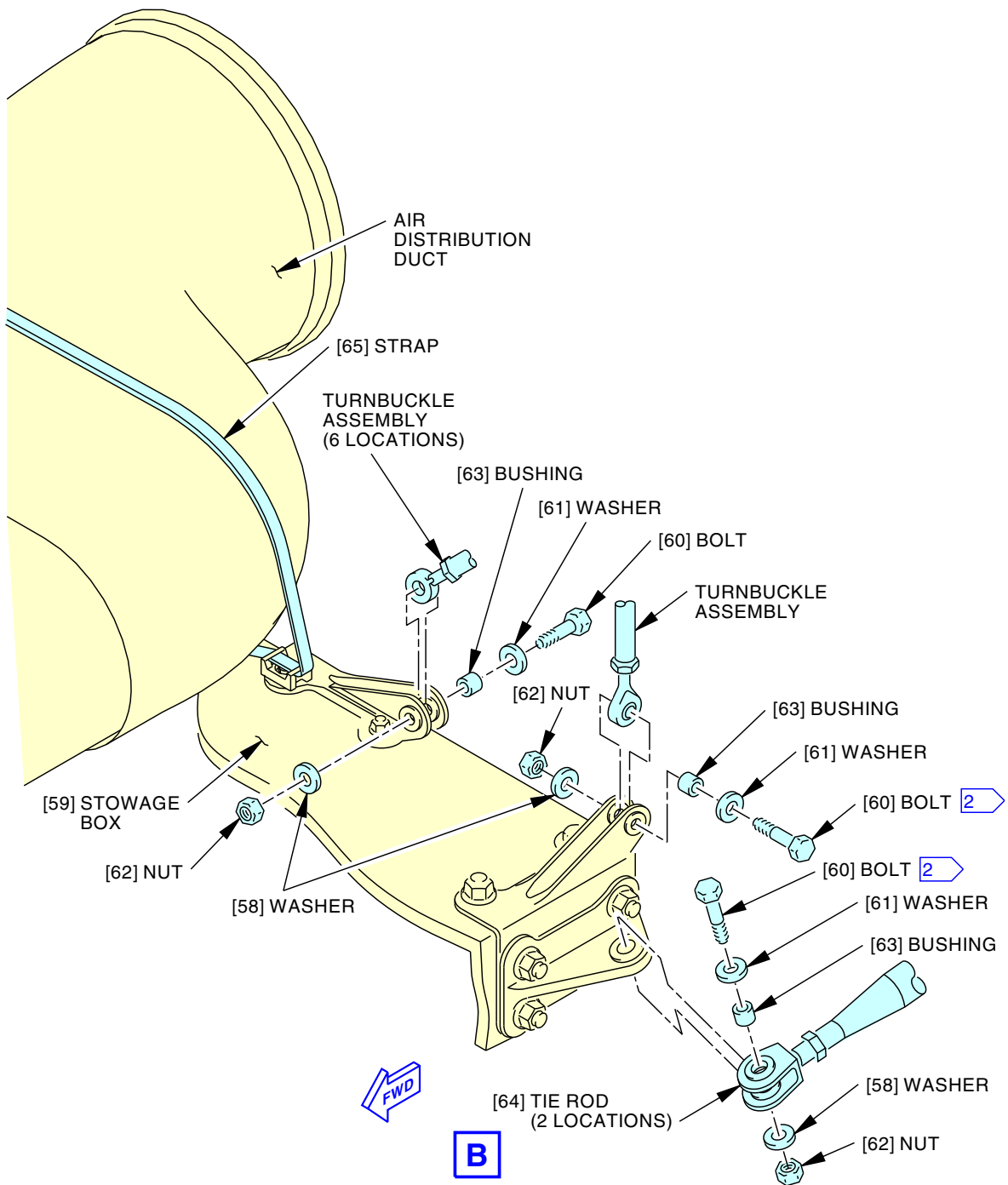
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2 THIS BOLT CAN BE DIFFERENT FROM OTHERS BECAUSE OF DIFFERENT AIRPLANE CONFIGURATIONS.

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Center Overhead Stowage Box Installation
Figure 401/25-24-40-990-804 (Sheet 2 of 2)

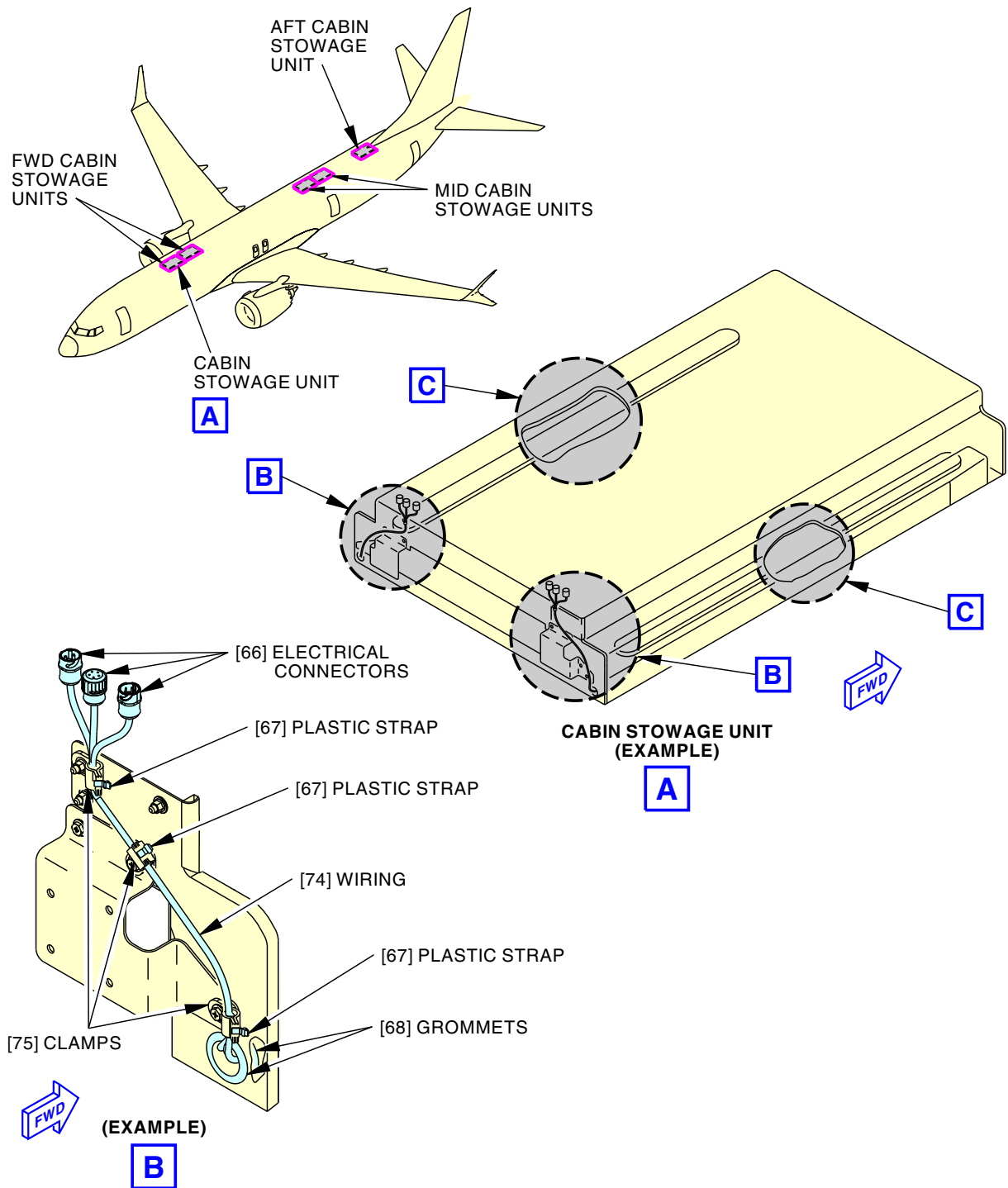
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Wiring Installation
Figure 402/25-24-40-990-809 (Sheet 1 of 2)

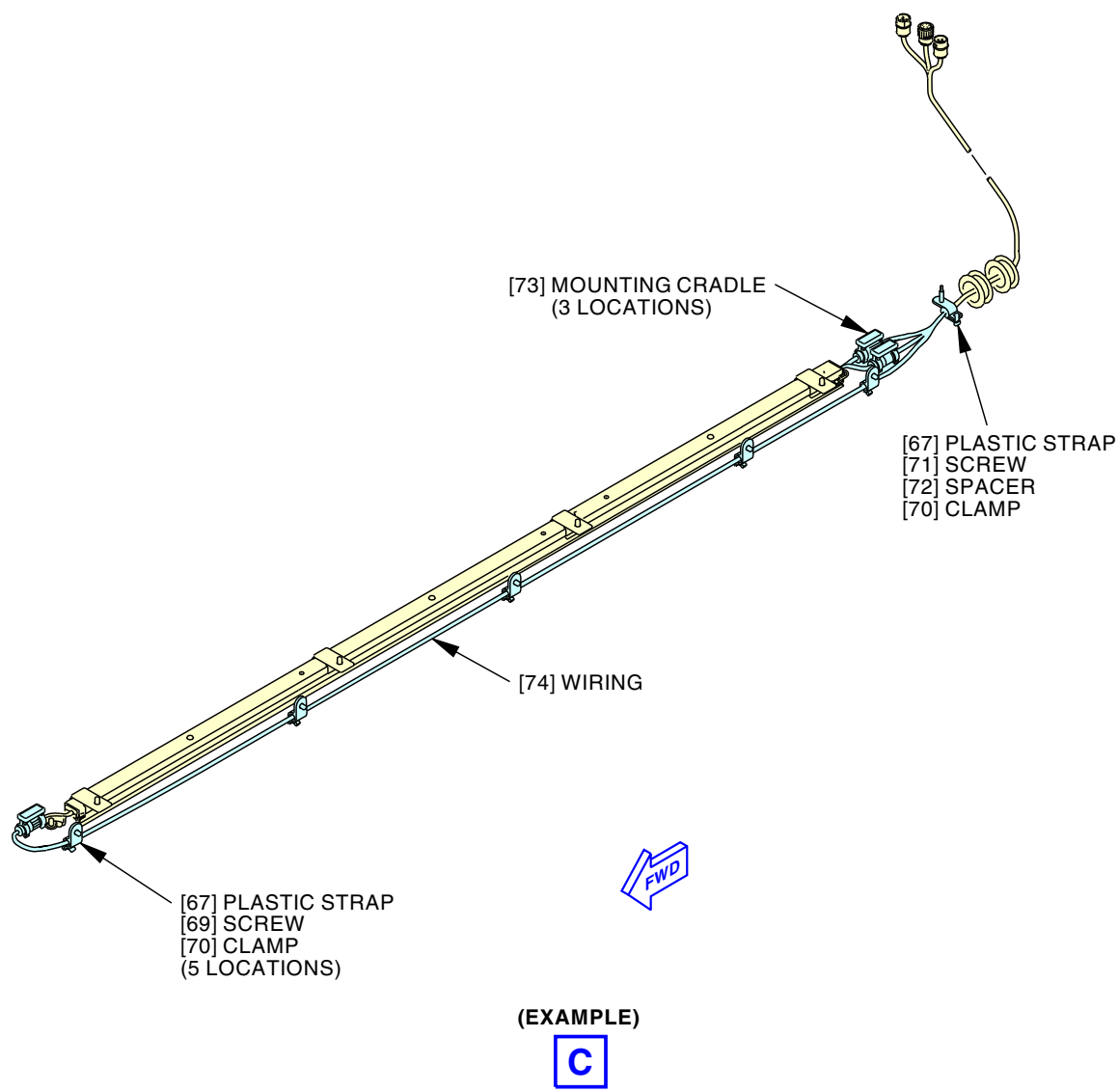
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Wiring Installation
Figure 402/25-24-40-990-809 (Sheet 2 of 2)

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AIRCRAFT MAINTENANCE MANUAL

TASK 25-24-40-400-801

3. Center Overhead Stowage Box Installation

(Figure 401, Figure 402)

A. General

- (1) Two persons are necessary to complete this task.

B. References

Reference	Title
25-21-45-400-801	Main Ceiling Panel - Installation (P/B 401)
33-22-00-960-804	Ceiling Light, Center Overhead Stowage - LED Light Assembly Replacement (P/B 201)

C. Consumable Materials

Reference	Description	Specification
G50809	Strap - Plastic, Adjustable, Self-locking, 5.50 Inches (139.70 mm) Long	BACS38K5

D. Location Zones

Zone	Area
200	Upper Half of Fuselage

E. Center Overhead Stowage Box Installation

SUBTASK 25-24-40-410-009



WARNING

BE CAREFUL WHEN YOU MOVE THE COMPONENT. THE COMPONENT IS HEAVY. INJURIES TO PERSONS CAN OCCUR.

- (1) Be careful when you install the stowage box [59] it weighs approximately 45 lb (20.4 kg).

SUBTASK 25-24-40-410-010



WARNING

GET SUFFICIENT AID FROM OTHER PERSONNEL AND EQUIPMENT TO HOLD THE COMPONENT DURING THE REMOVAL, AND INSTALLATION. THE COMPONENT IS HEAVY. THIS WILL PREVENT INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) One person is necessary to hold the stowage box [59] and one person to install the fasteners.

SUBTASK 25-24-40-410-011

- (3) Align the stowage box [59] in the correct position.

SUBTASK 25-24-40-410-012

- (4) Put the two tie rods [64] and turnbuckles in the clevises on the stowage box [59].

SUBTASK 25-24-40-410-013

- (5) Install the bolts [60], washers [61], bushings [63], washers [58], and nuts [62] to attach the turnbuckle assemblies to the stowage box [59].

SUBTASK 25-24-40-420-015

- (6) Install the bolt [60], washer [61], bushing [63], washer [58], and nut [62] to attach the tie rod [64] to the stowage box [59].

SUBTASK 25-24-40-420-023

- (7) If removed, install the straps [65] that attach the air distribution duct to the stowage box [59].

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- (a) Make sure that the locking collars at the end of the straps are not positioned between the bottom of the air distribution duct and the top of the center overhead stowage unit.

NOTE: This is to prevent gap between the bottom of the air distribution duct and the top of the center overhead stowage unit.

SUBTASK 25-24-40-420-024

- (8) If it is necessary, install the wiring [74] (Figure 402).
- (a) Install the screw [71], spacer [72], and clamp [70].
 - (b) Install the screws [69] and clamps [70].
 - (c) Put the wiring [74] in its position through the grommets [68], clamps [70], and clamps [75].
 - (d) Install the plastic straps [67] (adjustable plastic strap, G50809) to the clamps [70] and clamps [75].

SUBTASK 25-24-40-420-025

- (9) Connect the electrical connectors [66].

F. Put the Airplane Back to Its Usual Condition

SUBTASK 25-24-40-420-016

- (1) Put the contents back in the stowage box [59].

SUBTASK 25-24-40-420-017

- (2) Close and latch the center overhead stowage box door.

SUBTASK 25-24-40-420-026

- (3) Install the LED light assembly to the stowage box [59] (TASK 33-22-00-960-804).

SUBTASK 25-24-40-860-002



WARNING

WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



WARNING

DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (4) Make sure that these circuit breakers are closed:

Power Distribution Panel Number 1, P91

Row	Col	Number	Name
E	7	C01937	CEILING LIGHT AFT-L
E	8	C01938	CEILING LIGHT AFT-R
E	9	C00590	CEILING LT-R
E	10	C00591	CEILING LT-L

EFFECTIVITY
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SUBTASK 25-24-40-420-018

- (5) If removed, install the sculptured ceiling panels adjacent to the stowage box [59] (TASK 25-21-45-400-801).

————— END OF TASK —————

TASK 25-24-40-000-802

4. Center Overhead Stowage Box Door Latch Assembly - Removal

(Figure 403)

A. General

- (1) The center overhead stowage box has an upper assembly box and a lower door assembly.

B. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

C. Prepare for the Removal

SUBTASK 25-24-40-020-001

- (1) Open the stowage box door with the door latch handle [12] to the full open position.

SUBTASK 25-24-40-020-002

- (2) Remove all the contents from the stowage box.

D. Center Overhead Stowage Box Door Latch Assembly Removal

SUBTASK 25-24-40-020-003

- (1) Remove the threshold [5] from the stowage box door.
- (a) Get access to the door latch [6] assembly (view B, Figure 403).
 - (b) Remove the two screws [1] and two spacers [2] to release the shaft [3] from the threshold [5].
 - (c) Remove the shaft [3] from the door latch assembly.
 - (d) Remove the 11 screws [4] that attach the threshold [5] to the stowage box door.
 - (e) Remove the threshold [5] from the stowage box door.

SUBTASK 25-24-40-020-004

- (2) Remove the door handle assembly [11] from the stowage box door (view C, Figure 403).
- (a) Remove the four screws [10] that attach the center bracket [9] to the stowage box door.
 - (b) Remove the two screws [7] and washers [8] that attach the center bracket [9] and the door handle assembly [11] to the stowage box door.
 - (c) Remove the center bracket [9] from the stowage box door.
 - (d) Remove the door handle assembly [11].

————— END OF TASK —————

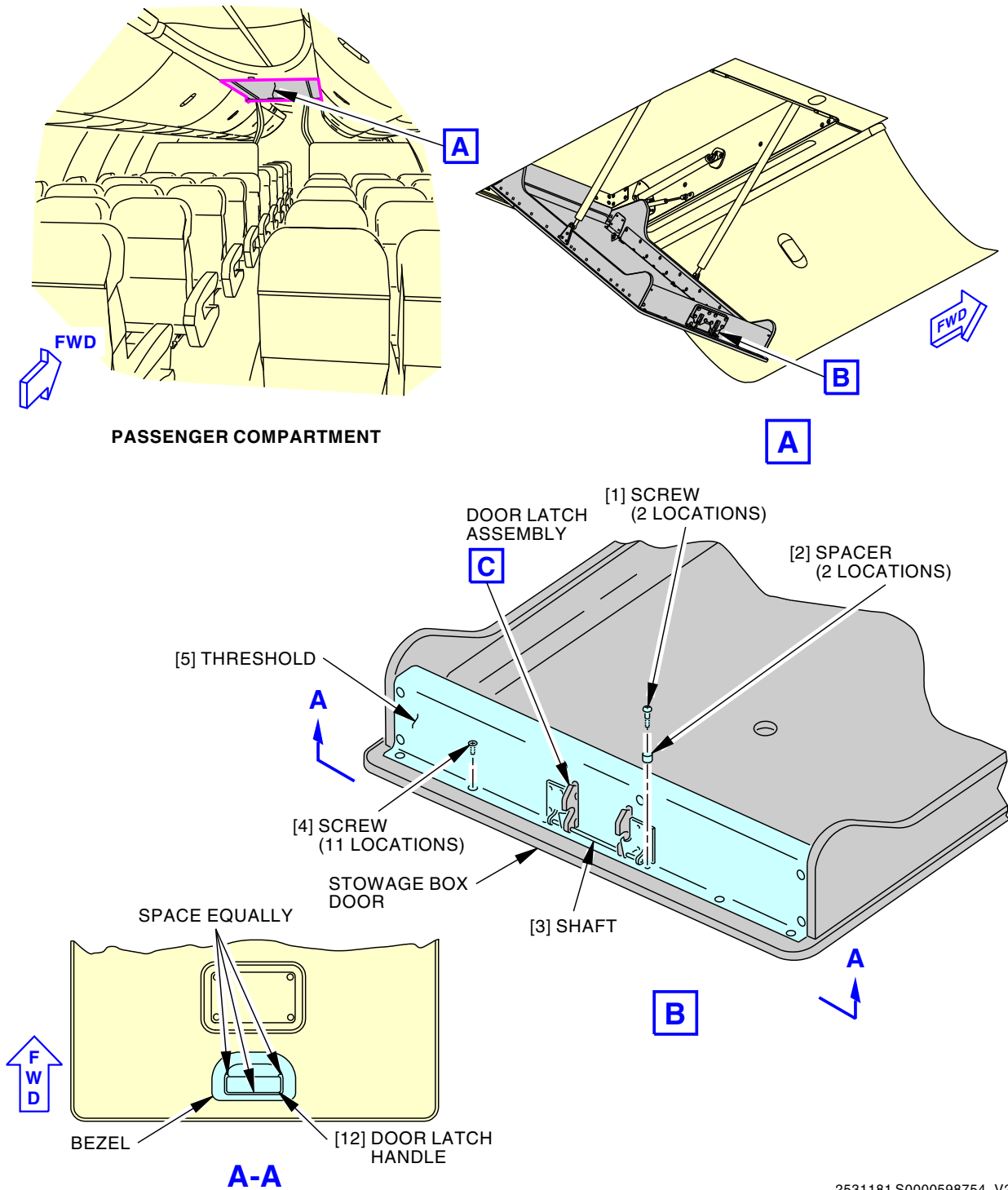
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Center Overhead Stowage Box Door Latch Assembly Installation
Figure 403/25-24-40-990-801 (Sheet 1 of 2)

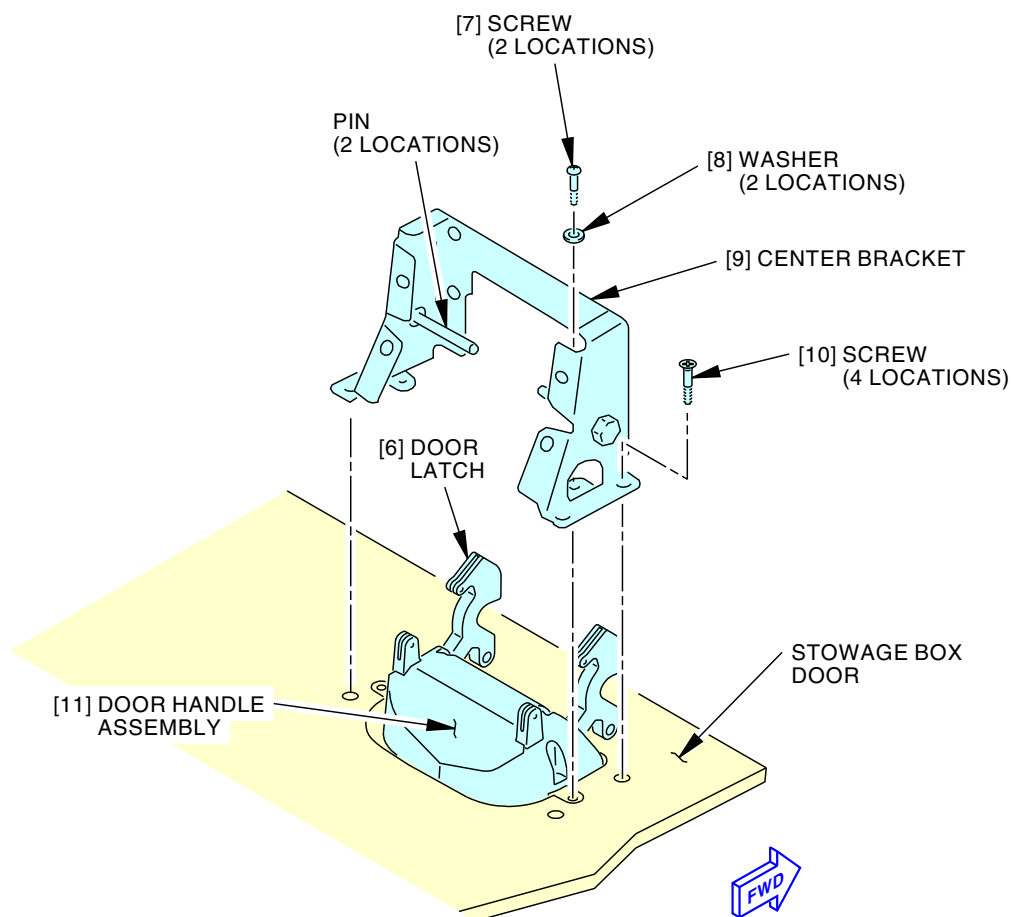
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DOOR LATCH ASSEMBLY

C

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Center Overhead Stowage Box Door Latch Assembly Installation
Figure 403/25-24-40-990-801 (Sheet 2 of 2)

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TASK 25-24-40-400-802

5. Center Overhead Stowage Box Door Latch Assembly - Installation

(Figure 403)

A. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

B. Center Overhead Stowage Box Door Latch Assembly Installation

SUBTASK 25-24-40-420-001

- (1) Install the door handle assembly [11] on the stowage box door (view C, Figure 403).
 - (a) Align the center bracket [9] in the correct location on the stowage box door.
 - (b) Install the four screws [10] to attach the center bracket [9] to the stowage box door.
 - (c) Align the door handle assembly [11] in the cutout on the stowage box door.
 - (d) Install the two screws [7] and washers [8] to attach the center bracket [9] and door handle assembly [11] to the stowage box door.

NOTE: Make sure that the bezel is held tightly to the door, and you can adjust the clearance between the bezel and the door handle.
 - (e) Make sure that the bezel is held tightly and can be adjusted to get the correct clearance between the bezel and the door handle assembly [11].

SUBTASK 25-24-40-420-002

- (2) Install the threshold [5] on the stowage box door.
 - (a) Align the threshold [5] on the stowage box door.
 - (b) Put the shaft [3] through the threshold [5] and the door latch [6] assembly.
 - (c) Install the two screws [1] and spacers [2] to keep the shaft [3] in position.
 - (d) Install the 11 screws [4] to attach the threshold [5] to the stowage box door.

SUBTASK 25-24-40-820-001

- (3) Adjust the bezel to make equal spaces on the perimeter of the door handle assembly [11] (view A-A, Figure 403).

C. Door Latch Assembly Installation Test

SUBTASK 25-24-40-710-001

- (1) Make sure that the door handle assembly [11] operates correctly.
 - (a) Close and open the stowage box door several times:
 - (b) Make sure that the door latch [6] engages and disengages correctly.
 - (c) Close the stowage box door.
 - (d) Make sure that the door handle assembly [11] is flush with the stowage box door.

D. Put the Airplane Back to Its Usual Condition

SUBTASK 25-24-40-840-001

- (1) Put all items back in the stowage box that were removed.

————— END OF TASK —————

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TASK 25-24-40-000-803

6. Center Overhead Stowage Box Door - Removal

(Figure 404)

A. General

- (1) The center overhead stowage box has an upper assembly box and a lower door assembly.

B. References

Reference	Title
33-22-00-960-804	Ceiling Light, Center Overhead Stowage - LED Light Assembly Replacement (P/B 201)

C. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

D. Prepare for the Removal

SUBTASK 25-24-40-020-012

- (1) Remove the LED light assembly, if necessary (TASK 33-22-00-960-804).

SUBTASK 25-24-40-020-005

- (2) Open the center overhead stowage box door [21] with the door latch handle [12] to the full open position.

SUBTASK 25-24-40-020-006

- (3) Remove all the contents from inside the center overhead stowage box door [21].

E. Center Overhead Stowage Box Door Removal

SUBTASK 25-24-40-020-007

- (1) Remove the two bolts [27] and washers [28] that attach the rebound rate control snubber assembly [32] to the stowage box.

SUBTASK 25-24-40-020-008

- (2) Remove the two bolts [35], washers [37], and nuts [36] that attach the two rate control snubber assemblies [34] to the center overhead stowage box door [21].

SUBTASK 25-24-40-020-009

- (3) Lower the center overhead stowage box door [21] to a near vertical position.

SUBTASK 25-24-40-020-010

- (4) Remove the bolt [29], two washers [30], and nut [31] that attach the two actuator assemblies [33] to the center overhead stowage box door [21].

SUBTASK 25-24-40-020-011

- (5) Remove the center overhead stowage box door [21] from the center overhead stowage box assembly.
- (a) Support the center overhead stowage box door [21].
 - (b) Remove the four bolts [25] from the hinge pivot pins [26] installed on the left and right side of the center overhead stowage box door [21].
 - (c) Remove the hinge pivot pin [26], damper [24], washer [23], and bushing [22] from the left and right side of the center overhead stowage box door [21].
 - (d) Carefully remove the center overhead stowage box door [21] from the stowage box.

————— END OF TASK —————

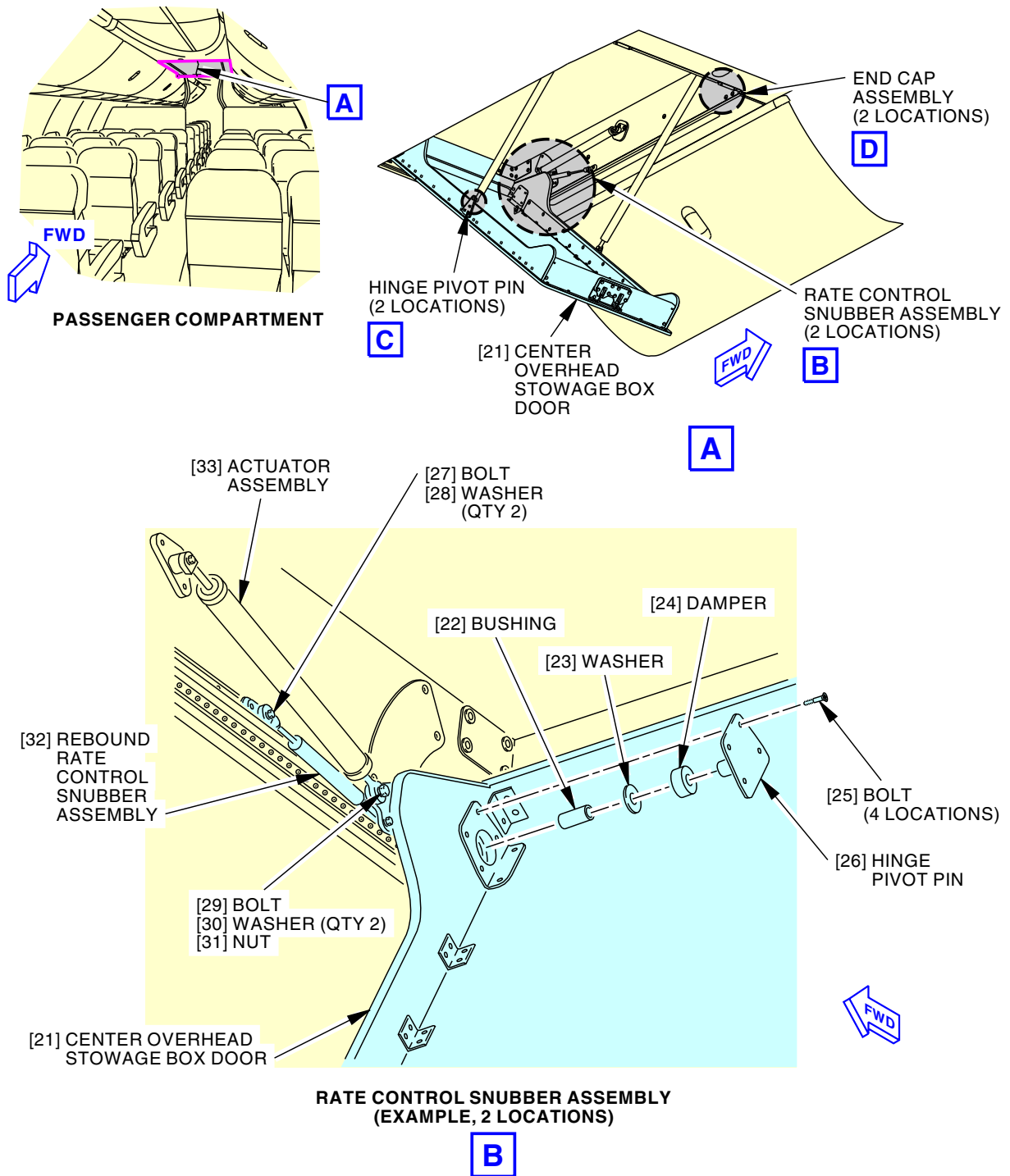
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Center Overhead Stowage Box Door Installation
Figure 404/25-24-40-990-802 (Sheet 1 of 2)

EFFECTIVITY
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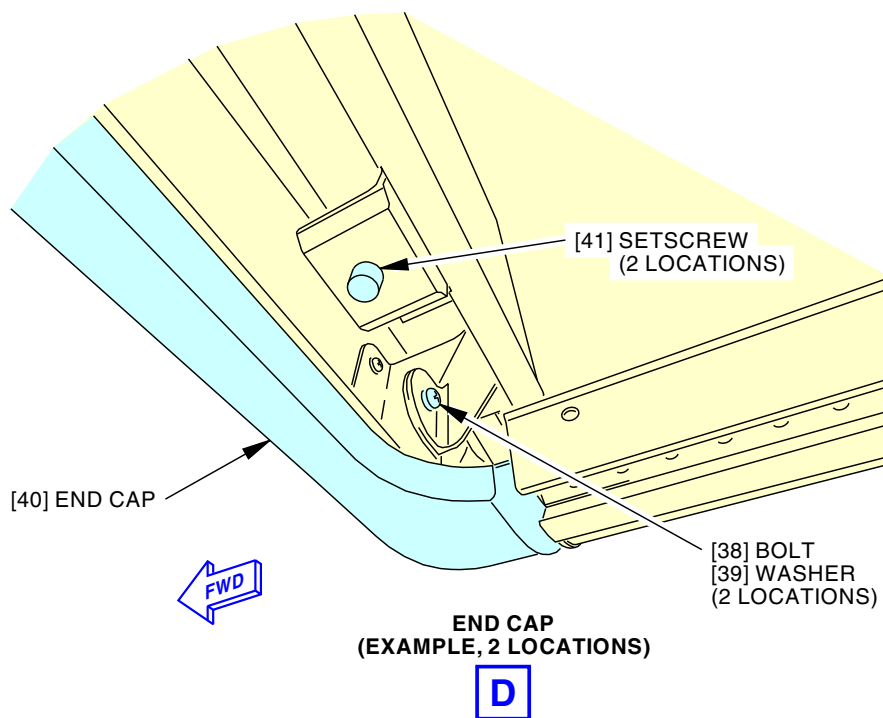
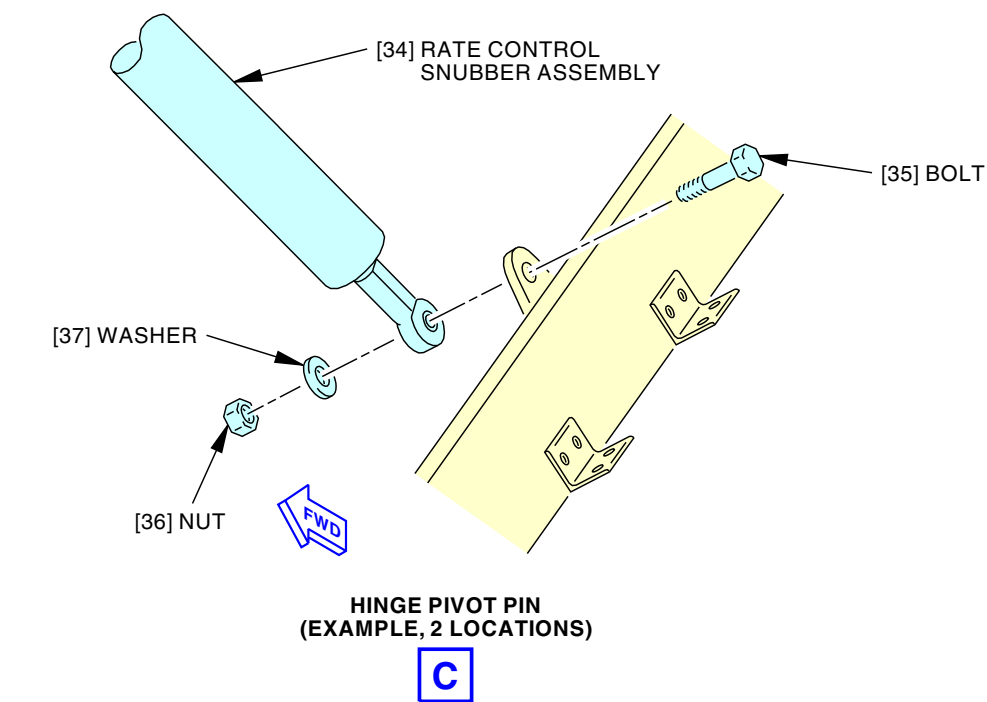
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2531314 S0000598842_V2

Center Overhead Stowage Box Door Installation
Figure 404/25-24-40-990-802 (Sheet 2 of 2)

EFFECTIVITY
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TASK 25-24-40-400-803

7. **Center Overhead Stowage Box Door - Installation**

(Figure 404)

A. References

Reference	Title
33-22-00-960-804	Ceiling Light, Center Overhead Stowage - LED Light Assembly Replacement (P/B 201)

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
32	Rebound rate control snubber assembly	25-24-40-01-100	SIA ALL
		25-24-40-02-093	SIA ALL
		25-24-40-03-370	SIA ALL
		25-24-40-04-395	SIA ALL
33	Actuator assembly	25-24-40-01-095	SIA ALL
		25-24-40-02-090	SIA ALL
		25-24-40-03-365	SIA ALL
		25-24-40-04-390	SIA ALL
34	Rate control snubber assembly	25-24-40-01-090	SIA ALL
		25-24-40-02-087	SIA ALL
		25-24-40-03-360	SIA ALL
		25-24-40-04-385	SIA ALL

C. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

D. Center Overhead Stowage Box Door Installation

SUBTASK 25-24-40-420-003

- (1) Install the center overhead stowage box door [21] on the center overhead stowage box assembly.
 - (a) Support the center overhead stowage box door [21] in the correct position.
 - (b) Install the hinge pivot pin [26], damper [24], washer [23], and bushing [22] on the left and right side of the center overhead stowage box door [21].
 - (c) Install the four bolts [25] to attach the hinge pivot pins [26] on the left and right side of the center overhead stowage box door [21].

SUBTASK 25-24-40-420-004

- (2) Install the bolt [29], two washers [30], and nut [31] to attach the left and right actuator assemblies [33] to the center overhead stowage box door [21].

SUBTASK 25-24-40-420-005

- (3) Install the two bolts [35], washers [37], and nuts [36] to attach the left and right rate control snubber assemblies [34] to the center overhead stowage box door [21].

SUBTASK 25-24-40-420-006

- (4) Install the two bolts [27] and washers [28] to attach the left and right rebound rate control snubber assemblies [32] to the center overhead stowage box door [21].

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E. Center Overhead Stowage Box Door Installation Test

SUBTASK 25-24-40-710-002

- (1) Do an installation test of the center overhead stowage box door [21].
 - (a) Close and open the center overhead stowage box door [21] two or three times.
 - (b) Make sure that the door touches the left and right door stops equally.
 - (c) Adjust the center overhead stowage box door [21].
 - 1) Hold the end cap [40] on the center overhead stowage box door [21].
 - 2) Remove the bolt [38] and washer [39] that attach the left and right end caps [40] to the center overhead stowage box door [21].
 - 3) Turn the setscrew [41] to get the correct door flushness.

SUBTASK 25-24-40-710-003

- (2) Do an installation test of the door handle assembly [11].
 - (a) Open and close the center overhead stowage box door [21] two or three times.
 - (b) Make sure that the door latch [6] engages and disengages correctly.
 - (c) Close the center overhead stowage box door [21].
 - (d) Make sure that the door latch handle [12] is flush with the center overhead stowage box door [21].
 - (e) Adjust the center overhead stowage box door [21].
 - 1) Make sure that there are even gaps between the door latch handle [12] and the bezel.
 - 2) Operate the door handle assembly [11] to make sure that the door latch handle [12] operates correctly.

F. Put the Airplane Back to its Usual Condition

SUBTASK 25-24-40-420-007

- (1) Put the contents back in the center overhead stowage box door [21].

SUBTASK 25-24-40-420-008

- (2) Install the LED light assembly, if removed (TASK 33-22-00-960-804).

SUBTASK 25-24-40-420-009

- (3) Close and latch the center overhead stowage box door [21].

————— END OF TASK —————

TASK 25-24-40-000-804

8. Center Overhead Stowage Box Actuator and Snubber - Removal

(Figure 405)

A. General

- (1) The center overhead stowage box assembly has an actuator, a rate control snubber, and a rebound rate control snubber installed on the right and left side of the stowage box that helps open and close the center overhead stowage box door easily.

B. References

Reference	Title
25-21-45-000-801	Main Ceiling Panel - Removal (P/B 401)

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C. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

D. Prepare for the Removal

SUBTASK 25-24-40-410-001

- (1) Remove the contents stored in the center overhead stowage box door [21].

SUBTASK 25-24-40-410-002

- (2) If applicable, remove the sculptured ceiling panels near the center overhead stowage box door [21] (TASK 25-21-45-000-801).

E. Center Overhead Stowage Box Actuator and Snubber Removal

SUBTASK 25-24-40-410-003

- (1) Remove the right and left rebound rate control snubber assembly [32] and the rate control snubber assembly [34].
 - (a) Remove the bolt [27] and the washer [28] that attach the rebound rate control snubber assembly [32] to the stowage box.
 - (b) Remove the bolt [35], washer [37], and nut [36] that attach the rate control snubber assemblies [34] to the center overhead stowage box door [21].

SUBTASK 25-24-40-410-004

- (2) Lower the center overhead stowage box door [21] to a near vertical position.

SUBTASK 25-24-40-410-005

- (3) Remove the right and left rate control snubber assembly [34].
 - (a) Remove the bolt [51], two washers [52], and nut [53] that attach the rate control snubber assembly [34] to the stowage box.

NOTE: Access to the washers and nut is above the side panel of the center overhead stowage box door.
 - (b) Remove the rate control snubber assembly [34] from the stowage box.

SUBTASK 25-24-40-410-006

- (4) Remove the right and left rebound rate control snubber assembly [32].
 - (a) Remove the bolt [57] and the washer [58] that attach the rebound rate control snubber assembly [32] to the center overhead stowage box door [21].
 - (b) Remove the rebound rate control snubber assembly [32] from the stowage box.

SUBTASK 25-24-40-410-007

- (5) Remove the right and left actuator assembly [33].
 - (a) Hold the center overhead stowage box door [21].
 - (b) Remove the bolt [29], two washers [30], and nut [31] that attach the actuator assembly [33] to the center overhead stowage box door [21].
 - (c) Remove the bolt [54], two washers [55], and nut [56] that attach the actuator assembly [33] to the stowage box.

NOTE: Access to the nut and washer is above the side panel of the stowage box.
 - (d) Remove the actuator assembly [33] from the stowage box.

————— **END OF TASK** —————

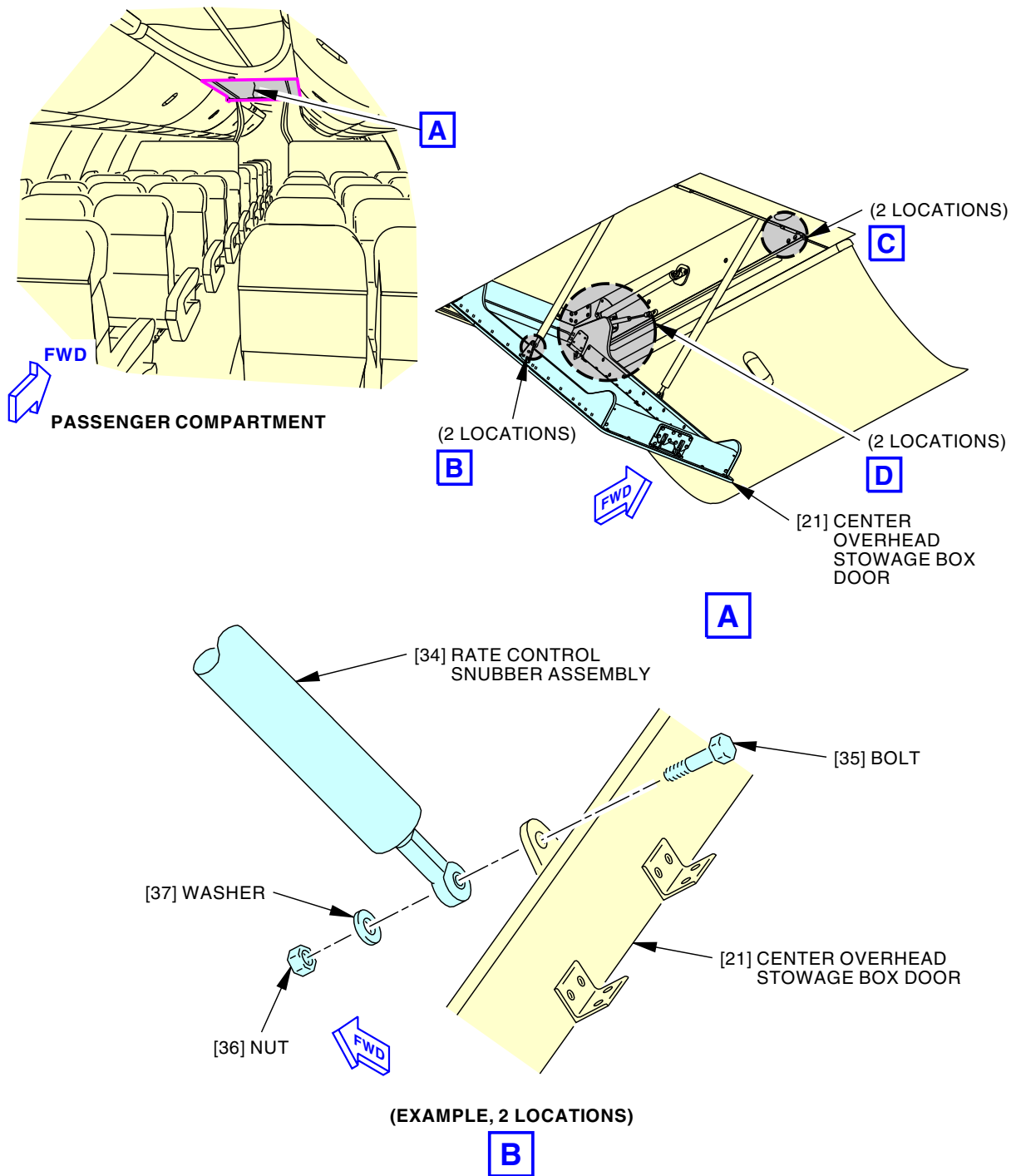
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Center Overhead Stowage Box Actuator and Snubber Installation
Figure 405/25-24-40-990-803 (Sheet 1 of 2)

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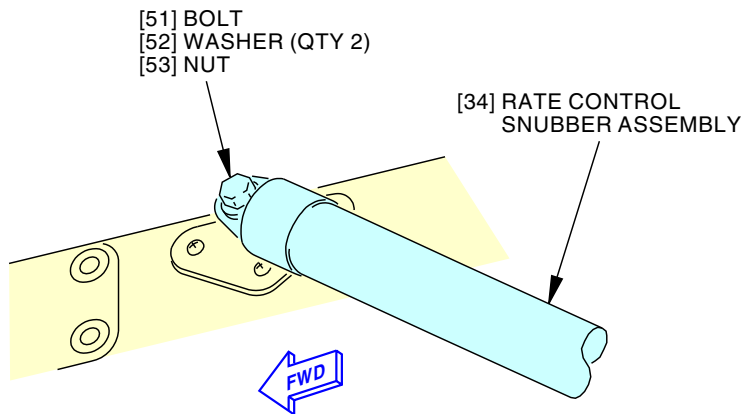
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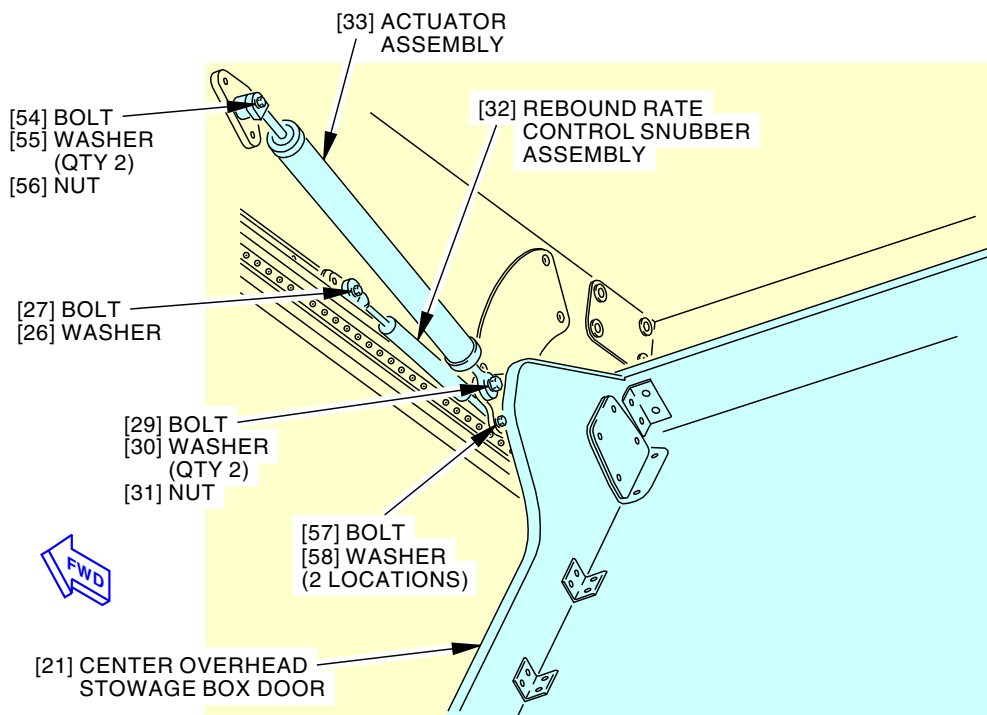


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(EXAMPLE, 2 LOCATIONS)

C



(EXAMPLE, 2 LOCATIONS)

D

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Center Overhead Stowage Box Actuator and Snubber Installation
Figure 405/25-24-40-990-803 (Sheet 2 of 2)

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TASK 25-24-40-400-804

9. Center Overhead Stowage Box Actuator and Snubber - Installation

(Figure 405)

A. References

Reference	Title
25-21-45-400-801	Main Ceiling Panel - Installation (P/B 401)

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
32	Rebound rate control snubber assembly	25-24-40-01-100	SIA ALL
		25-24-40-02-093	SIA ALL
		25-24-40-03-370	SIA ALL
		25-24-40-04-395	SIA ALL
33	Actuator assembly	25-24-40-01-095	SIA ALL
		25-24-40-02-090	SIA ALL
		25-24-40-03-365	SIA ALL
		25-24-40-04-390	SIA ALL
34	Rate control snubber assembly	25-24-40-01-090	SIA ALL
		25-24-40-02-087	SIA ALL
		25-24-40-03-360	SIA ALL
		25-24-40-04-385	SIA ALL

C. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

D. Center Overhead Stowage Box Actuator and Snubber Installation

SUBTASK 25-24-40-420-010

- (1) Install the right and left actuator assemblies [33].
 - (a) Hold the actuator assembly [33] in the correct position.
 - (b) Install the bolt [54], two washers [55], and nut [56] to attach the actuator assembly [33] to the stowage box.
 - (c) Install the bolt [29], two washers [30], and nut [31] to attach the actuator assembly [33] to the center overhead stowage box door [21].

SUBTASK 25-24-40-420-011

- (2) Install the right and left rebound rate control snubber assemblies [32].
 - (a) Hold the rebound rate control snubber assembly [32].
 - (b) Install the bolt [57] and washer [58] to attach the rebound rate control snubber assembly [32] to the center overhead stowage box door [21].
 - (c) Move the center overhead stowage box door [21] to get access to attach the rebound rate control snubber assembly [32] to the stowage box.
 - (d) Hold the center overhead stowage box door [21].
 - (e) Install the bolt [27] and washer [28] to attach the rebound rate control snubber assembly [32] to the stowage box.

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SUBTASK 25-24-40-420-012

- (3) Install the right and left rate control snubber assemblies [34].
 - (a) Hold the rebound rate control snubber assembly [32].
 - (b) Install the bolt [51], two washers [52], and nut [53] to attach the rate control snubber assembly [34] to the stowage box.
 - (c) Move the center overhead stowage box door [21] to get access to attach the free end of the rate control snubber assembly [34].
 - (d) Hold the center overhead stowage box door [21]
 - (e) Install the bolt [35], washer [37], and nut [36] to attach the rate control snubber assembly [34] to the center overhead stowage box door [21].

SUBTASK 25-24-40-710-004

- (4) Do an operational test to make sure that the center overhead stowage box door [21] operates correctly.
 - (a) Close the center overhead stowage box door [21].
 - (b) Make sure that the center overhead stowage box door [21] is flush with the ceiling.
 - (c) Use the door latch handle [12] to open the center overhead stowage box door [21].
 - (d) Make sure that the center overhead stowage box door [21] opens correctly.

E. Put the Airplane Back to its Usual Condition

SUBTASK 25-24-40-420-013

- (1) Put the contents back in the stowage box.

SUBTASK 25-24-40-410-008

- (2) Close and latch the center overhead stowage box door [21].

SUBTASK 25-24-40-420-014

- (3) If removed, install the sculptured ceiling panels (TASK 25-21-45-400-801).

————— **END OF TASK** —————

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CABIN ATTENDANT SEAT - REMOVAL/INSTALLATION

1. **General**

- A. This procedure contains these tasks:
- (1) Cabin Attendant Seat Removal
 - (2) Cabin Attendant Seat Installation.

TASK 25-25-12-000-801

2. **Cabin Attendant Seat Removal**

(Figure 401)

A. **References**

Reference	Title
23-42-01-000-802	Attendant Handset Cord Removal (P/B 401)

B. **Location Zones**

Zone	Area
221	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Left
241	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Left
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

C. **Prepare for the Removal**

SUBTASK 25-25-12-010-003

- (1) Remove the upper backrest cushion:
 - (a) Pull the Velcro on the upper backrest cushion loose.
 - (b) Pull the bottom of the upper backrest cushion away from the attendant seat.

SUBTASK 25-25-12-010-004

- (2) Disconnect the attendant handset cord (TASK 23-42-01-000-802).

SUBTASK 25-25-12-410-002

- (3) Install the upper backrest cushion.

D. **Double Cabin Attendant Seat Removal**

SUBTASK 25-25-12-020-001

- (1) Remove the two headrests [4].

NOTE: The headrests are attached to the Velcro on the partition wall.

SUBTASK 25-25-12-020-005

- (2) Remove the four hex head bolts [2] and washers [3] that attach the inertia reel bracket to the partition wall.

SUBTASK 25-25-12-020-002

- (3) Open the storage compartment doors below the seat pan.

SUBTASK 25-25-12-020-006

- (4) Remove the six hex head bolts [2] and washers [3] that attach the attendant seat [1] to the partition wall.

SUBTASK 25-25-12-010-001

- (5) Open the two lower backrest cushions:
 - (a) Lower the seat pan a small distance.

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- (b) Pull the fabric flap Velcro on the lower backrest cushion away from the upper backrest cushion to expose the release knobs.
- (c) Pull and then slide the release knobs toward each other to disengage the lower backrest cushion.
- (d) Pull the lower backrest cushions down on the seat pan.

SUBTASK 25-25-12-020-003

- (6) Remove the two hex head bolts [2] and washers [3] from the mounting brackets.

SUBTASK 25-25-12-020-004

- (7) Remove the attendant seat [1].

———— **END OF TASK** ————

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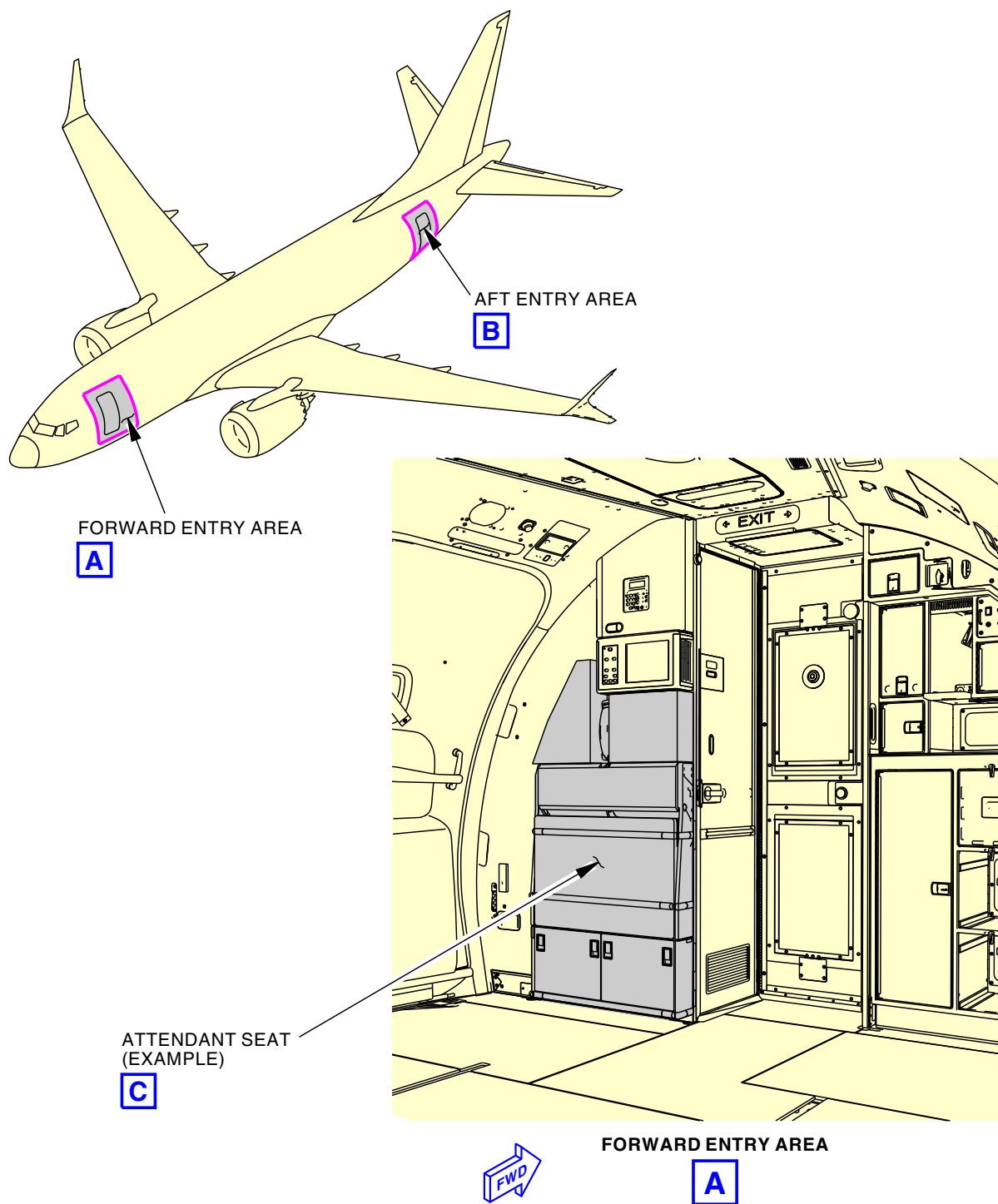
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Cabin Attendant Seats Installation
Figure 401/25-25-12-990-801 (Sheet 1 of 2)

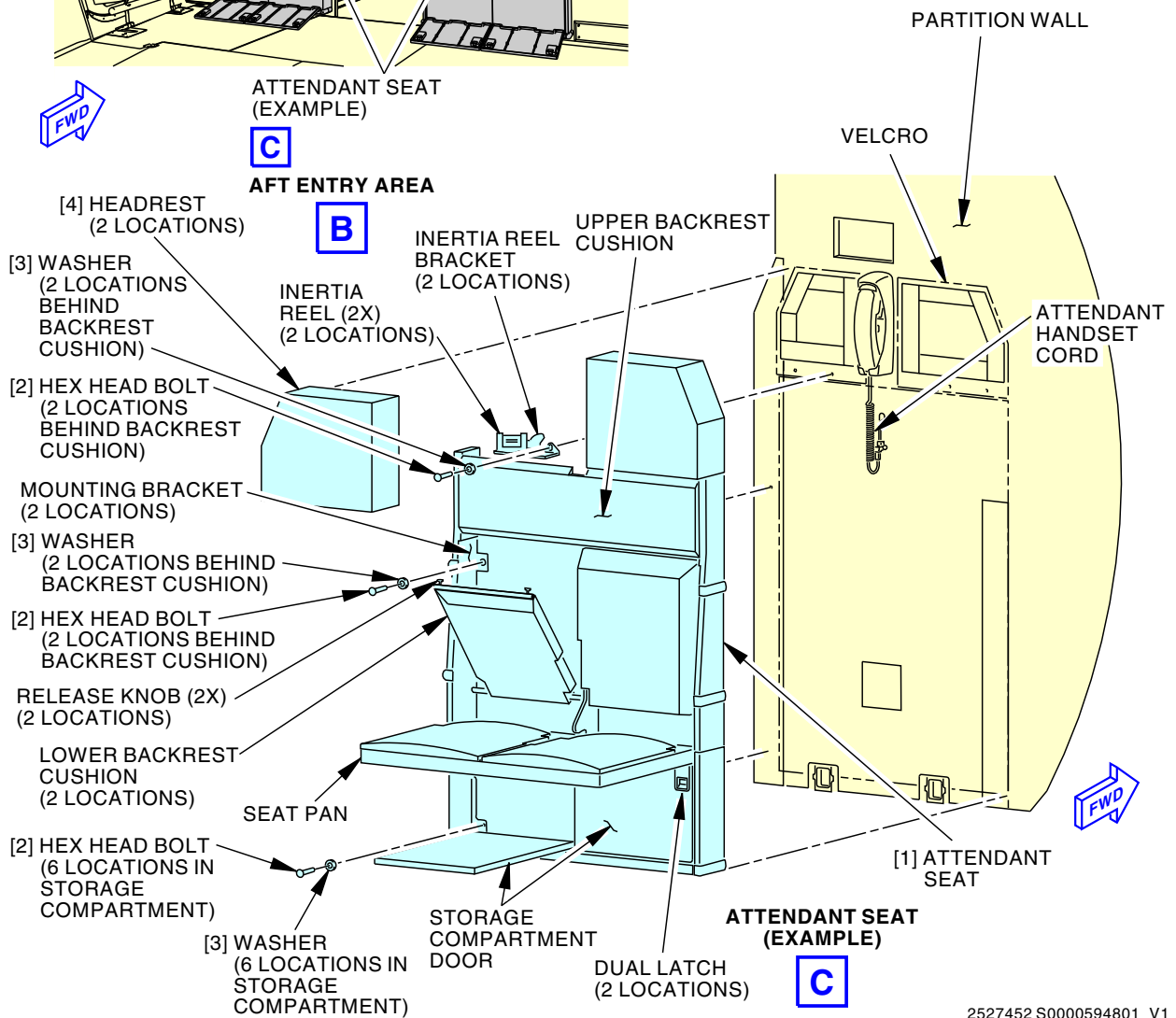
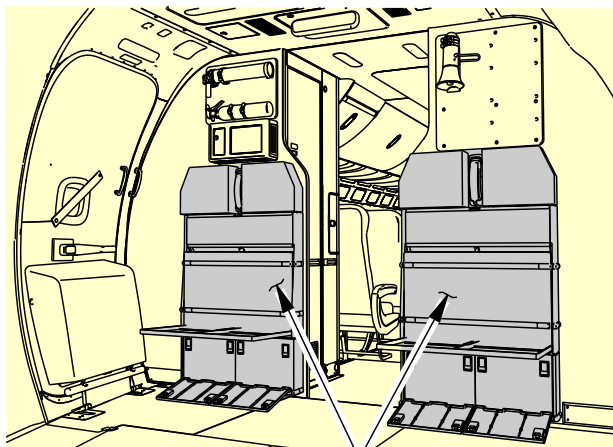
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Cabin Attendant Seats Installation
Figure 401/25-25-12-990-801 (Sheet 2 of 2)

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TASK 25-25-12-400-801

3. **Cabin Attendant Seat Installation**

(Figure 401)

A. References

Reference	Title
23-42-01-000-802	Attendant Handset Cord Removal (P/B 401)
23-42-01-400-802	Attendant Handset Cord Installation (P/B 401)

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Attendant seat	25-25-12-21A-025	SIA ALL

C. Location Zones

Zone	Area
221	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Left
241	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Left
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

D. Prepare for the Installation

SUBTASK 25-25-12-010-005

- (1) Make sure that the attendant handset cord is disconnected from the partition wall (TASK 23-42-01-000-802).

E. Double Cabin Attendant Seat Installation

SUBTASK 25-25-12-420-001

- (1) Align the attendant seat [1] in its position on the partition wall and open the storage compartment doors below the seat pan.

NOTE: The attendant seat will need to be lifted approximately 1.5 in. (3.8 cm) to align the mounting holes to the partition wall.

SUBTASK 25-25-12-420-002

- (2) Install the six hex head bolts [2] and washers [3] in the storage compartment.
 - (a) Hand tighten the hex head bolts [2].

SUBTASK 25-25-12-420-006

- (3) Install the four hex head bolts [2] and washers [3] to attach the inertia reel bracket to the partition wall.

NOTE: The mounting holes on the inertia reel brackets are behind the inertia reels.

- (a) Hand tighten the hex head bolts [2].

SUBTASK 25-25-12-010-002

- (4) Open the lower backrest cushion:
 - (a) Lower the seat pan a small distance.
 - (b) Pull the fabric flap Velcro on the lower backrest cushion away from the upper backrest cushion to expose the release knobs.
 - (c) Pull and then slide the release knobs toward each other to disengage the lower backrest cushion.
 - (d) Pull the lower backrest cushions down onto the seat pan.

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SUBTASK 25-25-12-420-003

- (5) Install the two hex head bolts [2] and washers [3] to attach the mounting brackets to the partition wall.
 - (a) Hand tighten the hex head bolts [2].

SUBTASK 25-25-12-420-007

- (6) Tighten the 12 hex head bolts [2] to 60 ± 10 in-lb (6.8 ± 1.2 N·m).

SUBTASK 25-25-12-410-001

- (7) Close the lower backrest cushion:
 - (a) Lift the lower back cushion up and slide the release knobs outward.
 - (b) Attach the fabric flap Velcro on the lower backrest cushion.
 - (c) Close the seat pan.

SUBTASK 25-25-12-420-005

- (8) Install the two headrests [4] on the partition wall.

NOTE: The headrests are attached to a Velcro strip.

 - (a) Make sure that the headrests [4] sits on top of the attendant seat [1].
 - (b) Make sure that the restraints do not interfere with the Velcro.

F. Put the Airplane Back to Its Usual Condition

SUBTASK 25-25-12-410-003

- (1) Close the storage compartment doors.

SUBTASK 25-25-12-010-006

- (2) Remove the upper backrest cushion.
 - (a) Pull the Velcro on the upper backrest cushion loose.
 - (b) Pull the bottom of the upper backrest cushion away from the attendant seat.

SUBTASK 25-25-12-410-004

- (3) Install the attendant handset cord (TASK 23-42-01-400-802).

SUBTASK 25-25-12-410-005

- (4) Install the upper backrest cushion.

————— **END OF TASK** —————



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AIRCRAFT MAINTENANCE MANUAL
CABIN ATTENDANT SEAT - INSPECTION/CHECK

1. General

A. This procedure contains these tasks:

- (1) Attendant Seat and Harness Attachment Examination
- (2) Attendant Seat - Seat Pan Examination
- (3) Attendant Seat Harness - Inertia Reel Operational Check

TASK 25-25-12-200-801

2. Attendant Seat and Harness Attachment Examination

(Figure 601)

NOTE: This procedure is a scheduled maintenance task.

A. Location Zones

Zone	Area
221	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Left
241	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Left
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

B. Attendant Seat and Harness Attachment Examination

SUBTASK 25-25-12-210-001

- (1) Make sure that the lap belts and the shoulder harnesses are not worn or damaged.

SUBTASK 25-25-12-210-002

- (2) Examine the hex head bolts [4] and mounting bolts [6] behind the headrest [5]:
 - (a) Remove the headrests [5].

NOTE: The headrests are attached to the Velcro on the partition wall.
 - (b) Make sure that the hex head bolts [4] that attach the inertia reel bracket to the partition wall are not loose.
 - (c) Make sure that the mounting bolts [6] that attach the inertia reels to the inertia reel bracket are not loose.
 - (d) Install the headrests [5].

SUBTASK 25-25-12-210-003

- (3) Examine the hex head bolts [3] behind the lower backrest cushion:
 - (a) Open the lower backrest cushion.
 - 1) Lower the seat pan a small distance.
 - 2) Pull the fabric flap Velcro on the lower backrest cushion away from the upper backrest cushion to get to the release knobs.
 - 3) Pull and then move the release knobs to each other to disengage the lower backrest cushion.
 - 4) Pull the lower backrest cushions down on the seat pan.
 - (b) Make sure that the hex head bolts [3] that attach the mounting bracket to the partition wall are not loose.
 - (c) Close the lower backrest cushion.
 - 1) Lift the lower backrest cushion up and then move the release knobs outward.
 - 2) Attach the fabric flap Velcro on the lower backrest cushion.

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- 3) Close the seat pan.

SUBTASK 25-25-12-210-004

- (4) Examine the hex head bolts [2] in the storage compartment:
- (a) Open the storage compartment doors below the seat pan.
 - (b) Make sure that the hex head bolts [2] that attach the attendant seat [1] to the partition wall are not loose.
 - (c) Close the storage compartment doors.

SUBTASK 25-25-12-210-005

- (5) Examine the lower attachment points for the restraint system:
- (a) Lower the seat pan to the open position.
 - (b) Pull the seat pan cushions away from the attachment points.
 - (c) Make sure that the bolts [7] are tight.
 - (d) Install the seat pan cushions.

SUBTASK 25-25-12-200-001

- (6) Examine the pivot points on the seat pan:
- (a) Lower the seat pan to the open position.
 - (b) Hold the seat pan near its rear corners and shake the seat pan to make sure that it is not loose.
 - (c) Make sure that the seat pan has no apparent cracks.

———— **END OF TASK** ————

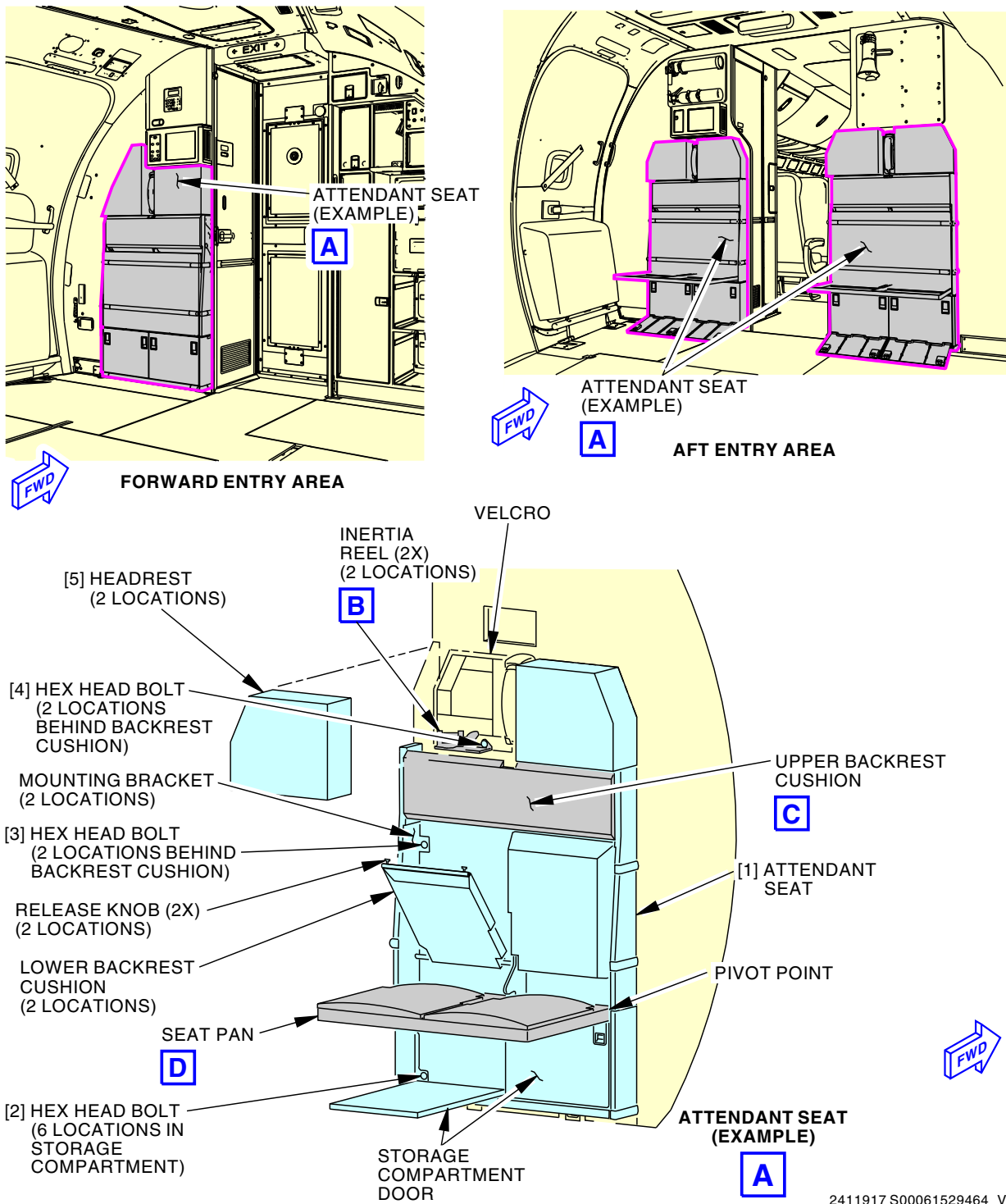
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Double Cabin Attendant Seat Examination
Figure 601/25-25-12-990-802 (Sheet 1 of 2)

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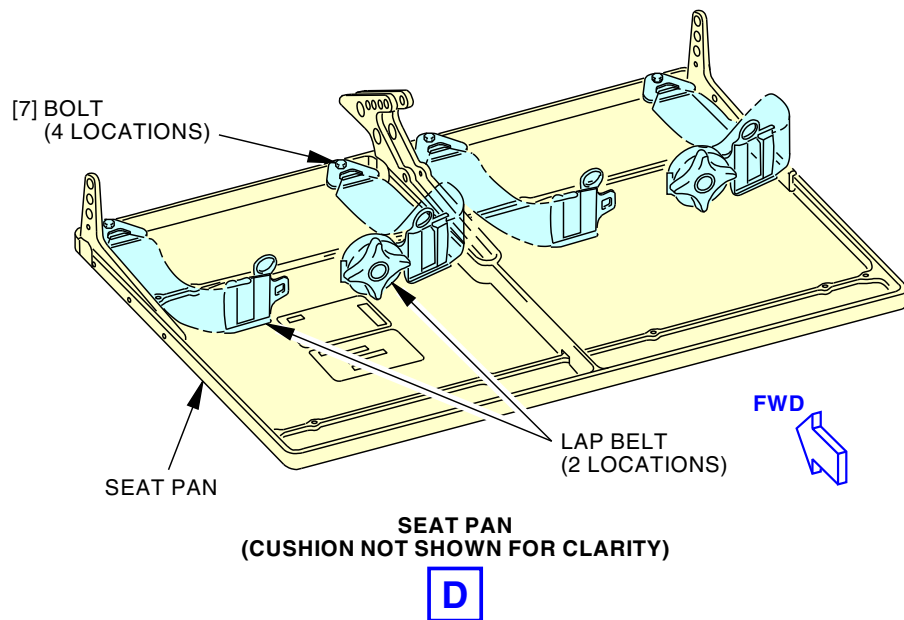
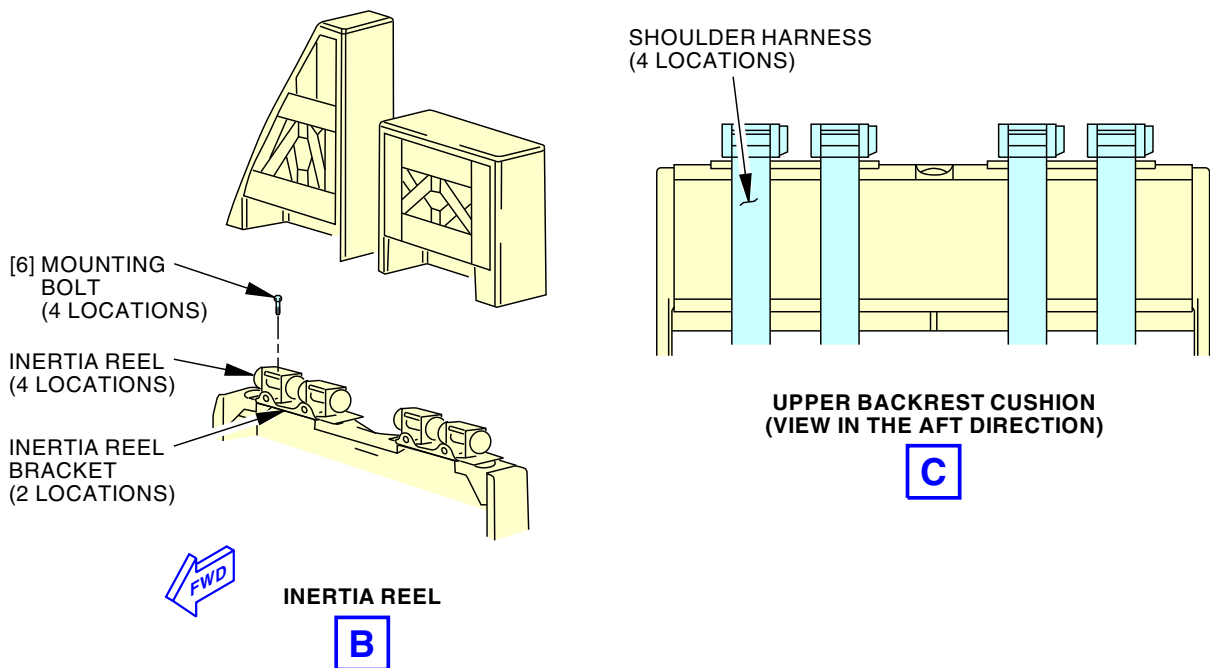
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Double Cabin Attendant Seat Examination
Figure 601/25-25-12-990-802 (Sheet 2 of 2)

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TASK 25-25-12-710-801

3. Attendant Seat - Seat Pan Check

(Figure 601)

A. General

- (1) This task is an inspection of the attendant seat bottom, referred to in this procedure as the seat pan.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Attendant Seat - Seat Pan Check

SUBTASK 25-25-12-710-001

- (1) Push the seat pan fully down (open) and release it.
 - (a) Make sure that the seat pan retracts to its closed position without aid.

SUBTASK 25-25-12-210-006

- (2) Examine the pivot points on the seat pan:
 - (a) Lower the seat pan to the open position.
 - (b) Hold the seat pan near its rear corners and shake the seat pan to make sure that it is not loose.
 - (c) Make sure that the seat pan has no apparent cracks.

————— **END OF TASK** —————

TASK 25-25-12-710-802

4. Attendant Seat Harness - Inertia Reel Operational Check

(Figure 601)

NOTE: This procedure is a scheduled maintenance task.

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Attendant Seat Harnesses - Inertia Reel Operational Check

SUBTASK 25-25-12-710-003

- (1) Pull the shoulder harness approximately half out of the inertia reel.

SUBTASK 25-25-12-720-001

- (2) Pull suddenly on the shoulder harness.
 - (a) Make sure that each shoulder harness locks and does not extend to the full length.

SUBTASK 25-25-12-710-002

- (3) Release the shoulder harness.
 - (a) Make sure that each shoulder harness retracts.

————— **END OF TASK** —————

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CARPETS - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Carpet Removal
- (2) Carpet Installation.

TASK 25-27-15-000-801

2. Carpet Removal

(Figure 401)

A. Tools/Equipment

Reference	Description
STD-764	Scraper - Non-metallic

B. Consumable Materials

Reference	Description	Specification
B00130	Alcohol - Isopropyl	TT-I-735
B00634	Solvent - Stabilized Limonene Cleaner	BMS11-10 Type 1, 2, or 3
B50003	Solvent - Cleaning - HFE 71DE	BAC5402
B50005	Solvent - Cleaning - Vertrel MCA	BAC5402
B50225	Solvent - Citra-Safe (Deodorized)	
B50226	Solvent - Citra-Safe	
G01288	Tape - Carpet	BMS5-133

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Remove the Carpet

NOTE: The carpets that are installed over an access panel in the floor are identified with a push stud fastener (a snap).

SUBTASK 25-27-15-020-001

- (1) Remove the track covers, if applicable.

SUBTASK 25-27-15-020-002

- (2) Pull the carpet edges to release the carpet from the carpet tape, G01288 on the cabin floor.

SUBTASK 25-27-15-020-003

- (3) Pull the carpet free from the carpet tape, G01288 and remove the carpet.

SUBTASK 25-27-15-020-004

- (4) Remove and discard the used carpet tape, G01288 from the floor.

SUBTASK 25-27-15-020-005



CAUTION

BE CAREFUL WHEN YOU REMOVE ADHESIVE FROM THE FLOOR PANEL SURFACES. DAMAGE TO THE FLOOR PANEL CAN OCCUR.

- (5) Remove the unwanted adhesive from the floor panels, do these steps:

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- (a) Use a non-metallic scraper, STD-764 and a vacuum cleaner to remove unwanted adhesive.
- (b) Remove adhesive that remains with one of these solvents:

NOTE: Use of solvents is only recommended when a thin layer of adhesive remains after scraping.


WARNING

DO NOT GET ALCOHOL IN YOUR MOUTH, EYES, OR ON YOUR SKIN. PUT ON A RESPIRATOR, GOGGLES, AND GLOVES. DO NOT BREATHE THE FUMES. KEEP ALCOHOL AWAY FROM SPARKS, FLAME, AND HEAT. MAKE SURE THAT THERE IS SUFFICIENT AIR FLOW IN THE WORK AREA. ALCOHOL IS POISONOUS AND FLAMMABLE. YOU CAN ABSORB POISONOUS MATERIALS FROM THE ALCOHOL THROUGH YOUR SKIN. IT CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- 1) Isopropyl alcohol, B00130 (IPA).
- 2) Make sure that the area has the correct air flow. Remove all of the ignition sources.
NOTE: This solvent has a high flash point and is a lower risk. It can be safely used with the usual precautions with electrical power on the airplane.
- 3) Vertrel MCA solvent, B50005 or HFE 71DE solvent, B50003
- 4) Limonene solvent, B00634
- 5) citra-safe solvent, B50225
- 6) citra-safe solvent, B50226

NOTE: These solvents are not flammable.

———— **END OF TASK** ————

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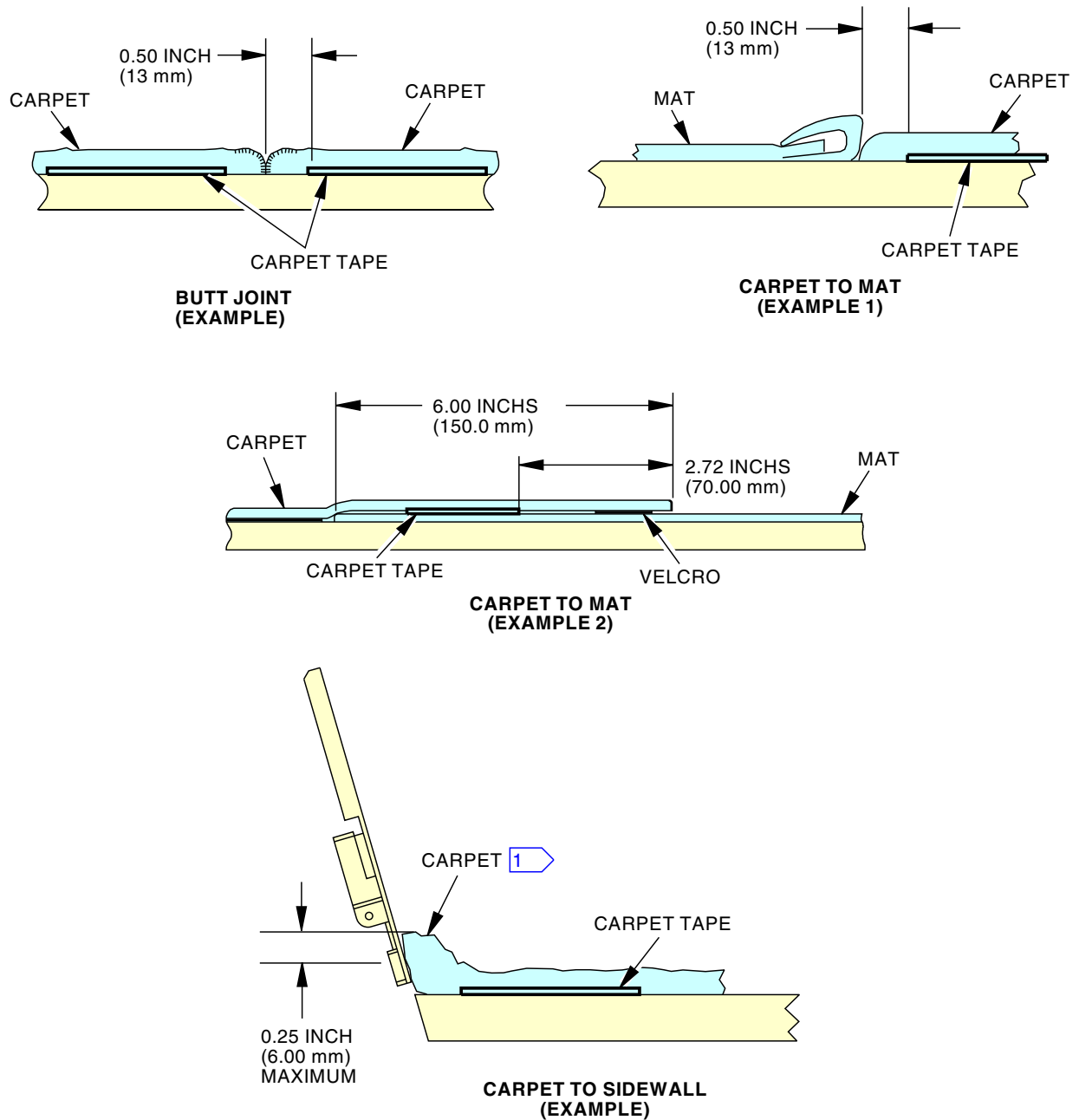
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1 THIS CARPET MAY EXTEND UP THE SIDEWALL A MAXIMUM OF 0.25 INCH (6 mm). DO NOT PUT THE CARPET UNDER THE EDGE OF THE AIR GRILL.

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Carpet Installation
Figure 401/25-27-15-990-801 (Sheet 1 of 2)

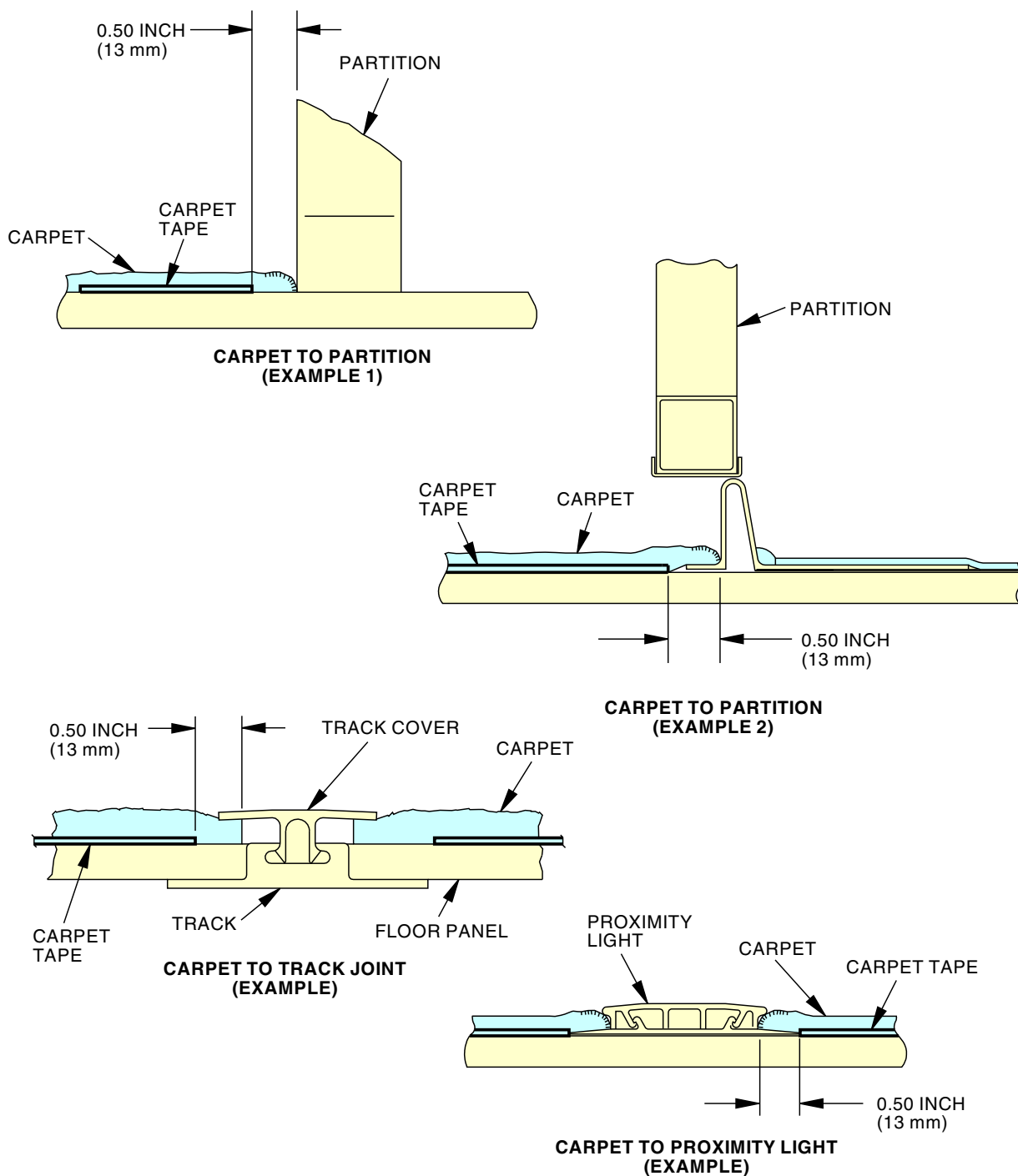
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Carpet Installation
Figure 401/25-27-15-990-801 (Sheet 2 of 2)

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TASK 25-27-15-400-801

3. Carpet - Installation

(Figure 401)

A. Tools/Equipment

Reference	Description
STD-6636	Vacuum Cleaner - wet and dry type

B. Consumable Materials

Reference	Description	Specification
G01288	Tape - Carpet	BMS5-133
G50036	Tape - Carpet, Double-sided, 5 oz/sq yd., Black on side 2. Differential Tack. Storage Life 36 Months.	BMS5-133 Type IV Class 1
G50069	Tape - Carpet, Double-backed, Adhesive - BMS5-133, Type IV, Class 1	BMS5-133 Type IV Class 1
G50155	Tape - Carpet, Double-sided, 16 oz/sq. yd., White. Storage Life 18 Months.	BMS5-133 Type II Class 1
G50156	Tape - Carpet, Double-sided, 16 oz/sq. yd., Black. Storage Life 18 Months.	BMS5-133 Type II Class 2
G50242	Fluid - Anti-Static, Nilodor Anti-Stat Static Relief (P/N C275-005)	

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Carpet Installation Procedure

SUBTASK 25-27-15-160-001

- (1) Make sure that the floor panels are clean.

SUBTASK 25-27-15-420-001

- (2) Install the carpet tape around the edges of the carpet segments. Use one of the optional tapes that follow:
- (a) carpet tape, G01288
 - (b) tape, G50036
 - (c) carpet tape, G50069
 - (d) tape, G50155
 - (e) tape, G50156
- (3) Install the tape approximately 0.5 in. (12.7 mm) from the edge of the carpet.

SUBTASK 25-27-15-420-002

- (4) Apply optional tape down the middle along the length of the aisle carpet.

SUBTASK 25-27-15-420-003

- (5) Install the carpet in the correct position.

SUBTASK 25-27-15-160-002

- (6) Clean the carpet with a vacuum cleaner, STD-6636.

SUBTASK 25-27-15-420-004

- (7) Apply Nilodor Anti-Stat Fluid, G50242 to the carpet per the manufacturer's instructions.

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SUBTASK 25-27-15-420-005

- (8) Install the seat track covers between the seats, if applicable.

———— **END OF TASK** ————

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ENTRY AND SERVICE AREA FLOOR COVERING - REMOVAL/INSTALLATION

1. General

- A. This procedure has these tasks:
- (1) Entry and Service Area Floor Covering - Removal
 - (2) Entry and Service Area Floor Covering - Installation
- B. These tasks have standard and alternate procedures that were approved for use on all mat installations.

TASK 25-27-21-000-801

2. Entry and Service Area Floor Covering - Removal

(Figure 401)

A. References

Reference	Title
25-66-02-000-801	Floor-Mounted Escape Slide Bracket Removal (P/B 201)

B. Consumable Materials

Reference	Description	Specification
G00088	Fabric, General Purpose, Rigid, Fire Retarded, Glass Fabric Reinforced Plastic Sheeting	BMS8-2
G02423	Tape - Moisture Barrier - 3 Feet Wide - 3M 8663	
G02500	Tape - Moisture Barrier - 4 inch Wide - 3M 8663DL	

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Entry and Service Area Mat Removal - Standard Method

SUBTASK 25-27-21-000-001

- (1) Remove the entry and service area mat.
- (a) Remove the threshold plate from the edge of the mat.
 - (b) Remove or loosen the threshold to release the mats.

SUBTASK 25-27-21-000-002

- (2) Remove the entry and service area floor covering.
- (a) Release the mat from the edge thresholds.
 - (b) Remove all unwanted sealant from around the mat.
 - (c) Carefully pull the mat from the tape that holds the mat to the waterseal.
NOTE: Do not damage the waterseal.
 - (d) Remove the waterseal if all of the area is to be replaced.
 - 1) Pull the strips of 3M 8663 tape, G02423 or 3M 8663DL tape, G02500 from the floor.
 - 2) Remove the fillet seal from the edges of the sidewall.

E. Entry and Service Area Mat Removal - Alternate Method

SUBTASK 25-27-21-000-003

- (1) Remove the entry and service area floor covering.

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- (a) Remove the fasteners from the doorway threshold and the flight deck threshold.
- (b) Remove the girt bar latch fittings (TASK 25-66-02-000-801).
- (c) Remove or loosen the doorway threshold and the flight deck threshold to release the mats.



OBEY THESE PRECAUTIONS. IF YOU IGNORE THESE PRECAUTIONS, DAMAGE TO EQUIPMENT WILL OCCUR.

- 1) Be careful when you remove the mat, do not damage the waterseal when you use a skin wedge or equivalent.
- (d) Remove the plastic aisle threshold with a skin wedge or equivalent

SUBTASK 25-27-21-000-004

- (2) Entry and service area floor covering with monuments installed.

- (a) Separate the edge of the mat from the tape.
- (b) Remove the sealant around the mat, if necessary.
- (c) Pull the mat upward from the tape and toward the monument wall.

NOTE: This area is where the mat will be trimmed.

- (d) Put a protective strip fabric, G00088 or equivalent between the waterseal and the mat.

NOTE: The waterseal can be damaged if the fabric, G00088 (or equivalent) is not used for protection.

- (e) Carefully cut the mat that is adjacent to the monument walls.

NOTE: This starts the mat removal procedure.

- (f) Release the rest of the mat.
- (g) Carefully pull the mat from under the monument wall.

SUBTASK 25-27-21-000-005

- (3) Remove the waterseal if all of the area is to be replaced.

- (a) Pull the strips of 3M 8663 tape, G02423 or 3M 8663DL tape, G02500 from the floor.
- (b) Remove the fillet seal from the edges of the sidewall.

———— **END OF TASK** ————

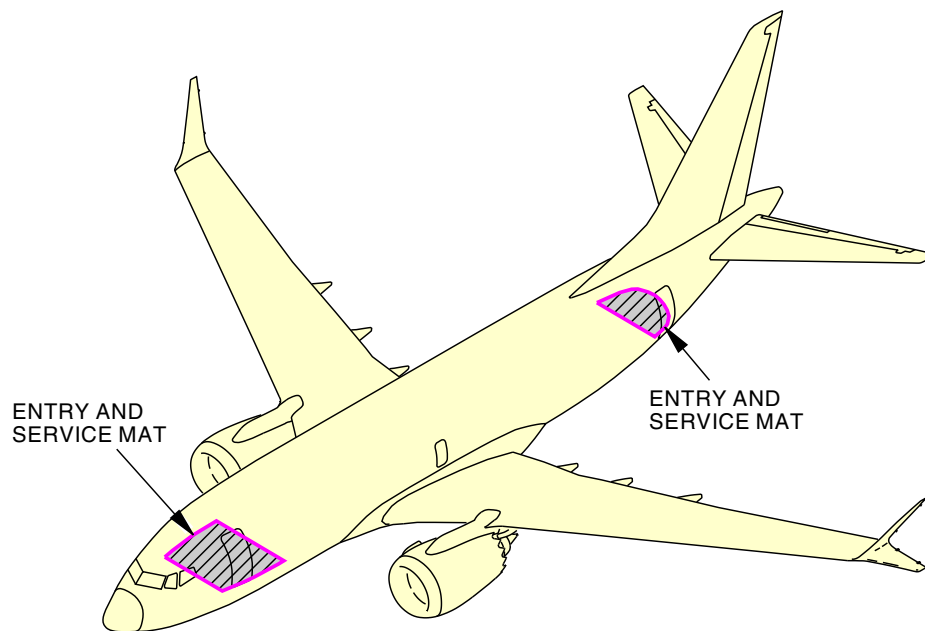
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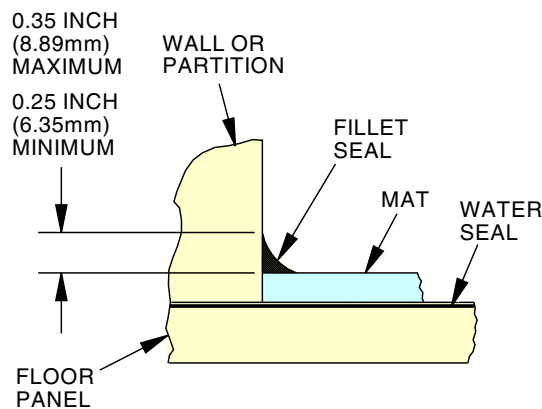
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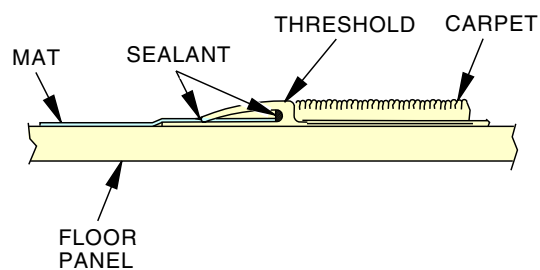
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ENTRY AND SERVICE AREA MAT



**MAT TO PARTITION
(SEALED EDGE)**



CARPET TO MAT

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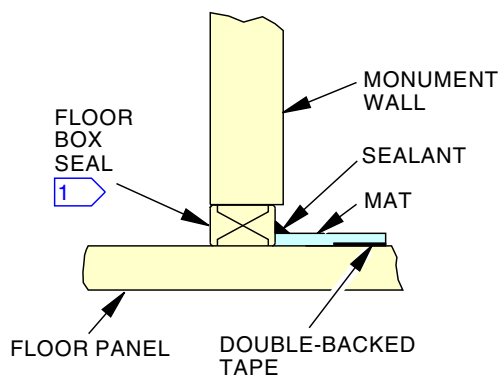
Entry and Service Area Mat Installation
Figure 401/25-27-21-990-802 (Sheet 1 of 3)

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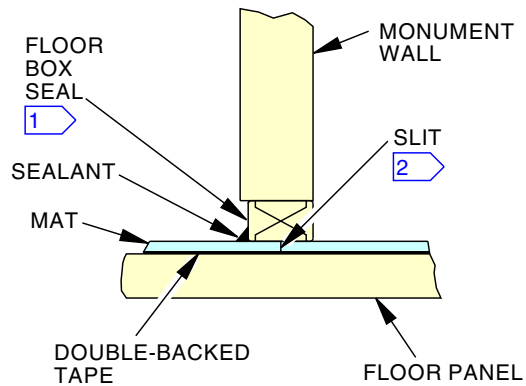
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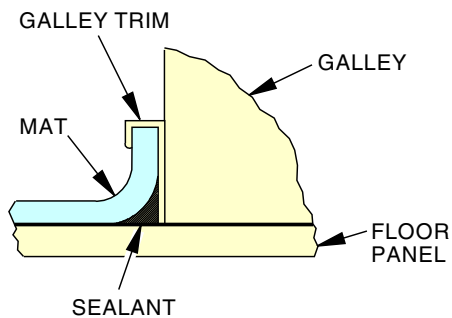
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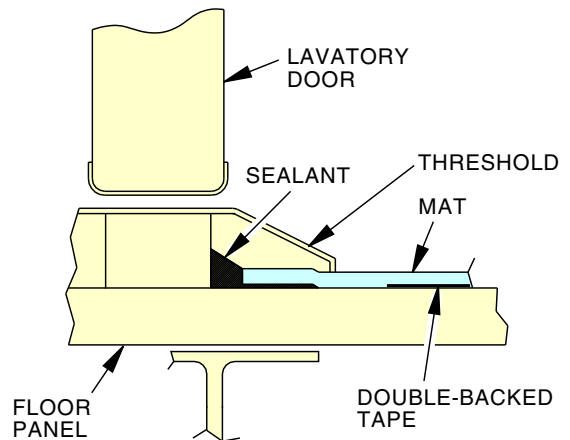
MAT TO MONUMENT



**MAT TO MONUMENT
(ALTERNATE METHOD)**



MAT TO GALLEY



LAVATORY THRESHOLD

- 1 SILICON FOAM, BMS 1-68
- 2 OPTIONAL METHOD, PRECUT A SLIT CENTERED BETWEEN MONUMENT WALLS

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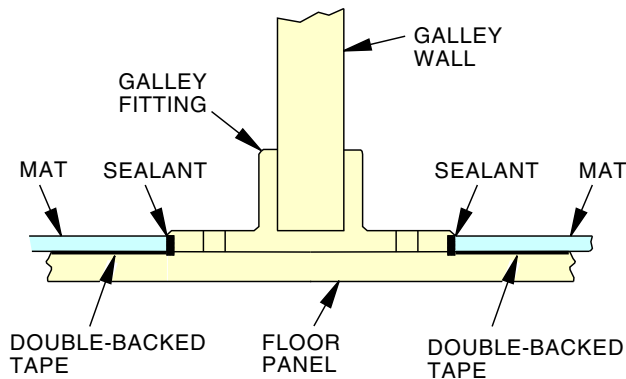
**Entry and Service Area Mat Installation
Figure 401/25-27-21-990-802 (Sheet 2 of 3)**

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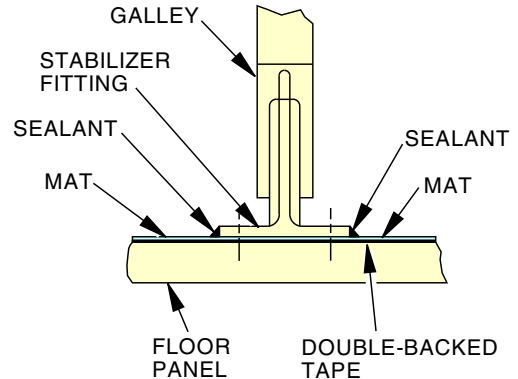
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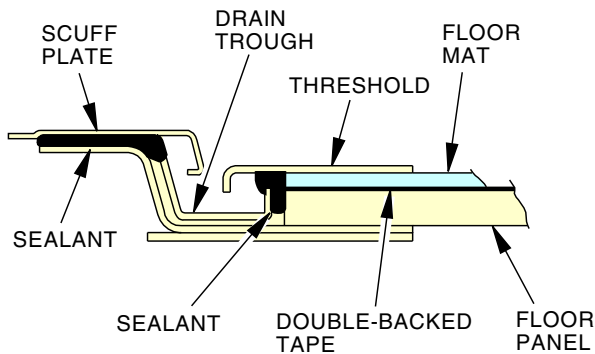
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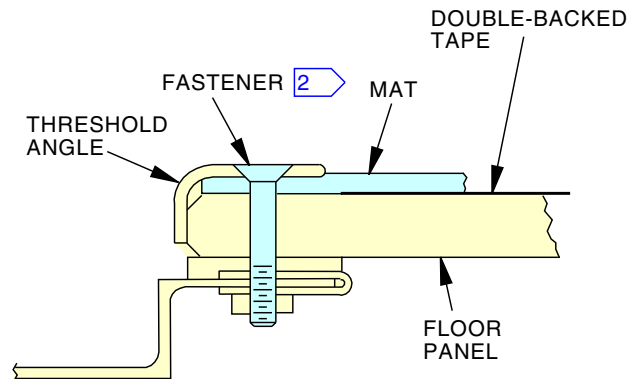
MAT TO GALLEY FITTING



**MAT TO GALLEY FITTING
(ALTERNATE METHOD)**



TROUGH TYPE DOOR MAT DRAIN



CONTROL CABIN THRESHOLD

2 INSTALL WITH SEALANT BMS 5-142 (BMS 5-95 OPTIONAL)

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**Entry and Service Area Mat Installation
Figure 401/25-27-21-990-802 (Sheet 3 of 3)**

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TASK 25-27-21-400-801

3. Entry and Service Area Floor Covering - Installation

(Figure 401)

A. References

Reference	Title
25-66-02-400-801	Floor-Mounted Escape Slide Bracket Installation (P/B 201)
53-21-00-300-801	Polyurethane Waterseal Repair (P/B 801)
53-21-11-300-801	Vinyl Water Barrier Repair (P/B 801)
53-21-11-300-802	Mylar Water Barrier Repair (P/B 801)
SRM 51-20-01	PROTECTIVE TREATMENT OF METALLIC AND COMPOSITE MATERIALS

B. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 60
A00247	Sealant - Pressure And Environmental - Chromate Type	BMS5-95
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 109
A50009	Sealant - Low Density, Non-Chromate Type. (Formerly Chromate - Synthetic Rubber)	BMS5-142 Type II Class B-1 or B-2
B00062	Solvent - Acetone (99.5% Grade)	ASTM D 329 (Supersedes O-A-51)
B00184	Solvent - Presealing, Cleaning Solvent	BMS11-7
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	AMS3819 Class 1 Grade A or B Form 1 (Supersede BMS15-5 CLA)
G01288	Tape - Carpet	BMS5-133
G02500	Tape - Moisture Barrier - 4 inch Wide - 3M 8663DL	
G50179	Tape - Moisture Barrier, Adhesive One-side, Clear Polyurethane	BMS8-346 Type I
G50885	Tape - Nitto P-55 (Formerly Permacel) Flame Retardant Double Coated Cloth Tape	BMS5-133
G51340	Tape - Moisture Barrier, Adhesive One-side	BMS8-346 Type II Class 4

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

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D. Prepare for the Installation

SUBTASK 25-27-21-840-001



DO NOT GET SOLVENTS IN YOUR MOUTH, EYES, OR SKIN. DO NOT BREATHE FUMES FROM SOLVENTS. REFER TO PRODUCT MATERIAL SAFETY DATA SHEETS (MSDS AND LOCAL REQUIREMENTS FOR PROPER HANDLING. SOLVENTS ARE HAZARDOUS MATERIALS AND MAY BE FLAMMABLE OR HARMFUL TO THE ENVIRONMENT.

- (1) If the waterseal is not removed or replaced, do these steps to prepare the waterseal surface.
 - (a) Examine the waterseal for cuts, tears, abrasions or other damage.
 - (b) Repair the waterseal.
 - 1) Do this task: Vinyl Water Barrier Repair, TASK 53-21-11-300-801 or Mylar Water Barrier Repair, TASK 53-21-11-300-802.
 - 2) Do this task: Polyurethane Waterseal Repair, TASK 53-21-00-300-801.
 - (c) Clean the waterseal with an oil-free cotton wiper, G00034, moistened with solvent, B00062, or solvent, B00184.
 - (d) Remove the sealant from the edge thresholds.
 - 1) Make sure that the solvent does not get on the waterseal or the existing sealant.

SUBTASK 25-27-21-840-002

- (2) Prepare the floor panels for the waterseal if the waterseal has been removed.
 - (a) Clean the floor panels:
 - 1) Apply solvent, B00062, or solvent, B00184, with a clean oil-free cotton wiper, G00034.
 - 2) Rub the surface to remove the soil.
 - 3) Use a clean cotton wiper, G00034, to remove solvent, B00062, or solvent, B00184, before it evaporates.
 - (b) Protect the floor tracks from corrosion (SRM SUBJECT 51-20-01).
 - (c) Keep the floor panels clean prior to applying the waterseal.

E. Entry and Service Area Floor Covering Installation

SUBTASK 25-27-21-420-007

- (1) Install the waterseal.
 - (a) Apply moisture barrier tape, G50179, to all floor panel seams in the galley and lavatory area, extending 20 in. (508 mm) AFT of the FWD wet area and 20 in. (508 mm) FWD of the AFT wet area.
 - (b) Apply moisture barrier tape 3M 8663DL tape, G02500, or moisture barrier tape, G51340, across the entire area perpendicular to the centerline of the airplane.
 - 1) Make sure that there is a minimum of a 1.0 in. (25.4 mm) overlap of each strip.
 - (c) Push down on all the tape areas.
 - (d) Apply sealant, A50009, or sealant, A00247, to the edges, cracks and small holes.
 - 1) Make sure that the waterseal and the adjacent structure has a complete seal.

F. Entry and Service Area Mat Installation - Standard Method

NOTE: The galleys, lavatories and partitions that border the sides of the entry mat must be installed before the mat.

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SUBTASK 25-27-21-420-002

(1) Standard Method - Installation

- (a) Install the entry monuments, as necessary.
- (b) Cut the mat to the correct size.
- (c) Apply carpet tape, G01288, 6.0 in. (15.2 cm) wide, on the floor surface leaving no gaps.

NOTE: Avoid running the tape over the raised areas and floor panel inserts. The direction of the tape is optional.

NOTE: Adhesive Nitto P-55 tape, G50885, has displayed better results in countering mat buckling. Recommend to use Nitto P-55 tape, G50885, in areas of observed buckling.

NOTE: Nitto P-55 tape, G50885, has stronger adhesion properties making it more difficult to remove, care should be taken in its removal.

- 1) Keep the tape at least 0.25 in. (6.35 mm) and no more than 0.50 in. (12.70 mm) from the mat edges.
- (d) Apply adhesive, A00930, for faying surfaces on the trim as well as sealing all the cracks and small holes.
- NOTE: The adhesive, A00027, is optional to adhesive, A00930.
- (e) Align the mat in the correct location.
 - 1) Push firmly on all of the tape.
- (f) Apply adhesive, A00930, at least 0.25 in. (6.35 mm) and no more than 0.35 in. (8.89 mm) wide, between the edge of the mat and floor panel.

NOTE: The adhesive, A00027, is optional to adhesive, A00930.

- (g) Put the edges in the edge thresholds before the sealant starts to get hard.

G. Entry and Service Area Mat Installation - Alternate Method

SUBTASK 25-27-21-420-003

(1) Cut the mat to the correct size as follows:

- (a) Precut a slit, centered between the monument walls.

NOTE: Use the template or remove and use the installed mat as a template to cut the new mat. Cutting a slit in the mat prepares the mat for future removal.
- (b) Cut the mat to extend 0.15 in. (3.81 mm) to 0.35 in. (8.89 mm) past the galley walls.

NOTE: The mat will be installed under the galley wall and the foam seals.

NOTE: Do not cut the mat around the galley partition fittings. The fittings will be installed on top of the mat.

- (c) Cut the mat to extend under the closet installation, if installed.
- (d) Cut the mat to fit around the forward fixed lavatory.
- (e) Precut a slit, centered between the monument walls, if necessary.
- (f) Apply carpet tape, G01288, that is 6.0 in. (15.2 cm) wide on the floor surface, no gaps permitted.

NOTE: Do not let the tape go over the raised areas and floor panel inserts. The direction of the tape is optional.

- 1) Keep the tape a minimum of 0.25 in. (6.35 mm) and a maximum of 0.50 in. (12.70 mm) from the mat edges.

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- (g) Apply adhesive, A00930, for faying surfaces on the slit edges of the mat running adjacent to the monuments.

NOTE: The adhesive, A00027, is optional to adhesive, A00930.

- (h) Seal all the cracks and small holes.
(i) Put the mat in the correct location and push firmly on the tape.
(j) Apply a 0.25 in. (6.35 mm) to 0.35 in. (8.89 mm) fillet seal between the mat and the monuments with adhesive, A00930.

NOTE: The adhesive, A00027, is optional to adhesive, A00930.

- (k) Put the edges in the edge threshold before the sealant starts to get hard.

SUBTASK 25-27-21-420-004

- (2) Put the carpet in the edge thresholds for the mats.

SUBTASK 25-27-21-390-003

- (3) Apply adhesive, A00930 (adhesive, A00027 is optional) to the threshold.

SUBTASK 25-27-21-420-005

- (4) If it is necessary, install or tighten the mat to the carpet thresholds.

SUBTASK 25-27-21-420-006

- (5) Install the threshold plate on the edge of the mat and drain trough.

SUBTASK 25-27-21-390-001

- (6) Install the floor brackets for the escape slide adjacent to the entry and service doors (TASK 25-66-02-400-801).

SUBTASK 25-27-21-390-002

- (7) Install the threshold over the edge of the mat at the drain trough.
(a) Apply adhesive, A00930 along the joint between the galley mat and drain trough (Figure 401 sheet 3).

NOTE: The adhesive, A00027, is optional to adhesive, A00930.

- (b) Make sure that there is a water-tight surface.

SUBTASK 25-27-21-160-001

- (8) Remove excess sealant.

———— **END OF TASK** ————

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RACEWAYS - REMOVAL/INSTALLATION

1. General

- A. This procedure contains the following tasks:
 - (1) A removal of the raceways
 - (2) An installation of the raceways.
- B. Wires are routed to the passenger seats through raceways. The raceways protect the wires from damage.
- C. Wires go to the seats for the following electrical systems:
 - (1) On some airplanes, power for the seat adjustments
 - (2) On some airplanes, Seat Electronic Boxes (SEBs).
- D. Double back tape attaches the raceways to the airplane deck.

TASK 25-27-31-000-801

2. Raceway - Removal

(Figure 401)

A. References

<u>Reference</u>	<u>Title</u>
25-21-46-000-801	Sidewall Panel - Removal (P/B 401)
25-22-00-000-801	Passenger Seat Removal (P/B 401)
25-27-15-000-801	Carpet Removal (P/B 401)

B. Location Zones

<u>Zone</u>	<u>Area</u>
200	Upper Half of Fuselage

C. Raceway Removal

SUBTASK 25-27-31-860-006

- (1) Open these circuit breakers and install safety tags:

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
B	9	C01945	IFE AC
B	10	C01952	IFE DC

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
SIA 015-999			
A	14	C01645	SEAT POWER AFT
SIA ALL			
A	17	C01644	SEAT POWER FWD
B	18	C01949	CABIN EMER LIGHTS

These circuit breakers are inoperative and should remain open:

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
SIA 015-999			

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SIA 015-999 (Continued)

(Continued)

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
B	5	C01976	PAX SEAT - RIGHT (INOP)
B	14	C01977	PAX SEAT - LEFT (INOP)

SIA 001-014

SUBTASK 25-27-31-020-015

- (2) Remove the passenger seats if it is necessary (Passenger Seat Removal, TASK 25-22-00-000-801).

SIA ALL

SUBTASK 25-27-31-020-016

- (3) Remove the track covers [2] between the seats.

SUBTASK 25-27-31-020-017

- (4) Remove the carpet above the seat-to-sidewall raceways [1] (Carpet Removal, TASK 25-27-15-000-801).

SUBTASK 25-27-31-020-018

- (5) Remove the straps that attach the cable to the seat leg.
(a) Disconnect the cable.

SUBTASK 25-27-31-010-001

- (6) To access the seat-to-sidewall disconnect, remove the applicable sidewall panel (Sidewall Panel - Removal, TASK 25-21-46-000-801).

SUBTASK 25-27-31-020-019

- (7) Disconnect the cables from the seat-to-sidewall connections.

SUBTASK 25-27-31-020-020

- (8) Remove the cables from the raceways [1].

SUBTASK 25-27-31-020-021

- (9) Lift and remove the raceways [1] from the floor panels.

NOTE: For installation, make a note of the location of the wire and of the location of each light.

————— END OF TASK —————

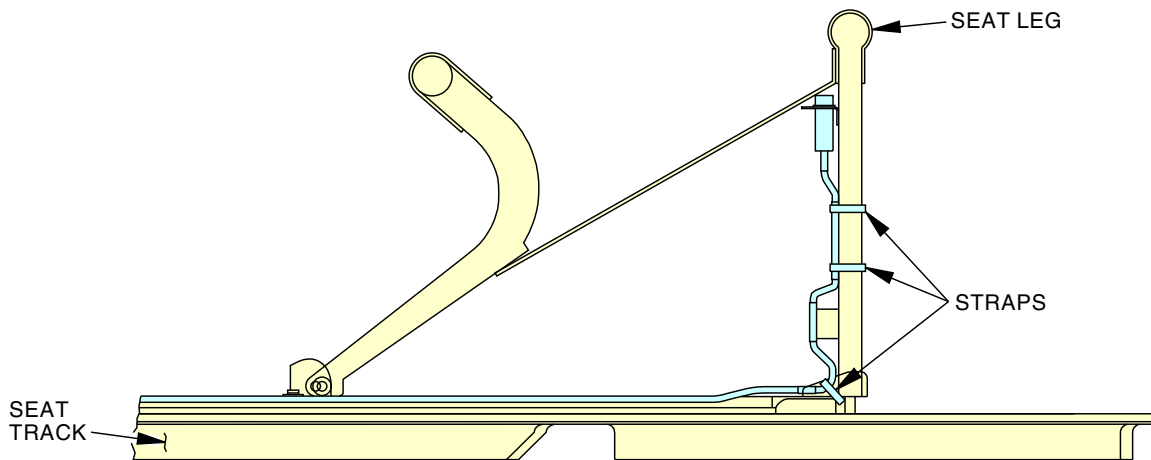
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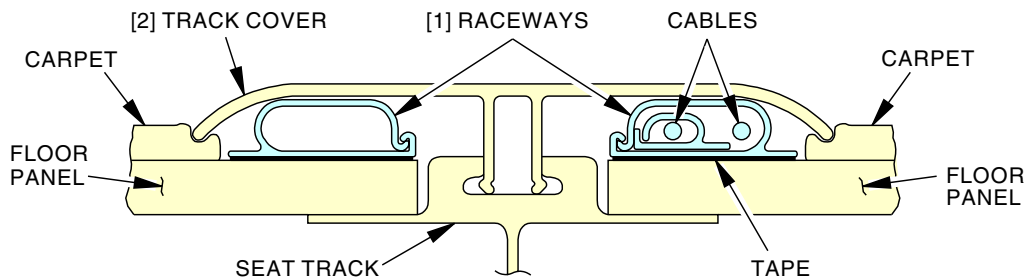
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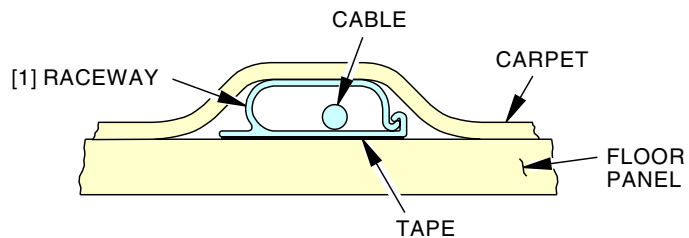
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**SEAT-MOUNTED PROXIMITY LIGHTING
SEAT LEG CABLE ROUTING
(EXAMPLE)**



**SEAT-MOUNTED PROXIMITY LIGHTING RACEWAY
(EXAMPLE)**



**SEAT TO SIDEWALL RACEWAY
(EXAMPLE)**

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**Raceway Installation
Figure 401/25-27-31-990-802**

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TASK 25-27-31-400-801

3. Raceway - Installation

(Figure 401)

A. References

Reference	Title
25-21-46-400-801	Sidewall Panel - Installation (P/B 401)
25-22-00 P/B 601	PASSENGER SEATS - INSPECTION/CHECK
25-22-00-400-801	Passenger Seat Installation (P/B 401)
25-27-15-400-801	Carpet - Installation (P/B 401)

B. Consumable Materials

Reference	Description	Specification
G01288	Tape - Carpet	BMS5-133
G50218	Strap - Plastic, Adjustable, Self-locking, 27.50 Inches (698.50MM) Long	BACS38K6

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Raceway Installation

SUBTASK 25-27-31-100-001

- (1) If it is necessary, clean the floor in the area of the new raceway installation.

SUBTASK 25-27-31-420-026

- (2) Install new carpet tape, G01288, on the floor panels for the raceways [1] and along the seat tracks.

SUBTASK 25-27-31-420-027

- (3) Install the raceways [1] on the floor panels.

SUBTASK 25-27-31-420-028

- (4) Install the cables in the raceways [1].

SUBTASK 25-27-31-420-029

- (5) Install the track covers [2].

SUBTASK 25-27-31-420-030

- (6) Connect the cables to the seat- to-sidewall connections.

SUBTASK 25-27-31-420-031

- (7) Install the sidewall panels (Sidewall Panel - Installation, TASK 25-21-46-400-801).

SUBTASK 25-27-31-420-032

- (8) Install the carpet for the seat to sidewall raceway [1] (Carpet - Installation, TASK 25-27-15-400-801).

SIA 001-014

SUBTASK 25-27-31-420-033

- (9) Install the passenger seats, if they were removed (Passenger Seat Installation, TASK 25-22-00-400-801).

SIA ALL

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SUBTASK 25-27-31-420-034

- (10) Connect the cables to the seat leg connection.

SUBTASK 25-27-31-420-035

- (11) Attach the cables to seat leg with the adjustable plastic strap, G50218.

E. Installation Test

SUBTASK 25-27-31-860-005

- (1) Remove the safety tags and close these circuit breakers:

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
B	9	C01945	IFE AC
B	10	C01952	IFE DC

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>

SIA 015-999

A	14	C01645	SEAT POWER AFT

SIA ALL

A	17	C01644	SEAT POWER FWD
B	18	C01949	CABIN EMER LIGHTS

These circuit breakers are inoperative and should remain open:

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>

SIA 015-999

B	5	C01976	PAX SEAT - RIGHT (INOP)
B	14	C01977	PAX SEAT - LEFT (INOP)

SIA 001-014

SUBTASK 25-27-31-760-002

- (2) Test the seats and systems for proper operation (PASSENGER SEATS - INSPECTION/CHECK, PAGEBLOCK 25-22-00/601).

————— END OF TASK —————

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SERVICE OUTLETS - MAINTENANCE PRACTICES

1. General

- A. This procedure has these tasks:
- (1) Service Outlets - Deactivation
 - (2) Service Outlets - Activation

TASK 25-29-07-040-801

2. Service Outlets - Deactivation

A. **General**

- (1) This task will deactivate the power to the service outlets.

B. **Tools/Equipment**

Reference	Description
STD-6481	Voltmeter - Digital

C. **Location Zones**

Zone	Area
118	Electrical and Electronics Compartment - Right
200	Upper Half of Fuselage

D. **Access Panels**

Number	Name/Location
117A	Electronic Equipment Access Door

E. **Prepare for the Deactivation**

SUBTASK 25-29-07-020-001

- (1) To get access to the P92 panel, open this access door:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

F. **Service Outlets Deactivation**

SUBTASK 25-29-07-020-010

- (1) Open this circuit breaker and install safety tag:

F/O Electrical System Panel, P6-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	1	C00117	28V DC SERVICE OUTLETS

SUBTASK 25-29-07-020-002



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (2) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	7	C00116	SERVICE OUTLETS
E	8	C00118	VAC OUTLET FWD
E	9	C00119	VAC OUTLET AFT

SUBTASK 25-29-07-410-001

- (3) Close this access door:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

G. Service Outlets - Tryout

NOTE: This tryout is to make sure that the power to the service outlets is in zero energy state.

SUBTASK 25-29-07-210-001

- (1) Use a digital voltmeter, STD-6481, to measure the voltage at the applicable service outlet.
- (a) For the 115 VAC service outlet, make sure that it has the correct voltage (0 ± 1 VAC).
- (b) For the 28 VDC service outlet, make sure that it has the correct voltage (0 ± 1 VDC).

————— **END OF TASK** —————

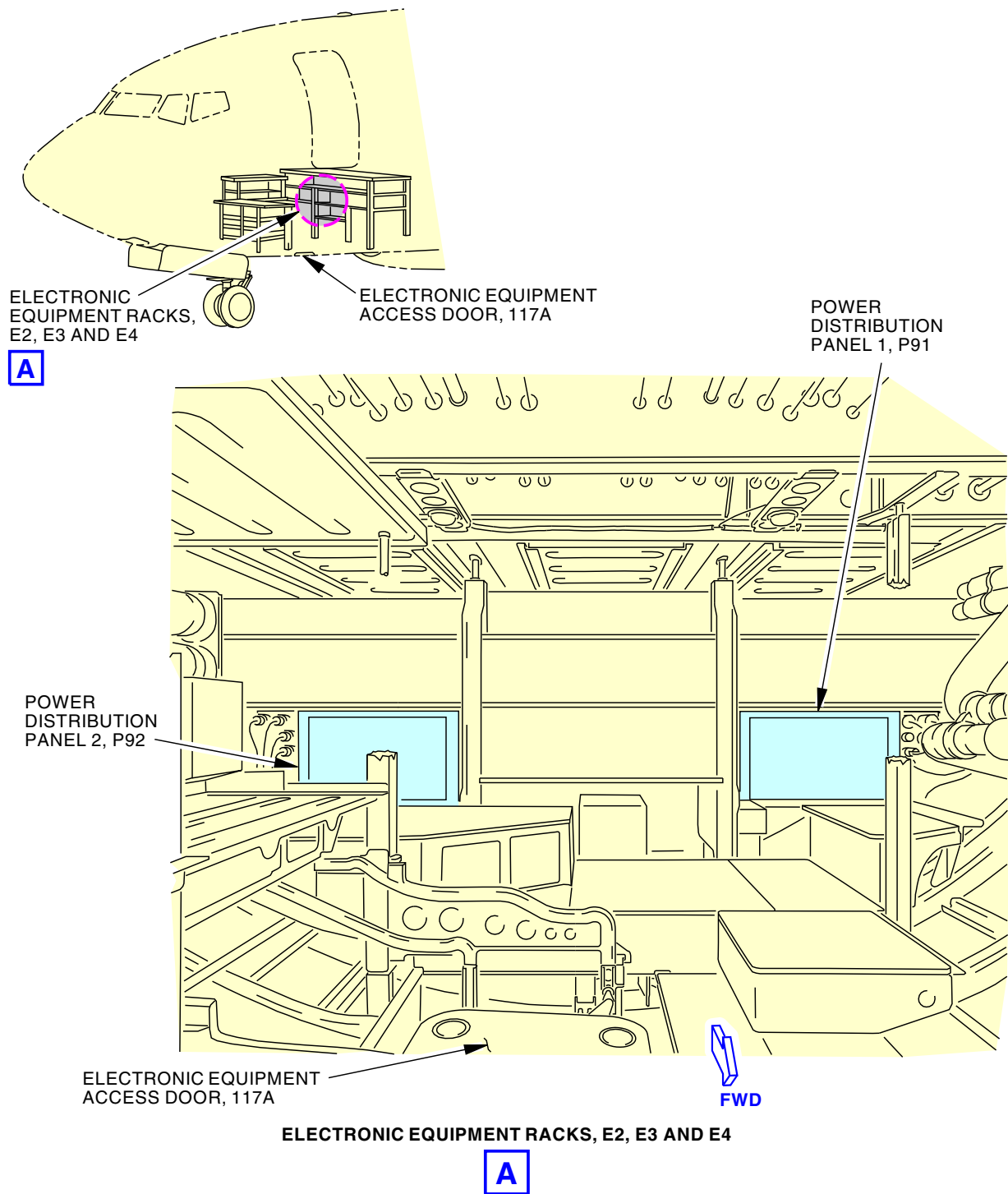
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Service Outlets - Electrical Control Panels P91 and P92
Figure 201/25-29-07-990-801

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TASK 25-29-07-440-801

3. Service Outlets - Activation

(Figure 201)

A. General

- (1) This task will activate the power to the service outlets.

B. Tools/Equipment

Reference	Description
STD-6481	Voltmeter - Digital

C. Location Zones

Zone	Area
118	Electrical and Electronics Compartment - Right
200	Upper Half of Fuselage

D. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

E. Service Outlets Activation

SUBTASK 25-29-07-010-001

- (1) To get access to the P92 panel, open this access panel:

Number	Name/Location
117A	Electronic Equipment Access Door

SUBTASK 25-29-07-860-003



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (2) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 2, P92

Row	Col	Number	Name
E	7	C00116	SERVICE OUTLETS
E	8	C00118	VAC OUTLET FWD
E	9	C00119	VAC OUTLET AFT

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SUBTASK 25-29-07-410-002

- (3) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-29-07-420-001

- (4) Remove the safety tag and close this circuit breaker:

F/O Electrical System Panel, P6-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	1	C00117	28V DC SERVICE OUTLETS

SUBTASK 25-29-07-210-002

- (5) Use a digital voltmeter, STD-6481, to measure the voltage at the applicable service outlet.
- (a) For the 115 VAC service outlet, make sure that it has the correct voltage (115 ± 5 VAC).
- (b) For the 28 VDC service outlet, make sure that it has the correct voltage (28 ± 5 VDC).

————— **END OF TASK** —————

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SERVICE OUTLETS - REMOVAL/INSTALLATION

1. General

- A. This procedure has these tasks:
- (1) Service Outlet - Removal
 - (2) Service Outlet - Installation
- B. The vacuum cleaner outlets are installed on the right side of the airplane, aft and forward entry doors. Other service outlets are installed on the sidewall panels in the passenger cabin. The removal and installation procedures for the service outlets are equivalent.

TASK 25-29-07-000-801

2. Service Outlet - Removal

(Figure 401)

A. **Location Zones**

<u>Zone</u>	<u>Area</u>
118	Electrical and Electronics Compartment - Right
200	Upper Half of Fuselage

B. **Access Panels**

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

C. **Prepare for the Removal**

SUBTASK 25-29-07-860-004

- (1) Open this circuit breaker and install safety tag:

F/O Electrical System Panel, P6-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	1	C00117	28V DC SERVICE OUTLETS

SUBTASK 25-29-07-010-002

- (2) To get access to the P92 panel, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-29-07-860-001



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (3) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	7	C00116	SERVICE OUTLETS
E	8	C00118	VAC OUTLET FWD
E	9	C00119	VAC OUTLET AFT

D. Service Outlet Removal

SUBTASK 25-29-07-020-003

- (1) Remove the receptacle cover [1] (lift to open) from the housing [3].

SUBTASK 25-29-07-020-004

- (2) Remove the four screws [9], washers [8], and spacers [7] that attach the housing [3] to the support [5].

SUBTASK 25-29-07-020-005

- (3) Remove the housing [3].

SUBTASK 25-29-07-020-006

- (4) Remove the two screws [6] and washers [2] (if installed) that attach the outlet [4] to the support [5].

SUBTASK 25-29-07-020-007

- (5) Pull the outlet [4] from the support [5].

SUBTASK 25-29-07-020-008

- (6) Disconnect the wires from the outlet [4].

SUBTASK 25-29-07-020-009

- (7) Remove the outlet [4].

————— END OF TASK —————

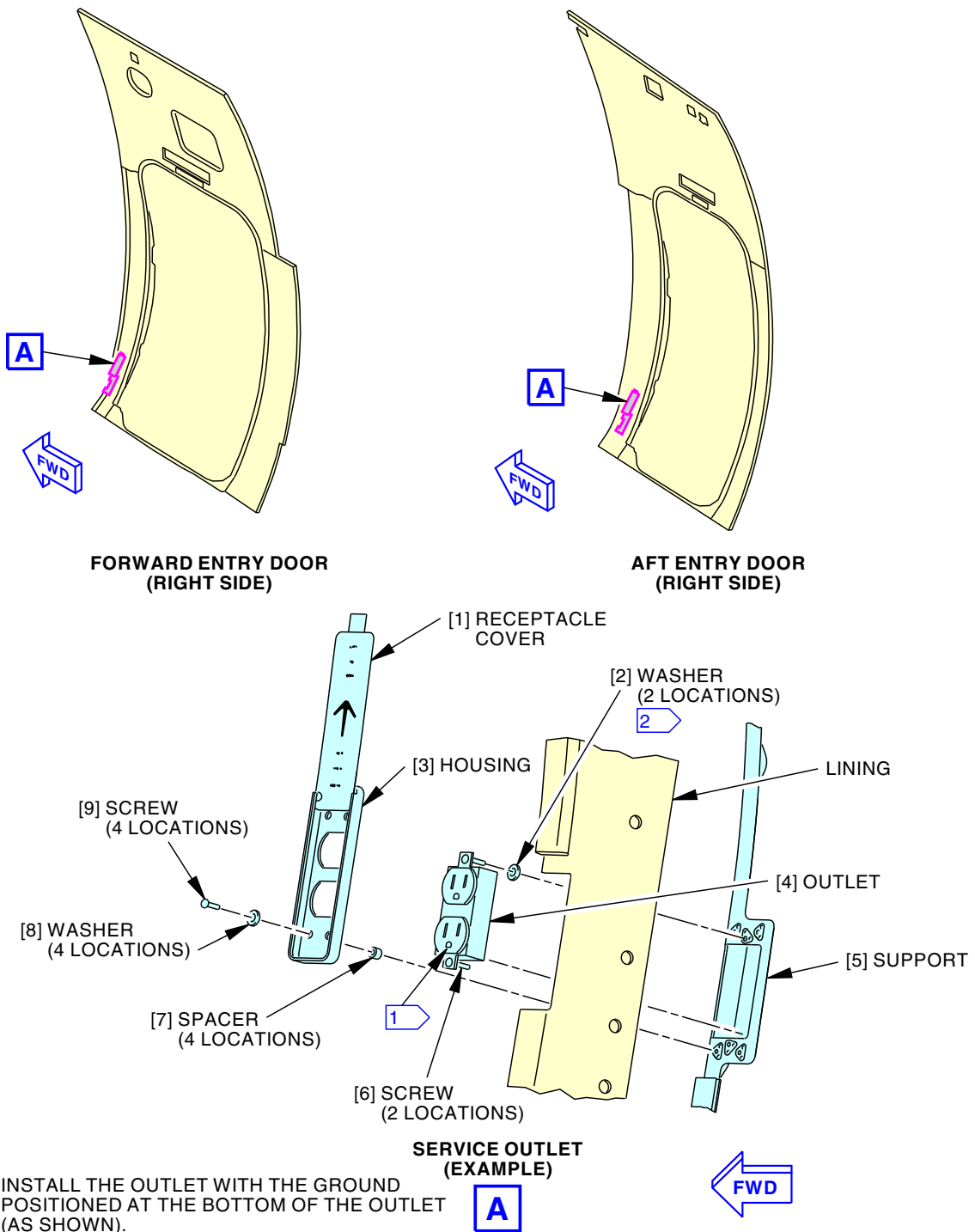
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Service Outlet Installation
Figure 401/25-29-07-990-803

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TASK 25-29-07-400-801

3. Service Outlet - Installation

(Figure 401)

A. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
4	Outlet	Not Specified	

B. Location Zones

Zone	Area
118	Electrical and Electronics Compartment - Right
200	Upper Half of Fuselage

C. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

D. Service Outlet Installation

SUBTASK 25-29-07-420-002

(1) Align the new outlet [4] in the correct position on the support [5].

SUBTASK 25-29-07-420-003

(2) Connect the wires to the outlet [4].

SUBTASK 25-29-07-420-004

(3) Install the two screws [6] and washers [2] (if installed) to attach the outlet [4] to the support [5].

SUBTASK 25-29-07-420-005

(4) Align the housing [3] on the outlet [4] and the support [5].

SUBTASK 25-29-07-420-006

(5) Install the four screws [9], washers [8], and spacers [7] to attach the housing [3] to the support [5].

SUBTASK 25-29-07-420-007

(6) Install the receptacle cover [1] on the housing [3].

E. Put the Airplane Back to Its Usual Condition



WARNING

WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

SUBTASK 25-29-07-860-002

- (1) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	7	C00116	SERVICE OUTLETS
E	8	C00118	VAC OUTLET FWD
E	9	C00119	VAC OUTLET AFT

SUBTASK 25-29-07-410-003

- (2) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-29-07-860-005

- (3) Remove the safety tag and close this circuit breaker:

F/O Electrical System Panel, P6-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	1	C00117	28V DC SERVICE OUTLETS

————— END OF TASK —————

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GALLEY WATER FILTERS - MAINTENANCE PRACTICES

1. General

- A. This procedure has this task:
- (1) Galley Water Filter Replacement.
- B. This is a general task and not customized for a specified galley location or a supplier.

TASK 25-31-00-960-801

2. Galley Water Filter Replacement

(Figure 201)

A. **References**

Reference	Title
38-42-00-800-802	Potable Water System - Activation (P/B 201)

B. **Location Zones**

Zone	Area
200	Upper Half of Fuselage

C. **Prepare for the Galley Water Filter Replacement**

SUBTASK 25-31-00-840-001

- (1) Prepare to replace the Water Filter:
- (a) At the Overhead Panel, P5, set the galley POWER switch to the OFF position.
 - (b) Turn the water shutoff valve [2] in the galley to the OFF position.
 - (c) Open the faucet to release the water pressure and drain some of the water.
 - (d) Close the faucet when the water stops.

D. **Galley Water Filter Replacement**

SUBTASK 25-31-00-900-001

- (1) Remove the Water Filter:
- (a) Put a container or cloth below the filter case [3] to absorb spilled water.
 - (b) Loosen the vent screw [6] (where applicable) and let the water drain from the pressure vessel.
 - (c) Remove the clamp [5] at the top of the filter case [3].
 - (d) Remove the filter cartridge [4] from the filter case [3].
 - (e) If necessary, examine the cartridge seal and housing gasket.

NOTE: Contact the galley manufacturer for the part numbers of the seal or gaskets.

SUBTASK 25-31-00-960-001

- (2) Replace the Water Filter:
- (a) Clean the inner part of the filter case [3] with a clean cloth.
 - (b) Install a clean filter cartridge [4].
- NOTE: Make sure that all new cartridges have been flushed at the time of installation. This is done by running water through the filter at full flow from the service top for three minutes or until water runs clear.
- (c) Install the clamp [5] and tighten the wingnut.

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- 1) Make sure that the clamp [5] is installed in the correct position and head of the wingnut does not cause the interference with the cart.
- (d) Open the water shutoff valve [2].
- (e) At the Overhead Panel P5, set the galley POWER switch to the ON position.
- (f) Open the vent screw [6] at the top of the filter case [3] to bleed air.
- (g) Close the vent screw [6].
- (h) Pressurize the potable water system, do this task: Potable Water System - Activation, TASK 38-42-00-800-802.
- (i) Open the faucet.
- (j) Make sure that there are no leaks around the water filter assembly [1].

———— **END OF TASK** ————

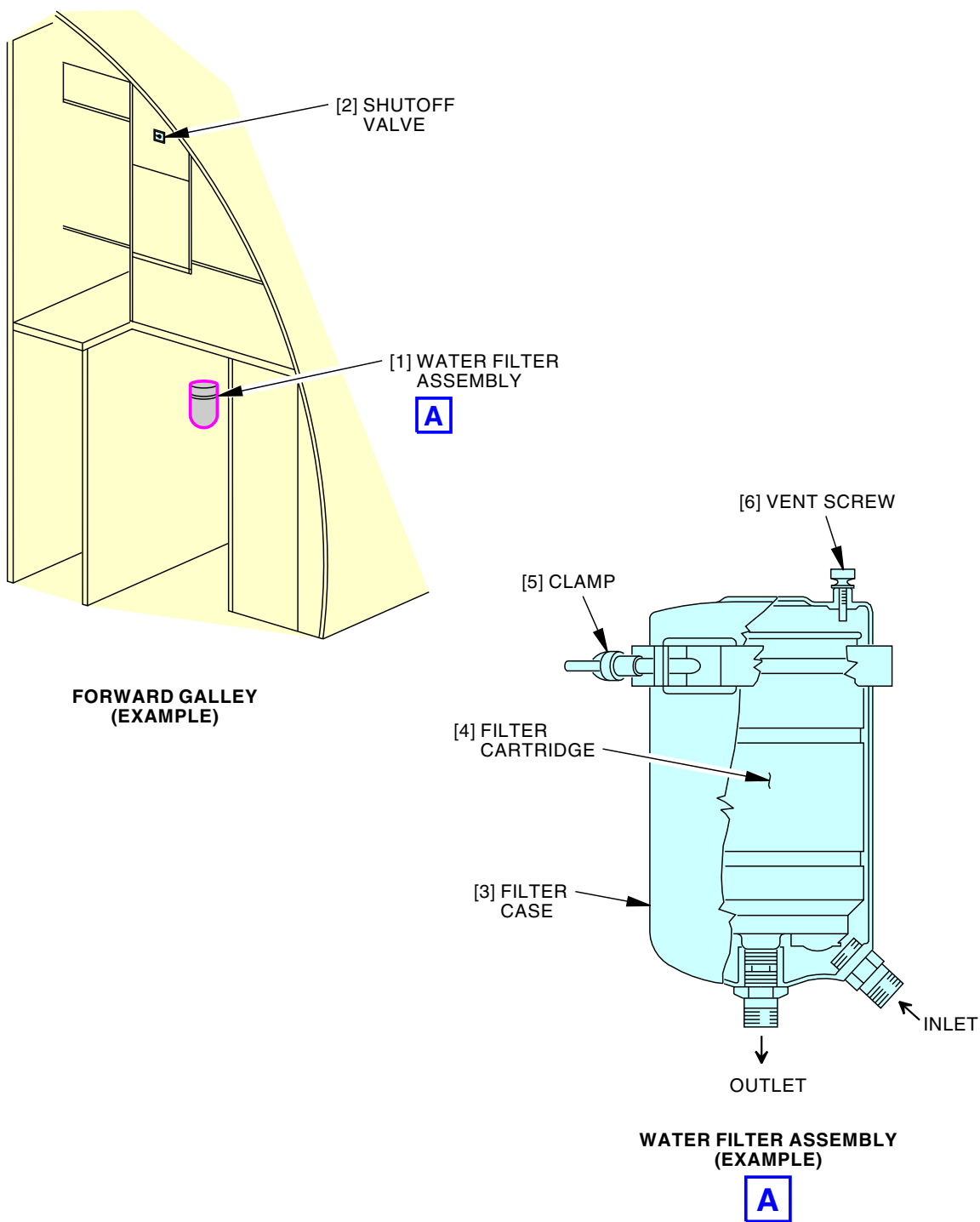
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Galley Water Filter
Figure 201/25-31-00-990-802

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GALLEY NO. 1 - MAINTENANCE PRACTICES

1. General

A. This procedure has these two tasks:

- (1) Galley No. 1 - Deactivation
- (2) Galley No. 1 - Activation

TASK 25-31-11-040-801

2. Galley No. 1 - Deactivation

A. General

- (1) This task will deactivate galley No. 1 power systems.

B. Location Zones

Zone	Area
118	Electrical and Electronics Compartment - Right
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

C. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

D. Deactivate Galley No. 1

SUBTASK 25-31-11-010-002

- (1) To get access to the P92 panel, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-31-11-860-005



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (2) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	10	C00242	GALLEY LTS
F	8	C00914	GALLEY BUS B

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E. Galley Power Systems - Tryout

NOTE: This tryout will make sure that the galley power systems are in a zero energy state.

SUBTASK 25-31-11-210-001

- (1) Make sure that the GALLEY POWER indicator light on the electrical control panel on the galley unit is off.

SUBTASK 25-31-11-420-001

- (2) Put the WORK LIGHT BRT/OFF/DIM switch on the galley electrical control panel to BRT or DIM position. Make sure the light does not come on.

SUBTASK 25-31-11-020-002

- (3) Put the WORK LIGHT BRT/OFF/DIM switch on the galley electrical control panel to the OFF position.

SUBTASK 25-31-11-410-005

- (4) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

————— **END OF TASK** —————

TASK 25-31-11-440-801

3. Galley No. 1 - Activation

A. General

- (1) This task will activate the galley No. 1 power systems.

B. Location Zones

<u>Zone</u>	<u>Area</u>
118	Electrical and Electronics Compartment - Right
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

C. Access Panels

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

D. Activate Galley No. 1

SUBTASK 25-31-11-010-003

- (1) To get access to the P92 panel, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-31-11-420-002



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (2) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	10	C00242	GALLEY LTS
F	8	C00914	GALLEY BUS B

SUBTASK 25-31-11-410-004

- (3) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

————— **END OF TASK** —————

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GALLEY NO. 1 - REMOVAL/INSTALLATION

1. General

- A. This procedure has these tasks:
- (1) Galley No. 1 Removal
 - (2) Galley No. 1 Installation
- B. The No. 1 galley unit is bolted to the airplane floor with floor-mounted fittings and are sealed to prevent penetration of moisture. Tie rods secure the upper attachment of the galley unit to the airplane structure. Electrical wiring and connectors supply electricity to operate the equipment and lighting in the work area. Water is supplied by the airplane potable water system. The galley sink is connected to the airplane drainage system.

TASK 25-31-11-000-801

2. Galley No. 1 - Removal

(Figure 401)

A. References

Reference	Title
25-21-34-000-801	Forward Galley Door Doorway Header Panel Removal (P/B 401)
25-21-35-020-801	Forward Galley Doorway Sidewall Lining Panel - Removal (P/B 401)
25-31-11-040-801	Galley No. 1 - Deactivation (P/B 201)
25-31-83-000-801	Forward Galley Header Removal (P/B 401)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
38-42-00-800-801	Potable Water System - Deactivation (P/B 201)

B. Location Zones

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

C. Prepare for the Removal

SUBTASK 25-31-11-040-001



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (1) Deactivate Galley No. 1 (TASK 25-31-11-040-801).

SUBTASK 25-31-11-020-003

- (2) Remove the light assembly for the floor proximity lights.
- (a) Do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.

SUBTASK 25-31-11-010-001

- (3) Remove the forward galley header, if it is necessary.
- (a) Do this task: Forward Galley Header Removal, TASK 25-31-83-000-801.

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SUBTASK 25-31-11-020-004

- (4) Remove the galley doorway header panel, if it is necessary.
 - (a) Do this task: Forward Galley Door Doorway Header Panel Removal, TASK 25-21-34-000-801.

SUBTASK 25-31-11-020-005

- (5) Remove the forward galley doorway sidewall lining panel, if it is necessary.
 - (a) Do this task: Forward Galley Doorway Sidewall Lining Panel - Removal, TASK 25-21-35-020-801.

SUBTASK 25-31-11-860-002

- (6) Deactivate the potable water system.
 - (a) Do this task: Potable Water System - Deactivation, TASK 38-42-00-800-801.

SUBTASK 25-31-11-020-006

- (7) Drain the water supply system.
 - (a) Put the water shutoff valve [16] in the open position.
 - (b) Make sure that all water is drained from the water supply connection [32] galley equipment.

SUBTASK 25-31-11-020-007

- (8) Remove the galley carts and all applicable inserts from the galley unit.

D. Galley (G1) Removal

SUBTASK 25-31-11-020-017

- (1) Remove the trim flange outboard top [2] from the galley unit, if applicable (View D, Figure 401).
 - (a) Remove the six screws [4] and washers [3] that attach the trim flange outboard top [2] to the galley unit.

SUBTASK 25-31-11-020-018

- (2) Remove the trim flange outboard bottom [5] from the galley unit, if applicable (View D, Figure 401).
 - (a) Remove the four screws [7] and washers [6] that attach the trim flange outboard bottom [5] to the galley unit.

SUBTASK 25-31-11-020-019

- (3) Remove the waste container [14] from the galley unit, if applicable (View A, Figure 401).

SUBTASK 25-31-11-020-020

- (4) Remove the box assembly from the galley unit, if applicable (View A, Figure 401).
 - (a) Remove all unwanted sealant to get access to the floor seal.
 - 1) Carefully remove the sealant to prevent damage to the galley mat.
 - (b) Remove the four inner screws and bushings from the left wall of the box assembly.
 - (c) Remove the four inner screws and bushings from the right wall of the box assembly.
 - (d) Remove the floor seal, if it is necessary.
 - (e) Carefully remove the box assembly to prevent damage to the galley mat.

SUBTASK 25-31-11-020-008

- (5) Disconnect the two electrical connectors [15] and the ground strap [21] (View B and View C, Figure 401).
 - (a) Open the ceiling access panel.

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- (b) Disconnect the two electrical connectors [15].
- (c) Disconnect the ground strap [21] from the ground stud [20].

SUBTASK 25-31-11-020-009

- (6) Disconnect the water supply connection [32] from the galley unit (View C, Figure 401).
 - (a) Cut the five tie straps [22] that attach the shroud [19] to the water connection.
 - (b) Disconnect the water supply connection [32] from the water supply line [18].

SUBTASK 25-31-11-020-010

- (7) Disconnect the door flexible duct [8] from the galley unit (View E, Figure 401).
 - (a) Get access to the door flexible duct [8] from the lower galley access panel.
 - (b) Loosen the hose clamp [10].
 - (c) Disconnect the door flexible duct [8]

SUBTASK 25-31-11-020-011

- (8) Disconnect the drain line [9] from the galley unit (View E, Figure 401).
 - (a) Get access to the drain line [9] line from the lower galley access panel.
 - (b) Loosen the hose clamp [10].
 - (c) Disconnect the drain line [9].

SUBTASK 25-31-11-020-012

- (9) Disconnect the tie rod [28] from the upper attachment fitting [17] (View H, Figure 401).
 - (a) Remove the quick-release pin [29] that attaches the tie rod [28] to the upper attachment fitting [17].
 - (b) Disconnect the tie rod [28] from the upper attachment fitting [17].

SUBTASK 25-31-11-140-001

- (10) Remove all unwanted sealant to get access to the floor fitting fasteners, the stabilizer (if it is necessary) and the floor seal.
 - (a) Carefully remove the sealant to prevent damage to the galley mat.

SUBTASK 25-31-11-020-013

- (11) Remove the cover plates [33] from the floor fittings [23] and the floor fittings [24] on the galley unit (View F and View G, Figure 401).
 - (a) Remove the three screws [34] that attach the cover plate [33] to the floor fitting [24] (2 locations).
 - (b) Remove the four screws [34] that attach the cover plate [33] to the floor fitting [23] (2 locations).

SUBTASK 25-31-11-020-022

- (12) If installed, remove the stabilizer [35] as follows:
 - (a) Remove the bolts [36] and washers [37] from the floor panel.
 - (b) Move the stabilizer [35] from the galley panel.



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SUBTASK 25-31-11-160-001



USE NITRILE GLOVES FOR SKIN PROTECTION WHEN YOU USE COR-BAN 27L, G50237. IF IT GETS ON YOUR SKIN, IMMEDIATELY REMOVE IT WITH WATER. IF THIS MATERIAL GETS IN YOUR EYES, IMMEDIATELY FLUSH YOUR EYES WITH WATER. GET MEDICAL AID. THIS MATERIAL CONTAINS FLAMMABLE AGENTS WHICH CAN CAUSE INJURIES TO PERSONNEL.

- (13) If it is necessary, remove the grease from the bolts [25].

SUBTASK 25-31-11-020-015

- (14) Remove the two bolts [25], washers [26], and shims [27] at the four hard point locations (View F and View G, Figure 401).
- (a) Record the location and quantity of shims [27] for the subsequent installation.

SUBTASK 25-31-11-020-021

- (15) If installed, remove the floor seal [31] between the galley wall panels, the galley mat and the floor fittings.

SUBTASK 25-31-11-020-016

- (16) Carefully remove the Galley No. 1 [1] to prevent damage to the galley mat.

———— **END OF TASK** ————

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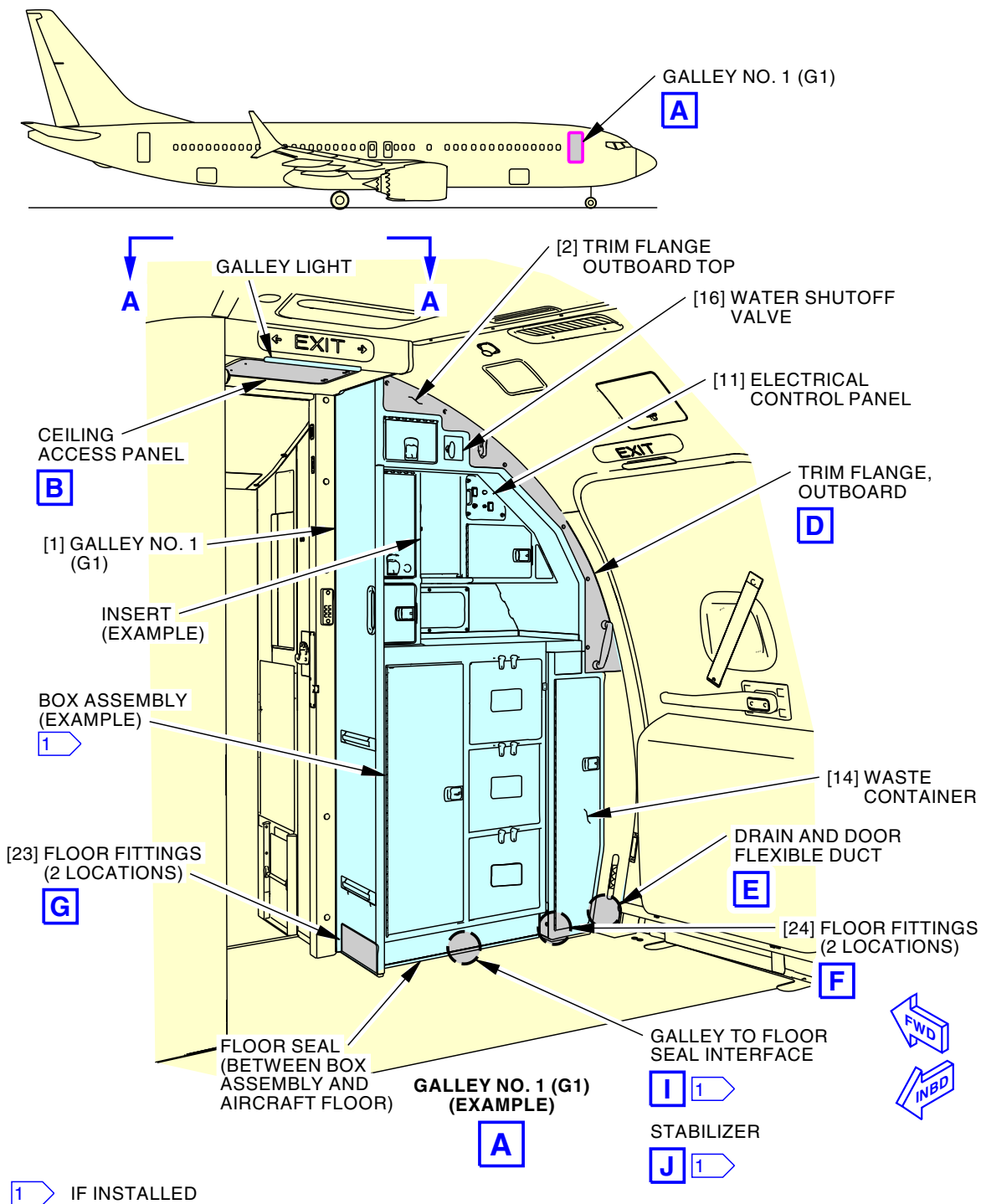
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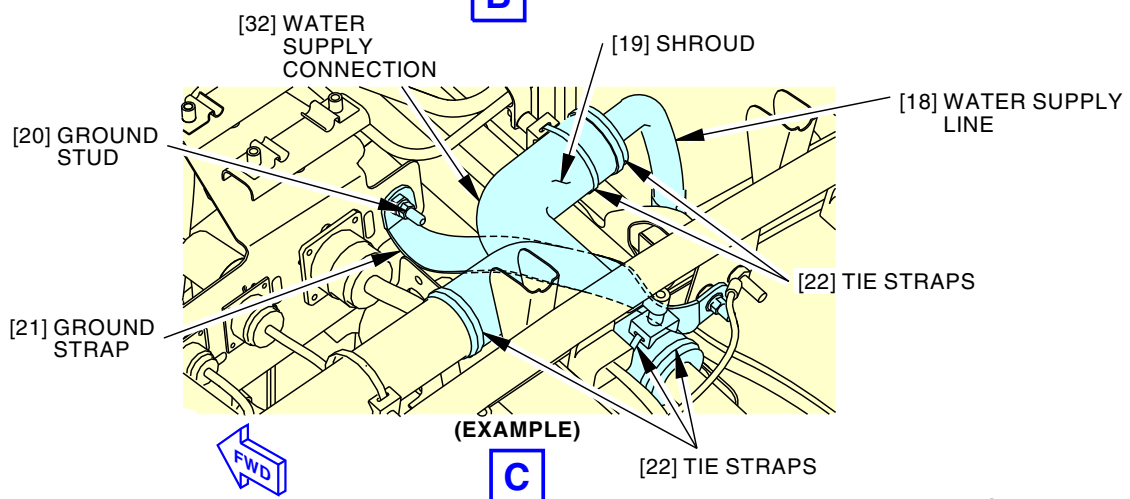
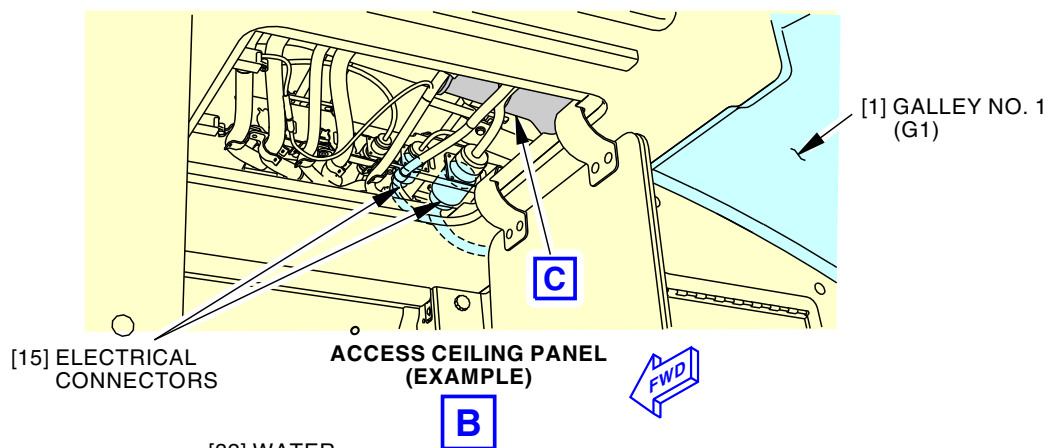
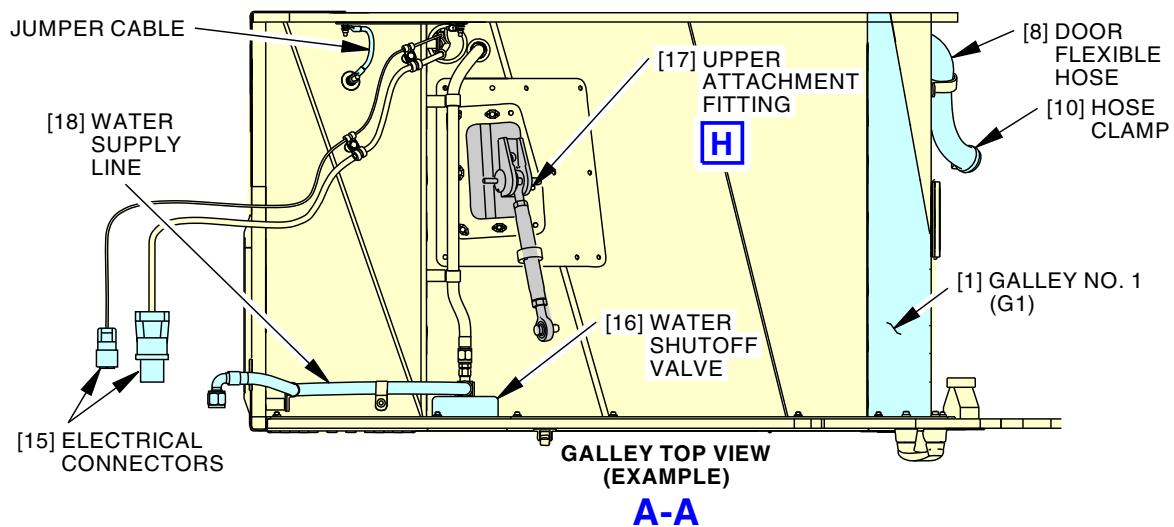
Galley No. 1 (G1) Installation
Figure 401/25-31-11-990-801 (Sheet 1 of 5)

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Galley No. 1 (G1) Installation
Figure 401/25-31-11-990-801 (Sheet 2 of 5)

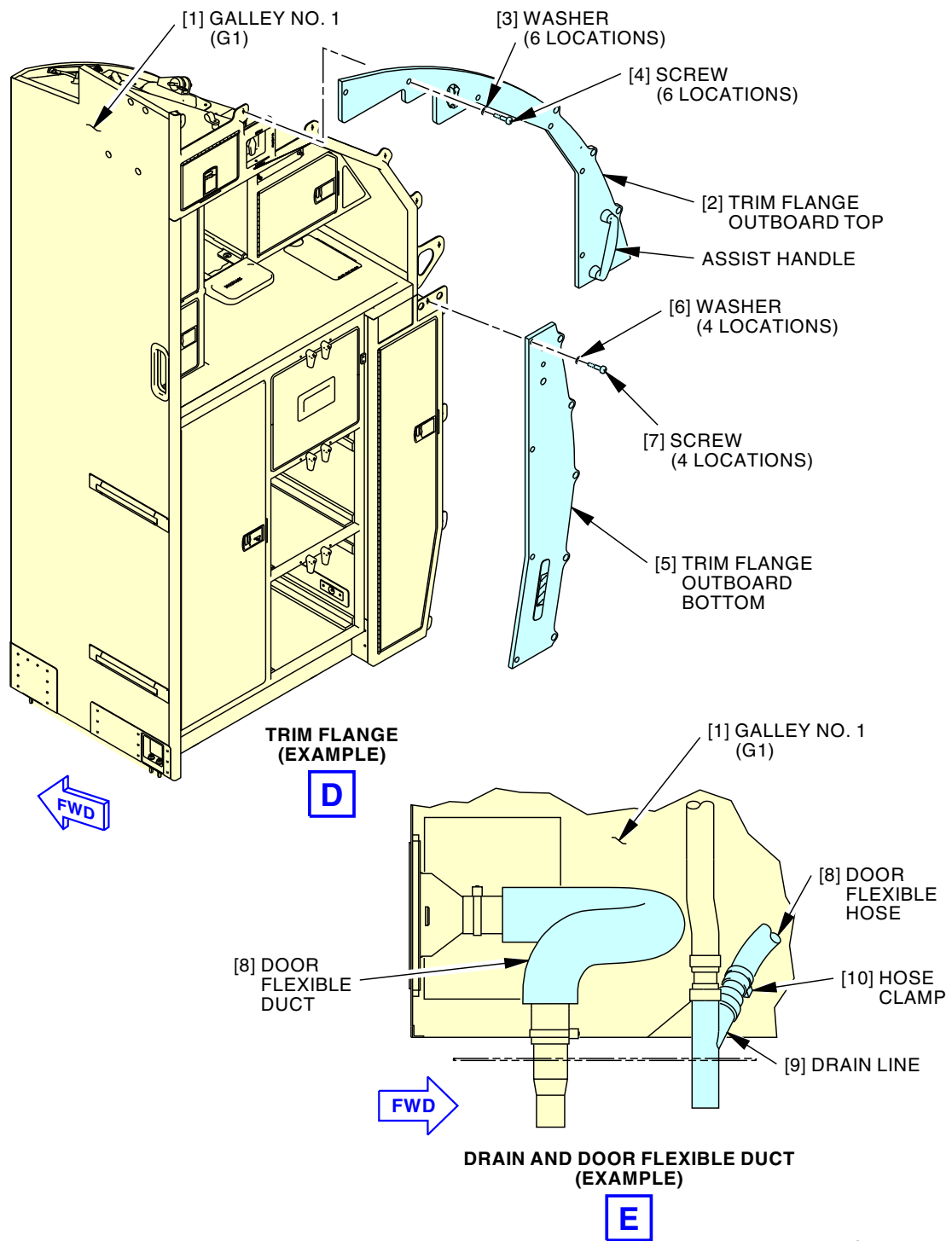
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Galley No. 1 (G1) Installation
Figure 401/25-31-11-990-801 (Sheet 3 of 5)

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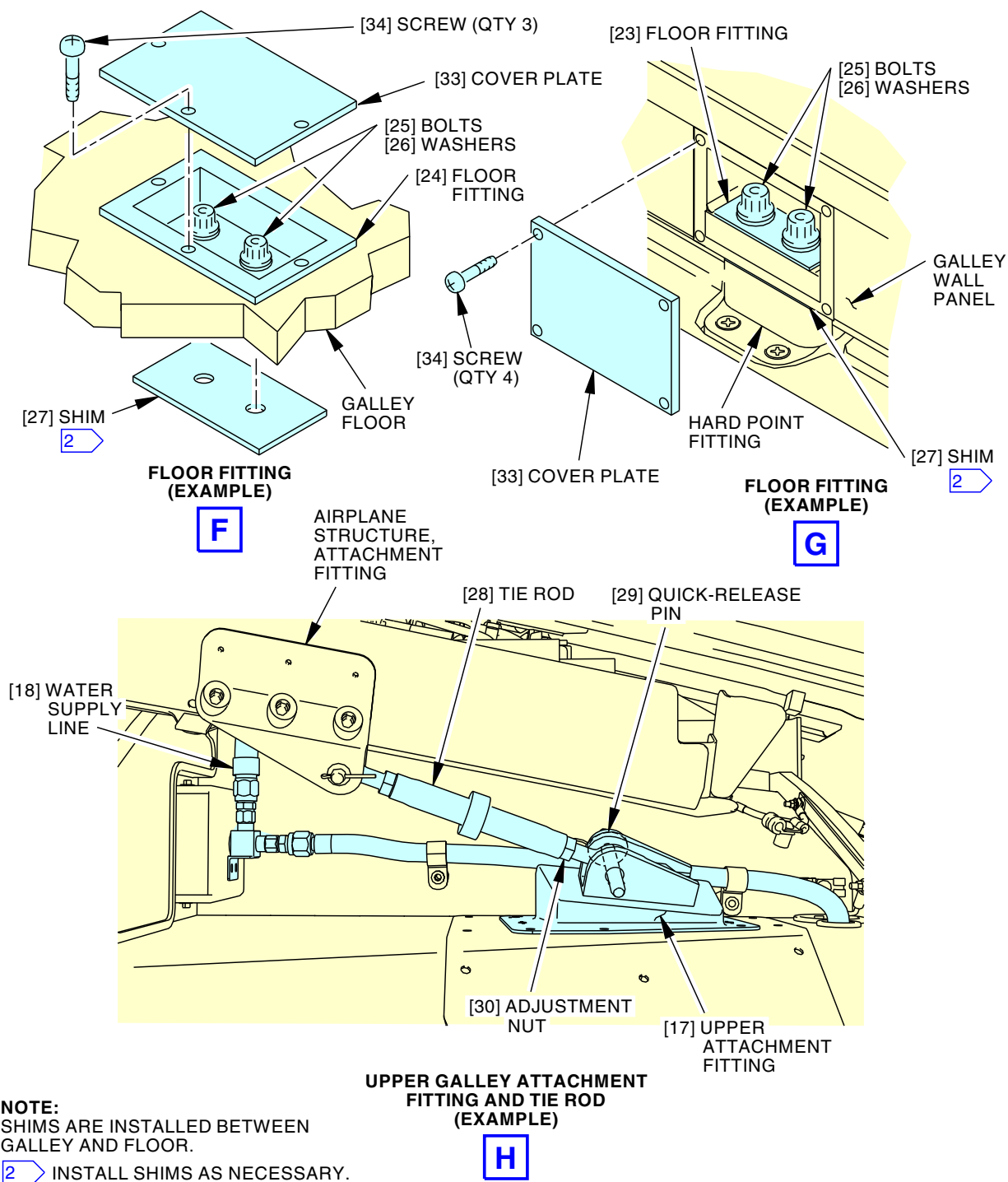
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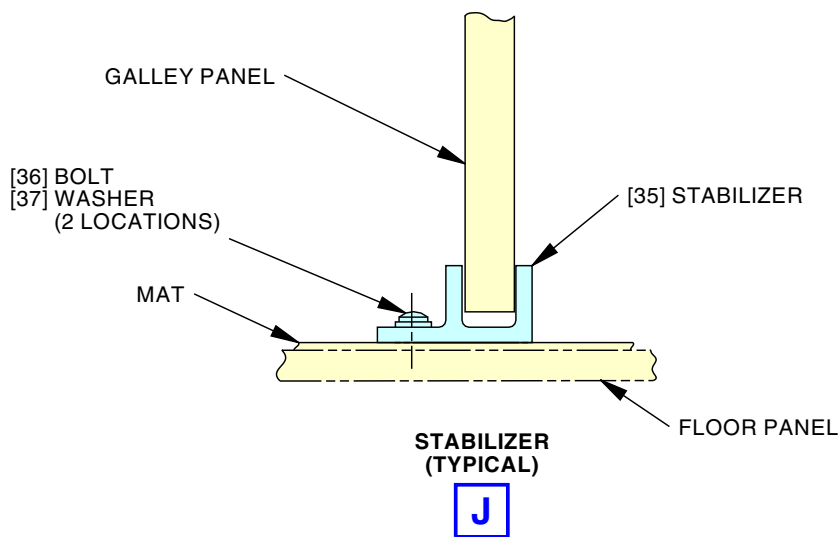
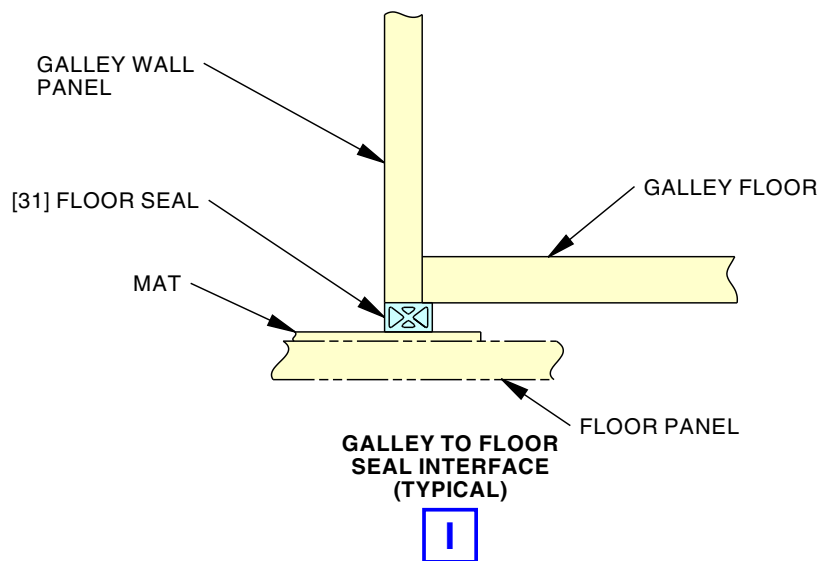
Galley No. 1 (G1) Installation
Figure 401/25-31-11-990-801 (Sheet 4 of 5)

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Galley No. 1 (G1) Installation
Figure 401/25-31-11-990-801 (Sheet 5 of 5)

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TASK 25-31-11-400-801

3. Galley No. 1 - Installation

(Figure 401)

A. References

Reference	Title
25-21-34-400-801	Forward Galley Door Doorway Header Panel Installation (P/B 401)
25-21-35-420-801	Forward Galley Doorway Sidewall Lining Panel - Installation (P/B 401)
25-27-21-400-801	Entry and Service Area Floor Covering - Installation (P/B 401)
25-31-11-440-801	Galley No. 1 - Activation (P/B 201)
25-31-83-400-801	Forward Galley Header Installation (P/B 401)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
38-10-00-600-801	Potable Water System Disinfectant (P/B 201)
38-42-00-800-801	Potable Water System - Deactivation (P/B 201)
38-42-00-800-802	Potable Water System - Activation (P/B 201)
51-22-00-390-806	Fillet Seal Application (P/B 201)

B. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 60
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 109
A50030	Adhesive - Translucent RT Vulcanizing Silicone Rubber - RTV6708	BAC5010 Type 109 Grade 2
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796 Class III
G50237	Compound - Corrosion Inhibiting, Non-drying - Cor-Ban 27L	BMS3-38

C. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Galley No. 1	25-31-11-05A-045	SIA ALL
22	Tie strap	38-10-51-02-030	SIA ALL
27	Shim	25-31-11-05A-030	SIA ALL
31	Floor seal	25-31-11-05A-035	SIA ALL

D. Location Zones

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

E. Prepare for the Installation

SUBTASK 25-31-11-210-003

- (1) Make sure that the floor seals and water barrier on the galley floor are not damaged.
 - (a) Do this task: Entry and Service Area Floor Covering - Installation,
TASK 25-27-21-400-801.

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SUBTASK 25-31-11-110-001

- (2) Clean the galley mat with solvent, B00083.
 - (a) Repair the galley mat, if it is necessary.

F. Galley No. 1 Installation

SUBTASK 25-31-11-420-003

- (1) Carefully move the galley unit inboard near the installed position.
NOTE: Do not to damage the galley mat when you install the galley unit.

SUBTASK 25-31-11-420-017

- (2) Connect the ground strap [21] to the ground stud [20] (View C, Figure 401).
 - (a) Do a resistance check of the static ground from the ground stud [20] on the galley unit to the airplane ground stud.
 - (b) Make sure that the resistance is a maximum of 0.0025 Ohms (2.5 milliohms).

SUBTASK 25-31-11-420-005

- (3) Connect the two electrical connectors [15].

SUBTASK 25-31-11-420-006

- (4) Put the wires through the panel for the exit light.
NOTE: Exit sign installed near the entry door.

SUBTASK 25-31-11-420-007

- (5) Align the Galley No. 1 [1] to the correct, installed position.

SUBTASK 25-31-11-420-008

- (6) Connect the water supply system (View C, Figure 401).
 - (a) Open the ceiling access door.
 - (b) Connect the water supply connection [32] at the top of the galley.
 - (c) Install the shroud [19] on the water supply connection [32] and secure with the five new tie straps [22].

SUBTASK 25-31-11-420-009

- (7) Loosely install the bolts [25], washers [26], and shims [27] at the four floor hard points.
NOTE: This prevents the galley unit from movement when the floor seal is installed.
NOTE: Install the shims in the same locations as recorded when removed. The maximum is three shims per attachment fitting.

SUBTASK 25-31-11-420-025

- (8) Install the new floor seal [31] below the cart compartment walls and the wall adjacent to the airplane door. Bond the floor seals with adhesive, A00027, or adhesive, A00930 (View I, Figure 401).
 - (a) If it is necessary, cut the seal on installation.
 - (b) In view areas, make sure that the seal is one continuous piece.
 - 1) For corners, use a 90° arc (2 rad) bevel cut, if it is necessary.
 - a) Do not cut all the way through the seal.
 - (c) Fillet seal to the galley mat, floor fittings and the galley (TASK 51-22-00-390-806).
 - 1) Fill ends, if it is necessary.
 - 2) Apply enough sealant to produce squeeze out.

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- 3) Clean to a smooth, continuous fillet seal.
- (d) Do not install on the stabilizer wall panel.

SUBTASK 25-31-11-420-026

- (9) Install the stabilizer [35] as necessary, as follows (View J):
 - (a) Align the stabilizer [35] with the galley panel and the holes in the mat.
 - (b) Apply RTV6708 adhesive, A50030, to the shank and threads on each bolt [36].
 - (c) Apply RTV6708 adhesive, A50030, to each washer [37].
 - (d) Install the bolts [36] and washers [37] to attach the stabilizer [35] to the floor panel.
 - 1) Torque the bolts [36] to 22.5 $\pm$ 2.5 in-lb (2.5 $\pm$ 0.3 N·m).
 - (e) Fillet seal the stabilizer to the floor mat and the galley wall with adhesive, A00027, or adhesive, A00930 (TASK 51-22-00-390-806).

SUBTASK 25-31-11-420-010

- (10) Remove the loosely installed bolts [25] and washers [26] at the four floor hard points.
- (11) Make sure that the shims [27] are in the correct position.



USE NITRILE GLOVES FOR SKIN PROTECTION WHEN YOU USE COR-BAN 27L, G50237. IF IT GETS ON YOUR SKIN, IMMEDIATELY REMOVE IT WITH WATER. IF THIS MATERIAL GETS IN YOUR EYES, IMMEDIATELY FLUSH YOUR EYES WITH WATER. GET MEDICAL AID. THIS MATERIAL CONTAINS FLAMMABLE AGENTS WHICH CAN CAUSE INJURIES TO PERSONNEL.

- (12) Apply preferred Cor-Ban 27L Compound, G50237 (but compound, C00528 may be used), to each bolt [25].
- (13) Apply preferred Cor-Ban 27L Compound, G50237 (but compound, C00528 may be used), to each washer [26].
- (14) Install the bolts [25] and washers [26] to attach the galley unit and the shims [27] to the four floor hard points.
 - (a) Torque the bolts [25] to 107.5 $\pm$ 17.5 in-lb (12.1 $\pm$ 2.0 N·m).

SUBTASK 25-31-11-420-018

- (15) Install the two floor fitting cover plates [33] on the floor fittings [24] (View F, Figure 401).
 - (a) Install the three screws [34] to attach the cover plate [33] to the floor fitting [24] (2 locations).
 - (b) Fillet seal the two cover plates [33] with adhesive, A00027, or adhesive, A00930 (TASK 51-22-00-390-806).

SUBTASK 25-31-11-420-011

- (16) Install the two floor fitting cover plates [33] on the floor fittings [23] and (View G, Figure 401).
 - (a) Install the four screws [34] to attach the cover plates [33] to the floor fitting [23] (2 locations).
 - (b) Fillet seal the two cover plates [33] with adhesive, A00027, or adhesive, A00930 (TASK 51-22-00-390-806).

SUBTASK 25-31-11-820-001

- (17) Connect the tie rod [28] to the upper attachment fitting [17] (View H, Figure 401).
 - (a) Connect the tie rod [28] to the upper attachment fitting [17].

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- (b) Turn the adjustment nut [30] to get the correct clearance between the jam nut and overhead support.
- (c) After adjustment, make sure that the thread of the tie rod [28] blocks the inspection hole in the body of the tie rod.
- (d) Tighten the jam nut.
- (e) Install the quick-release pin [29].

SUBTASK 25-31-11-420-012

- (18) Connect the galley water supply and water waste drain line.
 - (a) Get access to the drain line [9] line through the lower outboard access panel.
 - (b) Connect the galley water supply connection [32] to the water supply line [18].
 - (c) Connect the galley waste drain line [9] hose to the airplane drain fitting.
 - (d) Tighten the hose clamp [10] on the drain line.

SUBTASK 25-31-11-420-013

- (19) Connect the door flexible duct [8].
 - (a) Get access to the door flexible duct [8] through the lower outboard access panel.
 - (b) Tighten the hose clamp [10] on the door flexible duct [8].

SUBTASK 25-31-11-420-022

- (20) Install the box assembly in the cart compartment (View A, Figure 401), if applicable:
 - (a) Carefully position the box assembly in the galley to prevent damage to the galley mat.
 - (b) Install the new floor seal [31] below the front box assembly wall. Bond the floor seal with adhesive, A00027, or adhesive, A00930 (View I, Figure 401).
 - 1) Make sure that the seal is one continuous piece.
 - 2) Fillet seal to the galley mat and the box assembly (TASK 51-22-00-390-806).
 - a) Fill ends, if it is necessary.
 - b) Apply enough sealant to produce squeeze out.
 - c) Clean to a smooth, continuous fillet seal.
 - (c) Install the four inner screws and bushings to the left wall of the box assembly.
 - (d) Install the four inner screws and bushings to the right wall of the box assembly.

SUBTASK 25-31-11-390-001

- (21) In the galley wet area, apply a fillet seal to galley kickstrip retainer or kick plate with adhesive, A00027 or adhesive, A00930.

G. Put the Airplane Back to Its Usual Condition

SUBTASK 25-31-11-420-021

- (1) Install the light assembly for the floor proximity lights.
 - (a) Do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.

SUBTASK 25-31-11-410-001

- (2) Install the forward galley doorway header panel, if removed.
 - (a) Do this task: Forward Galley Door Doorway Header Panel Installation, TASK 25-21-34-400-801.

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SUBTASK 25-31-11-410-002

- (3) Install the forward galley doorway sidewall lining panel, if removed.
 - (a) Do this task: Forward Galley Doorway Sidewall Lining Panel - Installation, TASK 25-21-35-420-801.

SUBTASK 25-31-11-410-003

- (4) Install the forward galley header.
 - (a) Do this task: Forward Galley Header Installation, TASK 25-31-83-400-801.

SUBTASK 25-31-11-420-023

- (5) Install the waste container [14] in the waste compartment (View A, Figure 401).

SUBTASK 25-31-11-420-016

- (6) Install the applicable inserts that were removed from the galley unit.

H. Installation Tests

SUBTASK 25-31-11-440-001



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (1) Activate Galley No. 1 (TASK 25-31-11-440-801).

SUBTASK 25-31-11-710-006

- (2) Galley unit AREA LIGHT operational test.
 - (a) On the electrical control panel [11], put the AREA LIGHT switch in the OFF/DIM/BRT positions to do an operational test.
 - 1) OFF - Make sure that the area light is not on.
 - 2) DIM - Make sure that the area light comes on dim.
 - 3) BRT - Make sure that the area light comes on bright.

SUBTASK 25-31-11-710-007

- (3) Galley unit WORK LIGHT operational test.
 - (a) On the electrical control panel [11], put the WORK LIGHT switch in the OFF/DIM/BRT positions to do an operational test.
 - 1) OFF - Make sure that the area light is not on.
 - 2) DIM - Make sure that the area light comes on dim.
 - 3) BRT - Make sure that the area light comes on bright.

SUBTASK 25-31-11-710-001

- (4) Make sure that the electrical components on Galley No. 1 [1] operate correctly.
 - (a) Make sure that the exit light comes on, if installed.
 - (b) Make sure that the floor proximity lights come on.
 - (c) Make sure that the No Smoking Fasten Seat Belt sign comes on, if installed.

SUBTASK 25-31-11-710-005

- (5) Do the leak check of the galley water connections.
 - (a) Do this task: Potable Water System - Activation, TASK 38-42-00-800-802.

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- (b) Open the water faucets in the galley and let the water flow for 2 minutes.
- (c) Close the water faucets.
- (d) Keep the pressure for at least 5 minutes.
- (e) Do a visual check to make sure that there are no leaks at the water connections.
- (f) Do this task: Potable Water System - Deactivation, TASK 38-42-00-800-801.

SUBTASK 25-31-11-420-027

- (6) Install the trim flange outboard bottom [5] on the galley unit, if applicable (View D, Figure 401).
 - (a) Install the four screws [7] and washers [6] to attach the trim flange outboard bottom [5] to the galley unit.

SUBTASK 25-31-11-420-028

- (7) Install the trim flange outboard top [2] on the galley unit, if applicable (View D, Figure 401).
 - (a) Install the six screws [4] and washers [3] to attach the trim flange outboard top [2] to the galley unit.

SUBTASK 25-31-11-670-001

- (8) Clean the potable water system.
 - (a) Do this task: Potable Water System Disinfectant, TASK 38-10-00-600-801.

———— **END OF TASK** ————

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AIRCRAFT MAINTENANCE MANUAL
GALLEY NO. 2 - MAINTENANCE PRACTICES

1. General

- A. This procedure has these tasks:
- (1) Galley No. 2 - deactivation.
 - (2) Galley No. 2 - activation

TASK 25-31-21-040-801

2. Galley No. 2 - Deactivation

A. General

- (1) This task will deactivate the Galley Power Systems.

B. References

Reference	Title
WDM 25-31-11	Wiring Diagram Manual

C. Location Zones

Zone	Area
118	Electrical and Electronics Compartment - Right
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

D. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

E. Galley No. 2 - Deactivation

SUBTASK 25-31-21-010-004

- (1) To get access to the P92 panel, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

NOTE: Please refer to WDM 25-31-11 to determine which CB to pull for a specific galley.

SUBTASK 25-31-21-860-001



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (2) Open this circuit breaker and install safety tag:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	7	C00912	GALLEY BUS A

F. Galley Power Systems - Tryout

NOTE: This tryout is to make sure that the galley power systems are in a zero energy state.

SUBTASK 25-31-21-210-001

- (1) Make sure that the Power On indicator light on the galley is off.

SUBTASK 25-31-21-420-001

- (2) Turn the work light switch on the galley control panel to the BRT or DIM position.
(a) Make sure that the work light does not come on.

SUBTASK 25-31-21-020-001

- (3) Turn the work light switch on the galley control panel to the OFF position.

SUBTASK 25-31-21-410-017

- (4) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

————— **END OF TASK** —————

TASK 25-31-21-440-801

3. Galley No. 2 - Activation

A. General

- (1) This task will activate the Galley Power Systems.

B. References

<u>Reference</u>	<u>Title</u>
WDM 25-31-11	Wiring Diagram Manual

C. Location Zones

<u>Zone</u>	<u>Area</u>
118	Electrical and Electronics Compartment - Right
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

D. Access Panels

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

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E. Galley No. 2 - Activation

SUBTASK 25-31-21-010-005

- (1) To get access to the P92 panel, open this access panel:

<u>Number</u>	<u>Name/Location</u>

117A	Electronic Equipment Access Door

NOTE: Please refer to WDM 25-31-11 to determine which CB to pull for a specific galley.

SUBTASK 25-31-21-420-002



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (2) Remove the safety tag and close this circuit breaker:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	7	C00912	GALLEY BUS A

SUBTASK 25-31-21-410-014

- (3) Close this access panel:

<u>Number</u>	<u>Name/Location</u>

117A	Electronic Equipment Access Door

————— **END OF TASK** —————

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AIRCRAFT MAINTENANCE MANUAL
GALLEY NO. 2 - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Galley No. 2 - Removal
- (2) Galley No. 2 - Installation.
- (3) Galley No. 2A Removal
- (4) Galley No. 2A Installation.

TASK 25-31-21-000-801

2. Galley No. 2 - Removal

(Figure 401)

A. General

- (1) Be careful during the removal of the galley to prevent damage to the galley mat. The galley mat is a cover of the floor panels in the galley area.

B. References

Reference	Title
25-21-34-000-801	Forward Galley Door Doorway Header Panel Removal (P/B 401)
25-21-35-020-801	Forward Galley Doorway Sidewall Lining Panel - Removal (P/B 401)
25-31-21-040-801	Galley No. 2 - Deactivation (P/B 201)
25-31-83-000-801	Forward Galley Header Removal (P/B 401)
38-42-00-800-801	Potable Water System - Deactivation (P/B 201)

C. Location Zones

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

D. Prepare for Removal

SUBTASK 25-31-21-860-002



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (1) Deactivate Galley No. 2 (TASK 25-31-21-040-801).

SUBTASK 25-31-21-020-015

- (2) If necessary, remove the equipment or furnishings that are attached to the galley [1].

SUBTASK 25-31-21-020-002

- (3) Do this task: Forward Galley Header Removal, TASK 25-31-83-000-801.

SUBTASK 25-31-21-020-003

- (4) Do this task: Forward Galley Door Doorway Header Panel Removal, TASK 25-21-34-000-801.

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SUBTASK 25-31-21-020-004

- (5) Do this task: Forward Galley Doorway Sidewall Lining Panel - Removal, TASK 25-21-35-020-801.

SUBTASK 25-31-21-020-005

- (6) Do this task: Potable Water System - Deactivation, TASK 38-42-00-800-801.

NOTE: Galley G2A does not have a potable water system.

SIA 001-014

SUBTASK 25-31-21-680-001

- (7) Drain the water from the applicable galley equipment.

NOTE: Galley G2A does not have galley equipment to drain.

SIA ALL

SUBTASK 25-31-21-860-003

- (8) Prepare the galley [1] for the removal procedure.
- (a) Make sure that power is removed from the galley equipment.
 - (b) Remove the equipment from the galley [1] before doing the procedure.
 - (c) Remove the necessary access panels from the galley [1] to complete the task.
 - (d) Remove the necessary trim panels from the galley [1] to complete the task.

SIA 001-014

SUBTASK 25-31-21-010-001

- (9) Remove the drain access cover [25].

SUBTASK 25-31-21-020-006

- (10) Through the lower access cover [25], loosen the clamp [26], then disconnect the drain line [24].

NOTE: The drain connection is on galley G2 only.

SIA ALL

SUBTASK 25-31-21-010-002

- (11) Access the tie rod area, as follows:
- (a) Open the applicable galley panel.
 - (b) Remove the bolts [4], washers [3], and access cover [2].

SUBTASK 25-31-21-020-016

- (12) Disconnect the water connection [6] above the top of the galley [1].

NOTE: The water connection [6] is on galley G2 only.

SUBTASK 25-31-21-160-001

- (13) Remove all unwanted sealant to get access to the floor fitting fasteners, the stabilizer (if necessary) and the floor seals.
- (a) Carefully remove the sealant to prevent damage to the galley mat.

E. Galley No. 2 Removal

SUBTASK 25-31-21-020-007

- (1) Disconnect the tie rod [7].
- (a) Remove the quick-release pin [10] that attaches the tie rod [7] to the lug fitting [8].

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SUBTASK 25-31-21-020-008

- (2) To remove the galley floor hard points, do these steps:

NOTE: The hard points are on galley G2 only.



USE NITRILE GLOVES FOR SKIN PROTECTION WHEN YOU USE COR-BAN 27L, G50237. IF IT GETS ON YOUR SKIN, IMMEDIATELY REMOVE IT WITH WATER. IF THIS MATERIAL GETS IN YOUR EYES, IMMEDIATELY FLUSH YOUR EYES WITH WATER. GET MEDICAL AID. THIS MATERIAL CONTAINS FLAMMABLE AGENTS WHICH CAN CAUSE INJURIES TO PERSONNEL.

- (a) Remove the grease from the attachment fitting to get access to the fasteners, if necessary.
- (b) If necessary, remove the forward caster guide from the inboard hard point(s).
- (c) Remove the bolts [14], washers [15], and shims [16] at the four hard point locations.
 - 1) Record the quantity of shims for a given location when you remove the shims.
 - 2) Keep the shims for the galley installation.

SIA 001-014

SUBTASK 25-31-21-020-009

- (3) Remove the stabilizer [23], as follows:

NOTE: The stabilizer [23] is on galley G2 only.

- (a) Remove the bolts [17], washers [18], and nuts [19] at the bearing block [20].
- (b) Remove the bearing block [20].
- (c) Remove the bolts [21] and washers [22] at the stabilizer [23].
- (d) Remove the stabilizer [23].

SIA ALL

SUBTASK 25-31-21-020-010

- (4) If necessary, move the galley [1] out slightly for easier access to the electrical connectors [11] and ground stud.

SUBTASK 25-31-21-020-011

- (5) Disconnect the electrical power at the connections above the galley.
- (a) Disconnect the electrical connectors [11].

SUBTASK 25-31-21-020-012

- (6) Remove the nut [13], washer [12], and ground strap [9] from the ground stud at the top of the galley [1].

SUBTASK 25-31-21-020-032

- (7) If installed, remove the floor seal between the galley wall panel, the galley mat and the floor fittings.

SUBTASK 25-31-21-020-013

- (8) Carefully remove the galley [1] to prevent damage to the galley mat.

————— **END OF TASK** —————

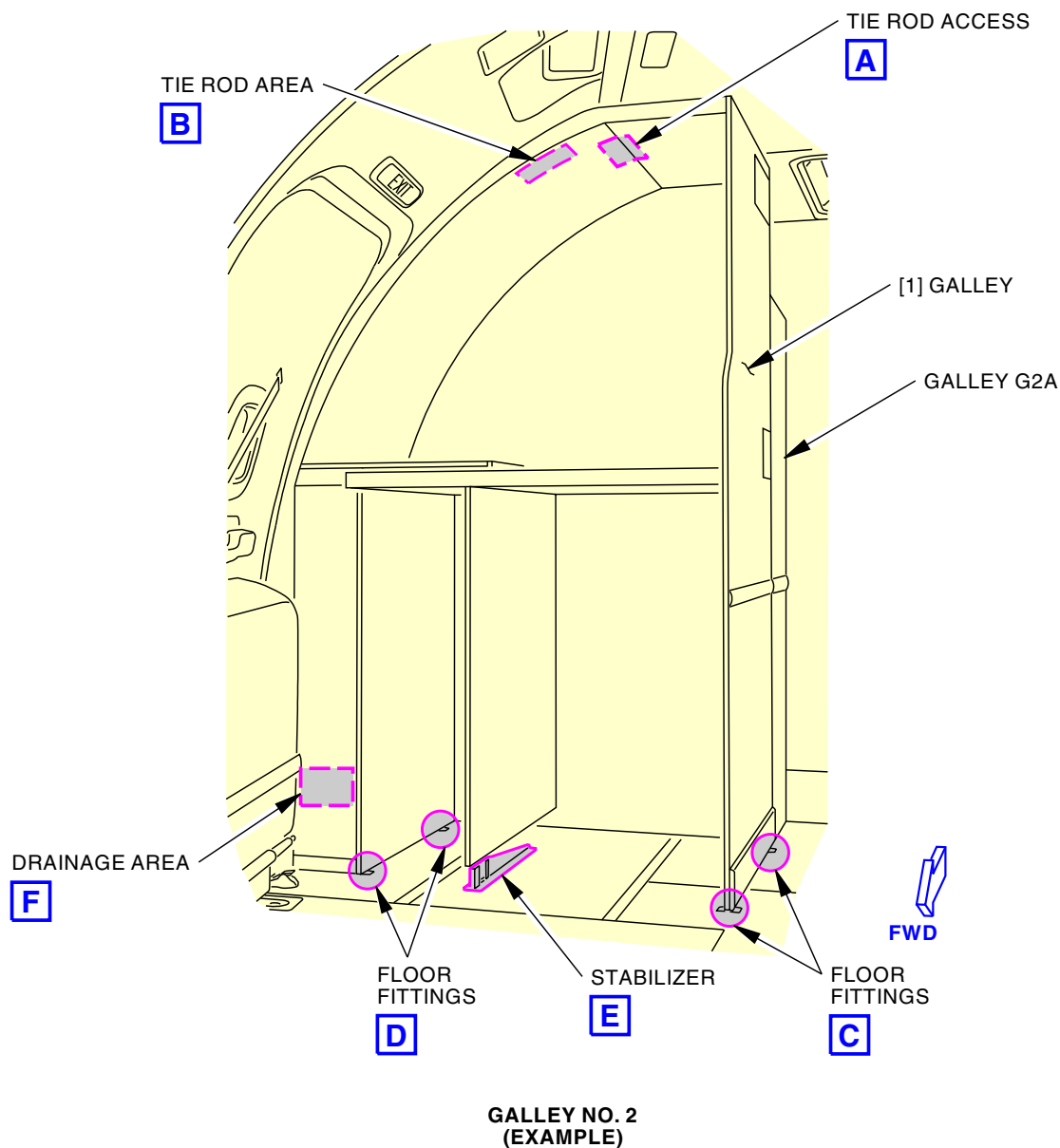
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Galley No. 2 Installation
Figure 401/25-31-21-990-801 (Sheet 1 of 6)

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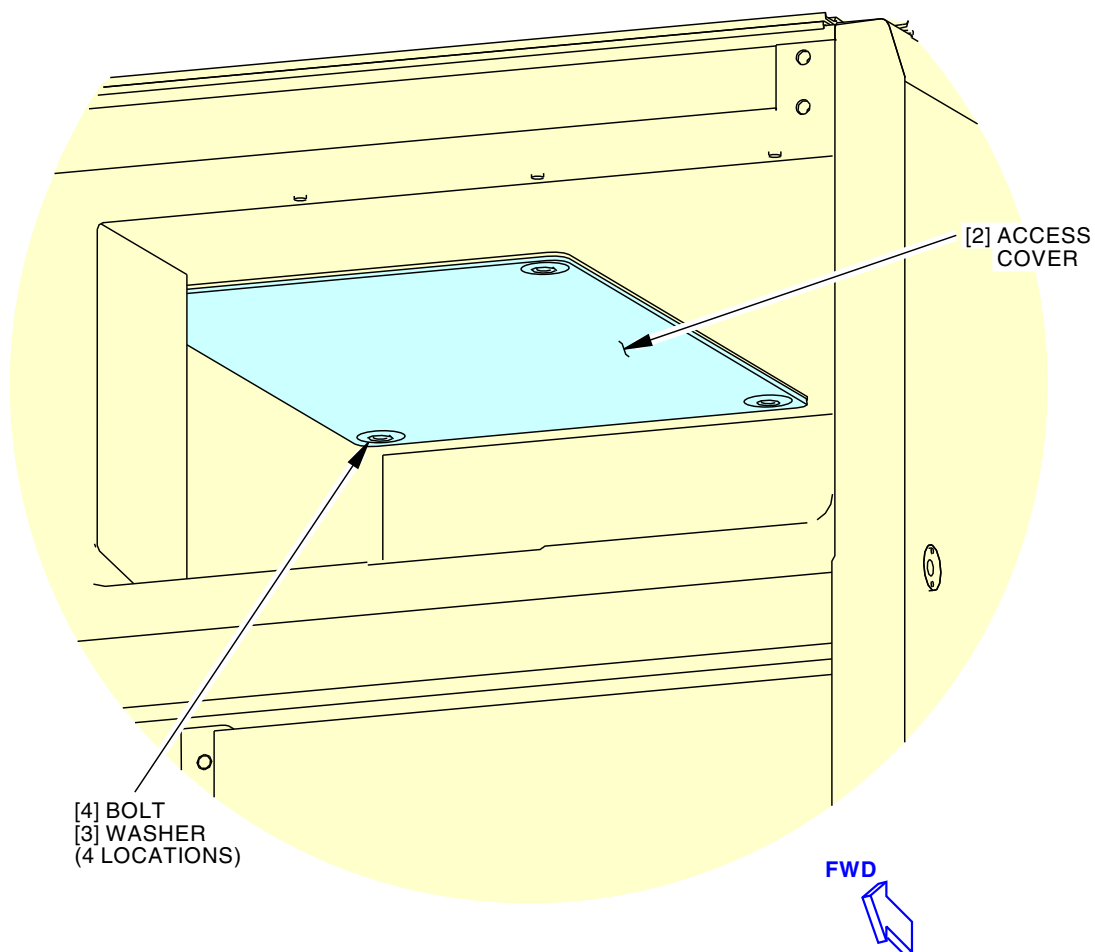
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TIE ROD ACCESS
(FRONT PANEL IS NOT SHOWN)
(EXAMPLE)

A

2791441 S0000634759_V1

Galley No. 2 Installation
Figure 401/25-31-21-990-801 (Sheet 2 of 6)

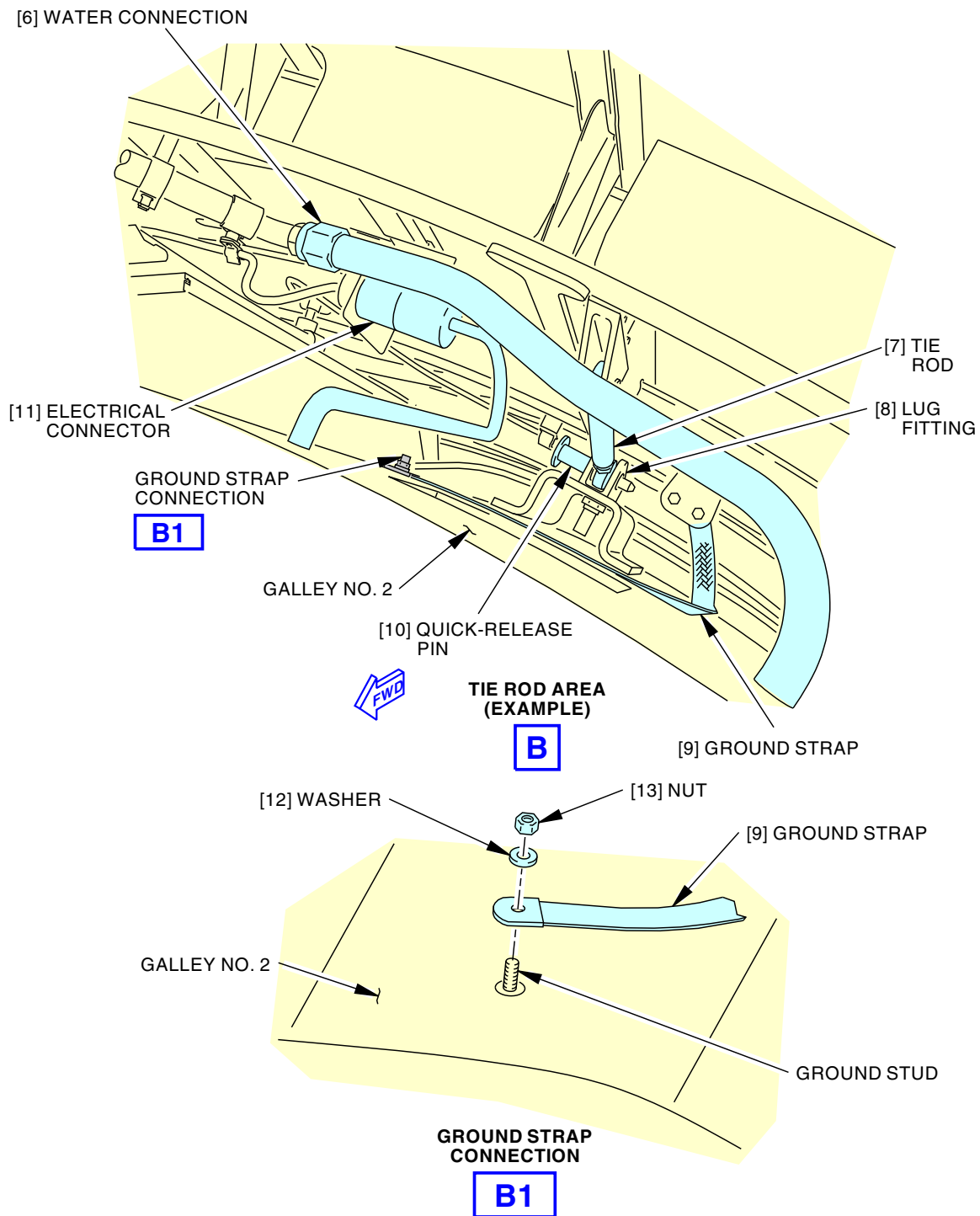
EFFECTIVITY
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2546958 S0000605737_V2

Galley No. 2 Installation
Figure 401/25-31-21-990-801 (Sheet 3 of 6)

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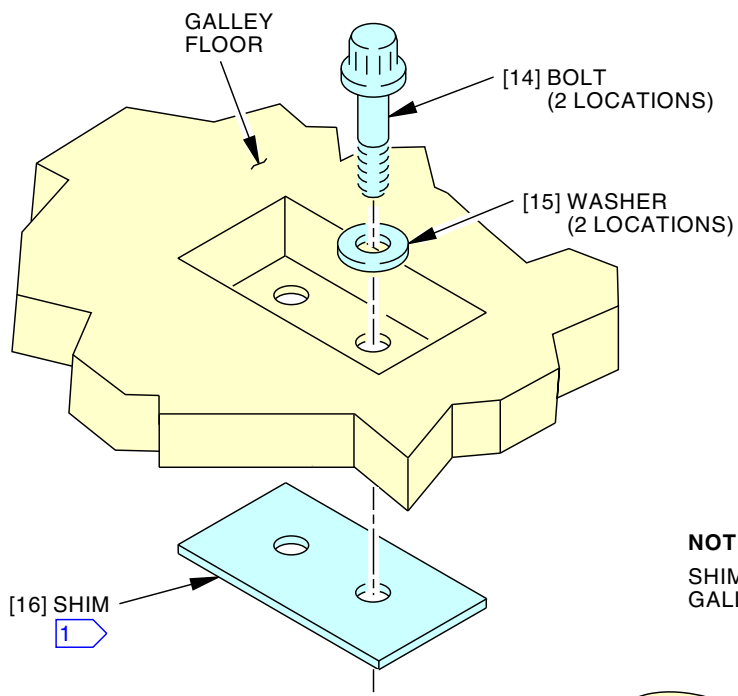
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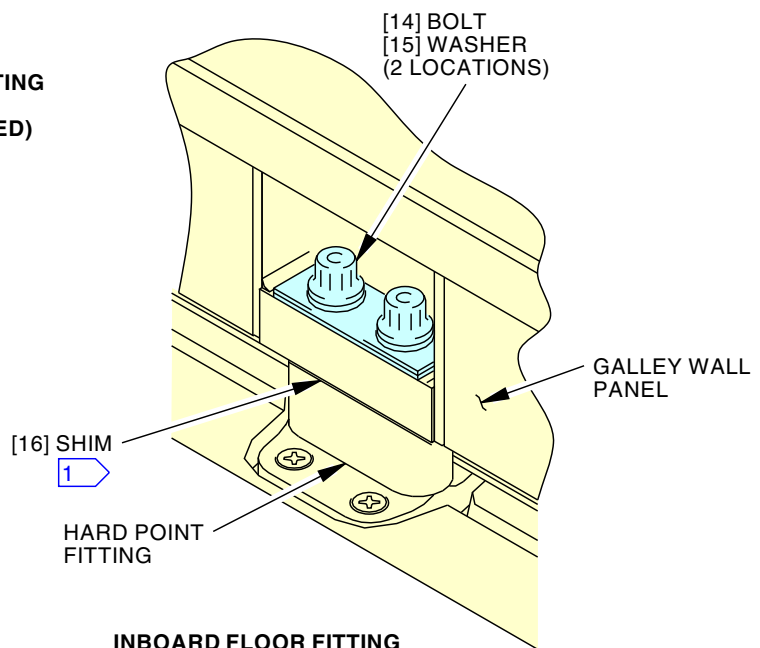


**OUTBOARD FLOOR FITTING
(GALLEY NO. 2)
(COVER PLATE OMITTED)
(EXAMPLE)**

D

NOTE:

SHIMS ARE INSTALLED BETWEEN
GALLEY AND FLOOR.



**INBOARD FLOOR FITTING
(GALLEY NO. 2)
(COVER PLATE OMITTED)
(EXAMPLE)**

C

1 INSTALL SHIMS AS NECESSARY
(3 MAXIMUM).

2791435 S0000632679_V2

**Galley No. 2 Installation
Figure 401/25-31-21-990-801 (Sheet 4 of 6)**

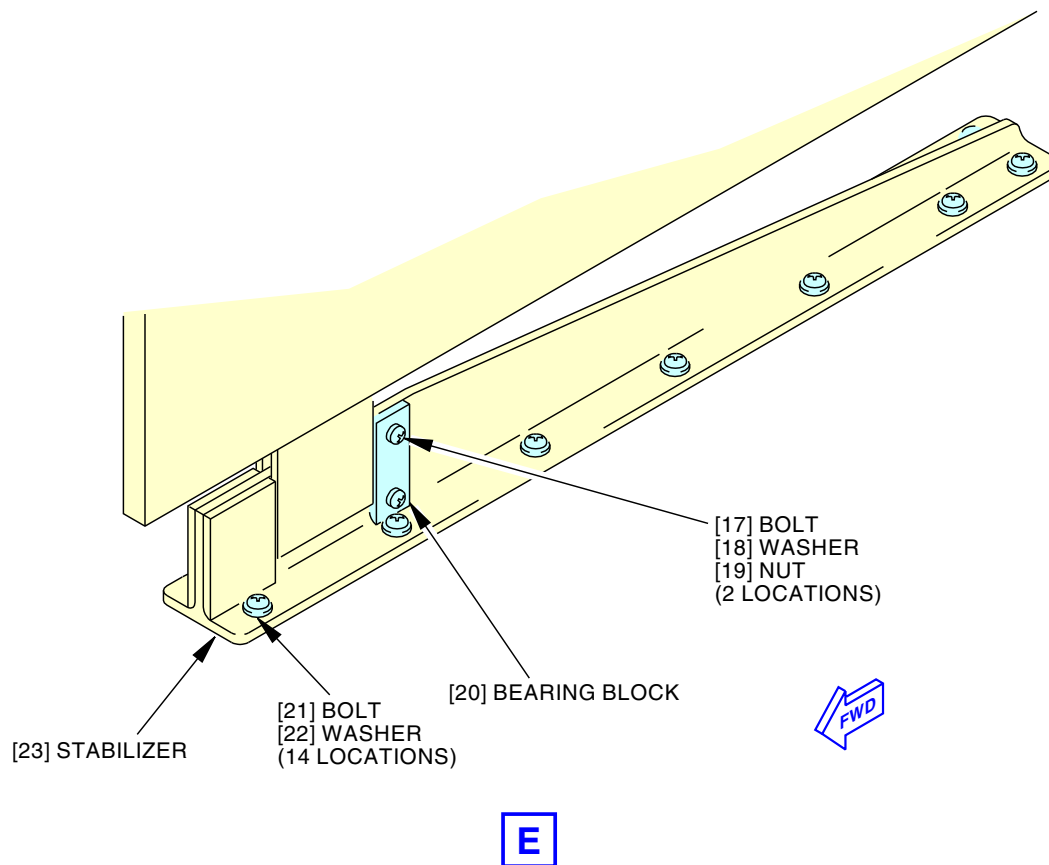
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Galley No. 2 Installation
Figure 401/25-31-21-990-801 (Sheet 5 of 6)

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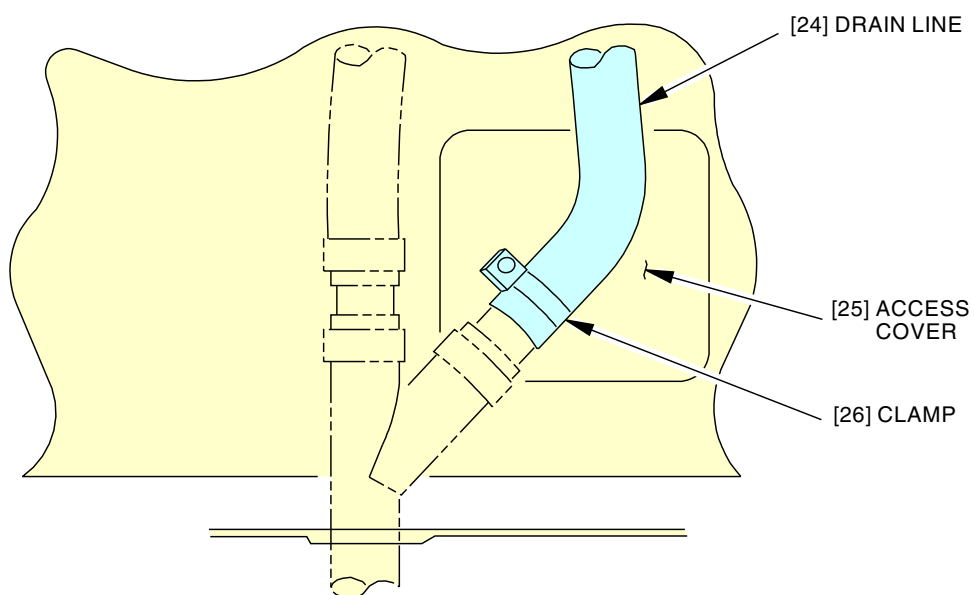
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F

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Galley No. 2 Installation
Figure 401/25-31-21-990-801 (Sheet 6 of 6)

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TASK 25-31-21-400-801

3. Galley No. 2 - Installation

(Figure 401)

A. General

- (1) Be careful during the installation of the galley to prevent damage to the galley mat. The galley mat is a cover on the floor panels in the galley area.

B. References

Reference	Title
25-21-34-400-801	Forward Galley Door Doorway Header Panel Installation (P/B 401)
25-21-35-420-801	Forward Galley Doorway Sidewall Lining Panel - Installation (P/B 401)
25-21-71-400-801	Lowered Ceiling Installation (P/B 401)
25-27-21-400-801	Entry and Service Area Floor Covering - Installation (P/B 401)
25-31-21-440-801	Galley No. 2 - Activation (P/B 201)
25-31-83-400-801	Forward Galley Header Installation (P/B 401)
38-10-00-600-801	Potable Water System Disinfectant (P/B 201)
38-42-00-800-801	Potable Water System - Deactivation (P/B 201)
38-42-00-800-802	Potable Water System - Activation (P/B 201)
51-22-00-390-806	Fillet Seal Application (P/B 201)
SWPM 20-20-10	REPLACEMENT OF GROUND STUDS AND BONDING JUMPER INSTALLATION

C. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
COM-614	Bonding Meters - Non-Intrinsically Safe (For use in outside Class I, Divisions I & II non-hazardous locations. For hazardous locations, use COM-1550). Part #: 247000 Supplier: 00426 Part #: 620LK Supplier: 1CRL2 Part #: BLR-0003-XX Supplier: KC432 Part #: BT51 Supplier: 00426 Part #: M1 Supplier: 3AD17 Part #: M1B Supplier: 3AD17 Part #: T477W (C15292) Supplier: 06659 Opt Part #: 247001 Supplier: 00426

D. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 60
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 109
A50030	Adhesive - Translucent RT Vulcanizing Silicone Rubber - RTV6708	BAC5010 Type 109 Grade 2
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III

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(Continued)

Reference	Description	Specification
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796 Class III
G50237	Compound - Corrosion Inhibiting, Non-drying - Cor-Ban 27L	BMS3-38

E. Location Zones

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

F. Prepare for the Installation

SUBTASK 25-31-21-210-002

- (1) Do a check of the water barrier on the galley floor for damage.
 - (a) If it is necessary, do this task: Entry and Service Area Floor Covering - Installation, TASK 25-27-21-400-801.

SUBTASK 25-31-21-110-001

- (2) Clean the galley mat on the floor in the galley area with solvent, B00083.

SUBTASK 25-31-21-300-001

- (3) Repair the galley mat, if it is necessary.

G. Galley Installation

SUBTASK 25-31-21-420-004

- (1) Move the galley [1] inboard.

SUBTASK 25-31-21-420-005

- (2) Install the ground strap [9], washer [12], and nut [13] to the ground stud.

SUBTASK 25-31-21-420-018

- (3) Tighten the nut [13] to 67.5 $\pm$ 2.5 in-lb (7.6 $\pm$ 0.3 N·m).

SUBTASK 25-31-21-760-001

- (4) Measure the electrical bonding resistance between the ground stud on the galley [1] and the airplane ground stud with a non-intrinsically safe bonding meter, COM-614 (SWPM 20-20-10).
 - (a) Make sure that the electrical bonding resistance is of 0.00250 Ohms (2.50 milliohms) or less.

SUBTASK 25-31-21-420-006

- (5) Connect the electrical connectors [11] in the ceiling above the galley [1].

SUBTASK 25-31-21-420-007

- (6) Adjust the galley [1], if it is necessary.

SUBTASK 25-31-21-420-008

- (7) Lift and pull the galley [1] into the correct position.

SUBTASK 25-31-21-420-009

- (8) If it is necessary, loosely install the bolts [14], washers [15], and shims [16] at the four hard points.

NOTE: This will prevent galley [1] movement while the floor seals are installed.

Use the shim quantity recorded during the removal for a given location.

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SUBTASK 25-31-21-390-005

- (9) Install the floor seal below the cart compartment walls and the wall adjacent to the airplane door.
- (a) Bond the floor seals with adhesive, A00027, or adhesive, A00930.
 - (b) If it is necessary, cut the seal on installation.
 - (c) In view areas, make sure that the seal is one continuous piece.
 - 1) For corners, use a 90° arc (2 rad) bevel cut, if it is necessary.
 - a) Do not cut all the way through the seal.
 - (d) Fillet seal to the galley mat, floor fittings and the galley (TASK 51-22-00-390-806).
 - 1) Fill ends, if it is necessary.
 - 2) Apply enough sealant to produce squeeze out.
 - 3) Clean to a smooth, continuous fillet seal.
 - (e) Do not install on the stabilizer wall panel.

SUBTASK 25-31-21-420-011



USE NITRILE GLOVES FOR SKIN PROTECTION WHEN YOU USE COR-BAN 27L, G50237. IF IT GETS ON YOUR SKIN, IMMEDIATELY REMOVE IT WITH WATER. IF THIS MATERIAL GETS IN YOUR EYES, IMMEDIATELY FLUSH YOUR EYES WITH WATER. GET MEDICAL AID. THIS MATERIAL CONTAINS FLAMMABLE AGENTS WHICH CAN CAUSE INJURIES TO PERSONNEL.

- (10) Install the bolts [14] to the floor fittings, as follows:
- NOTE: The hard points are on galley G2 only.
- (a) Make sure that the shims [16] are in the correct position.
 - (b) Apply preferred Cor-Ban 27L Compound, G50237 (but compound, C00528 may be used), to the shank and threads on each bolt [14].
 - (c) Apply preferred Cor-Ban 27L Compound, G50237 (but compound, C00528 may be used), to each washer [15].
 - (d) Install the two bolts [14] and washers [15] to the galley [1], shims [16] and the hard point fitting (4 locations).

NOTE: The shim [16] installation can not be more than three shims [16] for each floor fitting.
 - (e) Tighten the bolts [14] to 107.5 ±17.5 in-lb (12.1 ±2.0 N·m).

SIA 001-014

SUBTASK 25-31-21-420-013

- (11) Install the stabilizer [23], as follows:
- NOTE: The stabilizer is on the G2 galley only.
- (a) Put the stabilizer [23] below the galley [1].
 - (b) Apply RTV6708 adhesive, A50030, to the shank and threads on each bolt [21].
 - (c) Apply RTV6708 adhesive, A50030, to each washer [22].
 - (d) Install the bolts [21] and washers [22] to the stabilizer [23].
 - 1) Torque the bolts [21] to 22.5 ±2.5 in-lb (2.5 ±0.3 N·m).
 - (e) Install the bearing block [20] on the stabilizer [23].

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SIA 001-014 (Continued)

- (f) Install the bolts [17], washers [18], and nuts [19] at the bearing block [20].

NOTE: Washers can be installed between the bearing block and floor stabilizer as necessary.

- (g) Fillet seal the stabilizer with adhesive, A00930.

SIA ALL

SUBTASK 25-31-21-420-014

- (12) Attach the tie rod [7] to the lug fitting [8] on the galley [1].

- (a) If it is necessary, adjust the tie rod [7] to the correct length.

- 1) Adjust only one end of the assembly without the lockwasher and the lockwire.
- 2) Make sure that the thread of the tie rod block the inspection hole in the body of the tie rod.
- 3) Tighten the jamnut.

- (b) Install the quick-release pin [10] at the galley end of the tie rod [7].

NOTE: Install the end of the tie rod [7] with the lockwasher and the lockwire at the fitting on the fuselage.

SUBTASK 25-31-21-420-020

- (13) Connect the water connection at the top of the galley [1].

SIA 001-014

SUBTASK 25-31-21-420-015

- (14) Through the lower outboard access panel, connect the drain line [24] and tighten the clamp [26].

NOTE: Galley G2A does not have a drain system.

SIA ALL

SUBTASK 25-31-21-420-021

- (15) Connect the ducts and vents.

SUBTASK 25-31-21-410-002

- (16) If it is necessary, install the forward lowered ceiling, do this task: Lowered Ceiling Installation, TASK 25-21-71-400-801.

H. Put the Airplane Back to Its Usual Condition

SUBTASK 25-31-21-410-003



WARNING

DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (1) Activate Galley No. 2 (TASK 25-31-21-440-801).

SUBTASK 25-31-21-420-017

- (2) If it is necessary, install the equipment or furnishings that are attached to the galley [1].

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SUBTASK 25-31-21-420-016

- (3) Install the carts and all of the other equipment in the galley [1].

SUBTASK 25-31-21-710-001

- (4) Make sure that the electrical components in the galley [1] operate correctly.

SUBTASK 25-31-21-710-002

- (5) If an exit light is installed on the galley [1], make sure that it comes on.

SUBTASK 25-31-21-710-003

- (6) If a floor proximity light is installed on the galley [1], make sure that it comes on.

SUBTASK 25-31-21-790-001

- (7) Do the leak check of the galley water connections.
- (a) Do this task: Potable Water System - Activation, TASK 38-42-00-800-802.
 - (b) Open the water faucets in the galley and let the water flow for 2 minutes.
 - (c) Close the water faucets.
 - (d) Keep the pressure for at least 5 minutes.
 - (e) Do a visual check to make sure that there are no leaks at the water connections.
 - (f) Do this task: Potable Water System - Deactivation, TASK 38-42-00-800-801.

SUBTASK 25-31-21-410-016

- (8) Install the access covers and seal with adhesive, A00027, or adhesive, A00930.

SUBTASK 25-31-21-420-042

- (9) Install the applicable trim and access panels.

SUBTASK 25-31-21-110-002

- (10) Use disinfectant to clean the potable water system (TASK 38-10-00-600-801).

SUBTASK 25-31-21-710-004

- (11) If a No Smoking/Fasten Seat Belt sign is installed on the galley [1], make sure that it comes on.

SUBTASK 25-31-21-410-004

- (12) Do this task: Forward Galley Door Doorway Header Panel Installation, TASK 25-21-34-400-801.

SUBTASK 25-31-21-410-005

- (13) Do this task: Forward Galley Doorway Sidewall Lining Panel - Installation, TASK 25-21-35-420-801.

SUBTASK 25-31-21-410-006

- (14) Do this task: Forward Galley Header Installation, TASK 25-31-83-400-801.

————— **END OF TASK** —————

TASK 25-31-21-000-802

4. Galley No. 2A Removal

(Figure 402)

A. General

- (1) Be careful when you remove the galley to prevent damage to the galley mat. The galley mat is a cover for the floor panels in the galley area.

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B. Location Zones

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

C. Prepare for the Removal

SUBTASK 25-31-21-010-003

- (1) If necessary, remove the equipment or furnishings that are attached to the galley.

SUBTASK 25-31-21-160-002

- (2) Remove all unwanted sealant between the galley walls and the mat in the galley.
(a) Carefully remove the sealant to prevent damage to the galley mat.

D. Galley 2A Removal

SUBTASK 25-31-21-020-022

- (1) Remove the five screws [61] from the rear galley wall on galley G2A [62].

SUBTASK 25-31-21-020-023

- (2) Remove the three screws [63] from the rear galley wall on galley G2A [62].

SUBTASK 25-31-21-020-024

- (3) Remove the eight screws [66], washers [65], and retainer [64] from galley G2A [62].

SUBTASK 25-31-21-020-025

- (4) Remove the bolt [70] and two washers [69] from the galley G2A [62] (2 locations).

SUBTASK 25-31-21-020-030

- (5) Carefully remove the galley G2A [62] to prevent damage to the galley mat.

SUBTASK 25-31-21-020-031



USE NITRILE GLOVES FOR SKIN PROTECTION WHEN YOU USE COR-BAN 27L, G50237. IF IT GETS ON YOUR SKIN, IMMEDIATELY REMOVE IT WITH WATER. IF THIS MATERIAL GETS IN YOUR EYES, IMMEDIATELY FLUSH YOUR EYES WITH WATER. GET MEDICAL AID. THIS MATERIAL CONTAINS FLAMMABLE AGENTS WHICH CAN CAUSE INJURIES TO PERSONNEL.

- (6) If necessary, remove the spacer [68] and the seat track fitting [67] from the seat track (2 locations).

————— **END OF TASK** —————

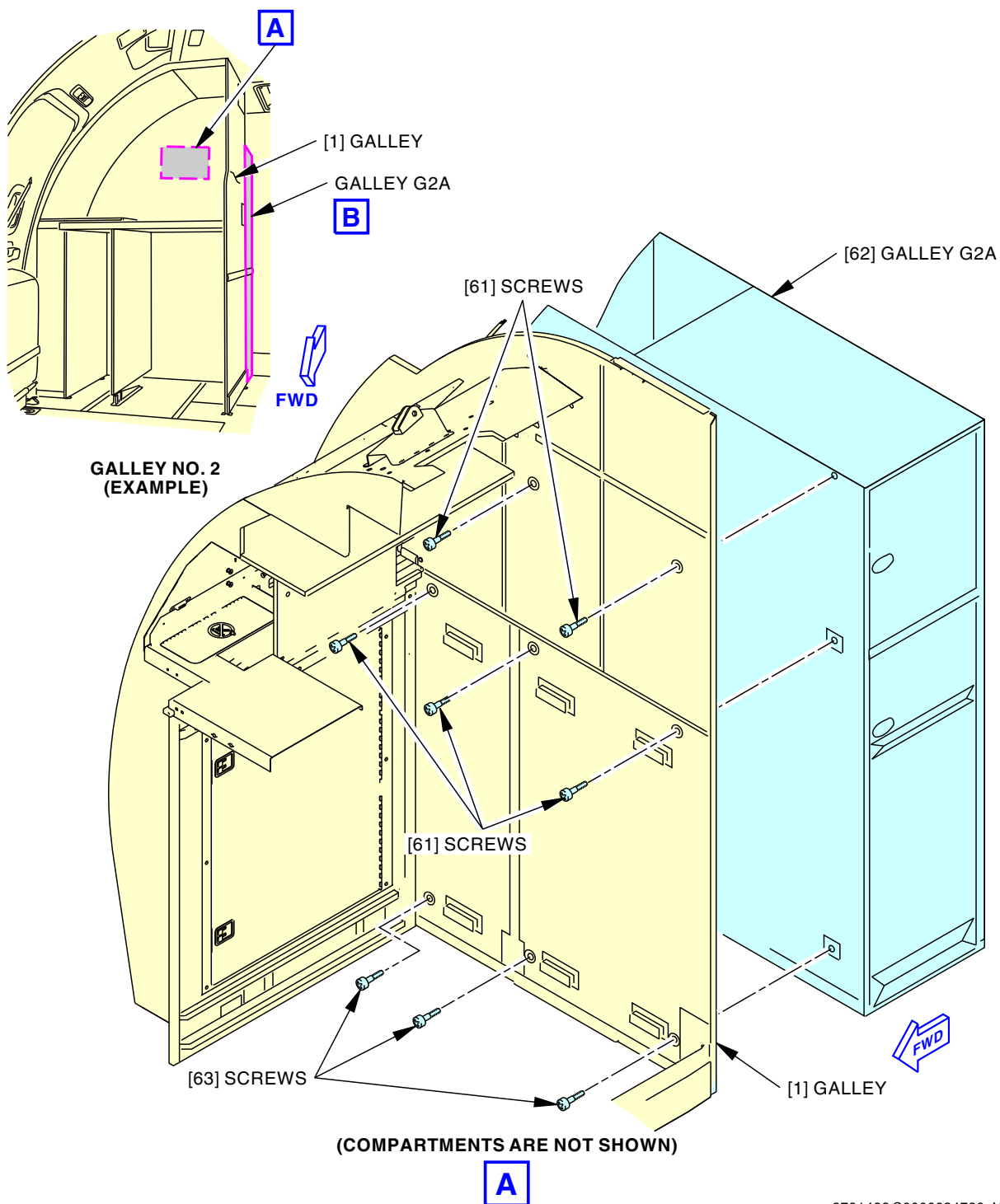
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Galley G2A Installation
Figure 402/25-31-21-990-803 (Sheet 1 of 2)

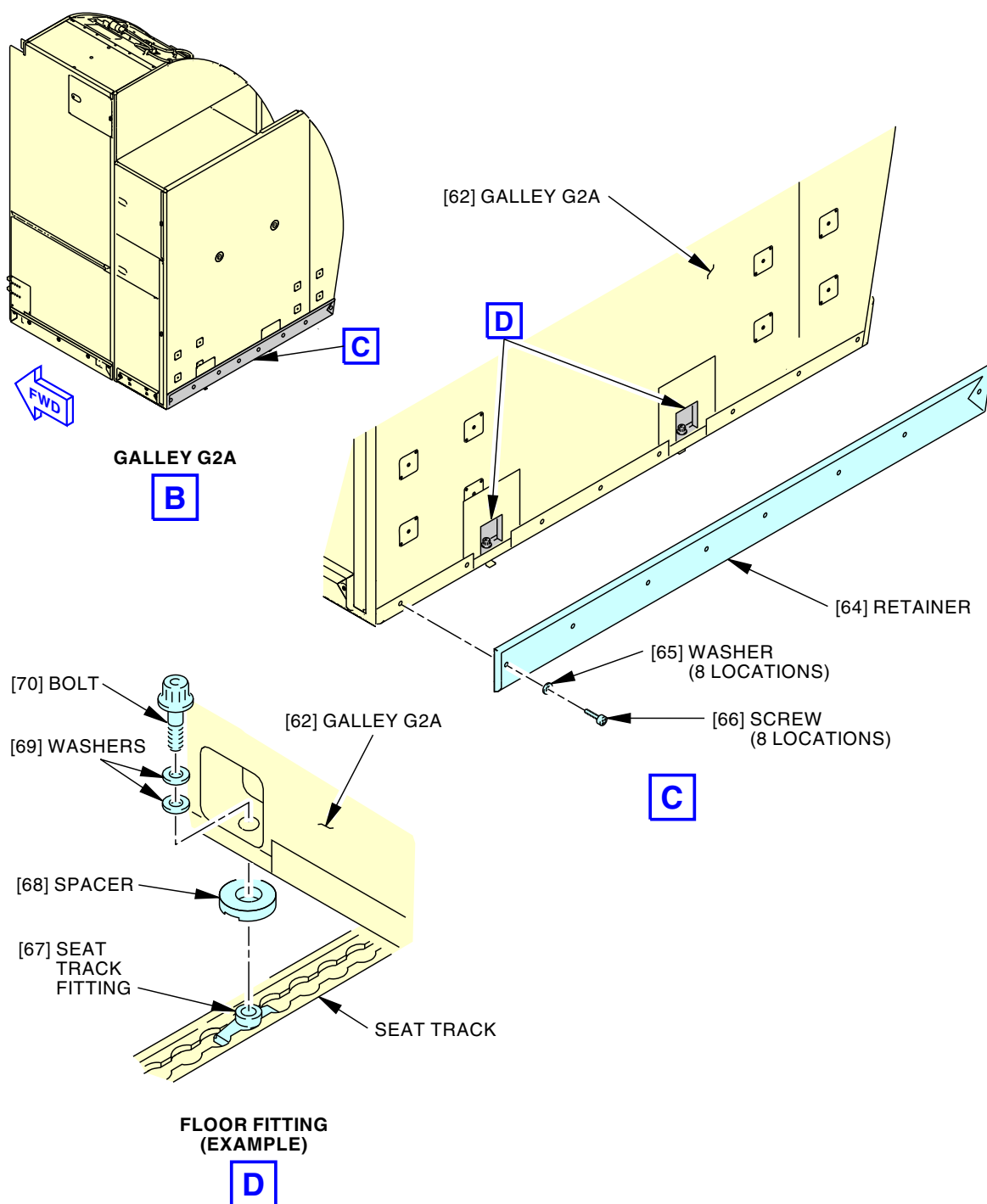
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Galley G2A Installation
Figure 402/25-31-21-990-803 (Sheet 2 of 2)

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TASK 25-31-21-400-802

5. Galley No. 2A Installation

(Figure 402)

A. References

Reference	Title
25-27-21-400-801	Entry and Service Area Floor Covering - Installation (P/B 401)
51-21-92-600-801	Seat Track Filler Application (P/B 201)
51-22-00-390-806	Fillet Seal Application (P/B 201)

B. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 60
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 109
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796 Class III
G50237	Compound - Corrosion Inhibiting, Non-drying - Cor-Ban 27L	BMS3-38

C. Prepare for the Installation

SUBTASK 25-31-21-211-001

- (1) Do a check of the water barrier on the galley floor for damage.
 - (a) If damage is found, do this task: Entry and Service Area Floor Covering - Installation, TASK 25-27-21-400-801.

SUBTASK 25-31-21-110-003

- (2) Clean the galley mat on the floor in the galley area with solvent, B00083.

SUBTASK 25-31-21-350-001

- (3) Repair the galley mat when necessary.

SUBTASK 25-31-21-410-010



USE NITRILE GLOVES FOR SKIN PROTECTION WHEN YOU USE COR-BAN 27L, G50237. IF IT GETS ON YOUR SKIN, IMMEDIATELY REMOVE IT WITH WATER. IF THIS MATERIAL GETS IN YOUR EYES, IMMEDIATELY FLUSH YOUR EYES WITH WATER. GET MEDICAL AID. THIS MATERIAL CONTAINS FLAMMABLE AGENTS WHICH CAN CAUSE INJURIES TO PERSONNEL.

- (4) Install the seat track fittings [67] at the seat track locations, as necessary (TASK 51-21-92-600-801).
 - (a) Install with preferred Cor-Ban 27L Compound, G50237 (but compound, C00528 may be used) on each seat track fitting [92].

SUBTASK 25-31-21-420-023

- (5) Put the spacer [68] on the seat track fitting [67].

SUBTASK 25-31-21-420-024

- (6) Lift and put galley G2A [62] into its correct position.
 - (a) Make sure that the spacers [68] stay in the correct position.

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SUBTASK 25-31-21-420-026

- (7) Install the access covers and seal with adhesive, A00027 or adhesive, A00930.

D. Galley 2A Installation

SUBTASK 25-31-21-420-027

- (1) Install the bolt [70] and two washers [69] to the galley G2A [62], spacer [68] and seat track fitting [67] (2 locations).

SUBTASK 25-31-21-420-028

- (2) Loosely install the five screws [61] and three screws [63] to the galley [1] and galley G2A [62].

SUBTASK 25-31-21-420-029

- (3) Tighten these screws and bolts:
 - (a) Tighten the five screws [61] to 13.5 ± 1.5 in-lb (1.5 ± 0.2 N·m).
 - (b) Tighten the three screws [63] to 13.5 ± 1.5 in-lb (1.5 ± 0.2 N·m).
 - (c) Tighten the bolts [70] to 120 ± 20 in-lb (13.6 ± 2.3 N·m).

SUBTASK 25-31-21-420-030

- (4) Install the retainer [64], eight screws [66], and washers [65] to galley G2A [62].

SUBTASK 25-31-21-420-031

- (5) Tighten the screws [66] to 8 ± 1 in-lb (0.9 ± 0.1 N·m).

SUBTASK 25-31-21-390-002

- (6) Apply a fillet seal between the mat and galley walls in the galley with adhesive, A00027 or adhesive, A00930 (TASK 51-22-00-390-806).

E. Put the Airplane Back to Its Usual Condition

SUBTASK 25-31-21-410-011

- (1) Install the carts and all of the other equipment in the galley.

SUBTASK 25-31-21-410-012

- (2) Install the trim and access panels as applicable.

SUBTASK 25-31-21-410-013

- (3) Make sure that these lights on the galley come on:
 - (a) Installed exit light
 - (b) Installed floor proximity lights
 - (c) Installed No Smoking/Fasten Seat Belt sign.

————— END OF TASK —————

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GALLEY NO. 3 REMOVAL/INSTALLATION

1. **General**

A. This procedure has these tasks:

- (1) Galley No. 3A Removal
- (2) Galley No. 3A Installation.

TASK 25-31-31-000-802

2. **Galley No. 3A Removal**

(Figure 401)

A. **General**

- (1) Be careful when you remove the galley to prevent damage to the galley mat. The galley mat is a cover on the floor panels in the galley area.

B. **References**

Reference	Title
25-24-31-000-801	Overhead Stowage Bin - Removal (P/B 401)
25-24-31-000-802	Overhead Stowage Bin Module - Removal (P/B 401)
25-25-12-000-801	Cabin Attendant Seat Removal (P/B 401)
25-40-15-000-801	Lavatory E Removal (P/B 401)

C. **Location Zones**

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

D. **Prepare for the Removal**

SUBTASK 25-31-31-010-006

- (1) Remove the applicable attendant seats (TASK 25-25-12-000-801).

SUBTASK 25-31-31-020-017

- (2) Remove the applicable overhead bins (TASK 25-24-31-000-802 or TASK 25-24-31-000-801).

SUBTASK 25-31-31-020-018

- (3) If necessary, remove the lavatory (TASK 25-40-15-000-801).

SUBTASK 25-31-31-020-019

- (4) Remove the carts and all of the other galley equipment.

SUBTASK 25-31-31-010-007

- (5) If necessary, remove the trim and access panels.

E. **Galley G3A Removal**

SUBTASK 25-31-31-020-020

- (1) Do these steps to remove the galley G3A [21] from the airplane seat tracks:
 - (a) Remove the seat track fittings [28] coverplates from the galley G3A [21].
 - (b) If necessary, remove the grease from the seat track fittings [28] to get access to the bolts [25].
 - (c) Remove the bolts [25] and washers [26] from the seat track fittings [28].
 - (d) Remove the galley G3A [21].

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- (e) If necessary, remove the seat track fittings [28] from the seat track.

———— **END OF TASK** ————

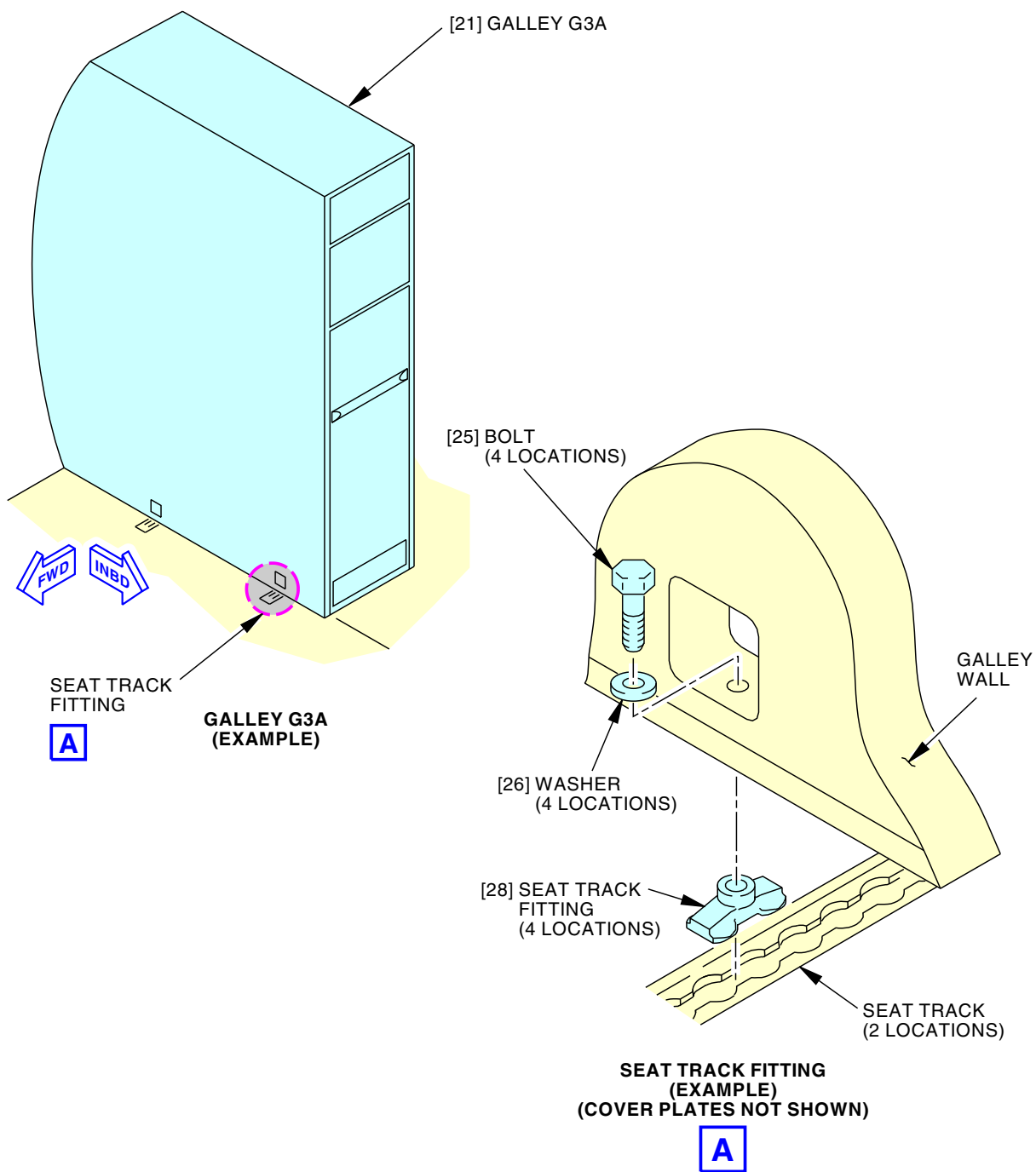
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Galley G3A Installation
Figure 401/25-31-31-990-802

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TASK 25-31-31-400-802

3. **Galley No. 3A Installation**

(Figure 401)

A. General

- (1) Be careful when you install the galley to prevent damage to the galley mat. The galley mat is a cover on the floor panels in the galley area.

B. References

Reference	Title
25-24-31-400-801	Overhead Stowage Bin - Installation (P/B 401)
25-24-31-400-802	Overhead Stowage Bin Module - Installation (P/B 401)
25-25-12-400-801	Cabin Attendant Seat Installation (P/B 401)
25-40-15-400-801	Lavatory E Installation (P/B 401)
51-21-92-600-801	Seat Track Filler Application (P/B 201)

C. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 60
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 109
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796 Class III

D. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

E. Prepare for the Installation

SUBTASK 25-31-31-160-003

- (1) Clean the galley mat on the floor in the galley area with solvent, B00083.

SUBTASK 25-31-31-350-002

- (2) If necessary, repair the galley mat.

F. Galley G3A Installation

SUBTASK 25-31-31-420-017

- (1) If necessary, install the seat track fittings [28] at the seat track locations (TASK 51-21-92-600-801).

SUBTASK 25-31-31-390-003

- (2) Do this task: Seat Track Filler Application, TASK 51-21-92-600-801.

SUBTASK 25-31-31-420-018

- (3) Install the galley G3A [21] into its correct position.

SUBTASK 25-31-31-820-006

- (4) Make sure that the galley G3A [21] floor is parallel to the airplane seat tracks.

SUBTASK 25-31-31-420-019

- (5) If necessary, install or repair the floor seals.
 - (a) Bond the floor seals with adhesive, A00027, or adhesive, A00930.

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SUBTASK 25-31-31-420-020

- (6) Do these steps to install galley G3A [21] to the seat track fitting [28]:
 - (a) Install the bolt [25] and washer [26] to the seat track fitting [28].
 - (b) Apply compound, C00528 to the bolt [25], and washer [26].
 - (c) Tighten the bolts [25] to 155 ±25 in-lb (17.5 ±2.8 N·m).
 - (d) Install the seat track fitting [28] coverplates.
 - (e) Seal the coverplates with adhesive, A00027 or adhesive, A00930.

G. Put the Airplane Back to Its Usual Condition

SUBTASK 25-31-31-410-006

- (1) If necessary, install the trim and access panels.

SUBTASK 25-31-31-420-021

- (2) Install the carts and all of the other galley equipment.

SUBTASK 25-31-31-420-022

- (3) If removed, install the lavatory (TASK 25-40-15-400-801).

SUBTASK 25-31-31-420-023

- (4) Install the applicable overhead bins (TASK 25-24-31-400-801 or TASK 25-24-31-400-802).

SUBTASK 25-31-31-410-007

- (5) Install the applicable attendant seats (TASK 25-25-12-400-801).

———— **END OF TASK** ————

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GALLEY G4 - MAINTENANCE PRACTICES

1. General

A. This procedure has these two tasks:

- (1) Galley No. 4 - Deactivation
- (2) Galley No. 4 - Activation

TASK 25-31-41-040-801

2. Galley No. 4 - Deactivation

A. General

- (1) This task will deactivate the galley power systems.

B. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

C. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

D. Deactivate Galley No. 4

SUBTASK 25-31-41-010-011

- (1) To get access to the P91 panel, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-31-41-440-001



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (2) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	7	C00913	GALLEY BUS C
F	8	C00915	GALLEY BUS D

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E. Galley Power Systems - Tryout

NOTE: This tryout is to make sure that the galley power systems are in a zero energy state.

SUBTASK 25-31-41-210-001

- (1) Make sure that the GALLEY POWER indicator light on the electrical control panel on the galley unit is off.

SUBTASK 25-31-41-420-001

- (2) Put the WORK LIGHT BRT/OFF/DIM switch on the galley electrical control panel to BRT or DIM position to make sure the light does not come on.

SUBTASK 25-31-41-020-001

- (3) Put the WORK LIGHT BRT/OFF/DIM switch on the galley electrical control panel to the OFF position.

SUBTASK 25-31-41-410-009

- (4) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

————— **END OF TASK** —————

TASK 25-31-41-440-801

3. Galley No. 4 - Activation

A. General

- (1) This task will activate the galley power systems.

B. Location Zones

<u>Zone</u>	<u>Area</u>
117	Electrical and Electronics Compartment - Left
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

C. Access Panels

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

D. Activate Galley No. 4

SUBTASK 25-31-41-010-012

- (1) To get access to the P91 panel, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-31-41-420-002



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (2) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	7	C00913	GALLEY BUS C
F	8	C00915	GALLEY BUS D

SUBTASK 25-31-41-410-008

- (3) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

————— END OF TASK —————

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GALLEY G4 - REMOVAL/INSTALLATION

1. **General**

A. This procedure has these tasks:

- (1) Galley G4 Removal
- (2) Galley G4 Installation

B. The No. 4 galley unit is bolted to the airplane floor with floor-mounted fittings that are sealed to prevent penetration of moisture. Tie rods secure the upper attachment of the galley unit to the airplane structure. Electrical wiring and connectors supply electricity to operate the equipment and lighting in the work area. Water is supplied by the airplane potable water system. The galley sink is connected to the airplane drainage system.

TASK 25-31-41-000-801

2. **Galley G4 Removal**

(Figure 401, Figure 402)

A. **General**

- (1) This procedure does not remove the Galley G4 unit from the airplane in two sections. The procedure moves the galley unit from the installed position to do maintenance. To remove the galley unit from the airplane, disconnect the top section of the galley from the bottom section. Remove or install the galley unit from the airplane one section at a time.

B. **References**

Reference	Title
12-14-00-600-801	Potable Water System - Drain (P/B 301)
25-21-24-000-801	Aft Door Doorway Header Panel Removal (P/B 401)
25-21-25-020-801	Aft Entry and Service Doorways Sidewall Lining Panel - Removal (P/B 401)
25-21-71-000-801	Lowered Ceiling Removal (P/B 401)
25-25-12-000-801	Cabin Attendant Seat Removal (P/B 401)
25-31-41-040-801	Galley No. 4 - Deactivation (P/B 201)
25-40-14-000-801	Lavatory D Removal (P/B 401)
25-40-15-000-801	Lavatory E Removal (P/B 401)
33-25-00-960-801	Information Sign - Light Assembly Replacement for a Passenger Service Unit (PSU) Sign (P/B 201)
33-51-01-960-802	Exit Sign - Light Assembly Replacement (P/B 201)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
38-42-00-800-801	Potable Water System - Deactivation (P/B 201)

C. **Location Zones**

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

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D. Prepare for the Removal

SUBTASK 25-31-41-040-001



MAKE SURE THAT YOU DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (1) Deactivate Galley No. 4 (TASK 25-31-41-040-801).

SUBTASK 25-31-41-010-001

- (2) Remove the lowered ceiling panels (TASK 25-21-71-000-801).

SUBTASK 25-31-41-010-002

- (3) Remove the aft door doorway header panel (TASK 25-21-24-000-801).

SUBTASK 25-31-41-010-003

- (4) Remove the aft entry and service doorway sidewall lining panels (TASK 25-21-25-020-801).

SUBTASK 25-31-41-020-025

- (5) Remove the applicable cabin attendant seats (TASK 25-25-12-000-801).

SUBTASK 25-31-41-010-004

- (6) Remove the lavatory (TASK 25-40-14-000-801).

SUBTASK 25-31-41-010-005

- (7) If necessary, remove the lavatory (TASK 25-40-15-000-801).

SUBTASK 25-31-41-010-006

- (8) Do one of the steps that follow:

- (a) Cover the light assembly for the floor proximity lights.
- (b) Remove the light assembly for the floor proximity lights (TASK 33-51-14-960-802).

SUBTASK 25-31-41-020-015

- (9) Disconnect the potable water system (TASK 38-42-00-800-801).

SUBTASK 25-31-41-680-001

- (10) Drain the water supply system (TASK 12-14-00-600-801).

- (a) Put the water shutoff valve in the open position.
- (b) Remove the coffee maker.
- (c) Push the valve seat on the end of the quick-disconnect couplings for the coffee maker rail.
- (d) Keep the valve seat open until you drain all the water from the coupling.
- (e) Make sure that you drain all the water from the galley equipment.

E. Galley No. 4 Removal

SUBTASK 25-31-41-020-004

- (1) Remove the necessary access panels.

- (a) Remove the screws and washers that attach the access panels to the galley unit [22].

NOTE: Some access panels do not have washers, only screws that attach the access panels to the galley.

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SUBTASK 25-31-41-010-007

- (2) Remove the following equipment to get access to the floor fittings:
 - (a) Remove the left box assembly for the cart compartment.
 - (b) Remove the right box assembly for the cart compartment.
 - (c) Remove the center box assembly for the cart compartment.

SUBTASK 25-31-41-020-020

- (3) Remove all other equipment from the galley unit [22].

SUBTASK 25-31-41-160-001

- (4) Remove the fillet seal from between the galley mat, the floor seal [29], floor fittings and the galley unit [22].
 - (a) Carefully remove the sealant to prevent damage to the galley mat.

SUBTASK 25-31-41-160-002

- (5) Remove the fillet seal from these areas:
 - (a) The floor fitting cover plates and screws.
 - (b) If necessary, between the stabilizers [21] and the galley mat.

NOTE: It is not necessary to remove the stabilizers [21] to remove the galley unit [22].

 - 1) Carefully remove the sealant to prevent damage to the galley mat.
 - (c) Between the stabilizers [21], and the wall panels (galley).

SUBTASK 25-31-41-020-005

- (6) Do these steps to disconnect the galley water supply:
 - (a) Get access through the lower access panel on the galley unit [22].
 - (b) Remove the insulation from around the galley water connection [4], if necessary.
 - (c) Disconnect the water connection [4].

SUBTASK 25-31-41-020-024

- (7) Do these steps to disconnect the drain line [6]:
 - (a) Get access through the lower access panel on the galley unit [22].
 - (b) Loosen the clamp [5].
 - (c) Disconnect the drain line [6] from the galley unit [22].

SUBTASK 25-31-41-020-007

- (8) Do these steps to disconnect the door flexible duct [8]:
 - (a) Get access through the lower access panel on the galley unit [22].
 - (b) Loosen the clamp [7].
 - (c) Disconnect the door flexible duct [8] from the galley unit [22].

SUBTASK 25-31-41-020-008

- (9) Do these steps to disconnect the tie rods [9]:
 - (a) Get access to the tie rods [9].
 - (b) Remove the quick disconnect release pin [10] to disconnect the tie rod [9] from the galley lug fitting [11].

SUBTASK 25-31-41-020-010

- (10) Do these steps to disconnect the galley unit [22] from the hard point fittings:
 - (a) Remove the screws, washers and cover plates from the floor fittings.

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USE NITRILE GLOVES FOR SKIN PROTECTION WHEN YOU USE COR-BAN 27L, G50237. IF IT GETS ON YOUR SKIN, IMMEDIATELY REMOVE IT WITH WATER. IF THIS MATERIAL GETS IN YOUR EYES, IMMEDIATELY FLUSH YOUR EYES WITH WATER. GET MEDICAL AID. THIS MATERIAL CONTAINS FLAMMABLE AGENTS WHICH CAN CAUSE INJURIES TO PERSONNEL.

- (b) If necessary, remove the grease to get access to the fasteners.
- (c) Remove the bolts [12], washers [13], and shims [14] at the hard point locations.
- (d) Keep the fasteners. Record the location and quantity of shims for the installation procedure.

SUBTASK 25-31-41-020-012

- (11) Do these steps to remove the bearing block [18] from the stabilizer [21]:
 - (a) Remove the bolts [15], washers [16] and nuts [17] at the bearing block [18].
Remove the bearing block [18].
 - (b) Lift the galley unit [22] from the stabilizers [21].
NOTE: It is not necessary to remove the stabilizers [21] to remove the galley unit [22].
 - (c) If necessary, remove the stabilizers [21].

SUBTASK 25-31-41-020-021

- (12) Do these steps to disconnect the electrical connectors [1] and the ground straps [2]:
 - (a) Get access to the electrical connectors [1] on the top of the galley.
 - 1) If necessary, move the galley unit [22] to get access to the electrical connectors [1] and ground studs [3].
 - (b) Disconnect the electrical connectors [1].
 - (c) Disconnect the ground straps [2] from the ground studs [3].

SUBTASK 25-31-41-020-022

- (13) If necessary, do these steps:
 - (a) Remove the applicable exit signs (TASK 33-51-01-960-802).
 - (b) Remove the applicable information signs (TASK 33-25-00-960-801).

SUBTASK 25-31-41-020-026

- (14) If necessary, remove the floor seal [29].

SUBTASK 25-31-41-020-014

- (15) Carefully move the galley unit [22] to prevent damage to the galley mat.

————— END OF TASK —————

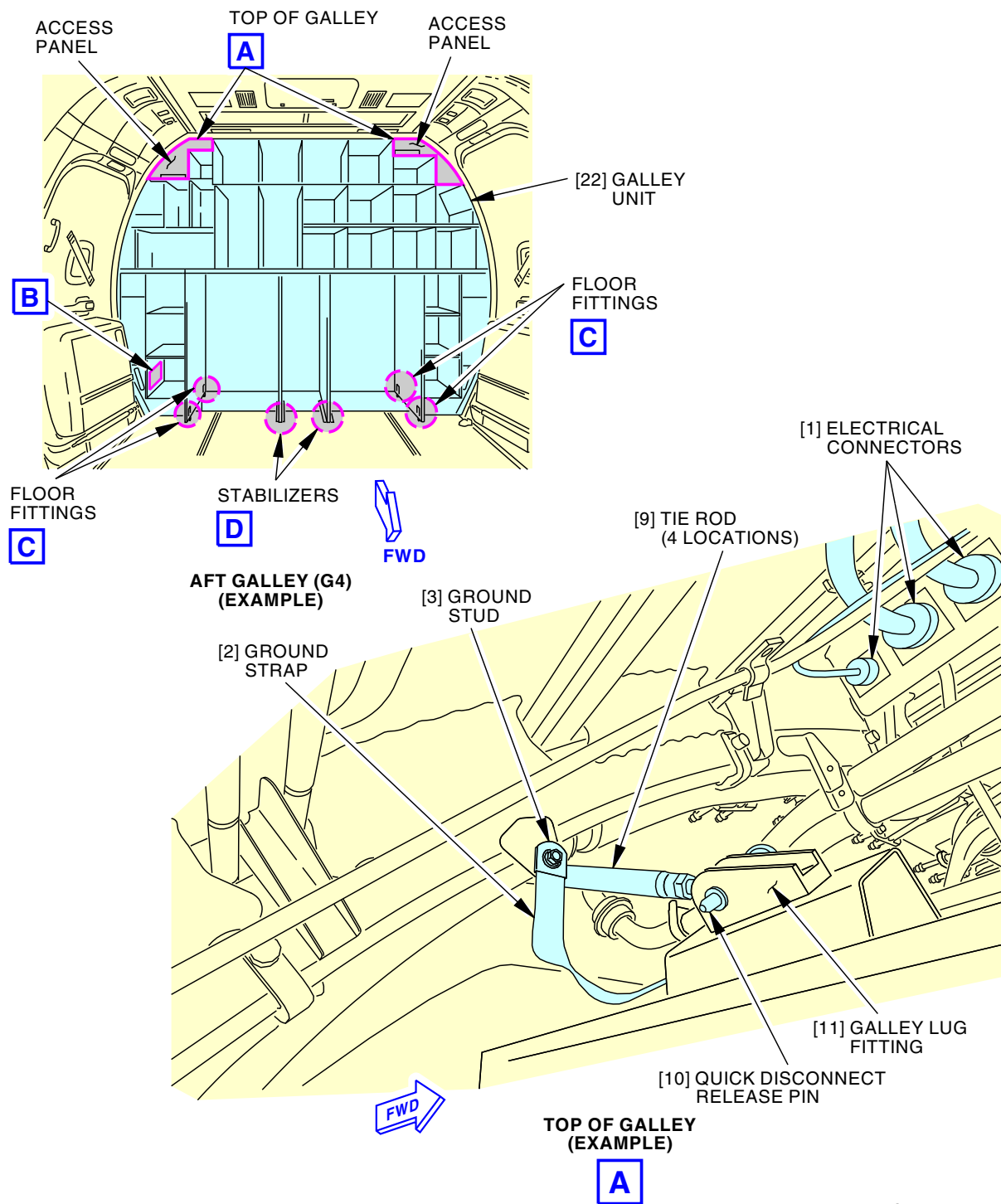
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Galley G4 Installation
Figure 401/25-31-41-990-801 (Sheet 1 of 4)

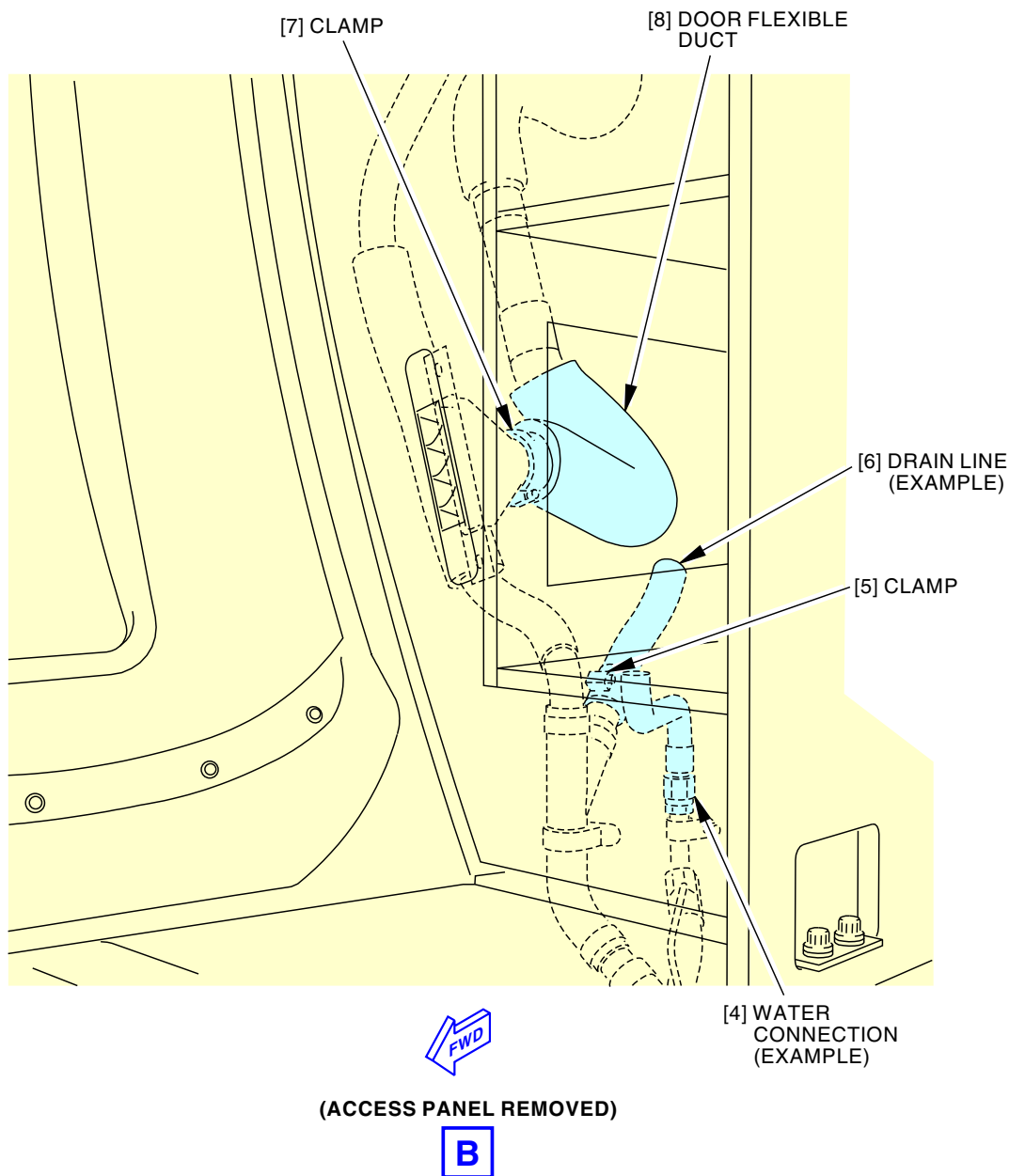
EFFECTIVITY
SIA ALL; AIRPLANES WITH GALLEY G4B

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Galley G4 Installation
Figure 401/25-31-41-990-801 (Sheet 2 of 4)

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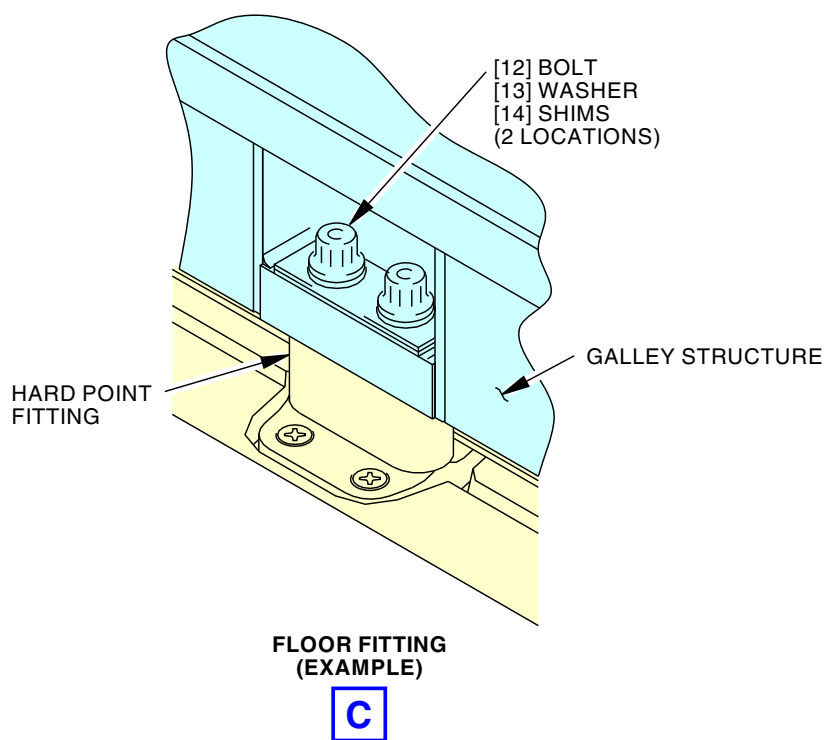
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Galley G4 Installation
Figure 401/25-31-41-990-801 (Sheet 3 of 4)

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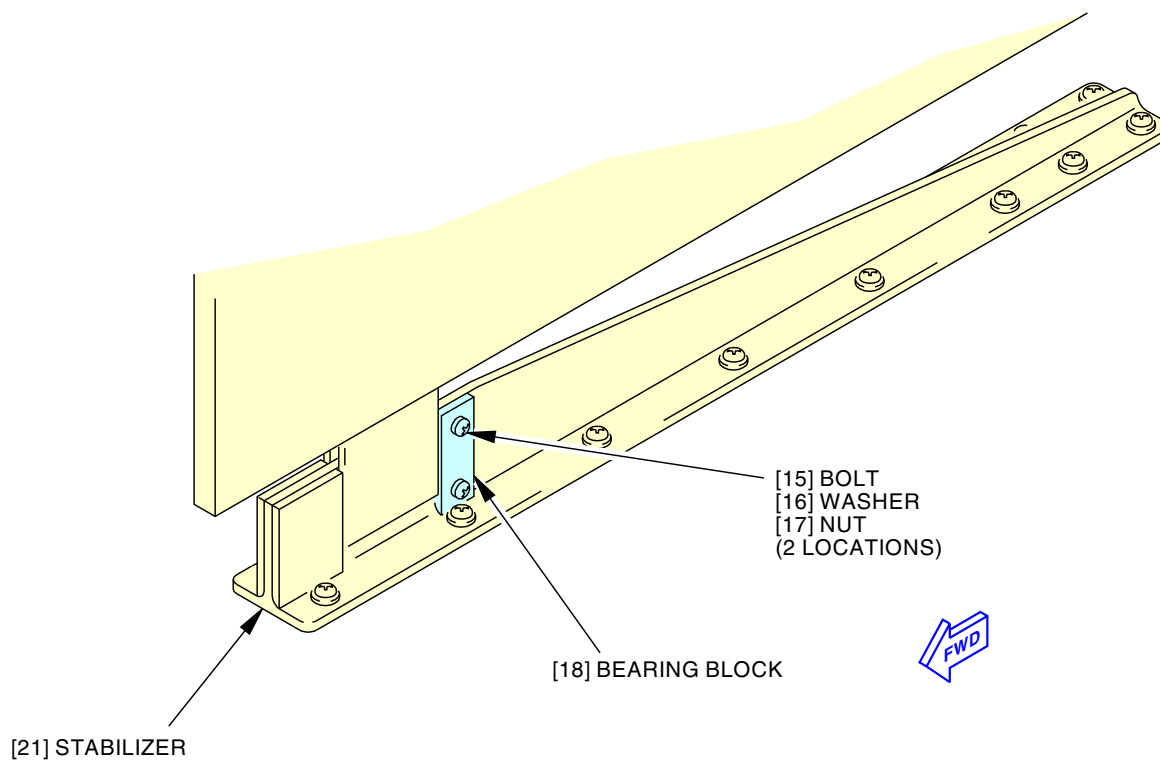
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STABILIZER
(EXAMPLE)



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Galley G4 Installation
Figure 401/25-31-41-990-801 (Sheet 4 of 4)

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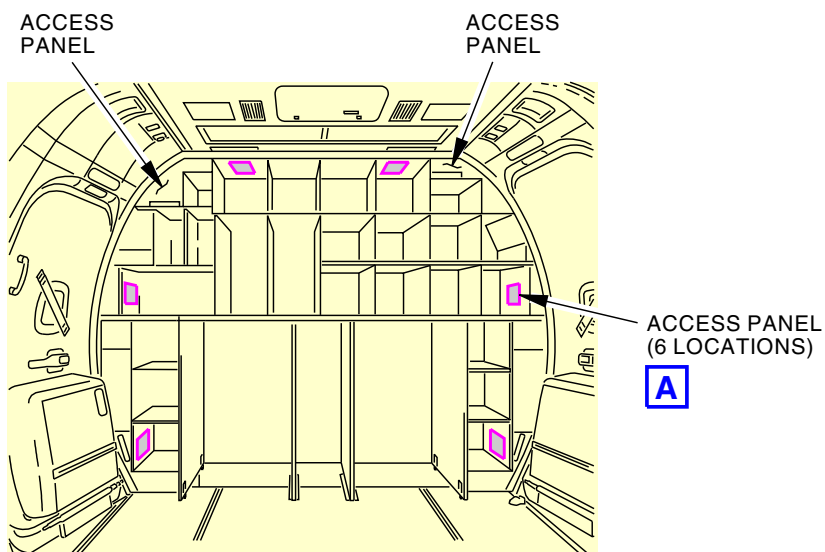
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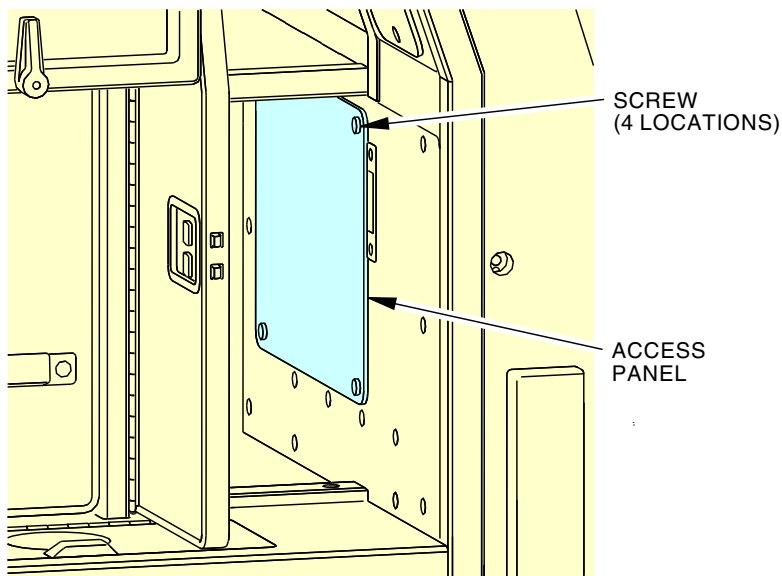
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AFT GALLEY (G4)
(EXAMPLE)



ACCESS PANEL
(EXAMPLE)



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Galley No. 4 Access Panel Locations
Figure 402/25-31-41-990-802

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TASK 25-31-41-400-801

3. Galley G4 Installation

(Figure 401, Figure 402)

A. General

- (1) This procedure does not remove the Galley G4 unit from the airplane in two sections. The procedure moves the galley unit from the installed position to do maintenance. To remove the galley unit from the airplane, disconnect the top section of the galley from the bottom section. Remove or install the galley unit from the airplane one section at a time.

B. References

Reference	Title
25-21-24-400-801	Aft Door Doorway Header Panel Installation (P/B 401)
25-21-25-420-801	Aft Entry and Service Doorways Sidewall Lining Panel - Installation (P/B 401)
25-21-71-400-801	Lowered Ceiling Installation (P/B 401)
25-27-21-400-801	Entry and Service Area Floor Covering - Installation (P/B 401)
25-31-41-440-801	Galley No. 4 - Activation (P/B 201)
25-40-14-400-801	Lavatory D Installation (P/B 401)
25-40-15-400-801	Lavatory E Installation (P/B 401)
33-25-00-960-801	Information Sign - Light Assembly Replacement for a Passenger Service Unit (PSU) Sign (P/B 201)
33-51-01-960-802	Exit Sign - Light Assembly Replacement (P/B 201)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
38-10-00-600-801	Potable Water System Disinfectant (P/B 201)
38-42-00-800-801	Potable Water System - Deactivation (P/B 201)
38-42-00-800-802	Potable Water System - Activation (P/B 201)
51-22-00-390-806	Fillet Seal Application (P/B 201)

C. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 60
A00635	Adhesive - RTV 108 Translucent Silicone Rubber RTV Paste, One-part	BAC5010 Type 60 Class A Grade 2 / MIL-A-46106 Type 1
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 109
A50030	Adhesive - Translucent RT Vulcanizing Silicone Rubber - RTV6708	BAC5010 Type 109 Grade 2
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796 Class III
G50237	Compound - Corrosion Inhibiting, Non-drying - Cor-Ban 27L	BMS3-38
G50327	Tape - Advanced Insulation Blanket (use until stock depleted)	BMS5-157 Type I Class 1 Grade B Composition MPVF
G51139	Foam - Flexible Polyvinylidene Fluoride	BMS8-371 Type 1A Class 1 Grade 2

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(Continued)

Reference	Description	Specification
G51202	Tape - Advanced Insulation Blanket	BMS5-157 Type I Class 1 Grade A Composition MPVF

D. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
22	Galley unit	25-31-41-05-085	SIA ALL
29	Floor seal	25-31-41-05-080	SIA ALL

E. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

F. Prepare for the Installation

SUBTASK 25-31-41-390-001

- (1) Make sure that the floor seals and water barrier on the galley floor are not damaged (TASK 25-27-21-400-801).

SUBTASK 25-31-41-100-001

- (2) Clean the galley mat with solvent, B00083.
 - (a) If necessary, repair the galley mat.

G. Galley G4 Installation

NOTE: Be careful when you install the galley to prevent damage to the galley mat.

SUBTASK 25-31-41-420-003

- (1) Align the galley unit [22] inboard near its installed position.

SUBTASK 25-31-41-420-004

- (2) Connect the applicable galley ground straps [2] to the ground studs [3].
 - (a) Do a resistance check of the static ground from the ground stud [3] on the galley to the airplane ground stud.
 - (b) Make sure that the resistance is 0.0025 ohm (2.5 milliohms) or less.

SUBTASK 25-31-41-420-037

- (3) Connect the electrical connectors [1] on the top of the galley unit [22].

SUBTASK 25-31-41-410-007

- (4) If necessary, install the exit signs (TASK 33-51-01-960-802).
 - (a) Put the wires through the panel for the exit lights.

SUBTASK 25-31-41-420-032

- (5) If necessary, install the information signs (TASK 33-25-00-960-801).

SUBTASK 25-31-41-420-006

- (6) Align the lower front section of the galley unit [22] with the airplane floor fittings.

SUBTASK 25-31-41-420-007

- (7) Loosely install the bolts [12], washers [13], and shims [14] at the hard points.

NOTE: This will prevent galley movement while the floor seal is installed.

- (a) Install the shims [14] in the same locations as recorded.

NOTE: The maximum is three shims for each attachment fitting.

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SUBTASK 25-31-41-420-008

- (8) If necessary, install the new floor seal [29] below the cart compartment walls and the walls adjacent to the cabin interior.
- (a) Bond the floor seal with adhesive, A00027, or adhesive, A00930.
 - (b) If necessary, cut the seal on installation.
 - (c) In view areas, make sure that the seal is one continuous piece.
 - 1) If necessary, for corners, use a 90° arc (2 rad) bevel cut.
 - a) Do not cut all the way through the seal.
 - (d) Fillet seal to the galley mat, floor fittings and the galley (TASK 51-22-00-390-806).
 - 1) If necessary, fill ends.
 - 2) Apply enough sealant to produce squeeze out.
 - 3) Clean to a smooth, continuous fillet seal.
 - (e) Do not install on the stabilizer wall panel.

SUBTASK 25-31-41-020-023

- (9) Remove the loosely installed bolts [12], and washers [13], at the floor hard points.

SUBTASK 25-31-41-390-004



USE NITRILE GLOVES FOR SKIN PROTECTION WHEN YOU USE COR-BAN 27L, G50237. IF IT GETS ON YOUR SKIN, IMMEDIATELY REMOVE IT WITH WATER. IF THIS MATERIAL GETS IN YOUR EYES, IMMEDIATELY FLUSH YOUR EYES WITH WATER. GET MEDICAL AID. THIS MATERIAL CONTAINS FLAMMABLE AGENTS WHICH CAN CAUSE INJURIES TO PERSONNEL.

- (10) Apply Cor-Ban 27L Compound, G50237 (preferred) or compound, C00528 (alternate), to the shank and threads on each bolt [12].
- (11) Apply Cor-Ban 27L Compound, G50237 (preferred) or compound, C00528 (alternate), to each washer [13].

SUBTASK 25-31-41-420-033

- (12) Do these steps to attach the galley unit [22] to the floor hard points:
- (a) Install the bolts [12], and the washers [13] to the floor hard points.
 - (b) Make sure that the shims [14] are still in position.

NOTE: The maximum is three shims for each attachment fitting.
 - (c) Tighten the bolts [12] to 107.5 ±17.5 in-lb (12.1 ±2.0 N·m).
 - (d) Install the hard point cover plates.
 - (e) Fillet seal the cover plates with adhesive, A00027, or adhesive, A00930.

SUBTASK 25-31-41-420-038

- (13) Install the stabilizer as necessary, as follows:
- (a) Align the stabilizer with the galley panel and the holes in the mat.
 - (b) Apply RTV6708 adhesive, A50030, to the shank and threads on each bolt.
 - (c) Apply RTV6708 adhesive, A50030, to each washer.
 - (d) Install the bolts and washers to attach the stabilizer to the floor panel.
 - 1) Torque the bolts to 22.5 ±2.5 in-lb (2.5 ±0.3 N·m).

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- (e) Fillet seal the stabilizer to the galley mat and the galley wall with RTV 108 adhesive, A00635, or RTV6708 adhesive, A50030 (TASK 51-22-00-390-806).

SUBTASK 25-31-41-420-030

- (14) Do these steps to install the bearing blocks [18] on the stabilizers [21]:
 - (a) Install the bolts [15], washers [16], and nuts [17] to attach the bearing blocks [18] to the stabilizers [21].

NOTE: For the right hand side stabilizer [21], if the bearing block [18] was installed on the outboard side, then reinstall the bearing block [18] on the outboard side.

SUBTASK 25-31-41-820-002

- (15) Do these steps to connect the tie rods [9] to the top of the galley unit [22]:
 - (a) Adjust the tie rod [9] to the correct length, as follows:
 - 1) Adjust the end of the tie rod [9] assembly without the lockwasher and the lockwire.
 - 2) Make sure that the thread of the tie rod [9] blocks the inspection hole in the body of the tie rod [9].
 - 3) Tighten the jamnut.
 - (b) Attach the quick disconnect release pins [10] at the galley end of the tie rod [9] to the galley lug fittings [11].

SUBTASK 25-31-41-420-013

- (16) Connect the galley water connection [4].

SUBTASK 25-31-41-420-014

- (17) Apply insulation to the water supply line, as follows:
 - (a) Apply insulation foam, G51139, around the water connection [4].
 - (b) Start the insulation foam, G51139, and overlap below the water connection [4].
 - (c) Continue to wind the insulation foam, G51139, around the fitting with a 0.2 +0.3 / -0.0 in. (5.1 +7.6 / -0.0 mm) overlap for each turn.
 - (d) Complete the insulation foam, G51139, wind approximately 2.0 in. (50.8 mm) above the end of the fitting.

NOTE: In areas where the fitting is bent to 90.0 degrees, small clearances between the insulation foam, G51139, and the fitting are permitted. You can apply the insulation foam, G51139, in pieces.

- (e) Apply insulation tape, G50327, or tape, G51202, around the insulation foam, G51139, on the water supply line.
 - 1) Start the insulation tape, G50327, or tape, G51202, and overlap before the insulation foam, G51139 starts.
 - 2) Continue to wind the insulation tape, G50327, or tape, G51202, around the insulation foam, G51139, with a 0.2 +0.3 / -0.0 in. (5.1 +7.6 / -0.0 mm) overlap for each turn.
 - a) Stop after the insulation foam, G51139, stops.
 - 3) Make sure that the insulation tape, G50327, or tape, G51202, fully overlap the seals above the ends of the insulation foam, G51139.
 - 4) Make sure that you fully cover the insulation foam, G51139, with insulation tape, G50327, or tape, G51202.



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SUBTASK 25-31-41-420-015

- (18) Connect the drain line [6].

SUBTASK 25-31-41-420-028

- (19) Tighten the hose clamp [5] on the drain line [6].

SUBTASK 25-31-41-420-016

- (20) Connect the door flexible duct [8].

SUBTASK 25-31-41-420-029

- (21) Tighten the hose clamp [7] on the door flexible duct [8].

SUBTASK 25-31-41-420-018

- (22) If necessary, install the light assembly for the floor proximity light (TASK 33-51-14-960-802).

SUBTASK 25-31-41-390-002

- (23) In the galley wet area, apply a fillet seal to the galley kickstrip retainer or kick plate with adhesive, A00027, or adhesive, A00930.

H. Put the Airplane Back to Its Usual Condition

SUBTASK 25-31-41-440-002



MAKE SURE THAT YOU DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (1) Activate Galley No. 4 (TASK 25-31-41-440-801).

SUBTASK 25-31-41-410-001

- (2) Install the left, right, and center box assembly units in the galley unit [22].

SUBTASK 25-31-41-420-026

- (3) Install the coffee maker, the rail, and the other equipment in the galley unit [22].

SUBTASK 25-31-41-710-002

- (4) Make sure that the exit lights come on.

SUBTASK 25-31-41-710-003

- (5) Make sure that the floor proximity lights come on.

SUBTASK 25-31-41-710-004

- (6) Make sure that the NS/FSB signs on the top left and right side of the galley unit [22] come on.

SUBTASK 25-31-41-710-005

- (7) Do the leak check of the galley water connections.
- (a) Do this task: Potable Water System - Activation, TASK 38-42-00-800-802.
 - (b) Open the water faucets in the galley and let the water flow for 2 minutes.
 - (c) Close the water faucets.
 - (d) Keep the pressure for at least 5 minutes.
 - (e) Do a visual check to make sure that there are no leaks at the water connections.
 - (f) Do this task: Potable Water System - Deactivation, TASK 38-42-00-800-801.

SUBTASK 25-31-41-420-039

- (8) Install the access covers on the galley unit [22].

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- (a) Install the screws and washers to attach the access covers to the structure.

NOTE: Some access panels do not have washers, only screws that attach the access panels to the galley.

SUBTASK 25-31-41-670-001

- (9) Use a disinfectant to clean the potable water system (TASK 38-10-00-600-801).

SUBTASK 25-31-41-410-002

- (10) Install the lavatory (TASK 25-40-14-400-801).

SUBTASK 25-31-41-410-003

- (11) Install the lavatory (TASK 25-40-15-400-801).

SUBTASK 25-31-41-410-004

- (12) Install the aft entry and service doorways sidewall lining panel (TASK 25-21-25-420-801).

SUBTASK 25-31-41-410-005

- (13) Install the aft door doorway header panel (TASK 25-21-24-400-801).

SUBTASK 25-31-41-410-006

- (14) Install the lowered ceiling (TASK 25-21-71-400-801).

———— **END OF TASK** ————

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GALLEY NO. 6 REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Galley No. 6A Removal
- (2) Galley No. 6A Installation.

TASK 25-31-61-000-801

2. Galley No. 6A Removal

Figure 401

A. General

- (1) Carefully remove the galley to prevent damage to the galley mat.

B. References

Reference	Title
25-24-31-000-801	Overhead Stowage Bin - Removal (P/B 401)
25-24-31-000-802	Overhead Stowage Bin Module - Removal (P/B 401)
25-25-12-000-801	Cabin Attendant Seat Removal (P/B 401)
25-40-14-000-801	Lavatory D Removal (P/B 401)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)

C. Location Zones

Zone	Area
241	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Left

D. Prepare for the Removal

SUBTASK 25-31-61-020-001

- (1) If applicable, do this task: Cabin Attendant Seat Removal, TASK 25-25-12-000-801.

SUBTASK 25-31-61-020-002

- (2) If necessary, do this task: Overhead Stowage Bin Module - Removal, TASK 25-24-31-000-802 or Overhead Stowage Bin - Removal, TASK 25-24-31-000-801.

SUBTASK 25-31-61-020-003

- (3) If applicable, do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.

SUBTASK 25-31-61-020-007

- (4) If necessary, remove the lavatory (TASK 25-40-14-000-801).

SUBTASK 25-31-61-020-004

- (5) Remove the galley trim panels.

SUBTASK 25-31-61-020-005

- (6) Remove the carts from the galley.

E. Galley Removal

SUBTASK 25-31-61-020-006

- (1) Do these steps to remove the galley unit [1] from the airplane seat tracks:
 - (a) Remove the seat track fitting [3] coverplates from the galley unit [1].
 - (b) If necessary, remove the grease from the seat track fittings [3] to get access to the bolts [2].

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- (c) Remove the bolts [2] and washers [4] from the seat track fittings [3].
- (d) Remove the galley unit [1] from the seat track fittings [3].
- (e) If necessary, remove the seat track fittings [3] from the seat tracks.

———— **END OF TASK** ————

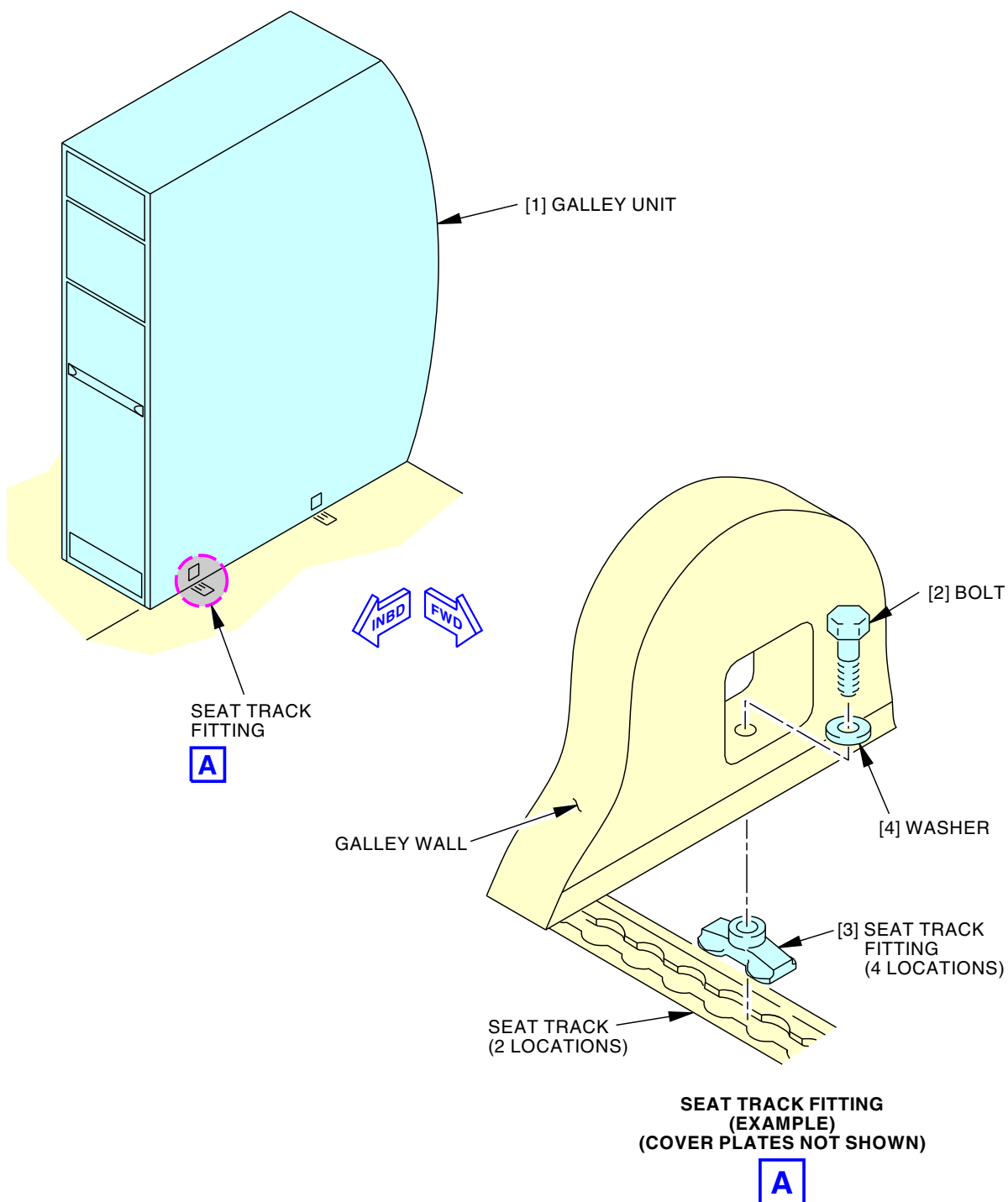
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Galley No. 6A Installation
Figure 401/25-31-61-990-801

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TASK 25-31-61-400-801

3. Galley No. 6A Installation

Figure 401

A. General

- (1) Carefully install the galley to prevent damage to the galley mat.

B. References

Reference	Title
25-24-31-400-801	Overhead Stowage Bin - Installation (P/B 401)
25-24-31-400-802	Overhead Stowage Bin Module - Installation (P/B 401)
25-25-12-400-801	Cabin Attendant Seat Installation (P/B 401)
25-40-14-400-801	Lavatory D Installation (P/B 401)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
51-21-92-600-801	Seat Track Filler Application (P/B 201)

C. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 60
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 109
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796 Class III

D. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Galley unit	25-31-61-05-010	SIA ALL

E. Location Zones

Zone	Area
241	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Left

F. Galley Installation

SUBTASK 25-31-61-160-001

- (1) Clean the galley mat on the floor in the galley area with solvent, B00083.

SUBTASK 25-31-61-350-001

- (2) If necessary, repair the galley mat.

SUBTASK 25-31-61-420-001

- (3) If necessary, install the seat track fittings [3] at the seat track locations.

SUBTASK 25-31-61-390-001

- (4) Do this task: Seat Track Filler Application, TASK 51-21-92-600-801.

SUBTASK 25-31-61-410-001

- (5) Move the galley inboard.

SUBTASK 25-31-61-860-001

- (6) If necessary, adjust the galley.

SUBTASK 25-31-61-420-002

- (7) Put the galley into its correct position.

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SUBTASK 25-31-61-420-003

- (8) If necessary, install or repair the floor seals.
- (a) Bond the floor seals with adhesive, A00027, or adhesive, A00930.

SUBTASK 25-31-61-420-004

- (9) Do these steps to install galley unit [1] to the airplane seat tracks:
- (a) Install the bolts [2], and washers [4] to the seat track fittings [3].
- (b) Apply compound, C00528 to the bolts [2].
- (c) Tighten the bolts [2] to 155 ± 25 in-lb (17.5 ± 2.8 N·m).
- (d) Install the seat track fitting [3] coverplates.
- (e) Seal the coverplates with adhesive, A00027 or adhesive, A00930.

G. Put the Airplane in Its Usual Condition

SUBTASK 25-31-61-420-005

- (1) Install the carts in the galley.

SUBTASK 25-31-61-420-006

- (2) Install the galley trim panels.

SUBTASK 25-31-61-420-010

- (3) If removed, install the lavatory (TASK 25-40-14-400-801).

SUBTASK 25-31-61-420-007

- (4) If applicable, do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.

SUBTASK 25-31-61-420-008

- (5) If necessary, do this task: Overhead Stowage Bin - Installation, TASK 25-24-31-400-801 or Overhead Stowage Bin Module - Installation, TASK 25-24-31-400-802.

SUBTASK 25-31-61-420-009

- (6) If applicable, do this task: Cabin Attendant Seat Installation, TASK 25-25-12-400-801.

———— **END OF TASK** ————

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GALLEY G7 - MAINTENANCE PRACTICES

1. General

A. This procedure has these tasks:

- (1) Galley G7 - Deactivation
- (2) Galley G7 - Activation.

TASK 25-31-71-040-801

2. Galley G7 - Deactivation

A. General

- (1) This task will deactivate the galley power systems.

B. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

C. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

D. Galley G7 Deactivation

SUBTASK 25-31-71-010-006

- (1) To get access to the P91 and P92 panels, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-31-71-040-004



WARNING

WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



WARNING

DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (2) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	7	C00913	GALLEY BUS C

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Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	8	C00915	GALLEY BUS D

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	8	C00914	GALLEY BUS B

SUBTASK 25-31-71-410-009

- (3) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

E. Galley Power Systems - Tryout

NOTE: This tryout will make sure that the galley power systems are in a zero energy condition.

SUBTASK 25-31-71-040-001

- (1) Make sure that the GALLEY POWER indicator light on the electrical control panel on the galley unit is off.

SUBTASK 25-31-71-040-002

- (2) Put the WORK LIGHT BRT/OFF/DIM switch on the galley electrical control panel to the BRT or DIM position.
- (a) Make sure that the light does not come on.

SUBTASK 25-31-71-040-003

- (3) Put the WORK LIGHT BRT/OFF/DIM switch on the galley electrical control panel to the OFF position.

————— END OF TASK —————

TASK 25-31-71-440-801

3. Galley G7- Activation

A. General

- (1) This task will activate the galley power systems.

B. Location Zones

<u>Zone</u>	<u>Area</u>
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

C. Access Panels

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

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D. Galley G7 - Activation

SUBTASK 25-31-71-010-007

- (1) To get access to the P91 and P92 panel, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-31-71-440-001



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (2) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	7	C00913	GALLEY BUS C
F	8	C00915	GALLEY BUS D

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	8	C00914	GALLEY BUS B

SUBTASK 25-31-71-410-010

- (3) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

————— END OF TASK —————

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GALLEY G7 - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Galley G7 Removal
- (2) Galley G7 Installation.

TASK 25-31-71-000-801

2. Galley G7 Removal

A. **References**

Reference	Title
25-21-30-020-801	Forward Entry Door Doorway Header Panel Removal (P/B 401)
25-21-31-420-801	Forward Entry Doorway Sidewall Lining Panel - Removal (P/B 401)
25-24-31-000-801	Overhead Stowage Bin - Removal (P/B 401)
25-24-31-000-802	Overhead Stowage Bin Module - Removal (P/B 401)
25-31-71-040-801	Galley G7 - Deactivation (P/B 201)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)

B. **Location Zones**

Zone	Area
118	Electrical and Electronics Compartment - Right
230	Subzone - Passenger Compartment - Body Station 360.00 to 663.75

C. **Access Panels**

Number	Name/Location
117A	Electronic Equipment Access Door

D. **Prepare for the Removal**

SUBTASK 25-31-71-040-005

- (1) Deactivate the Galley G7 (TASK 25-31-71-040-801).

SUBTASK 25-31-71-010-008

- (2) To get access to the P92 panel, open this access panel:

Number	Name/Location
117A	Electronic Equipment Access Door

SUBTASK 25-31-71-860-001



WARNING

WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (3) Make sure that this circuit breaker is open and has safety tag:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	8	C00914	GALLEY BUS B

SUBTASK 25-31-71-020-015

- (4) If necessary, remove the equipment or furnishings that are attached to the galley unit [1].

SUBTASK 25-31-71-020-002

- (5) Remove the forward entry door doorway header panel (TASK 25-21-30-020-801).

SUBTASK 25-31-71-020-003

- (6) Remove the forward entry doorway sidewall lining panel (TASK 25-21-31-420-801).

SUBTASK 25-31-71-020-004

- (7) If necessary, remove the light assembly for the floor proximity lights (TASK 33-51-14-960-802).

SUBTASK 25-31-71-020-005

- (8) If necessary, remove the overhead stowage bins (TASK 25-24-31-000-802 or TASK 25-24-31-000-801).

SUBTASK 25-31-71-010-005

- (9) If necessary, remove the equipment or furnishings that are attached to the galley unit [1].

E. Galley G7 Removal

SUBTASK 25-31-71-020-006

- (1) Do these steps to disconnect the tie rod [5] from the galley unit [1] structure:
- (a) Remove the quick-release pin [7] that attaches the tie rod [5] to the clevis [6].
 - (b) Disconnect the tie rod [5] from the galley unit [1] structure.

SUBTASK 25-31-71-020-007

- (2) Do these steps to disconnect the galley unit [1] from the seat track fittings [4]:
- (a) If necessary, remove the screws and coverplates from the seat track fittings [4].
 - (b) Remove the seat track fitting bolts [2] from the seat track fittings [4].
 - (c) If necessary, remove the seat track fittings [4] from the seat track locations.

SIA ALL; AIRPLANES WITH GALLEY HARDPOINT FITTINGS

SUBTASK 25-31-71-020-008

- (3) If necessary, do these steps to disconnect the hardpoint fittings from the galley unit [1]:
- (a) If necessary, remove the screws and coverplates from the hardpoint fittings.
 - (b) Remove the bolts [9], washer [10] and shims [11] from the galley unit [1].

SIA ALL

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SUBTASK 25-31-71-020-009

- (4) Carefully remove the galley unit [1] to prevent damage to the galley mat.

———— **END OF TASK** ————

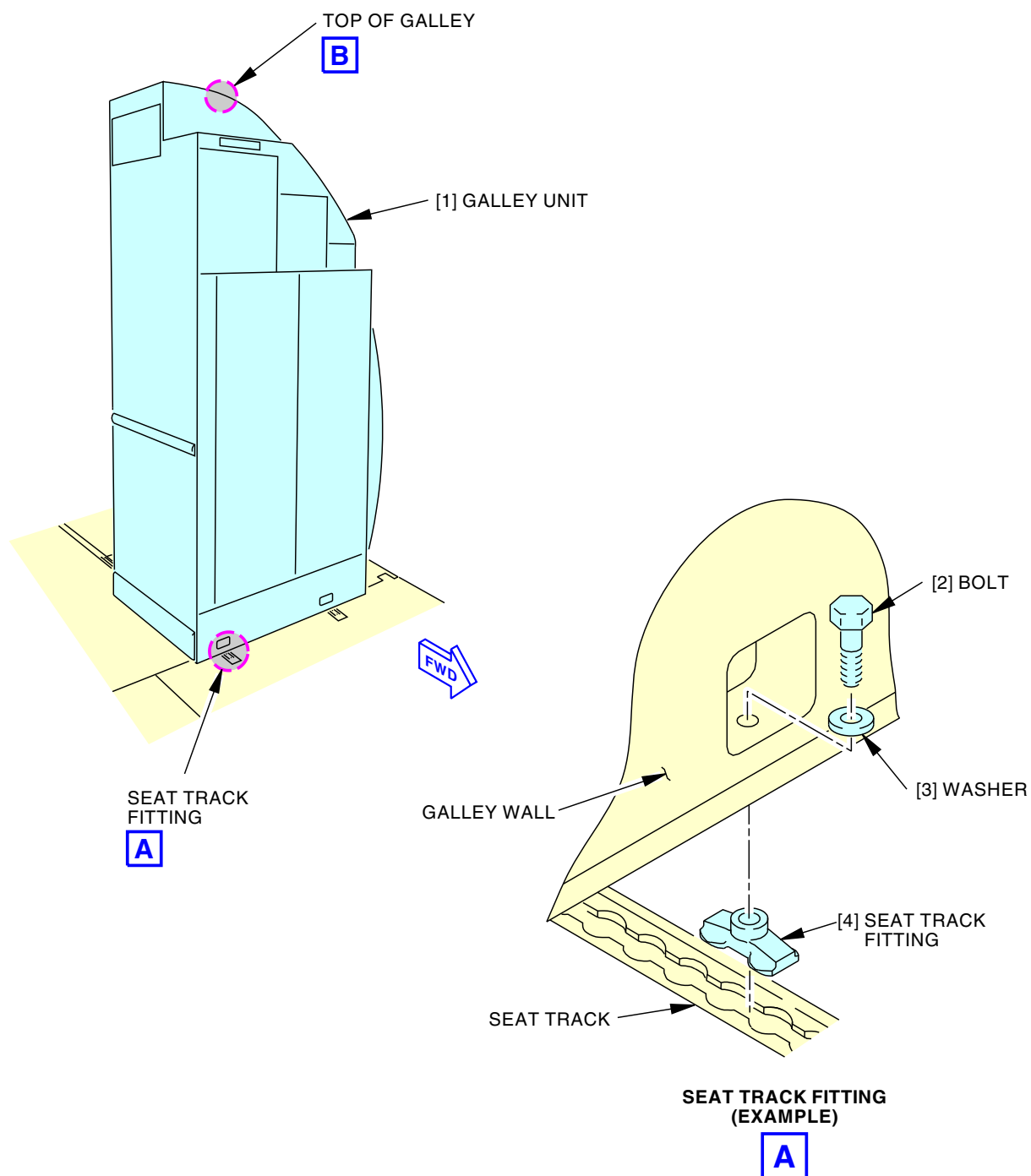
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Galley G7 Installation
Figure 401/25-31-71-990-801 (Sheet 1 of 4)

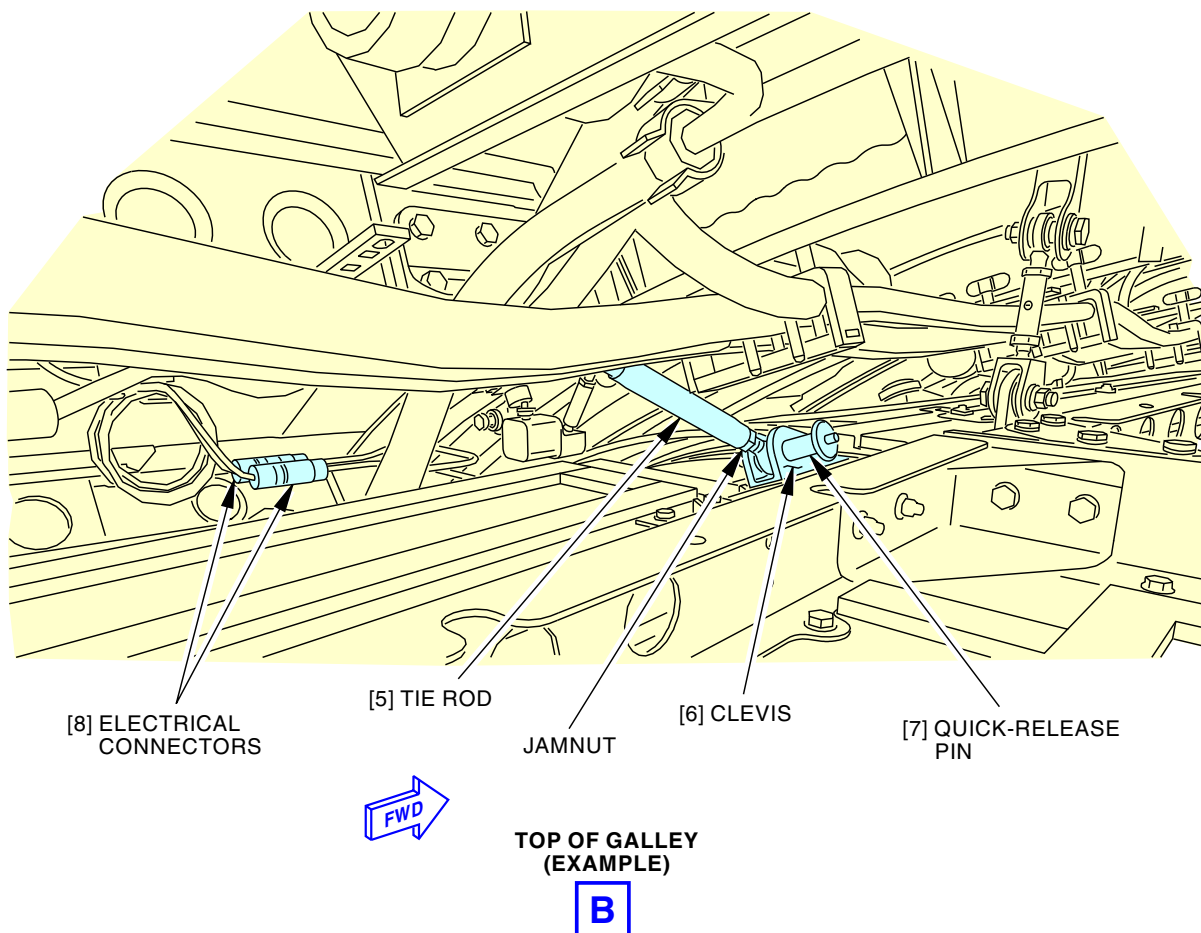
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Galley G7 Installation
Figure 401/25-31-71-990-801 (Sheet 2 of 4)

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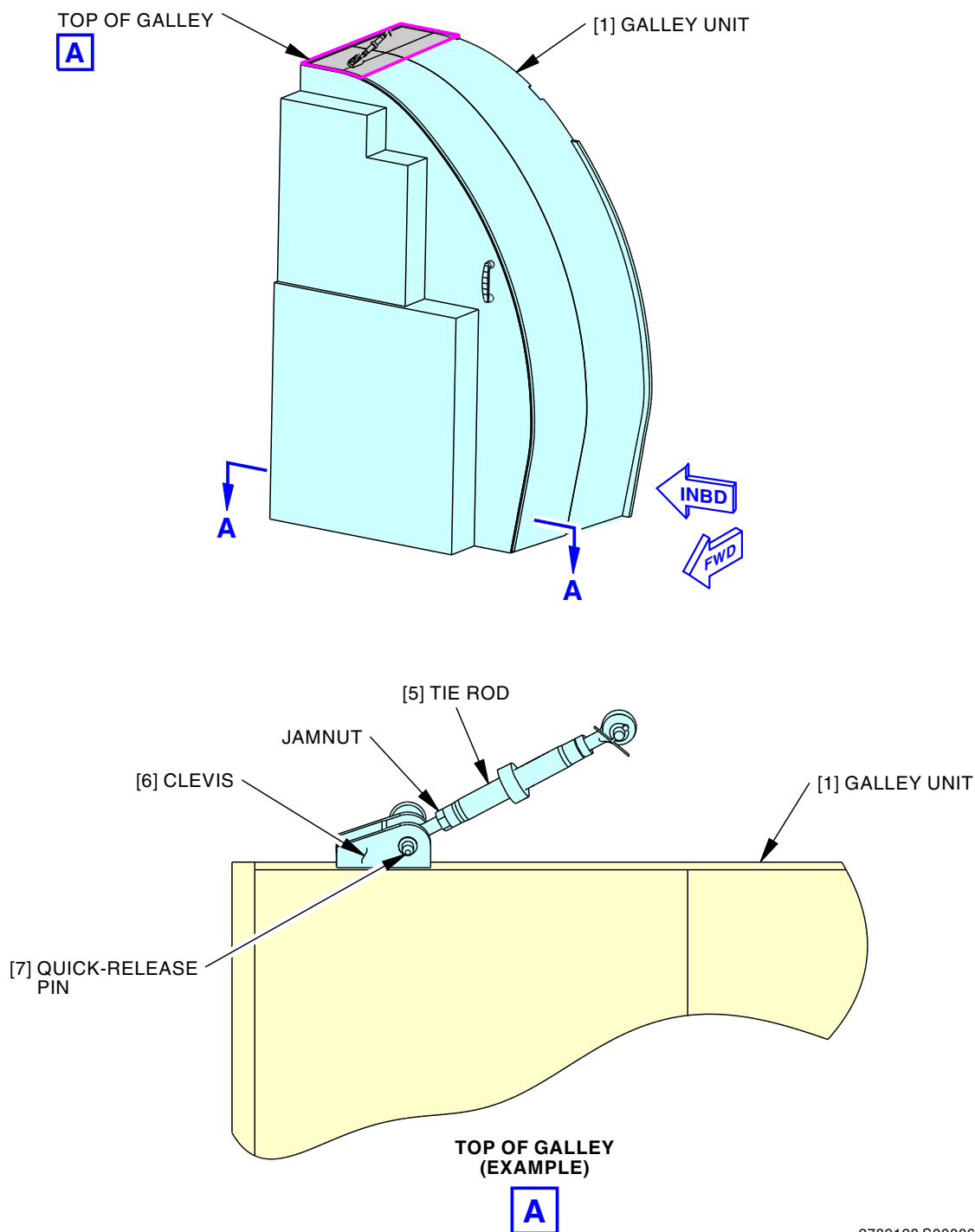
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Galley G7 Installation
Figure 401/25-31-71-990-801 (Sheet 3 of 4)

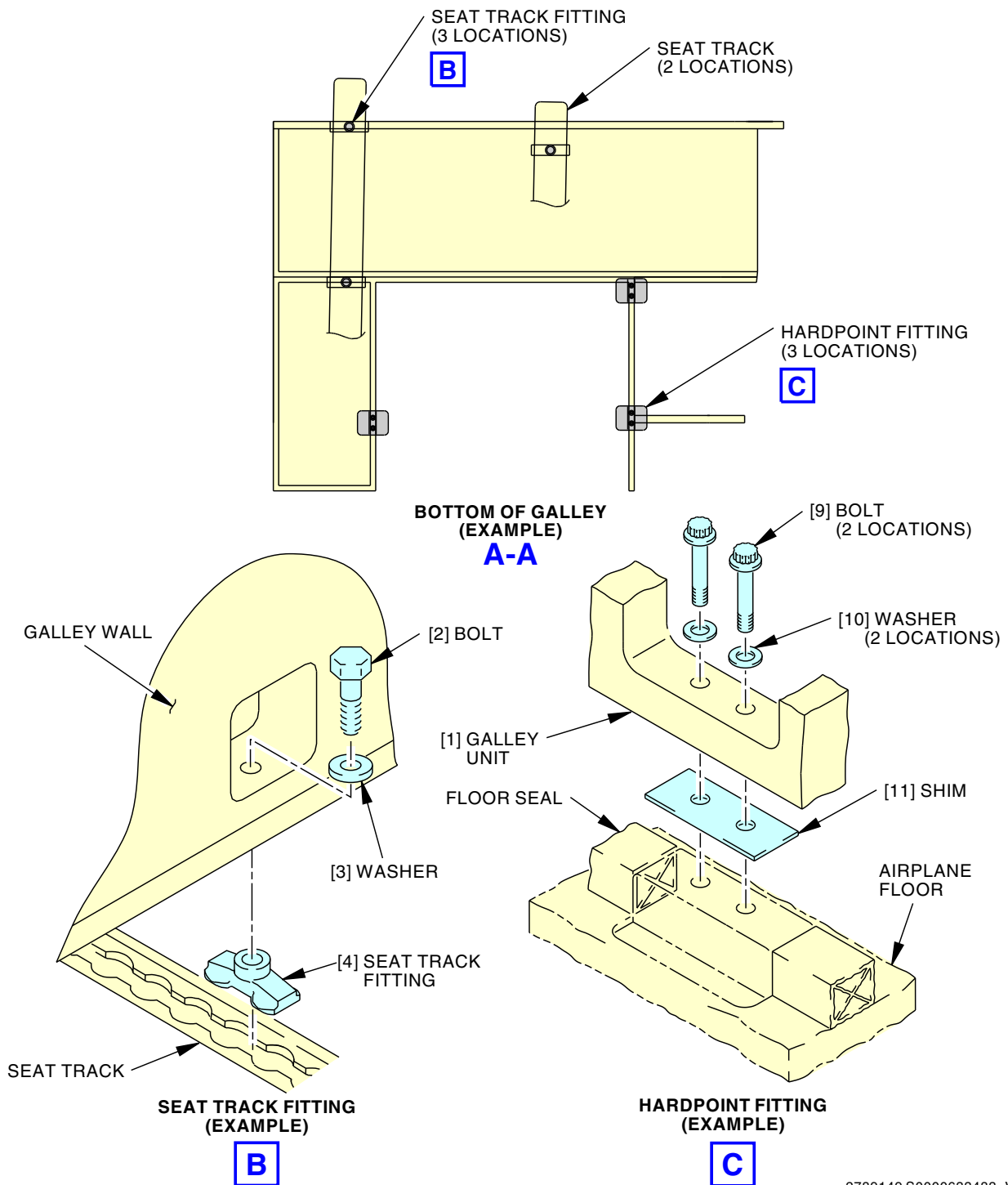
EFFECTIVITY
SIA ALL; AIRPLANES WITH GALLEY HARDPOINT
FITTINGS

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2789149 S0000633483_V2

Galley G7 Installation
Figure 401/25-31-71-990-801 (Sheet 4 of 4)

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FITTINGS

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TASK 25-31-71-400-801

3. Galley G7 Installation

A. References

Reference	Title
25-21-34-400-801	Forward Galley Door Doorway Header Panel Installation (P/B 401)
25-21-35-420-801	Forward Galley Doorway Sidewall Lining Panel - Installation (P/B 401)
25-22-00-400-801	Passenger Seat Installation (P/B 401)
25-24-31-400-801	Overhead Stowage Bin - Installation (P/B 401)
25-24-31-400-802	Overhead Stowage Bin Module - Installation (P/B 401)
25-27-21-400-801	Entry and Service Area Floor Covering - Installation (P/B 401)
25-31-71-440-801	Galley G7- Activation (P/B 201)
33-25-00-960-801	Information Sign - Light Assembly Replacement for a Passenger Service Unit (PSU) Sign (P/B 201)
33-51-00-720-801	Emergency Lights Operational Test (P/B 501)
51-21-92-600-801	Seat Track Filler Application (P/B 201)

B. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 60
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 109
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796 Class III

C. Location Zones

Zone	Area
118	Electrical and Electronics Compartment - Right
230	Subzone - Passenger Compartment - Body Station 360.00 to 663.75

D. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

E. Prepare for the Installation

SUBTASK 25-31-71-860-002

- (1) Make sure that Galley G7 is deactivated.



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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I (WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (2) Make sure that this circuit breaker is open and has safety tag:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	8	C00914	GALLEY BUS B

SUBTASK 25-31-71-210-001

- (3) Make sure that the floor seals and water barrier on the galley floor are not damaged (TASK 25-27-21-400-801).

SUBTASK 25-31-71-100-001

- (4) Clean the galley mat with solvent, B00083.
(a) Repair the galley mat, if necessary.

F. Galley G7 Installation

NOTE: Be careful during the galley installation to prevent damage to the galley mat.

SUBTASK 25-31-71-420-001

- (1) Install the seat track fittings [4] at the seat track locations (TASK 51-21-92-600-801).

SUBTASK 25-31-71-420-002

- (2) Put the galley unit [1] in its installed position (Figure 401).

SUBTASK 25-31-71-420-004

- (3) Align the galley unit [1], as follows:
(a) Make sure that the galley unit [1] floor is parallel to the airplane floor.

SUBTASK 25-31-71-420-005

- (4) Loosely install the seat track fitting [4], washers [3] and bolts [2] at the seat track locations.

NOTE: This will prevent galley unit [1] movement when you install the floor seals.

SIA ALL; AIRPLANES WITH GALLEY HARDPOINT FITTINGS

SUBTASK 25-31-71-420-003

- (5) Loosely install the washer [10], shims [11] and bolts [9] at the hardpoint fitting locations.

NOTE: This will prevent galley unit movement when you install the floor seals and the tie rod.

SIA ALL

SUBTASK 25-31-71-420-006

- (6) Install the floor seals (TASK 25-27-21-400-801).
(a) Bond the floor seals with adhesive, A00027, or adhesive, A00930.

SUBTASK 25-31-71-420-007

- (7) Do these steps to connect the tie rod [5] to the clevis [6] on the top of the galley unit [1]:
(a) Adjust the tie rod [5] to the correct length, as follows:
1) Adjust only the galley end of the tie rod [5].

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- 2) Make sure that the threads of the tie rod [5] block the inspection hole in the body of the tie rod [5].
- 3) Finger tighten the jamnut on the tie rod [5].
- (b) Install the quick-release pin [7] at the galley end of the tie rod [5].

SUBTASK 25-31-71-420-009

- (8) Do these steps to attach the seat track fitting [4] to the galley unit [1] and the airplane structure:
 - (a) Apply compound, C00528, on the bolts [2] and washers [3].
 - (b) Tighten the bolts [2] to 107.5 ±17.5 in-lb (12.1 ±2.0 N·m).
 - (c) If necessary, install the coverplates and screws to the galley unit [1].
 - (d) If necessary, seal the coverplates and screws with adhesive, A00027, or adhesive, A00930.

SIA ALL; AIRPLANES WITH GALLEY HARDPOINT FITTINGS

SUBTASK 25-31-71-020-011

- (9) Do these steps to attach the hardpoint fittings to the galley unit [1] and the airplane structure:
 - (a) Apply compound, C00528, on the bolts [9], shims [11] and washer [10].
 - (b) Tighten the bolts [9] 90.0 in-lb (10.2 N·m) to 125.0 in-lb (14.1 N·m).
 - (c) If necessary, install the coverplates and screws to the galley unit [1].
 - (d) If necessary, seal the coverplates and screws with adhesive, A00027, or adhesive, A00930.

SIA ALL

SUBTASK 25-31-71-420-008

- (10) If necessary, do these steps to install the access covers:
 - (a) Install the screws and washers to attach the access cover to the galley unit [1].

NOTE: Some access panels do not use washers to install the access cover, only the screws.
 - (b) Seal the access panels with adhesive, A00027, or adhesive, A00930.

SUBTASK 25-31-71-390-001

- (11) Apply a 0.25 in. (0.64 cm) to 0.35 in. (0.89 cm) fillet seal between the galley mat and galley structure with adhesive, A00027, or adhesive, A00930.

G. Put the Airplane Back to Its Usual Condition

SUBTASK 25-31-71-410-001

- (1) Install the forward galley doorway header panel (TASK 25-21-34-400-801).

SUBTASK 25-31-71-410-002

- (2) Install the forward galley doorway sidewall lining panel (TASK 25-21-35-420-801).

SUBTASK 25-31-71-410-003

- (3) If necessary, install the overhead stowage bins (TASK 25-24-31-400-801 or TASK 25-24-31-400-802).

SIA 001-014

SUBTASK 25-31-71-410-004

- (4) If necessary, do this task: Passenger Seat Installation, TASK 25-22-00-400-801.

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SUBTASK 25-31-71-440-002

- (5) Activate the Galley G7 (TASK 25-31-71-440-801).

SUBTASK 25-31-71-860-003



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



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- (6) Remove the safety tag and close this circuit breaker:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	8	C00914	GALLEY BUS B

SUBTASK 25-31-71-410-011

- (7) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-31-71-710-002

- (8) Do these steps to make sure that the electrical components in the galley operate correctly:
- (a) Do this task: Emergency Lights Operational Test, TASK 33-51-00-720-801.
 - (b) Make sure that the exit light comes on.
 - (c) Make sure that the floor proximity lights come on.
 - (d) Make sure that the galley lights operate correctly.

SUBTASK 25-31-71-710-001

- (9) Make sure that the NS/FSB sign operates correctly for all overhead bins.
- (a) If necessary, repair the information sign (TASK 33-25-00-960-801).

SUBTASK 25-31-71-420-011

- (10) If necessary, install the equipment or furnishings that are attached to the galley unit [1].

————— END OF TASK —————

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FORWARD GALLEY HEADER - REMOVAL/INSTALLATION

1. General

- A. This procedure has these task:
- (1) Forward Galley Header Removal
 - (2) Forward Galley Header Installation

TASK 25-31-83-000-801

2. Forward Galley Header Removal

(Figure 401)

A. References

Reference	Title
25-21-71-000-801	Lowered Ceiling Removal (P/B 401)

B. Prepare for the Removal

SUBTASK 25-31-83-410-001

- (1) Remove the close out panel (TASK 25-21-71-000-801).

C. Remove the Forward Galley Header

SUBTASK 25-31-83-420-001

- (1) Remove the curtain [2] from the track on the galley header [1].

SUBTASK 25-31-83-420-002

- (2) Remove the four screws [4] and washers [3] (2 locations) that attach the galley header [1] to the structure.

SUBTASK 25-31-83-420-003

- (3) Remove the galley header [1].

————— **END OF TASK** —————

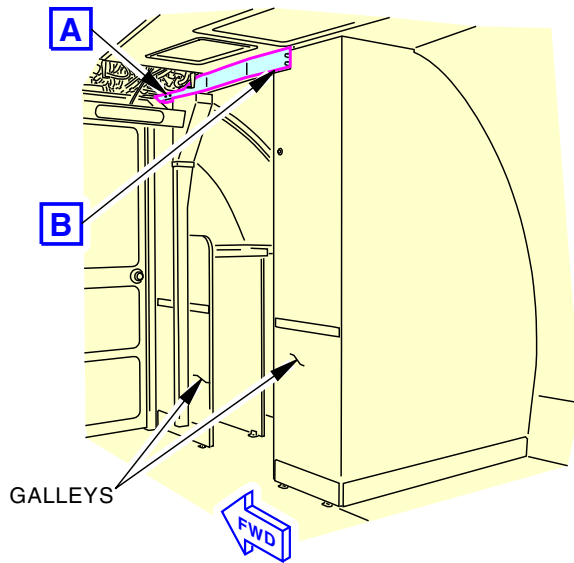
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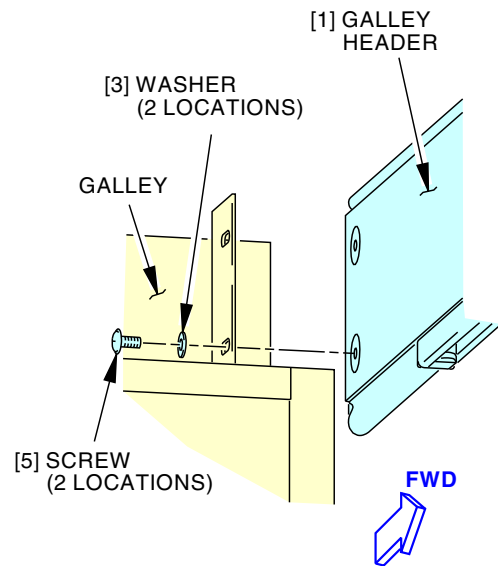
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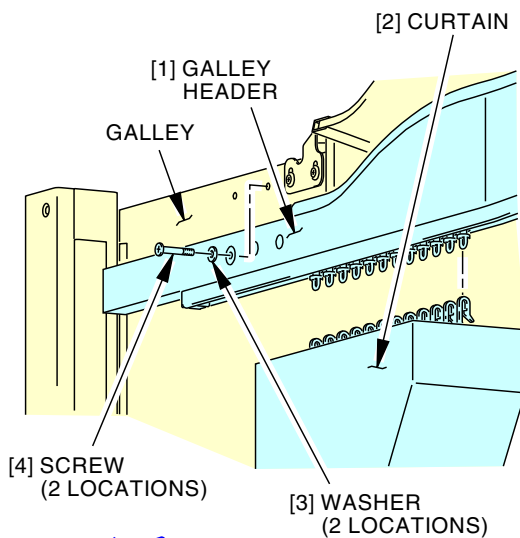


FORWARD PASSENGER COMPARTMENT
(EXAMPLE)



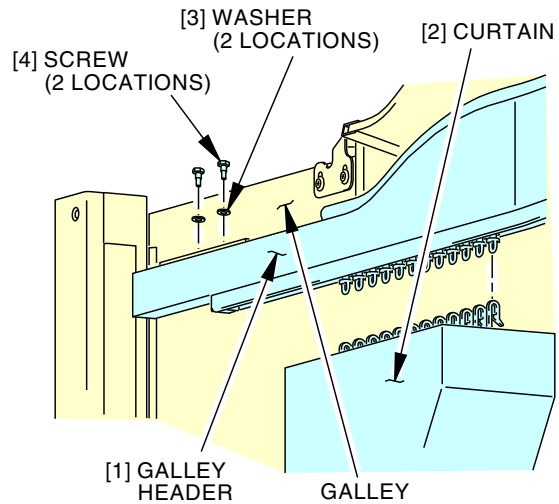
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B



(EXAMPLE)

A



(EXAMPLE)

A

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Forward Galley Header Installation
Figure 401/25-31-83-990-801

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TASK 25-31-83-400-801

3. Forward Galley Header Installation

(Figure 401)

A. References

Reference	Title
25-21-71-400-801	Lowered Ceiling Installation (P/B 401)

B. Install the Forward Galley Header

SUBTASK 25-31-83-420-004

(1) Align the galley header [1] in the correct position.

SUBTASK 25-31-83-420-005

(2) Install the four screws [4] and washers [3] to attach the galley header [1] to the structure.

SUBTASK 25-31-83-420-006

(3) Install the curtain [2] on the track of the galley header [1].

C. Put the Airplane Back to Its Usual Condition

SUBTASK 25-31-83-410-002

(1) Install the close out panel ((TASK 25-21-71-400-801).

————— END OF TASK —————

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COFFEE MAKER - REMOVAL/INSTALLATION

SIA

SIA 1. General

SIA A. This procedure contains these tasks:

SIA (1) Coffee Maker Removal

SIA (2) Coffee Maker Installation.

SIA B. This procedure is for the B/E Aerospace coffee maker:

SIA (1) Endura Series

SIA (a) P/N 4510-XXXX-0X.

SIA **TASK 25-32-01-000-802**

SIA 2. Coffee Maker Removal

SIA (Figure 401)

SIA A. **General**

SIA (1) This task is for the B/E Aerospace 4510 series coffee makers.

SIA B. **Location Zones**

SIA **Zone Area**

SIA 200 Upper Half of Fuselage

SIA C. **Prepare for the Removal**

SIA SUBTASK 25-32-01-680-002

SIA (1) Bleed the water pressure from the water lines in the coffee maker [1].

SIA (a) Turn off the galley water supply.

SIA (b) On the coffee maker [1], push the POWER push-button.

SIA 1) Make sure that the POWER light comes on.

SIA (c) Put the brew handle to the down position.

SIA (d) Push the BREW push-button.

SIA NOTE: Use a container to collect the water.

SIA (e) Push the POWER push-button to the off position.

SIA (f) Put the brew handle to the up position.

SIA SUBTASK 25-32-01-860-005

SIA (2) Open the applicable circuit breakers for the coffee maker [1] on the galley control panel and attach safety tags.

SIA SUBTASK 25-32-01-010-001

SIA



WARNING

THE WATER CAN BE HOT. IT CAN CAUSE INJURIES.

SIA

SIA

SIA



WARNING

DO NOT TOUCH HOT PARTS WITH YOUR BARE HANDS. MAKE SURE YOU USE PROTECTIVE GLOVES. THIS WILL HELP PREVENT INJURY TO PERSONS.

SIA

(3) Remove the brew cup [2] and coffee pot from the coffee maker [1].

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SIA D. Coffee Make Removal

SIA SUBTASK 25-32-01-020-006

SIA (1) Loosen the captive screw from the lock down latch.

SIA SUBTASK 25-32-01-020-008

SIA (2) Pull the coffee maker [1] out from the galley compartment until it disconnects from the rail.

SIA SUBTASK 25-32-01-020-009

SIA (3) Remove the coffee maker [1] from the galley compartment.

SIA ——— END OF TASK ———

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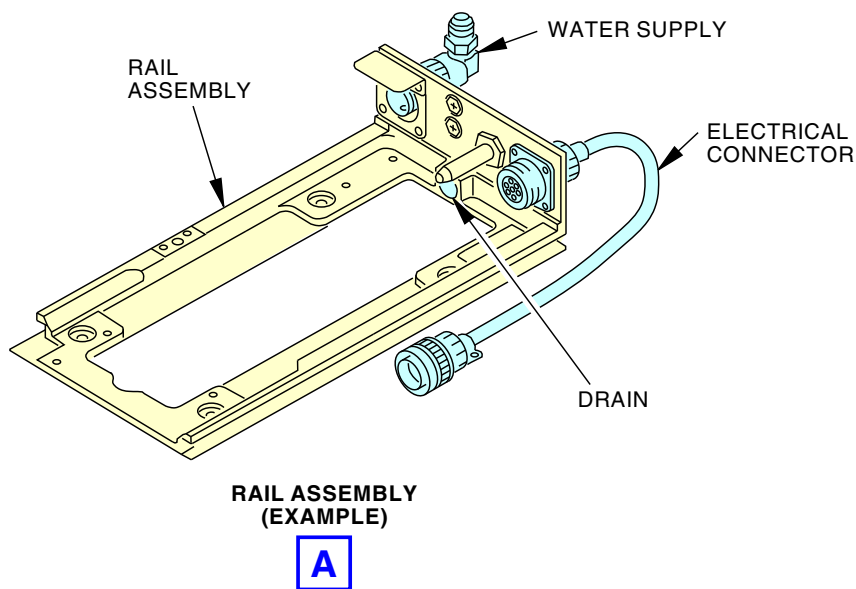
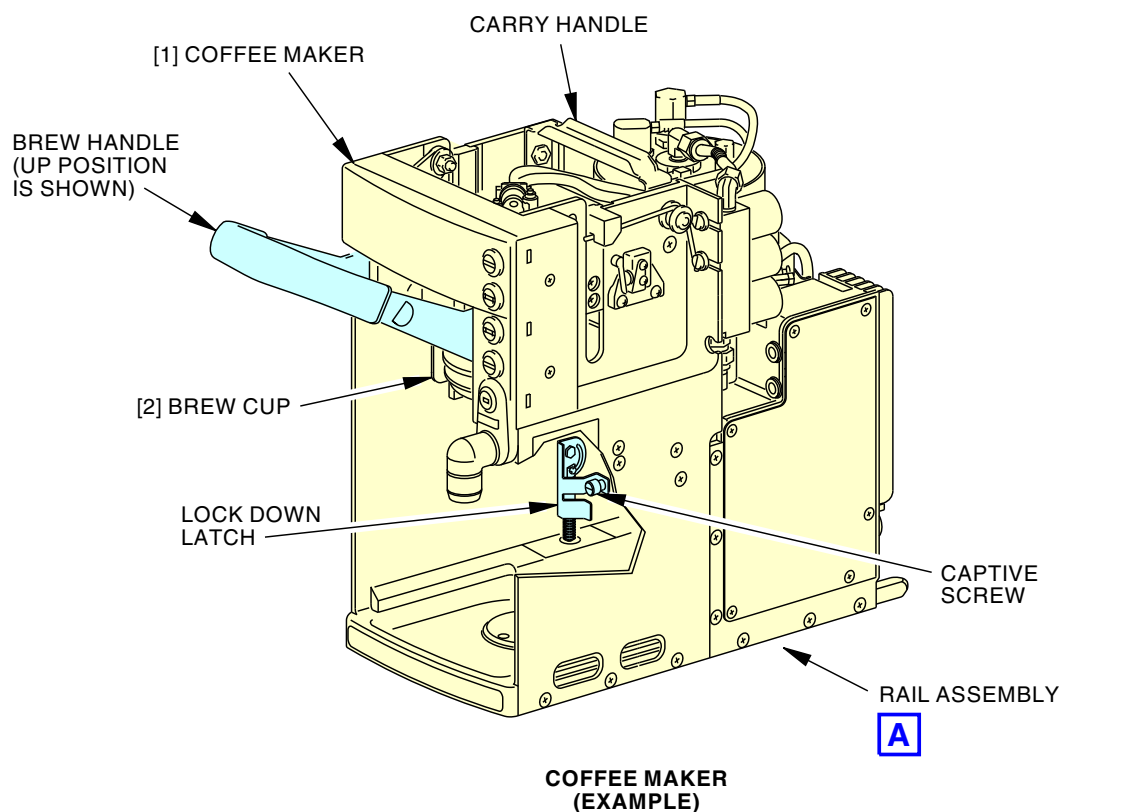
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SIA
SIA

Coffee Maker (Endura Series) Installation
Figure 401/25-32-01-990-802

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SIA TASK 25-32-01-400-802
SIA 3. Coffee Maker Installation
SIA (Figure 401)

SIA A. References

Reference	Title
38-42-00-800-802	Potable Water System - Activation (P/B 201)

SIA B. Location Zones

Zone	Area
200	Upper Half of Fuselage

SIA C. Coffee Maker Installation

SIA SUBTASK 25-32-01-420-008

SIA (1) Place the coffee maker [1] on the rails in the galley compartment.

SIA SUBTASK 25-32-01-420-009

SIA (2) Push the coffee maker [1] into the galley compartment.

SIA SUBTASK 25-32-01-820-002

SIA (3) Align the water supply, drain, and electrical connector on the rail assembly with the coffee
SIA maker [1].

SIA SUBTASK 25-32-01-010-003

SIA (4) Attach the coffee maker [1] to the rail assembly, as follows:

SIA (a) Push down the lock down latch.

SIA (b) Put the captive screw into the threaded hole.

SIA (c) Tighten the captive screw.

SIA D. Coffee Maker Installation Test

SIA SUBTASK 25-32-01-860-006

SIA (1) Remove the safety tags and close the applicable circuit breakers for the coffee maker [1] on
SIA the galley control panel.

SIA SUBTASK 25-32-01-710-021

SIA (2) Activate the potable water system (TASK 38-42-00-800-802).

SIA SUBTASK 25-32-01-710-022

SIA (3) Test the coffee maker, as follow:

SIA (a) On the coffee maker [1], push the POWER push-button to the on position.

SIA (b) Put the coffee pot and brew cup [2] in the coffee maker [1].

SIA (c) Put the brew handle to the down position.

SIA (d) Push the BREW push-button.

SIA (e) When there is a steady stream of water, push the POWER push-button to the off position.

SIA ———— END OF TASK ————

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AIRCRAFT MAINTENANCE MANUAL

COFFEE MAKER - ADJUSTMENT/TEST

SIA

1. General

A. This procedure contains this task:

(1) Coffee Maker - Operational Test.

B. This task applies to these types of B/E Aerospace coffee makers:

(1) Endura series coffee makers.

TASK 25-32-01-710-803

2. Coffee Maker - Operational Test

A. **General**

(1) This task does an operational test for these topics:

(a) Brew Coffee (Endura Series) - Operational Test

(b) Brew Tea (Endura Series) - Operational Test.

B. **Location Zones**

Zone	Area

200	Upper Half of Fuselage

C. **Prepare for the Operational Test**

SUBTASK 25-32-01-710-023

(1) Make sure that there is sufficient water in the tank.

(a) If the water level in the tank is low, the LOW WATER light comes on.

(b) If necessary, fill the tank with water.

D. **Brew Coffee (Endura Series) - Operational Test**

SUBTASK 25-32-01-710-043

(1) On the coffee maker, push the POWER push-button.

NOTE: This starts the preheat cycle to heat the water in the tank for brewing.

SUBTASK 25-32-01-010-002

(2) Remove the brew cup from the brew chamber.

SUBTASK 25-32-01-420-012

(3) Install a pillow pack of coffee on the top surface of the brew cup's metal base plate.

(a) Make sure that the seam on the pillow pack is face down.

(b) Make sure that the pillow pack is fully installed in the brew cup.

(c) Make sure that the pillow pack is not compressed or folded.

SUBTASK 25-32-01-420-013

(4) Install the brew cup in the brew chamber.

SUBTASK 25-32-01-420-014

(5) Install the server in the server cavity.

SUBTASK 25-32-01-710-025

(6) Fully lower the brew handle to lock the brew cup and server in the coffee maker.

EFFECTIVITY
SIA ALL

25-32-01

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SIA SUBTASK 25-32-01-710-026
SIA (7) Push the platen heater push-button on the coffee maker.
SIA NOTE: The platen heater is used to keep the coffee hot in the server.

SIA SUBTASK 25-32-01-710-027
SIA (8) On the coffee maker, push the BREW push-button.
SIA NOTE: Brewing will start when the water is at the correct brew temperature. From a cold start,
SIA this heat-up process will take approximately 3 minutes. When the heat-up period is
SIA complete, the coffee maker will brew and dispense coffee to the server in
SIA approximately 3 minutes.

SIA SUBTASK 25-32-01-710-028
SIA (9) When the BREW light goes off, push the brew handle up.
SIA NOTE: The brew cycle has completed.

SIA SUBTASK 25-32-01-020-010
SIA (10) Remove the brew cup and discard the used pillow pack.

SIA SUBTASK 25-32-01-420-015
SIA (11) Install a new pillow pack in the brew cup.
SIA (a) Install the brew cup in the brew chamber.

SIA SUBTASK 25-32-01-710-029
SIA (12) Fully lower the brew handle to lock the brew cup and server in the coffee maker.

E. Brew Tea (Endura Series) - Operational Test

SIA SUBTASK 25-32-01-710-035
SIA (1) On the coffee maker, push the POWER push-button.
SIA NOTE: This starts the preheat cycle to heat the water in the tank.

SIA SUBTASK 25-32-01-020-011
SIA (2) Remove the brew cup from the brew chamber.
SIA (a) Make sure that the brew cup is empty.

SIA SUBTASK 25-32-01-420-016
SIA (3) Install the empty brew cup into the brew chamber.

SIA SUBTASK 25-32-01-710-044
SIA (4) Put tea bags in the empty server.

SIA SUBTASK 25-32-01-710-045
SIA (5) Install the server.

SIA SUBTASK 25-32-01-710-046
SIA (6) Fully lower the brew handle to lock the brew cup and server in the coffee maker.

SIA SUBTASK 25-32-01-710-047
SIA (7) On the coffee maker, push the TEA push-button.
SIA NOTE: The TEA light will blink or pulse while the water is heating to the correct temperature.

SIA SUBTASK 25-32-01-710-048
SIA (8) When the TEA light comes on, push the brew handle up.
SIA NOTE: The hot water is ready for tea.

————— END OF TASK —————

EFFECTIVITY
SIA ALL

25-32-01

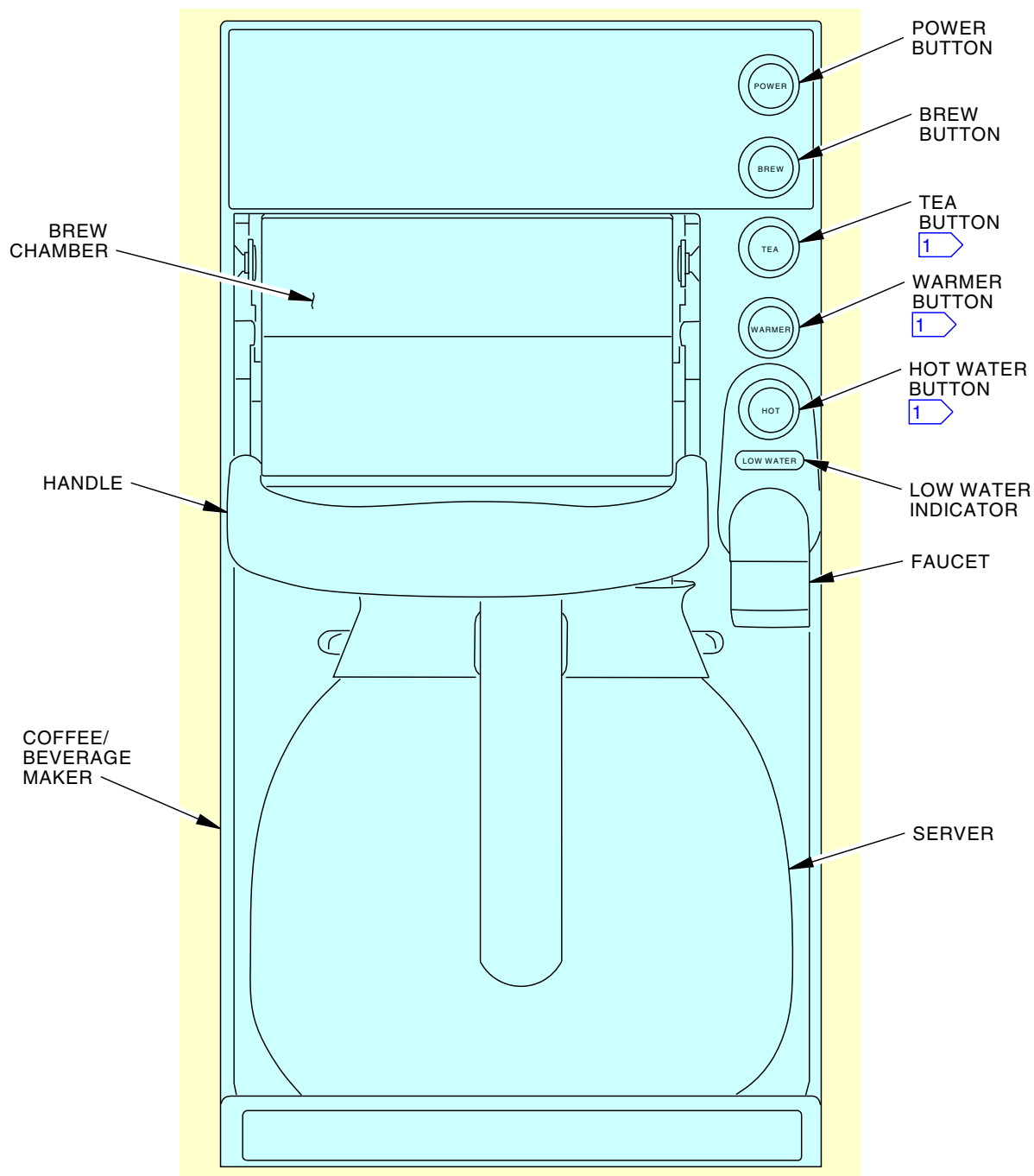
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1 OPTIONAL FEATURES NOT
AVAILABLE ON EVERY MODEL

COFFEE/BEVERAGE MAKER
(EXAMPLE)

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SIA
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Coffee Maker (Endura Series) Operational Test
Figure 501/25-32-01-990-804

EFFECTIVITY
SIA ALL

25-32-01

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GALLEY OVEN - REMOVAL/INSTALLATION

SIA

1. General

A. This procedure contains these tasks:

(1) Oven Removal

(2) Oven Installation.

TASK 25-32-03-000-803

2. Steam Oven Removal (BE Aerospace)

(Figure 401)

A. **Location Zones**

Zone	Area

200	Upper Half of Fuselage

B. **Prepare for the Removal**

SUBTASK 25-32-03-760-002

(1) Open the applicable circuit breaker for the steam oven [1] on the galley control panel and attach safety tags.

SUBTASK 25-32-03-710-029

(2) Turn off the galley water supply.

SUBTASK 25-32-03-710-030

(3) Turn the door knob to the LOCK position.

SUBTASK 25-32-03-710-031

(4) Put the latch to the locked position.

C. **Galley Steam Oven Removal**

SUBTASK 25-32-03-020-029

(1) If applicable remove the tray and rack from the steam oven.

SUBTASK 25-32-03-020-009

(2) Remove the two screws [2] that hold the steam oven [1] to the galley shelf.

NOTE: These two screws [2] are below the galley shelf and connect to the front of the steam oven [1].

SUBTASK 25-32-03-010-001

(3) Carefully move the steam oven [1] forward on the galley shelf to get access to the rear.

SUBTASK 25-32-03-020-010

(4) Disconnect the galley electrical cable from the electrical connector [4] on the rear of the steam oven [1].

SUBTASK 25-32-03-020-011

(5) Disconnect the water inlet hose [3] from the rear of the galley.

NOTE: Use a cup or container to collect excess water from the water inlet hose [3].

SUBTASK 25-32-03-910-001

(6) Remove the steam oven [1] from the galley with the handle.

————— **END OF TASK** —————

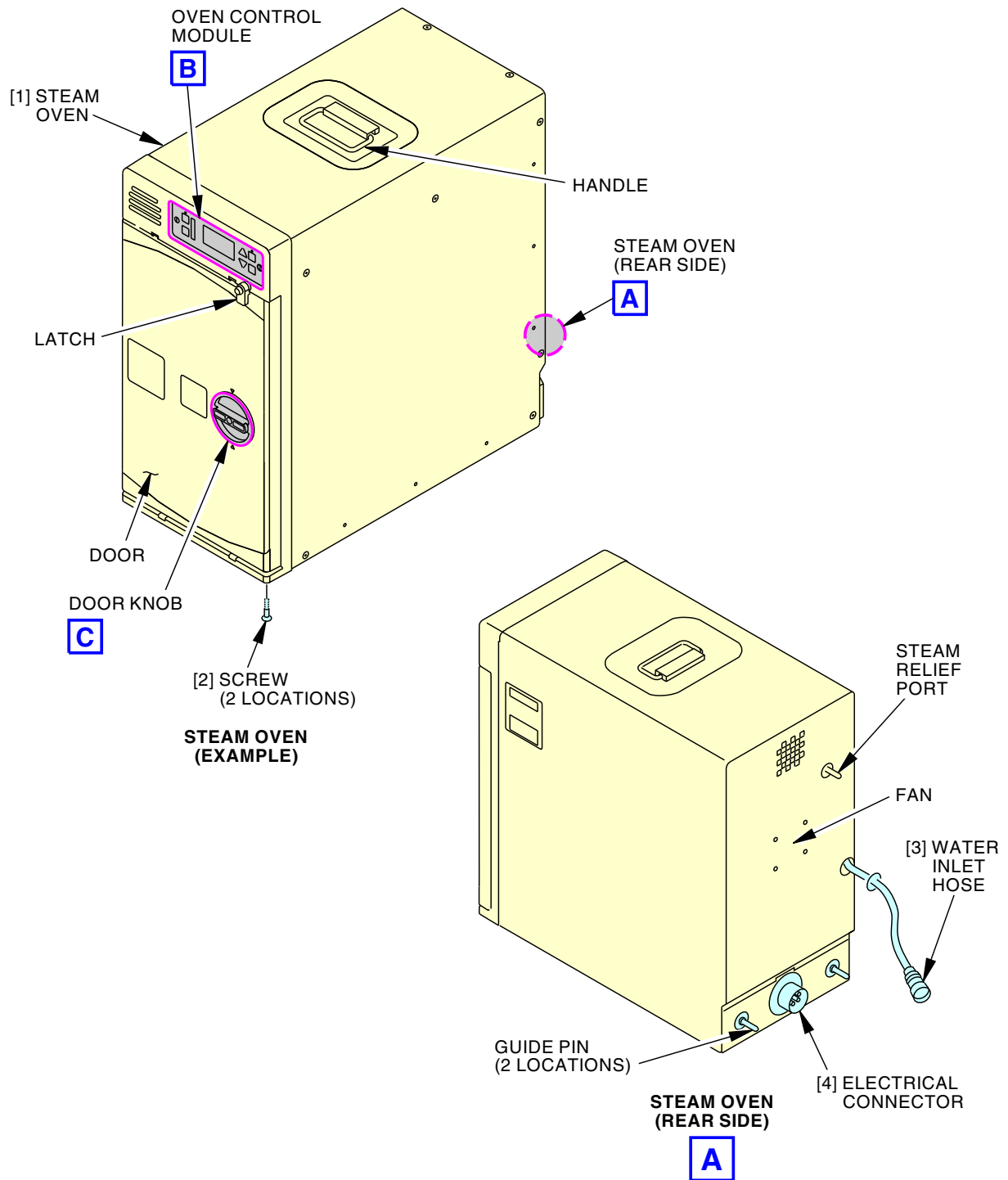
EFFECTIVITY
SIA ALL

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Galley Steam Oven (3000/3075 Series) Installation
Figure 401/25-32-03-990-803 (Sheet 1 of 2)

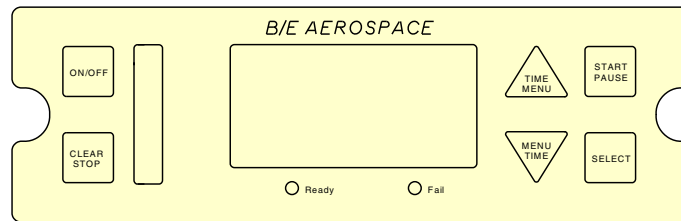
EFFECTIVITY
SIA ALL

25-32-03

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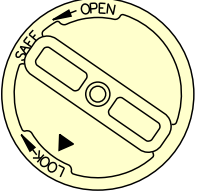
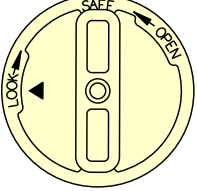
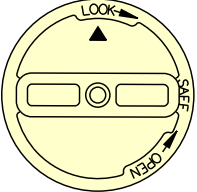
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OVEN CONTROL MODULE

B

DOOR KNOB	ACTION
	OPEN POSITION TURN AND HOLD (SPRING LOADED) THE DOOR KNOB IN OPEN POSITION TO OPEN THE DOOR. LOAD/UNLOAD OVEN CONTENTS.
	SAFE POSITION IN THE SAFE POSITION THE DOOR IS MECHANICALLY LOCKED, BUT NOT READY FOR OPERATION. IF PRESENT, THE PRESSURE WILL BE RELEASED FROM THE OVEN.
	LOCK POSITION TURN DOOR KNOB FROM SAFE POSITION TO LOCK POSITION. THE DOOR KNOB HAS TO BE IN LOCK POSITION DURING OPERATION! IN CASE THE DOOR SENSOR IS ENABLED IN THE MAINTENANCE MENU OF THE OCM, THE SENSOR WILL NOW BE ACTIVATED.
ATTENTION: DOOR MUST BE CLOSED AND LATCHED FOR TAXI, TAKE OFF, TURBULENCE AND LANDING.	

DOOR KNOB

C

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Galley Steam Oven (3000/3075 Series) Installation Figure 401/25-32-03-990-803 (Sheet 2 of 2)

EFFECTIVITY
SIA ALL

25-32-03

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TASK 25-32-03-400-803

3. Steam Oven Installation (BE Aerospace)

(Figure 401)

A. References

Reference	Title
25-32-03-710-801	Galley Steam Oven - Operational Test (P/B 501)
38-42-00-800-802	Potable Water System - Activation (P/B 201)

B. Tools/Equipment

Reference	Description
STD-1012	Wrench - Torque, 0 to 100 in-lbs (0 to 11.3 Nm)

C. Galley Steam Oven Installation

SUBTASK 25-32-03-910-002

- (1) Hold the steam oven [1] with the handle and put it in position on the galley shelf to give access to the rear.

SUBTASK 25-32-03-420-014

- (2) Connect the galley electrical cable to the electrical connector [4] on the rear of the steam oven [1].

SUBTASK 25-32-03-420-015

- (3) Connect the water inlet hose [3] to the rear of the galley.
 - (a) Tighten the hose connection two turns.

NOTE: Use torque wrench, STD-1012 or equivalent.

SUBTASK 25-32-03-420-016

- (4) Make sure that the guide pins on the steam oven [1] are aligned with the holes in the back of the galley.

SUBTASK 25-32-03-410-003

- (5) Carefully move the steam oven [1] back into its position in the galley.

SUBTASK 25-32-03-420-017

- (6) Install the two screws [2] that hold the steam oven [1] to the galley shelf.

NOTE: The two holes in the galley shelf must align with the attachment points, mounted on the bottom front of the steam oven [1].

SUBTASK 25-32-03-420-030

- (7) If applicable insert the tray and rack into the oven.

D. Put the Airplane Back to Its Usual Condition

SUBTASK 25-32-03-860-007

- (1) Remove the safety tags and close the applicable circuit breakers for the steam oven on the galley control panel.

SUBTASK 25-32-03-710-004

- (2) Activate the potable water system (TASK 38-42-00-800-802).

SUBTASK 25-32-03-710-005

- (3) Do the steam oven operational test (TASK 25-32-03-710-801).

————— END OF TASK —————

EFFECTIVITY
SIA ALL

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25-32-03

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SIA GALLEY OVEN - ADJUSTMENT/TEST

SIA 1. General

SIA A. This procedure has this task:

SIA (1) Galley Steam Oven - Operational Test

SIA **TASK 25-32-03-710-801**

SIA 2. Galley Steam Oven - Operational Test

SIA (Figure 501)

SIA A. **Prepare for the Operational Test**

SIA SUBTASK 25-32-03-710-006

SIA (1) Turn the door knob to the LOCK position.

SIA B. **B/E Aerospace 3000/3075 Series Steam Oven - Operational Test**

SIA SUBTASK 25-32-03-710-007

SIA (1) Turn on the primary power to the oven unit.

SIA (a) On the Oven Control Module (OCM), make sure that the green Ready light flashes.

SIA NOTE: The oven will do a power-up test when the power comes on.

SIA (b) When the power-up test is complete, make sure that the green ON/OFF light is flashing.

SIA NOTE: The oven unit is now energized to the OFF mode.

SIA SUBTASK 25-32-03-710-008

SIA (2) Push the ON/OFF push-button.

SIA NOTE: The OCM starts a self-test.

SIA (a) Make sure that the OCM display comes on.

SIA (b) On the OCM, make sure that the green ON/OFF light flashes.

SIA (c) After the self-test, the oven is energized in the stand-by mode and the back light on the OCM display comes on.

SIA SUBTASK 25-32-03-710-009

SIA (3) Push the TIME MENU up-arrow push-button.

SIA (a) Make sure that the display shows the standard programs menu.

SIA SUBTASK 25-32-03-710-010

SIA (4) Push the SELECT push-button to select the standard Medium (Steam) program.

SIA SUBTASK 25-32-03-710-011

SIA (5) Push the MENU TIME down-arrow push-button.

SIA (a) Change the program time to 6 minutes.

SIA SUBTASK 25-32-03-710-012

SIA (6) Open the oven door and push the START/PAUSE push-button to start the cooking program.

SIA (a) Make sure that START/PAUSE light come on.

SIA (b) Make sure that the OCM display shows Close the Door message.

SIA SUBTASK 25-32-03-710-013

SIA (7) Close the door and turn the door knob to the LOCK position.

SIA (a) Make sure that the OCM display no longer shows Close the Door message.

SIA NOTE: This will start the selected program cycle.

EFFECTIVITY
SIA ALL

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- SIA |
- (b) Make sure that no error indications or error messages are seen on the OCM display.
- SIA |
- (c) When the test cycle is completed, make sure that the Ready light flashes and the OCM beeps five times in sequence.
- SIA |
- NOTE: Tones 1, 3, and 5 are quieter than tones 2 and 4.
- SIA |
- 1) The OCM display shows the Program Ready message.

SIA

SUBTASK 25-32-03-710-014

SIA

(8) Push the CLEAR/STOP push-button to clear the Program Ready message.

SIA

SUBTASK 25-32-03-710-015

SIA

(9) Push the ON/OFF push-button to stop the unit.

SIA |

(a) Make sure that the OCM display backlight goes off.

————— END OF TASK —————

EFFECTIVITY

SIA ALL

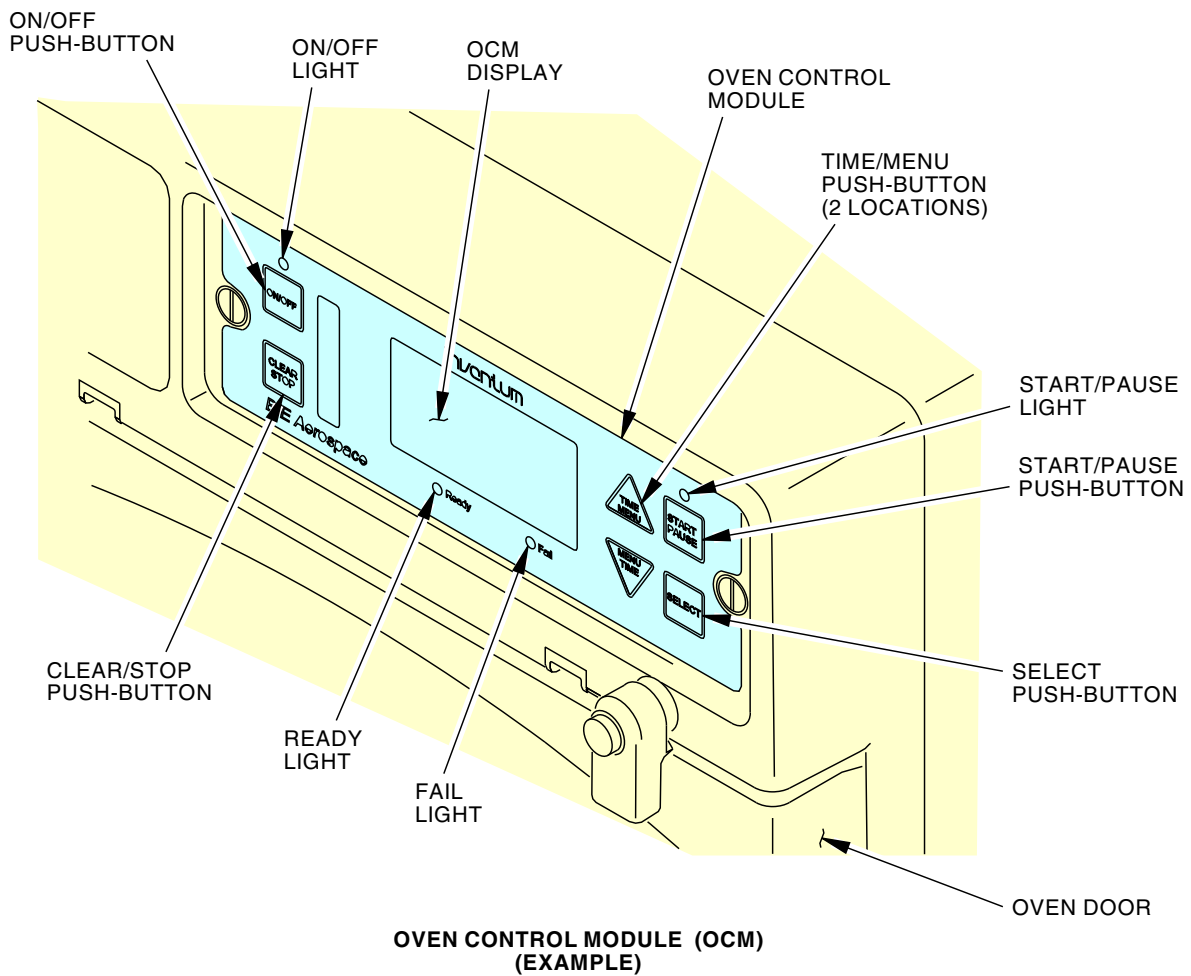
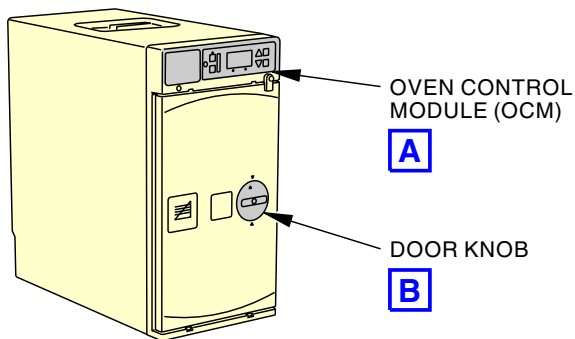
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**737-7/8/8200/9/10
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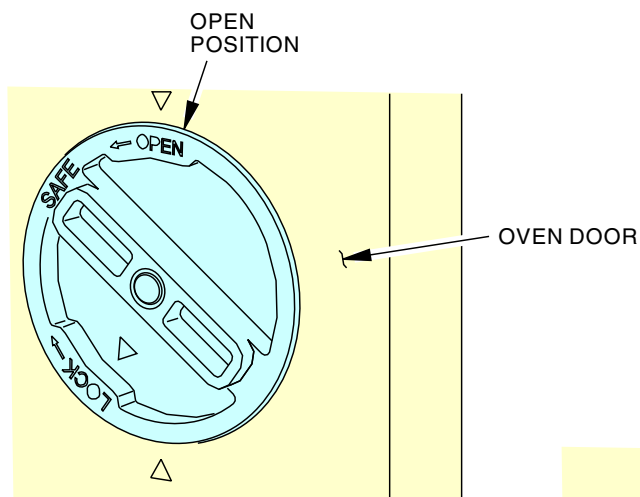
**Steam Oven (3000/3075 Series) Operational Test
Figure 501/25-32-03-990-804 (Sheet 1 of 2)**

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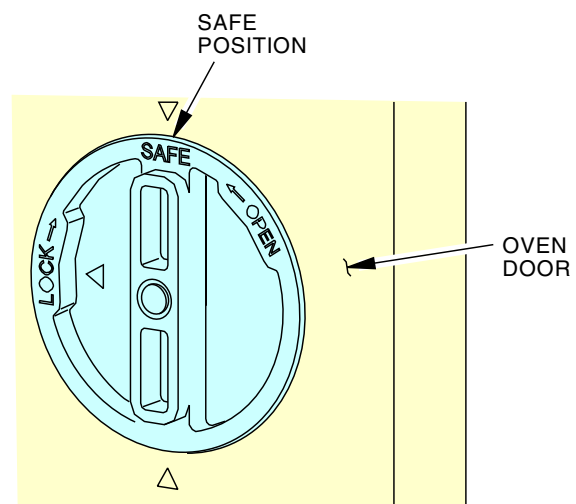
EFFECTIVITY
SIA ALL

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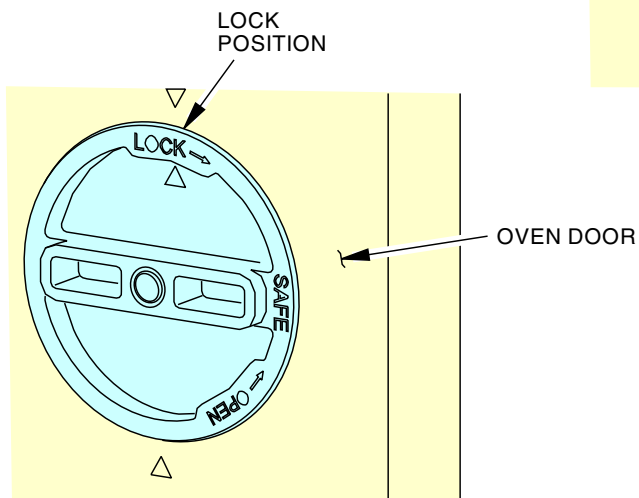
DOOR KNOB
(OPEN POSITION)
(EXAMPLE)

B



DOOR KNOB
(SAFE POSITION)
(EXAMPLE)

B



DOOR KNOB
(LOCK POSITION)
(EXAMPLE)

B

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SIA
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Steam Oven (3000/3075 Series) Operational Test
Figure 501/25-32-03-990-804 (Sheet 2 of 2)

EFFECTIVITY
SIA ALL

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AIRCRAFT MAINTENANCE MANUAL

ESPRESSO MAKER - REMOVAL/INSTALLATION

SIA

SIA 1. General

SIA A. This procedure has these tasks:

SIA (1) Espresso Maker Removal

SIA (2) Espresso Maker Installation.

SIA B. This procedure is for the B/E Aerospace espresso maker.

SIA (1) P/N 4671-0000-XX.

SIA **TASK 25-32-10-000-801**

SIA 2. Espresso Maker Removal

SIA (Figure 401)

SIA A. **Prepare for the Removal**

SIA SUBTASK 25-32-10-860-001

SIA (1) Open the applicable circuit breaker for the espresso maker [1] on the galley control panel and attach safety tags.

SIA SUBTASK 25-32-10-710-001

SIA (2) Put the galley water supply to the CLOSE position.

SIA SUBTASK 25-32-10-710-003

SIA (3) Lift the brew handle.

SIA



WARNING

THE WATER CAN BE HOT. IT CAN CAUSE INJURIES.

SIA

SIA

SIA



WARNING

DO NOT TOUCH HOT PARTS WITH YOUR BARE HANDS. MAKE SURE YOU USE PROTECTIVE GLOVES. THIS WILL HELP PREVENT INJURY TO PERSONS.

SIA (a) Remove the two espresso cups and brew cups from the espresso maker [1].

SIA B. **Espresso Maker Removal**

SIA SUBTASK 25-32-10-710-005

SIA (1) Turn the two lock down indexers to the unlock position.

SIA SUBTASK 25-32-10-020-001

SIA (2) Remove the espresso maker [1].

SIA (a) Move the espresso maker [1] off the rail assembly.

SIA

———— **END OF TASK** ————

EFFECTIVITY
SIA ALL

25-32-10

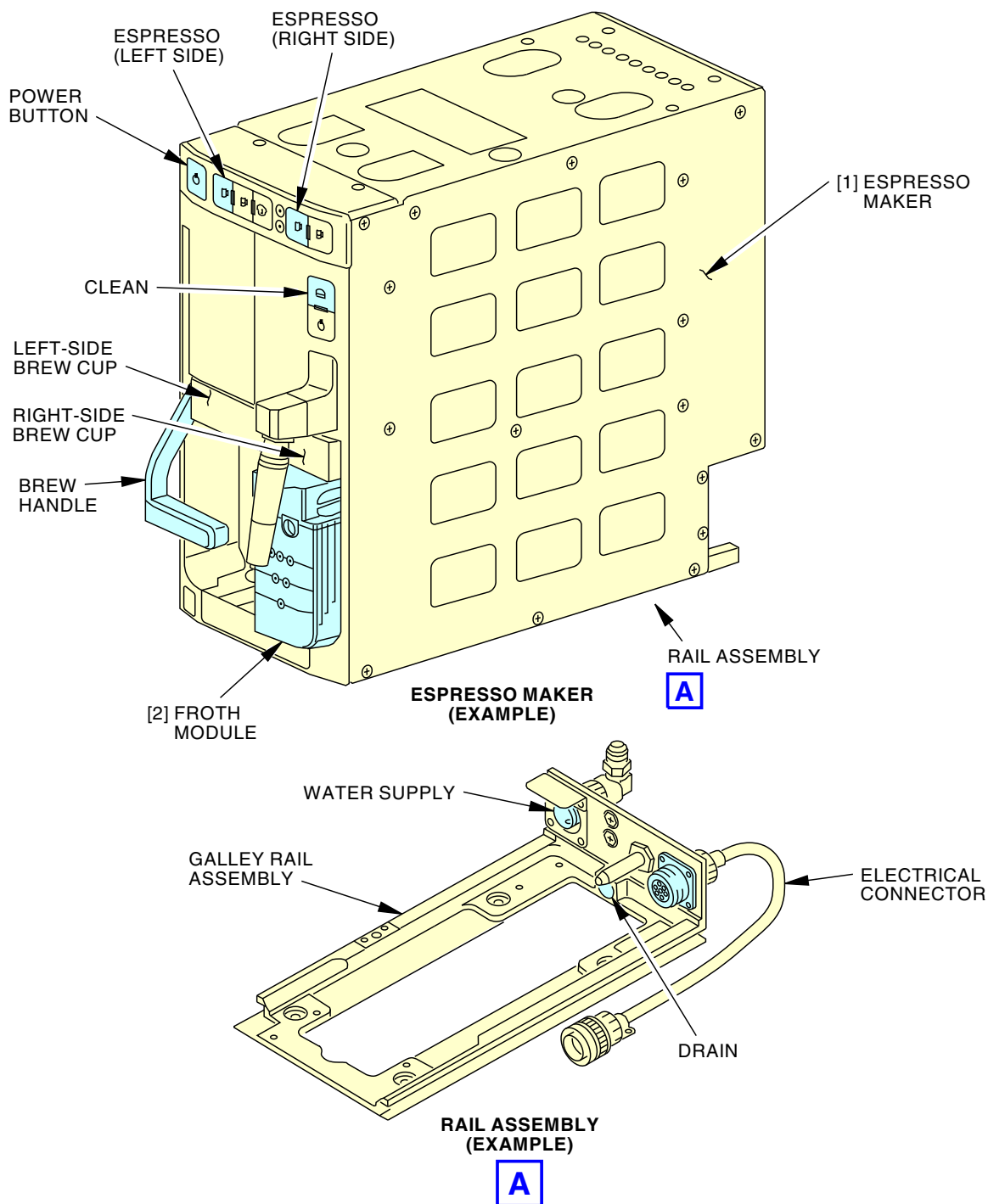
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SIA
SIA

Espresso Maker (Essence Series) Installation
Figure 401/25-32-10-990-803

EFFECTIVITY
SIA ALL

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AIRCRAFT MAINTENANCE MANUAL

SIA TASK 25-32-10-400-801

SIA 3. Espresso Maker Installation

SIA (Figure 401)

SIA A. References

Reference	Title
25-32-10-710-801	Espresso Maker - Operational Test (P/B 501)
38-42-00-800-802	Potable Water System - Activation (P/B 201)

SIA B. Prepare for the Installation

SIA SUBTASK 25-32-10-420-001

SIA (1) Put the espresso maker [1] on the rail assembly.

SIA SUBTASK 25-32-10-420-002

SIA (2) Push the espresso maker [1] into the galley on the rail assembly.

SIA NOTE: The electrical connector, water connector, spigot guide, and drip tray pipe are
SIA automatically connected.

SIA SUBTASK 25-32-10-410-001

SIA (3) Turn the two lock down indexers to the locked position.

SIA C. Espresso Maker Installation Test

SIA SUBTASK 25-32-10-410-003

SIA (1) Put the espresso cup and brew cup in the espresso maker [1].

SIA SUBTASK 25-32-10-860-002

SIA (2) Remove the safety tags and close the applicable circuit breakers for the espresso maker [1] on
SIA the galley control panel.

SIA SUBTASK 25-32-10-710-006

SIA (3) Activate the potable water system (TASK 38-42-00-800-802).

SIA SUBTASK 25-32-10-710-007

SIA (4) Do the espresso maker operational test (TASK 25-32-10-710-801).

SIA ———— END OF TASK ————

EFFECTIVITY
SIA ALL

25-32-10

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ESPRESSO MAKER - ADJUSTMENT/TEST

SIA

SIA 1. General

SIA A. This procedure has this task:

SIA (1) Espresso Maker - Operational Test

SIA B. This task applies to this type of B/E Aerospace espresso maker:

SIA (1) Essence series espresso makers.

SIA TASK 25-32-10-710-801

SIA 2. Espresso Maker - Operational Test

SIA A. **General**

SIA (1) This task is for an operational test of the B/E Aerospace espresso maker.

SIA B. **Location Zones**

SIA **Zone Area**

SIA 200 Upper Half of Fuselage

SIA C. **Prepare for the Operational Test**

SIA SUBTASK 25-32-10-710-008

SIA (1) Turn the water supply to the galley on.

SIA (a) Make sure that there are no water leaks from the espresso machine.

SIA SUBTASK 25-32-10-710-009

SIA (2) Make sure that the galley has electrical power.

SIA (a) If necessary, turn the galley power ON.

SIA (b) Close the applicable circuit breakers for the galley equipment.

SIA D. **Espresso/Ristretto Brew Operational Test**

SIA SUBTASK 25-32-10-710-010

SIA (1) Push the power button.

SIA (a) Make sure that the power button comes on green.

SIA NOTE: The color of the power button indicates one of these conditions:

SIA • Blue: Connected to the airplane

SIA • Green: Power ON

SIA • Amber: Fault Indication.

SIA (b) Wait 2 minutes for the unit to prime and warm up.

SIA SUBTASK 25-32-10-410-004

SIA (2) Install an Espresso pod(s) as follows:

SIA (a) Lift the brew handle.

SIA (b) Put an Espresso pod in the left-side brew cup, the right-side brew cup, or the two brew cups at the same time.

SIA (c) Install the brew cup(s) in the Espresso maker.

SIA SUBTASK 25-32-10-420-003

SIA (3) Put the espresso cup(s) on the platen found below the brew cup(s).

EFFECTIVITY
SIA ALL

25-32-10

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- SIA SUBTASK 25-32-10-710-011
- SIA (4) Lower the brew handle.
- SIA SUBTASK 25-32-10-710-012
- SIA (5) Push the Espresso or Ristretto button located above the affected espresso cup for left-side brew, right-side brew, or both sides.
- SIA NOTE: A light will come on when you push the button.
- SIA SUBTASK 25-32-10-710-013
- SIA (6) When the brew cycle is complete, lift the brew handle.
- SIA (a) Remove the brew cup(s) and discard the unwanted espresso pod(s).
- SIA SUBTASK 25-32-10-410-005
- SIA (7) Install the brew cup(s) in the Espresso maker.
- SIA SUBTASK 25-32-10-710-014
- SIA (8) Lower the brew handle down to the locked position.
- SIA (a) Make sure that the brew cup(s) are correctly installed.
- SIA SUBTASK 25-32-10-710-015
- SIA (9) Push the power button.
- SIA (a) Make sure that the power button comes on blue.
- SIA **E. Cappuccino Operational Test**
- SIA SUBTASK 25-32-10-710-016
- SIA (1) Push the power button.
- SIA (a) Make sure that the power button comes on green.
- SIA NOTE: The color of the power button indicates one of these conditions:
- SIA • Blue: Connected to the airplane
 - SIA • Green: Power ON
 - SIA • Amber: Fault Indication.
- SIA (b) Wait 2 minutes for the unit to prime and warm up.
- SIA SUBTASK 25-32-10-710-017
- SIA (2) Add milk to the froth module as follows:
- SIA (a) Remove the froth module from the espresso machine.
- SIA (b) Fill the froth module with milk.
- SIA (c) Install the froth module in the espresso machine.
- SIA 1) Make sure that the froth module latch engages.
- SIA SUBTASK 25-32-10-710-018
- SIA (3) Add an espresso pod as follows:
- SIA (a) Lift the brew handle.
- SIA (b) Remove the left-side brew cup.
- SIA (c) Install the espresso pod in the left-side brew cup.
- SIA (d) Install the left-side brew cup.
- SIA SUBTASK 25-32-10-710-019
- SIA (4) Put a cappuccino cup on the left-side platen.

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- SIA SUBTASK 25-32-10-710-020
- SIA (5) Lower the brew handle.
- SIA SUBTASK 25-32-10-710-021
- SIA (6) Push the CAPPUCCINO button.
- SIA NOTE: A light will come on when you push the button.
- SIA SUBTASK 25-32-10-710-022
- SIA (7) When the brew cycle is complete, lift the brew handle.
- SIA (a) Remove the brew cup and discard the unwanted espresso pod.
- SIA SUBTASK 25-32-10-710-023
- SIA (8) Install the left-side brew cup in the espresso machine.
- SIA SUBTASK 25-32-10-710-024
- SIA (9) Lower the brew handle to the locked position.
- SIA (a) Make sure that the brew cup is installed correctly.

F. Manual Steam Operational Test

- SIA SUBTASK 25-32-10-710-025
- SIA (1) Push the power button.
- SIA (a) Make sure that the power button comes on green.
- SIA NOTE: The color of the power button indicates one of these conditions:
- SIA • Blue: Connected to the airplane
- SIA • Green: Power ON
- SIA • Amber: Fault Indication.
- SIA (b) Wait 2 minutes for the unit to prime and warm up.
- SIA SUBTASK 25-32-10-710-026
- SIA (2) Fill a cappuccino cup one-third full with milk.
- SIA SUBTASK 25-32-10-710-027
- SIA (3) Put the cappuccino cup in the froth wand.
- SIA SUBTASK 25-32-10-710-028
- SIA (4) Push and release the steam button.
- SIA (a) Make sure that steam release for a 60 second interval.
- SIA SUBTASK 25-32-10-710-029
- SIA (5) Push and hold the steam button.
- SIA (a) Make sure that the steam releases while you hold the steam button.
- SIA (b) Release the steam button.
- SIA SUBTASK 25-32-10-710-030
- SIA (6) Push the power button.
- SIA (a) Make sure that the power button comes on blue.

————— **END OF TASK** —————

EFFECTIVITY
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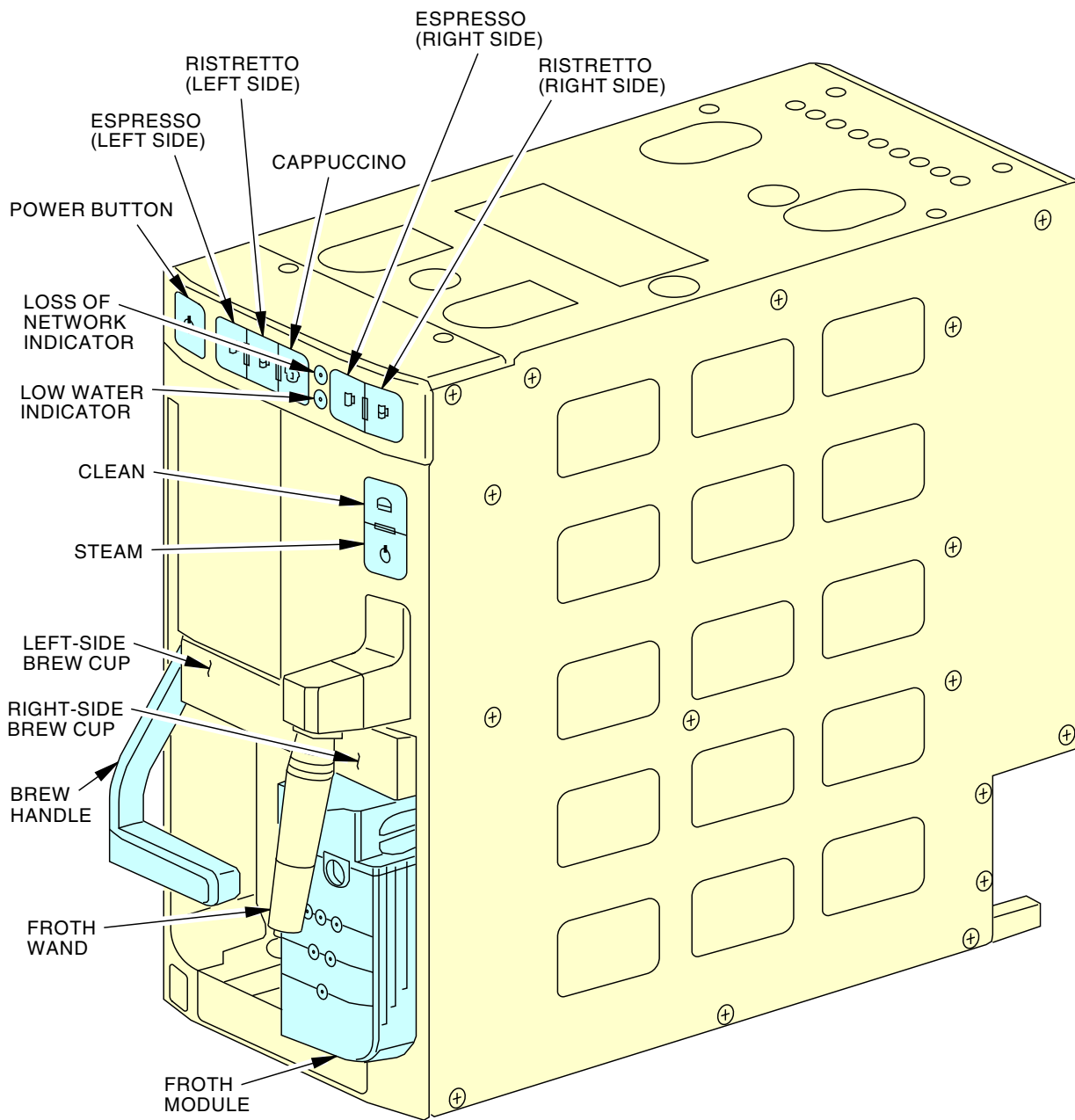
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**ESPRESSO MAKER
(EXAMPLE)**

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Espresso Maker (Essence Series) - Operational Test
Figure 501/25-32-10-990-804

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AIRCRAFT MAINTENANCE MANUAL

GALLEY WATER HEATER - REMOVAL/INSTALLATION

SIA

SIA 1. General

SIA A. This procedure has these tasks:

SIA (1) Galley Water Heater Removal

SIA (2) Galley Water Heater Installation.

SIA B. This procedure is for the B/E Aerospace DR4180 series water heater:

SIA (1) P/N 4360004-XX-XX-XX.

SIA **TASK 25-32-21-000-801**

SIA 2. Galley Water Heater Removal

SIA (Figure 401)

SIA A. **General**

SIA (1) This task includes the steps to remove the water heater.

SIA B. **Prepare for the Removal**

SIA SUBTASK 25-32-21-780-001

SIA (1) Bleed the water pressure from the water lines in the water heater [1], as follows:

SIA (a) Turn off the galley water supply.

SIA (b) On the water heater [1], push the ON/OFF push-button to the ON position.

SIA 1) The ON/OFF light comes on.

SIA
SIA
SIA



WARNING

KEEP YOUR HANDS AWAY FROM THE WATER. DO NOT LET THE WATER SPLASH. THE HOT WATER IN THE BOILER CAN CAUSE INJURIES.

SIA (c) Push the water faucet handle down until the water stops.

SIA NOTE: Use a cup or container to collect the water.

SIA (d) Push the ON/OFF push-button to the OFF position.

SIA 1) The ON/OFF light flashes slowly.

SIA SUBTASK 25-32-21-860-001

SIA (2) Open the applicable circuit breaker for the water heater [1] on the galley control panel and attach safety tags.

SIA C. **Galley Water Heater Removal**

SIA SUBTASK 25-32-21-020-001

SIA (1) Remove the two screws [2] that hold the water heater [1] to the galley shelf.

SIA SUBTASK 25-32-21-010-001

SIA (2) Move the water heater [1] forward on the galley shelf to get access to the rear.

SIA SUBTASK 25-32-21-020-002

SIA (3) Disconnect the water supply from the galley.

SIA SUBTASK 25-32-21-020-003

SIA (4) Disconnect the cable from the electrical connector on the water heater [1].

SIA SUBTASK 25-32-21-680-001

SIA (5) Drain water from the water heater [1] as follows:

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- SIA (a) Turn the drain outlet counter-clockwise to drain the water from the water heater [1].
- SIA (b) Hold down the water faucet handle while the water drains.
- SIA (c) Use a cup or container to collect excess water.
- SIA (d) When the water stops, turn the drain outlet clockwise to close.

SIA SUBTASK 25-32-21-020-004

- SIA (6) Remove the water heater [1] from the galley.
- SIA (a) Use the carry handle to remove the water heater.
- SIA

———— **END OF TASK** ————

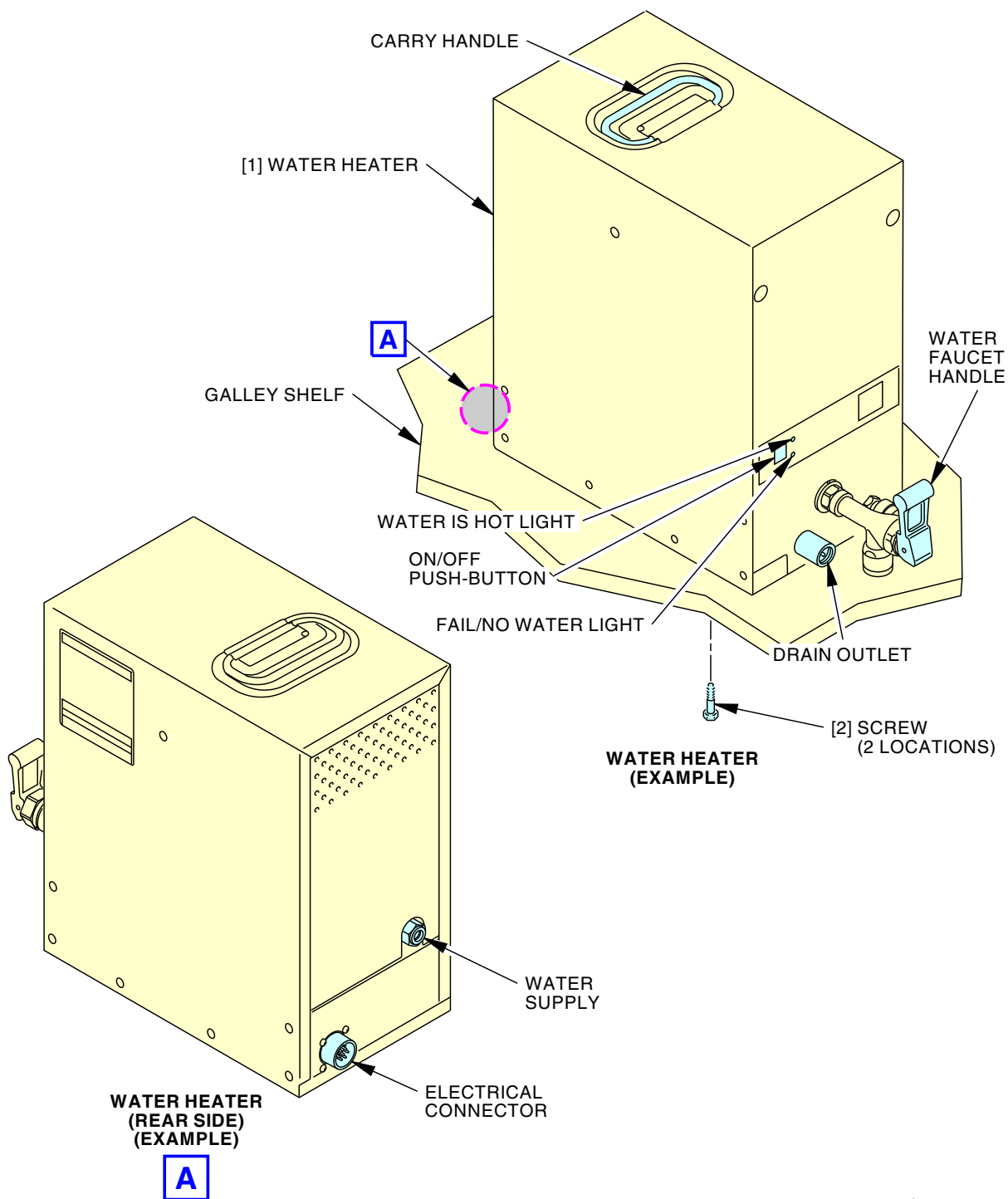
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Galley Water Heater (DR4180 Series) Installation
Figure 401/25-32-21-990-801

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TASK 25-32-21-400-801

3. Galley Water Heater Installation

(Figure 401)

A. General

- (1) This task includes the steps to install the galley water heater.

B. References

Reference	Title
25-32-21-710-801	Galley Water Heater - Operational Test (P/B 501)
38-42-00-800-802	Potable Water System - Activation (P/B 201)

C. Galley Water Heater Installation

SUBTASK 25-32-21-410-001

- (1) Put the water heater [1] on the galley shelf.

SUBTASK 25-32-21-760-001

- (2) Connect the cable to the electrical connector on the rear of the water heater [1].

SUBTASK 25-32-21-420-001

- (3) Connect the water supply to the galley.

SUBTASK 25-32-21-420-002

- (4) Install the two screws [2] that hold the water heater [1] to the galley shelf.

NOTE: These screws [2] are near the front left and front right, under the galley shelf.

D. Galley Water Heater Installation Test

SUBTASK 25-32-21-860-002

- (1) Remove the safety tags and close the applicable circuit breakers for the water heater [1] on the galley control panel.

SUBTASK 25-32-21-780-002

- (2) Pressurize the potable water system (TASK 38-42-00-800-802).

SUBTASK 25-32-21-790-001

- (3) Bleed the air from the water lines in the water heater [1], as follows:

- (a) Turn on the galley water supply.
(b) On the water heater [1], push the ON/OFF push-button to the ON position.

NOTE: The ON/OFF light comes on.



WARNING

KEEP YOUR HANDS AWAY FROM THE WATER. DO NOT LET THE WATER SPLASH. THE HOT WATER IN THE BOILER CAN CAUSE INJURIES.

- (c) Push the water faucet handle down until water comes out.

NOTE: This removes the air from the water heater [1].

- 1) Use a cup or container to collect the water.

- (d) Push the ON/OFF push-button to the OFF position.

SUBTASK 25-32-21-710-001

- (4) Do the water heater operational test (TASK 25-32-21-710-801).

———— **END OF TASK** ————

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GALLEY WATER HEATER - ADJUSTMENT/TEST

SIA

1. General

SIA

A. This procedure has this task:

SIA

(1) Galley Water Heater - Operational Test.

SIA

B. This procedure is for the B/E Aerospace DR4180 series water heater:

SIA

(1) P/N 4360004-XX-XX-XX.

SIA

TASK 25-32-21-710-801

SIA

2. Galley Water Heater - Operational Test

SIA

A. Tools/Equipment

SIA

Reference

Description

SIA

STD-1430

Thermometer - Digital

SIA

B. Prepare for the Operational Test

SIA

SUBTASK 25-32-21-780-003

SIA

(1) Make sure that the water system is pressurized.

SIA

SUBTASK 25-32-21-860-003

SIA

(2) Make sure that the applicable circuit breaker for the water heater on the galley control panel is closed.

SIA

(a) Make sure that the ON/OFF light slowly flashes.

SIA

C. Water Heater Operational Test

SIA

SUBTASK 25-32-21-710-002

SIA

(1) On the water heater, push the ON/OFF switch to the ON position.

SIA

(a) After the self-test, make sure that the ON/OFF light comes on.

SIA

NOTE: When there is no water detected, the FAIL/NO WATER light comes on and the WATER IS HOT light goes off.

SIA

When there is water detected, the FAIL/NO WATER light goes off and the WATER IS HOT light comes on.

SIA

SIA

SUBTASK 25-32-21-710-003

SIA

(2) When the WATER IS HOT light comes on, push the spigot lever down until the light goes off.

SIA

(a) Use a container to hold the hot water.

SIA

SUBTASK 25-32-21-710-004

SIA

(3) When the WATER IS HOT light comes on, push the spigot lever down.

SIA

(a) Pour the hot water into a cup.

SIA

SUBTASK 25-32-21-710-005

SIA

(4) Wait 10 seconds and measure the water temperature with a digital thermometer, STD-1430.

SIA

(a) Make sure that the water temperature is $192.2 \pm 5.4^{\circ}\text{F}$ ($89 \pm 3^{\circ}\text{C}$).

SIA

SUBTASK 25-32-21-710-006

SIA

(5) Push the ON/OFF switch to the OFF position.

SIA

————— **END OF TASK** —————

SIA

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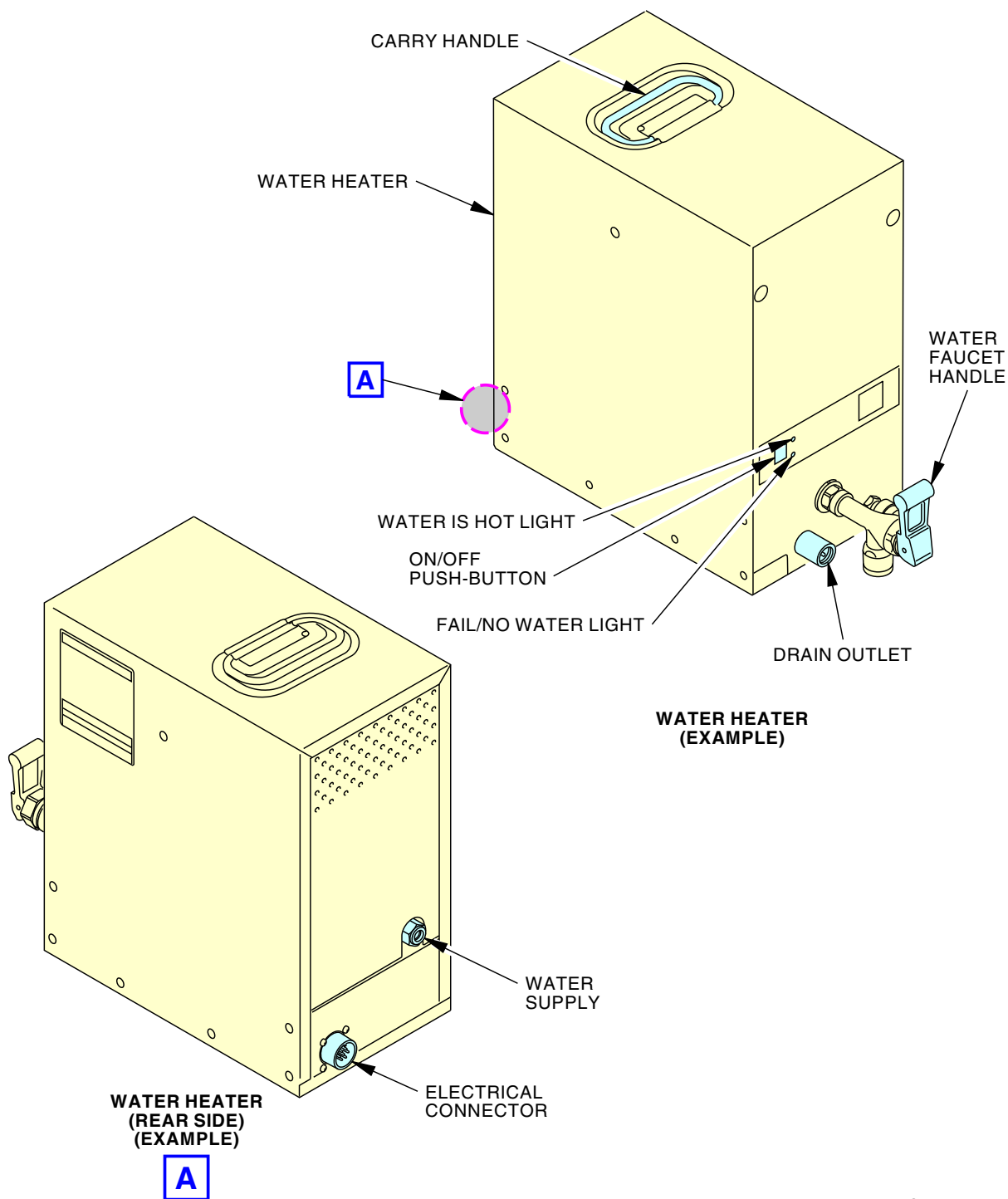
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Galley Water Heater Operational Test
Figure 501/25-32-21-990-802

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AIRCRAFT MAINTENANCE MANUAL
LAVATORIES - MAINTENANCE PRACTICES

1. General

- A. This procedure has these tasks:
- (1) Water heater power deactivation
 - (2) Water heater power activation
 - (3) Lavatory power deactivation
 - (4) Lavatory power activation.

TASK 25-40-00-040-801

2. Water Heater Power Deactivation

A. General

- (1) This task will deactivate the power to the water heaters for the lavatories.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage
230	Subzone - Passenger Compartment - Body Station 360.00 to 663.75
232	Forward Passenger Compartment - Forward Entry Door to STA 663.75 - Right
241	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Left
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

C. Procedure

SUBTASK 25-40-00-020-001

- (1) Open the circuit breakers for the applicable lavatories and install safety tags:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
F	13	C00104	LAVATORY WATER HEATER A
F	14	C01073	LAVATORY WATER HEATER D
F	15	C01096	LAVATORY WATER HEATER E

D. Water Heater Power - Tryout

NOTE: This tryout is to make sure that the power to the water heaters is in zero energy state.

SUBTASK 25-40-00-410-001

- (1) Turn on the faucet.
 - (a) Make sure that there is no hot water.

———— **END OF TASK** ————

TASK 25-40-00-440-801

3. Water Heater Power Activation

A. General

- (1) This task will activate the power to the water heaters for the lavatories.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

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(Continued)

Zone	Area
230	Subzone - Passenger Compartment - Body Station 360.00 to 663.75
232	Forward Passenger Compartment - Forward Entry Door to STA 663.75 - Right
241	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Left
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

C. Procedure

SUBTASK 25-40-00-410-002

- (1) Remove the safety tags and close these circuit breakers for the applicable lavatories:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
F	13	C00104	LAVATORY WATER HEATER A
F	14	C01073	LAVATORY WATER HEATER D
F	15	C01096	LAVATORY WATER HEATER E

SUBTASK 25-40-00-420-001

- (2) Turn on the faucet.
(a) Make sure that there is hot water.

————— END OF TASK —————

TASK 25-40-00-040-802

4. Lavatory Power Deactivation

A. General

- (1) This task will deactivate the power to the lavatories.

B. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
221	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Left
230	Subzone - Passenger Compartment - Body Station 360.00 to 663.75
231	Forward Passenger Compartment - Forward Entry Door to STA 663.75 - Left
232	Forward Passenger Compartment - Forward Entry Door to STA 663.75 - Right
241	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Left
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

C. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

D. Lavatory Power Deactivation

SUBTASK 25-40-00-020-002

- (1) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
C	8	C04072	PASS CABIN SIGNS FASTEN SEAT BELT R

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(Continued)

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN
D	19	C01423	VACUUM WASTE
E	12	C01125	LAVATORY SMOKE
E	14	C01648	LAVATORY MIRROR LIGHT
F	10	C00783	OXYGEN PASS LEFT
F	13	C00104	LAVATORY WATER HEATER A
F	14	C01073	LAVATORY WATER HEATER D
F	15	C01096	LAVATORY WATER HEATER E

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	6	C01583	ENTERTAINMENT PA SYS BAT
D	4	C00082	COMMUNICATIONS PA AMPL BAT

F/O Electrical System Panel, P6-2

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	21	C00560	INTERPHONE POWER F/O DC 2
C	22	C00561	INTERPHONE POWER F/O BAT
C	23	C00239	INTERPHONE POWER CAPT DC 2
C	24	C00240	INTERPHONE POWER CAPT BAT
D	21	C00084	INTPH AND WARN
D	22	C00086	AUDIO F/O
D	23	C00083	AUDIO CAPT
D	24	C00085	AUDIO OBS

SUBTASK 25-40-00-010-001

- (2) To get access to the P91 panel, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-40-00-040-001



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (3) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	9	C00138	WATER QTY IND
C	11	C01388	VACUUM WASTE CONT

This circuit breaker is inoperative and should remain open:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	11	C00413	BRT ENTRY LTS (INOP)

SUBTASK 25-40-00-410-004

- (4) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

E. Lavatory Power Tryout

NOTE: This tryout is to make sure that the power to the lavatories is in a zero energy state.

SUBTASK 25-40-00-210-001

- (1) Make sure that the mirror lights in the lavatories are off.

SUBTASK 25-40-00-210-002

- (2) Set the emergency light switch, at the P5 overhead panel, or aft attendant panel, to the ON mode.
- (a) Make sure that the emergency dome lights in the lavatories do not come on.

SUBTASK 25-40-00-210-003

- (3) Do these steps to make sure that the power to the water heaters is off:
- (a) Turn on the faucet.
- (b) Make sure that the water is not hot.

————— END OF TASK —————

TASK 25-40-00-440-802

5. Lavatory Power Activation

A. General

- (1) This task will activate the power to the lavatories.

B. Location Zones

<u>Zone</u>	<u>Area</u>
117	Electrical and Electronics Compartment - Left
221	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Left

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Zone	Area
230	Subzone - Passenger Compartment - Body Station 360.00 to 663.75
231	Forward Passenger Compartment - Forward Entry Door to STA 663.75 - Left
232	Forward Passenger Compartment - Forward Entry Door to STA 663.75 - Right
241	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Left
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

C. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

D. Lavatory Power Activation

SUBTASK 25-40-00-010-002

- (1) To get access to the P91 panel, open this access panel:

Number	Name/Location
117A	Electronic Equipment Access Door

SUBTASK 25-40-00-860-001



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (2) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 1, P91

Row	Col	Number	Name
C	9	C00138	WATER QTY IND
C	11	C01388	VACUUM WASTE CONT

This circuit breaker is inoperative and should remain open:

Power Distribution Panel Number 1, P91

Row	Col	Number	Name
E	11	C00413	BRT ENTRY LTS (INOP)

SUBTASK 25-40-00-410-003

- (3) Close this access panel:

Number	Name/Location
117A	Electronic Equipment Access Door

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SUBTASK 25-40-00-420-002

- (4) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
C	8	C04072	PASS CABIN SIGNS FASTEN SEAT BELT R
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN
D	19	C01423	VACUUM WASTE
E	12	C01125	LAVATORY SMOKE
E	14	C01648	LAVATORY MIRROR LIGHT
F	10	C00783	OXYGEN PASS LEFT
F	13	C00104	LAVATORY WATER HEATER A
F	14	C01073	LAVATORY WATER HEATER D
F	15	C01096	LAVATORY WATER HEATER E

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	6	C01583	ENTERTAINMENT PA SYS BAT
D	4	C00082	COMMUNICATIONS PA AMPL BAT

F/O Electrical System Panel, P6-2

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	21	C00560	INTERPHONE POWER F/O DC 2
C	22	C00561	INTERPHONE POWER F/O BAT
C	23	C00239	INTERPHONE POWER CAPT DC 2
C	24	C00240	INTERPHONE POWER CAPT BAT
D	21	C00084	INTPH AND WARN
D	22	C00086	AUDIO F/O
D	23	C00083	AUDIO CAPT
D	24	C00085	AUDIO OBS

SUBTASK 25-40-00-210-004

- (5) Make sure that the mirror lights in the lavatories are on.

SUBTASK 25-40-00-210-005

- (6) Set the emergency light switch, at the P5 overhead panel, or aft attendant panel, to the ON mode.

- (a) Make sure that the emergency dome lights in the lavatories come on.

SUBTASK 25-40-00-210-006

- (7) Set the emergency light switch, at the P5 overhead panel, or aft attendant panel, to the OFF mode.

SUBTASK 25-40-00-210-007

- (8) Do these steps to make sure that the power to the water heaters is on:

- (a) Turn on the faucet.
(b) Make sure that the water is hot.

————— END OF TASK —————

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LAVATORY SEALANT - REMOVAL/INSTALLATION

1. General

- A. This procedure has this task.
(1) Lavatory Sealant Installation

TASK 25-40-01-400-801

2. Lavatory Sealant - Installation

(Figure 401)

A. **References**

Reference	Title
51-22-00-160-801	Prepare For Sealing (P/B 201)
51-22-00-390-801	Non-Removable Faying (Mated) Surface Seal Application (P/B 201)
51-22-00-390-806	Fillet Seal Application (P/B 201)
51-22-00-390-808	Fastener Seal Application (P/B 201)

B. **Consumable Materials**

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 60
A00635	Adhesive - RTV 108 Translucent Silicone Rubber RTV Paste, One-part	BAC5010 Type 60 Class A Grade 2 / MIL-A-46106 Type 1
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 109
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796 Class III

C. **Sealant for Lavatories With Bi-Fold Doors Installation**

SUBTASK 25-40-01-400-001

- (1) Apply sealant to the threshold area.
- (a) Remove the bi-fold door [5].
 - (b) Remove the threshold [2] installed below the lavatory [1] door, if necessary.
 - (c) Clean the area where the sealant will be applied (TASK 51-22-00-160-801).
 - (d) Apply a bead of RTV 108 adhesive, A00635, to sealant [3] around the bi-fold door pivot hole [11] (TASK 51-22-00-390-801).
 - (e) Install the threshold [2].
 - (f) Remove the excess RTV 108 adhesive, A00635, from the bi-fold door pivot hole [11].
 - (g) Apply a fillet seal [4] around the interior edges of the threshold [2] with RTV 108 adhesive, A00635 (TASK 51-22-00-390-806).
 - (h) Install the bi-fold door [5].

D. **Sealant for Lavatories Without Bi-Fold Doors Installation**

SUBTASK 25-40-01-400-002

- (1) Apply sealant to the threshold area.
- (a) Remove the threshold [2] installed below the lavatory [1] door, if necessary.
 - (b) Clean the area where the sealant will be applied (TASK 51-22-00-160-801).

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- (c) Install the threshold [2].
- (d) Apply a fillet seal [4] around the interior edges of the threshold [2] with RTV 108 adhesive, A00635 (TASK 51-22-00-390-806).

SUBTASK 25-40-01-400-003

- (2) Apply sealant to the lavatory floor fittings [8], if necessary.
 - (a) Apply sealant [10] to the bolts [9] that are installed on the lavatory floor fittings [8] with compound, C00528 (TASK 51-22-00-390-808).
 - (b) Apply fay surface sealant [7] to the cover plates [6] with adhesive, A00027, adhesive, A00930, or RTV 108 adhesive, A00635 (TASK 51-22-00-390-801).
 - (c) Install the screws to attach the cover plates [6] to the lavatory floor fittings [8].

SUBTASK 25-40-01-400-004

- (3) Install the new floor sealant [3] between panels and floor and the wall adjacent to the airplane door.
 - (a) Clean the area where the sealant will be applied (TASK 51-22-00-160-801).
 - (b) Bond the floor seal with adhesive, A00027, or adhesive, A00930 (TASK 51-22-00-390-801).

NOTE: Seal on the wall panel seam must be continuous approximately 6 in. (152 mm) from the floor.

———— **END OF TASK** ————

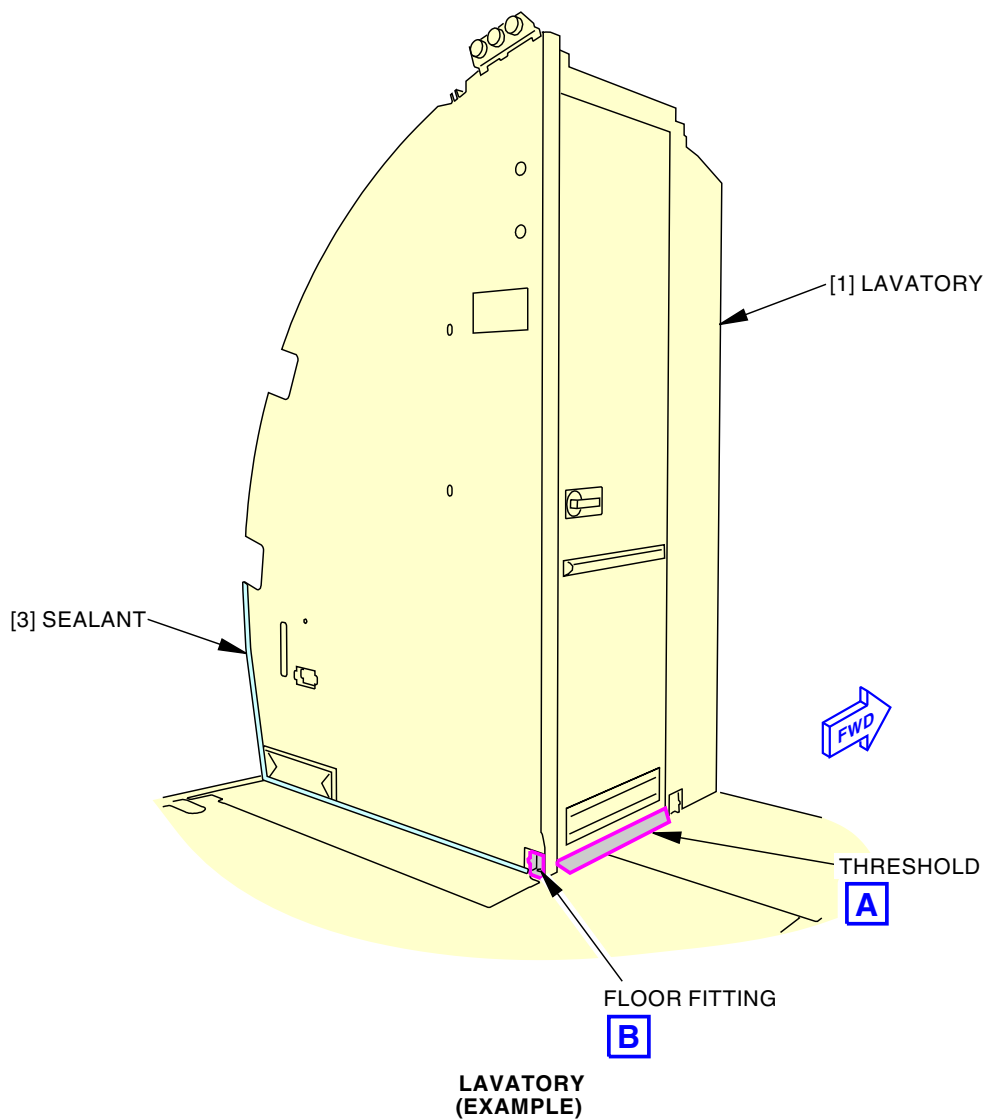
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Lavatory Sealant Installation
Figure 401/25-40-01-990-801 (Sheet 1 of 3)

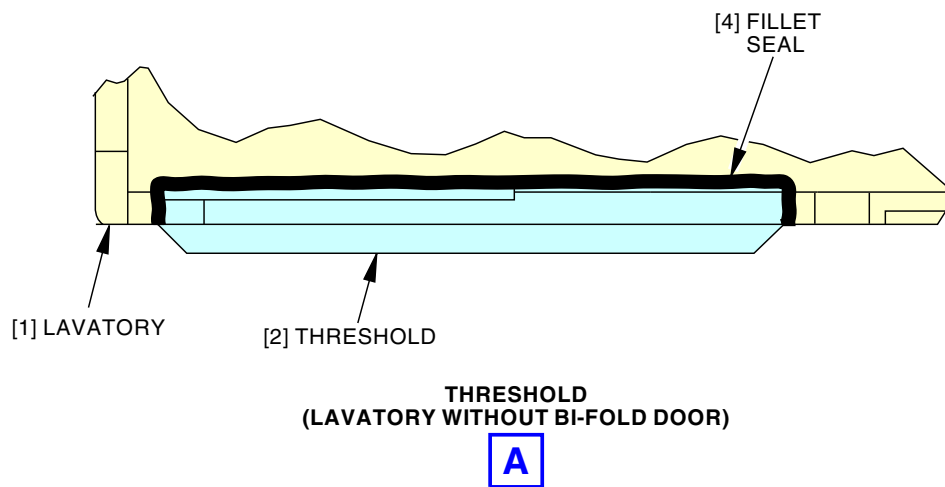
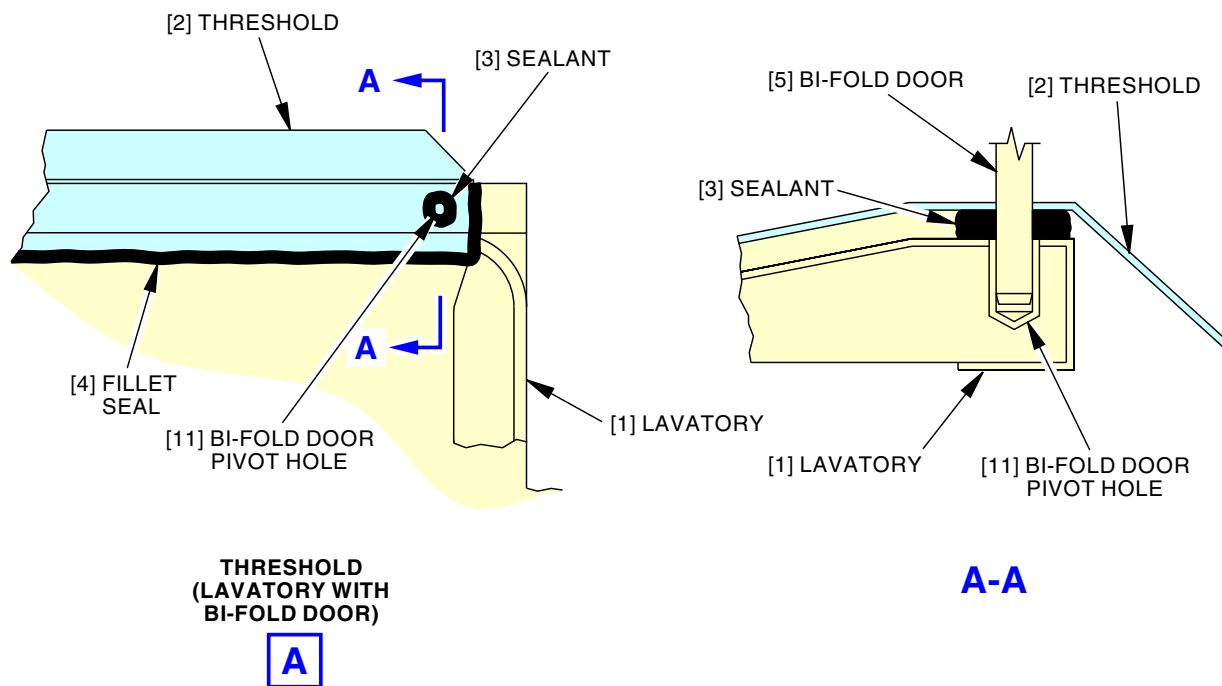
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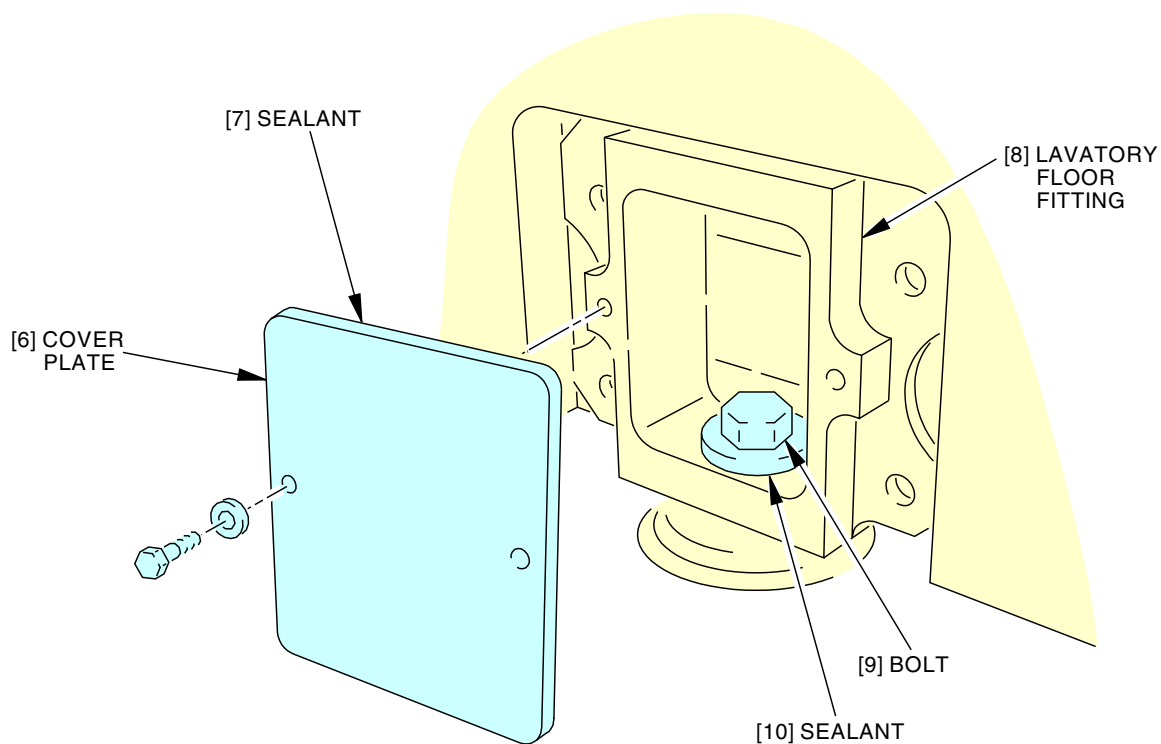
Lavatory Sealant Installation
Figure 401/25-40-01-990-801 (Sheet 2 of 3)

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FLOOR FITTING
(EXAMPLE)

B

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Lavatory Sealant Installation
Figure 401/25-40-01-990-801 (Sheet 3 of 3)

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LAVATORY WASTE COMPARTMENT - INSPECTION/CHECK

1. General

A. This procedure has this task:

- (1) An inspection of the lavatory waste compartment.

TASK 25-40-08-200-801

2. Lavatory Waste Compartment Inspection

(Figure 601)

NOTE: This procedure is a scheduled maintenance task.

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Outer Waste Compartment Door Inspection

SUBTASK 25-40-08-210-001

- (1) Do these steps to make sure that the outer waste compartment door closes tightly:
 - (a) Push the lower latch at the bottom of the door.
 - (b) Open the door to the fullest open position.
 - (c) Make sure that the door moves smoothly.
 - (d) Close the door.
 - (e) Make sure that the door closes tightly.

C. Waste Compartment Flap Inspection

SUBTASK 25-40-08-210-002

- (1) Do these steps to make sure that the waste compartment flap operates correctly:
 - (a) Push the waste compartment flap open.
 - (b) Release the waste compartment flap and make sure that it closes fully.
 - (c) Make sure that the waste compartment flap is not bent.
 - (d) The flap must close tightly to make sure that it can contain a fire.

D. Inner Waste Compartment Door Inspection

SUBTASK 25-40-08-210-003

- (1) Do these steps to make sure that the inner waste compartment door closes tightly:
 - (a) Open the two latches on the door.
 - (b) Open the door to the full open position.
 - (c) Make sure that the door moves smoothly.

NOTE: The inner waste compartment door includes a spring loaded hinge. The door will close if you do not hold it in the open position.
 - (d) Remove the waste container.
 - (e) Make sure that the container has no damage and comes out of the compartment without resistance.
 - (f) Install the waste container.
 - (g) Make sure that the container is in its correct position.

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- (h) Release the door.
- (i) Make sure that the door fully latches.

———— **END OF TASK** ————

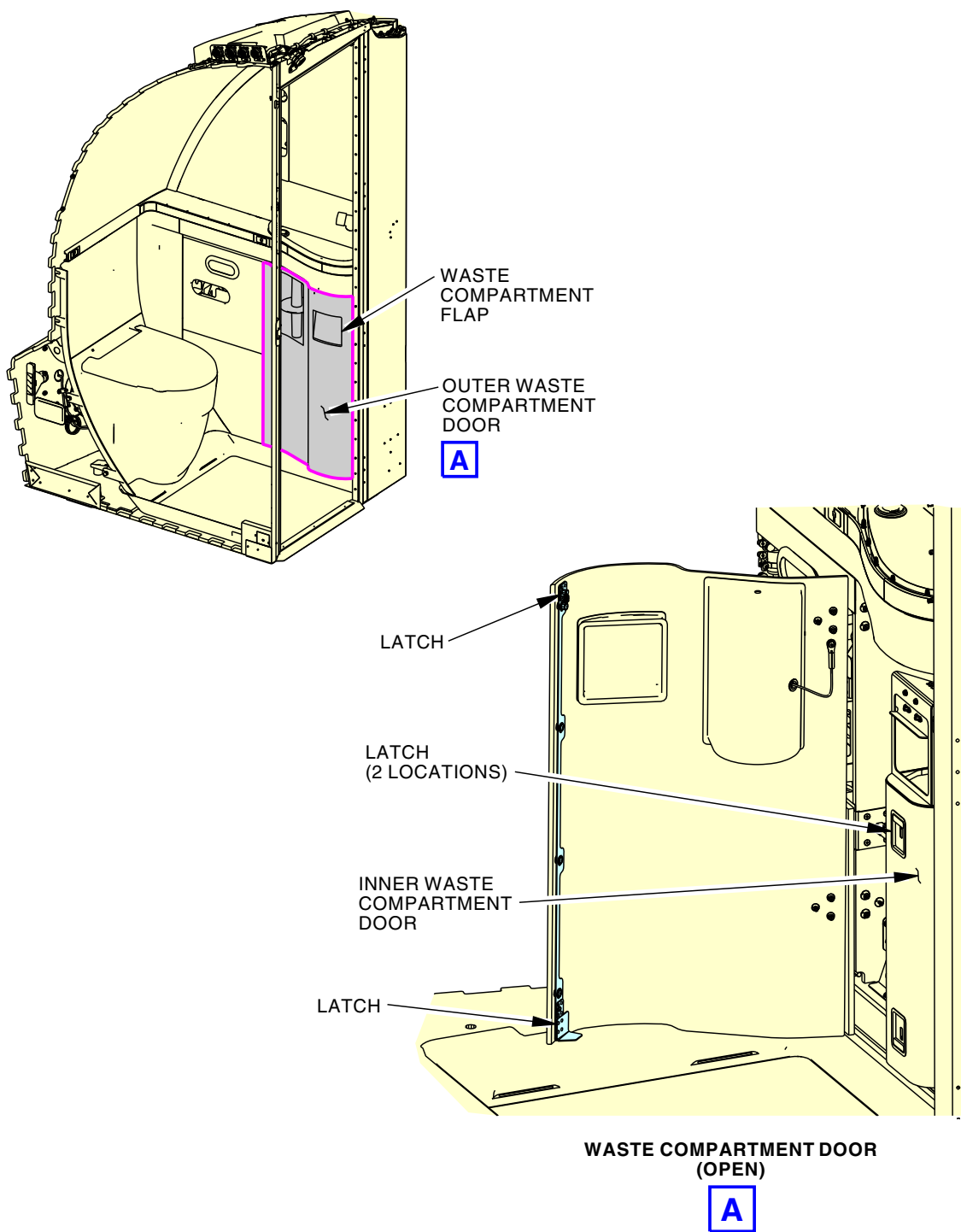
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Lavatory Waste Compartment Inspection
Figure 601/25-40-08-990-801

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MODULAR LAVATORY A - REMOVAL/INSTALLATION

1. **General**

A. This procedure has these tasks:

- (1) Lavatory A Removal.
- (2) Lavatory A Installation.

TASK 25-40-11-000-801

2. **Lavatory A Removal**

(Figure 401)

A. **General**

- (1) Be careful during the removal of the lavatory to prevent damage to the galley mat. The galley mat is a cover on the floor panels in the galley and lavatory area.

B. **References**

Reference	Title
23-42-01-000-801	Attendant Handset Removal (P/B 401)
23-42-01-000-802	Attendant Handset Cord Removal (P/B 401)
23-42-01-000-803	Attendant Handset Cradle Removal (P/B 401)
23-42-03-000-801	Cabin Attendant LCD Control Panel Removal (P/B 401)
25-11-21-000-801	Flight Compartment Forward Ceiling Panel Removal (P/B 201)
25-21-30-020-801	Forward Entry Door Doorway Header Panel Removal (P/B 401)
25-21-31-420-801	Forward Entry Doorway Sidewall Lining Panel - Removal (P/B 401)
25-21-71-000-801	Lowered Ceiling Removal (P/B 401)
25-23-13-000-801	Attendant/Lavatory Service Unit Removal (P/B 401)
25-25-12-000-801	Cabin Attendant Seat Removal (P/B 401)
26-14-01-000-801	Lavatory Smoke Detector Removal (P/B 401)
33-14-00-000-801	Dome Light - Removal (P/B 201)
33-51-01-960-802	Exit Sign - Light Assembly Replacement (P/B 201)
38-32-00-040-801	Toilet Deactivation (P/B 201)
38-32-01-000-802	Vacuum Toilet Assembly Removal (P/B 401)
38-42-00-800-801	Potable Water System - Deactivation (P/B 201)
52-51-01-000-801	Flight Compartment Door Removal (P/B 401)

C. **Location Zones**

Zone	Area
117	Electrical and Electronics Compartment - Left
221	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Left

D. **Access Panels**

Number	Name/Location
117A	Electronic Equipment Access Door

E. **Prepare for the Removal**

SUBTASK 25-40-11-040-001

- (1) Do this task: Toilet Deactivation, TASK 38-32-00-040-801.

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SUBTASK 25-40-11-860-001

- (2) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
C	8	C04072	PASS CABIN SIGNS FASTEN SEAT BELT R
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN
D	19	C01423	VACUUM WASTE
E	12	C01125	LAVATORY SMOKE
E	14	C01648	LAVATORY MIRROR LIGHT
F	10	C00783	OXYGEN PASS LEFT
F	13	C00104	LAVATORY WATER HEATER A

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	6	C01583	ENTERTAINMENT PA SYS BAT
D	4	C00082	COMMUNICATIONS PA AMPL BAT

F/O Electrical System Panel, P6-2

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	21	C00560	INTERPHONE POWER F/O DC 2
C	22	C00561	INTERPHONE POWER F/O BAT
C	23	C00239	INTERPHONE POWER CAPT DC 2
C	24	C00240	INTERPHONE POWER CAPT BAT
D	21	C00084	INTPH AND WARN
D	22	C00086	AUDIO F/O
D	23	C00083	AUDIO CAPT
D	24	C00085	AUDIO OBS

SUBTASK 25-40-11-010-019

- (3) To get access to the P91 panel, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-40-11-040-002



WARNING

WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (4) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	9	C00138	WATER QTY IND
C	11	C01388	VACUUM WASTE CONT

This circuit breaker is inoperative and should remain open:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	11	C00413	BRT ENTRY LTS (INOP)

SUBTASK 25-40-11-010-001

- (5) Do this task: Cabin Attendant LCD Control Panel Removal, TASK 23-42-03-000-801.

SUBTASK 25-40-11-010-002

- (6) If it is applicable, remove the attendant's handset.
- (a) Do this task: Attendant Handset Removal, TASK 23-42-01-000-801.
 - (b) Do this task: Attendant Handset Cord Removal, TASK 23-42-01-000-802.
 - (c) Do this task: Attendant Handset Cradle Removal, TASK 23-42-01-000-803.

SUBTASK 25-40-11-010-003

- (7) Do this task: Cabin Attendant Seat Removal, TASK 25-25-12-000-801.

SUBTASK 25-40-11-010-004

- (8) Do this task: Flight Compartment Door Removal, TASK 52-51-01-000-801.

SUBTASK 25-40-11-010-005

- (9) Do this task: Dome Light - Removal, TASK 33-14-00-000-801.

SUBTASK 25-40-11-010-006

- (10) Do this task: Flight Compartment Forward Ceiling Panel Removal, TASK 25-11-21-000-801.

SUBTASK 25-40-11-010-008

- (11) If it is applicable, remove the fire axe from the flight compartment.

SUBTASK 25-40-11-010-018

- (12) If it is necessary, remove the exit sign light assembly (TASK 33-51-01-960-802).

SUBTASK 25-40-11-010-009

- (13) Do this task: Attendant/Lavatory Service Unit Removal, TASK 25-23-13-000-801.

NOTE: The Lav Service Unit (Oxygen box) must be removed before the lavatory can be moved because of the overhead structural frame.

SUBTASK 25-40-11-010-010

- (14) Do this task: Lavatory Smoke Detector Removal, TASK 26-14-01-000-801.

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SUBTASK 25-40-11-010-011

- (15) Do this task: Lowered Ceiling Removal, TASK 25-21-71-000-801.

SUBTASK 25-40-11-010-012

- (16) Do this task: Forward Entry Door Doorway Header Panel Removal, TASK 25-21-30-020-801.

SUBTASK 25-40-11-010-013

- (17) Do this task: Forward Entry Doorway Sidewall Lining Panel - Removal, TASK 25-21-31-420-801.

SUBTASK 25-40-11-870-001

- (18) Do this task: Potable Water System - Deactivation, TASK 38-42-00-800-801.

SUBTASK 25-40-11-680-001

- (19) Drain the water from the applicable lavatory equipment.

SUBTASK 25-40-11-010-015

- (20) Do these steps to prepare the lavatory for the removal procedure:
- (a) Remove the necessary trim panels from the lavatory to complete the task.
 - (b) Remove the necessary access panels from the lavatory to complete the task.
 - (c) Remove the necessary hose grommets from the lavatory to complete the task.

F. Lavatory A Removal

SUBTASK 25-40-11-020-001

- (1) Disconnect the electrical connectors [2] above the lavatory [1].

SUBTASK 25-40-11-030-001

- (2) Disconnect the ground connection from the lavatory [1].
- (a) Remove the nut [3] and washer [4] from the ground stud [5] at the rear of the lavatory [1].
 - (b) Disconnect the ground strap [6] from the ground stud [5].

SUBTASK 25-40-11-020-002

- (3) Disconnect the gasper air supply at the connection at the rear of the lavatory [1].
- (a) Get access through the applicable access panel in the rear of the lavatory [1].
 - (b) Disconnect the gasper air connection [7] at the rear of the lavatory [1].

SUBTASK 25-40-11-020-003

- (4) Disconnect the water supply at the connection at the rear of the lavatory [1].
- (a) Get access through the applicable access panel in the rear of the lavatory [1].
 - (b) Disconnect the water supply connection [8] at the rear of the lavatory [1].

SUBTASK 25-40-11-020-004

- (5) Disconnect the drain line at the connection at the rear of the lavatory [1].
- (a) Get access through the applicable access panel in the rear of the lavatory [1].
 - (b) Loosen the clamp [9].
 - (c) Disconnect the drain line [10].

SUBTASK 25-40-11-020-005

- (6) Disconnect the door flexible duct [11].
- (a) Get access through the applicable access panel in the rear of the lavatory [1].
 - (b) Loosen the clamp [12] at the two ends of the door flexible duct [11].
 - (c) Remove the door flexible duct [11] from the lavatory [1].

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SUBTASK 25-40-11-020-006

- (7) Disconnect the toilet from the waste system tube through the applicable access panel.

SUBTASK 25-40-11-010-016

- (8) If it is applicable, do this task: Vacuum Toilet Assembly Removal, TASK 38-32-01-000-802.

NOTE: The removal of the toilet is optional.

NOTE: Time can be saved if the toilet stays in the lavatory.

SUBTASK 25-40-11-020-007

- (9) Remove tie rod [13] and tie rod [14].

(a) Remove the cotter pin [15], pin [16] and washer [17] at the two ends of tie rod [13] and tie rod [14].

(b) Remove tie rod [13] and tie rod [14] from the lavatory [1] and the airplane structure.

SUBTASK 25-40-11-020-008

- (10) Remove the coverplate on the hard point fittings.

SUBTASK 25-40-11-020-009

- (11) Remove the grease from the attachment fitting to get access to the fasteners, if it is necessary.

SUBTASK 25-40-11-020-010

- (12) Remove the bolts [18] and the washers [19] at the four hard point fittings.

(a) If it is necessary, remove the shims [20] at the four hard point fittings.

SUBTASK 25-40-11-020-011

- (13) Remove the lavatory [1].

———— **END OF TASK** ————

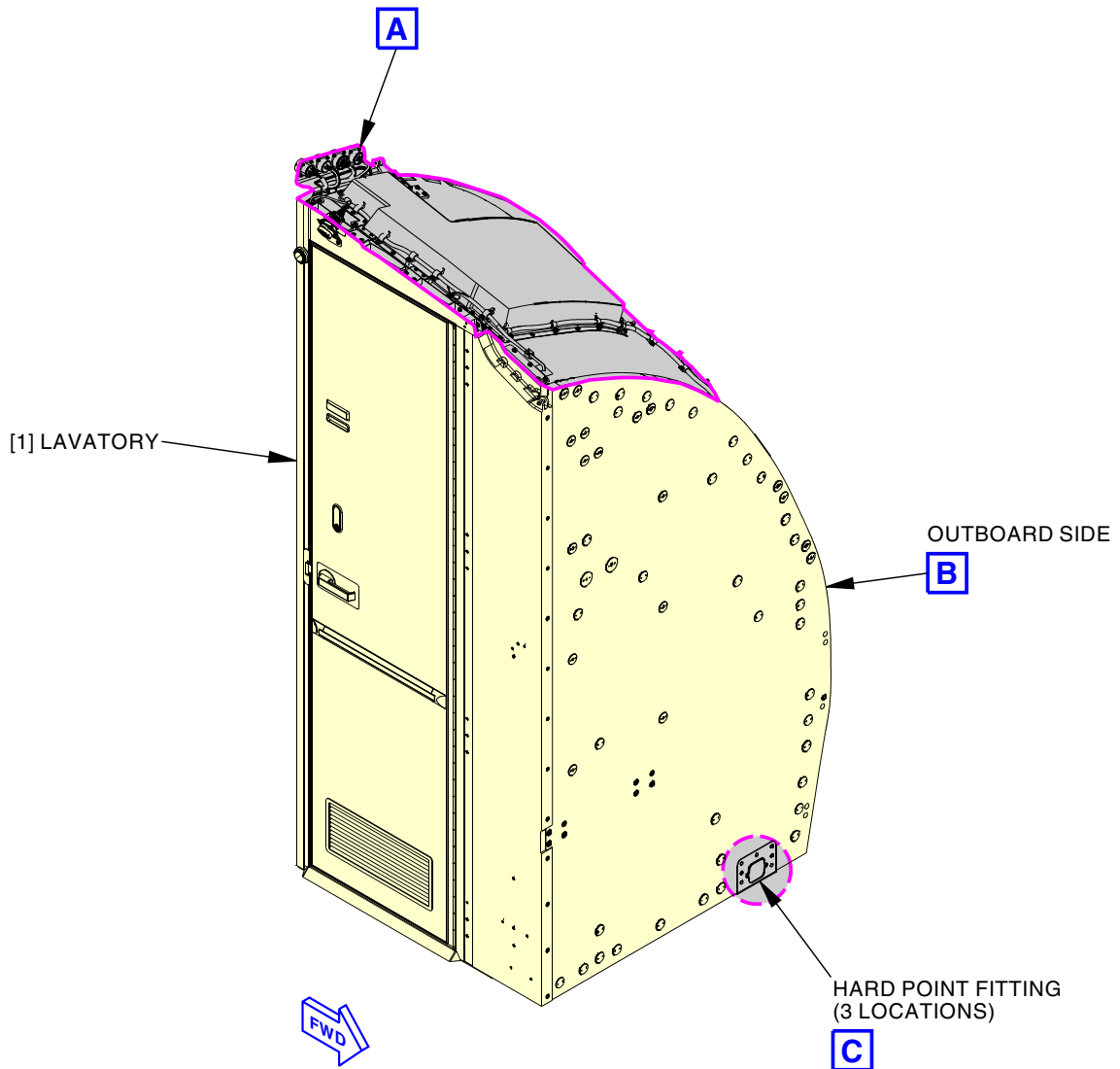
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LAVATORY A

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Lavatory A Installation
Figure 401/25-40-11-990-801 (Sheet 1 of 2)

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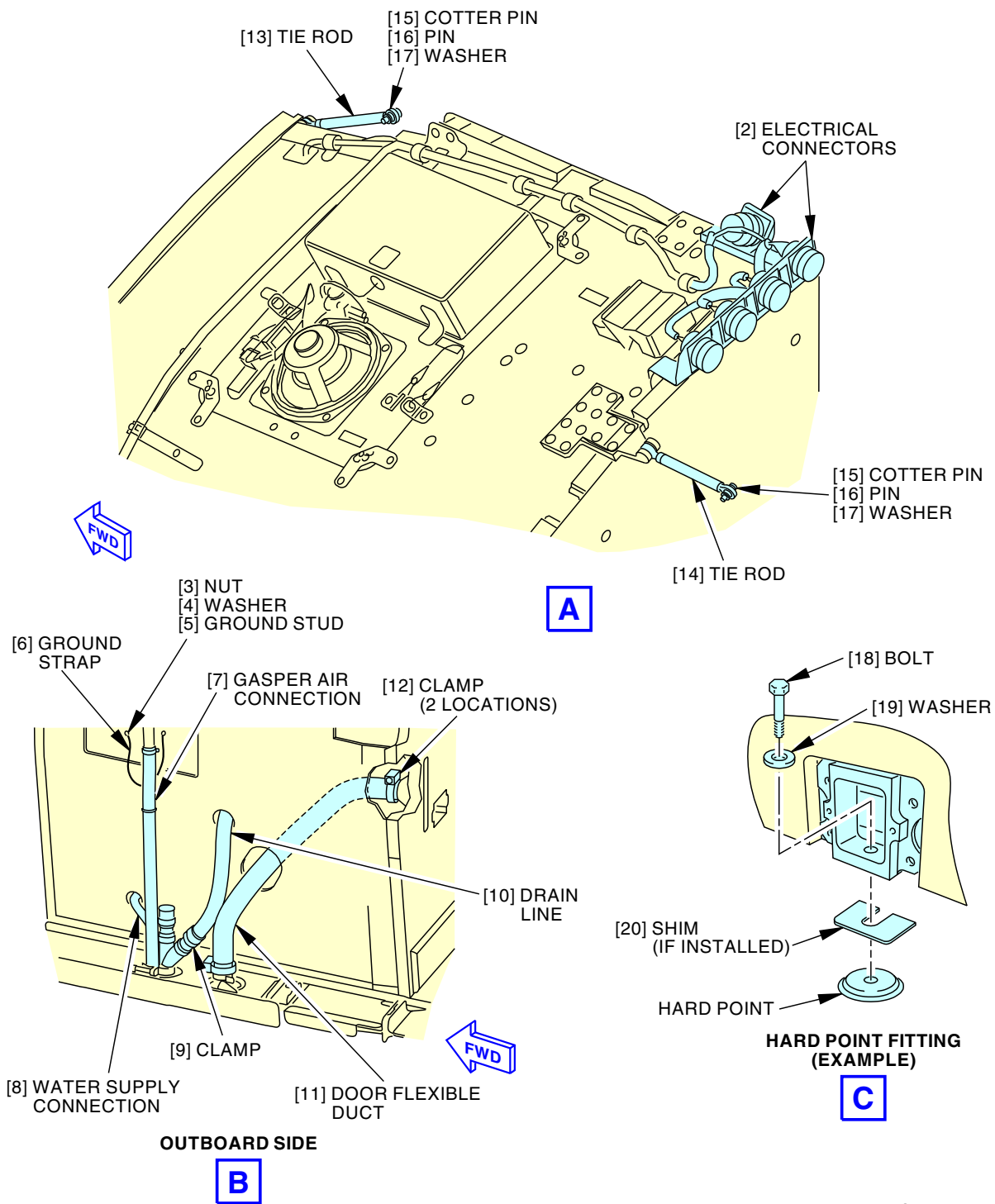
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Lavatory A Installation
Figure 401/25-40-11-990-801 (Sheet 2 of 2)

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TASK 25-40-11-400-801

3. Lavatory A Installation

(Figure 401)

A. References

Reference	Title
23-31-00-740-801	Passenger Address System - Operational Test (P/B 501)
23-42-01-400-801	Attendant Handset Cradle Installation (P/B 401)
23-42-01-400-802	Attendant Handset Cord Installation (P/B 401)
23-42-01-400-803	Attendant Handset Installation (P/B 401)
23-42-01-700-802	Attendant Handset Installation Test (P/B 501)
23-42-03-400-801	Cabin Attendant LCD Control Panel Installation (P/B 401)
25-11-21-400-801	Flight Compartment Forward Ceiling Panel Installation (P/B 201)
25-21-30-420-801	Forward Entry Door Doorway Header Panel Installation (P/B 401)
25-21-31-420-802	Forward Entry Doorway Sidewall Lining Panel - Installation (P/B 401)
25-21-71-400-801	Lowered Ceiling Installation (P/B 401)
25-23-13-400-801	Attendant/Lavatory Service Unit Installation (P/B 401)
25-24-31-400-801	Overhead Stowage Bin - Installation (P/B 401)
25-24-31-400-802	Overhead Stowage Bin Module - Installation (P/B 401)
25-25-12-400-801	Cabin Attendant Seat Installation (P/B 401)
25-40-01-400-801	Lavatory Sealant - Installation (P/B 401)
26-14-00-730-801	Lavatory Smoke Detection - Smoke Test (P/B 501)
26-14-01-400-801	Lavatory Smoke Detector Installation (P/B 401)
33-14-00-400-801	Dome Light - Installation (P/B 201)
33-20-00-710-801	Passenger Compartment Lights - Operational Test (P/B 501)
33-51-01-960-802	Exit Sign - Light Assembly Replacement (P/B 201)
38-10-00-600-801	Potable Water System Disinfectant (P/B 201)
38-32-00-420-801	Toilet Activation (P/B 201)
38-32-00-700-802	Toilet - Operational Test (P/B 501)
38-32-01-400-802	Vacuum Toilet Assembly Installation (P/B 401)
38-42-00-800-801	Potable Water System - Deactivation (P/B 201)
38-42-00-800-802	Potable Water System - Activation (P/B 201)
52-51-01-400-801	Flight Compartment Door Installation (P/B 401)

B. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 60
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010 Type 109
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796 Class III

C. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Lavatory	25-40-11-01-060	SIA 001-014

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AMM Item	Description	AIPC Reference	AIPC Effectivity
1 (cont.)		25-40-11-01-067	SIA 015-999
15	Cotter pin	25-40-51-01-050	SIA ALL

D. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
221	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Left

E. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

F. Lavatory A Installation

SUBTASK 25-40-11-110-001

- (1) Clean the galley mat on the floor in the galley area with solvent, B00083.

NOTE: The galley mat is a cover on the floor panels in the galley and lavatory area.

SUBTASK 25-40-11-350-001

- (2) If it is necessary, repair the galley mat.

SUBTASK 25-40-11-420-001

- (3) Move the lavatory [1] inboard.

SUBTASK 25-40-11-420-002



REMOVE AND INSTALL THE LAVATORY CAREFULLY. YOU CAN CAUSE DAMAGE TO THE GALLEY MAT.

- (4) Put the lavatory [1] on the hard point fittings until the lavatory floor is parallel with the airplane floor.

SUBTASK 25-40-11-420-003

- (5) If it is necessary, install the four shims [20] at the forward hard points.
- (a) Make sure that clearance between the top of the hard point fittings and the bottom of the lavatory fittings is 0.01 in. (0.25 mm).
 - (b) Make sure that the shim's maximum thickness is 0.01 in. (0.25 mm) or less.
 - (c) Install the four shims [20] until the clearance is 0.01 in. (0.25 mm).

SUBTASK 25-40-11-420-004

- (6) Install the lavatory fasteners.
- (a) Apply compound, C00528, to the bolts [18] and washers [19].
 - (b) Install the bolts [18] and washers [19] at the four hard point fittings.
 - (c) Tighten the bolts [18] to 150 in-lb (17 N·m) and make sure that a layer of compound, C00528, seals the connection.

SUBTASK 25-40-11-400-001

- (7) Do this task: Lavatory Sealant - Installation, TASK 25-40-01-400-801.
- (a) Install coverplates, the threshold (if removed), and kickstrips (if it is applicable).

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SUBTASK 25-40-11-820-001

- (8) Attach tie rod [13] and tie rod [14] to the fittings on the lavatory [1] and the airplane structure.
 - (a) Adjust tie rod [13] and tie rod [14] to the correct length.
 - 1) After the last tie rod adjustment is completed, make sure that the inspection holes at the two ends of tie rod [13] and tie rod [14] are blocked. Also make sure that the threads show in the inspection holes.
 - 2) Tighten the jamnuts with your fingers.
 - 3) If the pin-to-pin length of the tie rod [14] is more than 4 in. (10.2 cm), install a second jamnut on the tie rod.
 - 4) Make sure that tie rod [13] and tie rod [14] are installed with the jamnut at the lower end.
 - (b) Install the pins [16] and washers [17] at the two ends of tie rod [13] and tie rod [14].
 - (c) Lock the pins [16] and washers [17] at the two ends of each tie rod with the new cotter pin [15].

SUBTASK 25-40-11-390-001

- (9) Install a layer of adhesive, A00027, or adhesive, A00930, between the edge of the lavatory and the airplane floor.

SUBTASK 25-40-11-420-005

- (10) Connect the water supply at the connection at the rear of the lavatory [1].
 - (a) Get access through the applicable access panel in the rear of the lavatory [1].
 - (b) Connect the water supply connection [8] at the rear of the lavatory [1].

SUBTASK 25-40-11-420-006

- (11) Connect the drain line [10] at the connection at the rear of the lavatory [1].
 - (a) Through the applicable rear access panel, connect the drain line [10].
 - (b) Tighten the clamp [9] at the end of the drain line [10].

SUBTASK 25-40-11-420-007

- (12) Connect the gasper air supply at the connection at the rear of the lavatory [1].
 - (a) Get access through the applicable access panel in the rear of the lavatory [1].
 - (b) Connect the gasper air connection [7] at the rear of the lavatory [1].

SUBTASK 25-40-11-420-008

- (13) Connect the door flexible duct [11].
 - (a) Through the applicable rear access panel, connect the door flexible duct [11].
 - (b) Tighten the clamps [12] at the two ends of the door flexible duct [11].

SUBTASK 25-40-11-410-001

- (14) If it is applicable, do this task: Vacuum Toilet Assembly Installation, TASK 38-32-01-400-802.

SUBTASK 25-40-11-420-009

- (15) Connect the toilet to the waste system tube through the applicable access panel.

SUBTASK 25-40-11-420-010

- (16) Connect the ground connection to the lavatory [1].
 - (a) Connect the ground strap [6] to the ground stud [5] on the rear of the lavatory [1].
 - (b) Install the nut [3] and washer [4] on the ground stud [5].

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- (c) Measure the resistance of the static ground from the ground stud [5] on the lavatory [1] to the airplane ground stud.
- (d) Make sure that the resistance is 0.0025 ohm (2.5 milliohms) or less.

SUBTASK 25-40-11-420-011

- (17) Connect the electrical connectors [2] in the ceiling above the lavatory [1].

G. Put the Airplane Back to Its Usual Condition

SUBTASK 25-40-11-410-002

- (1) Install the lavatory hose grommets removed in the removal task.

SUBTASK 25-40-11-790-002

- (2) Do the leak check of the lavatory water connections.
 - (a) Do this task: Potable Water System - Activation, TASK 38-42-00-800-802.
 - (b) Open the water faucets in the lavatory and let the water flow for 2 minutes.
 - (c) Close the water faucets.
 - (d) Keep the pressure for at least 5 minutes.
 - (e) Do a visual check to make sure that there are no leaks at the water connections.
 - (f) Do this task: Potable Water System - Deactivation, TASK 38-42-00-800-801.

SUBTASK 25-40-11-410-018

- (3) Do these steps to put the lavatory back to the serviceable condition:
 - (a) Install the lavatory access panels removed in the removal task.
 - (b) Install the lavatory trim panels removed in the removal task.

SUBTASK 25-40-11-670-001

- (4) Do this task: Potable Water System Disinfectant, TASK 38-10-00-600-801.

SUBTASK 25-40-11-410-004

- (5) Do this task: Forward Entry Doorway Sidewall Lining Panel - Installation, TASK 25-21-31-420-802.

SUBTASK 25-40-11-410-005

- (6) Do this task: Forward Entry Door Doorway Header Panel Installation, TASK 25-21-30-420-801.

SUBTASK 25-40-11-420-012

- (7) If it is necessary, do this task: Overhead Stowage Bin - Installation, TASK 25-24-31-400-801 or Overhead Stowage Bin Module - Installation, TASK 25-24-31-400-802.

SUBTASK 25-40-11-410-006

- (8) Do this task: Lowered Ceiling Installation, TASK 25-21-71-400-801.

SUBTASK 25-40-11-410-007

- (9) Do this task: Lavatory Smoke Detector Installation, TASK 26-14-01-400-801.

SUBTASK 25-40-11-410-008

- (10) Do this task: Attendant/Lavatory Service Unit Installation, TASK 25-23-13-400-801.

SUBTASK 25-40-11-410-009

- (11) Do this task: Flight Compartment Door Installation, TASK 52-51-01-400-801.

SUBTASK 25-40-11-410-010

- (12) Do this task: Dome Light - Installation, TASK 33-14-00-400-801.

SUBTASK 25-40-11-410-011

- (13) Do this task: Flight Compartment Forward Ceiling Panel Installation, TASK 25-11-21-400-801.

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SUBTASK 25-40-11-410-017

- (14) If removed, install and test the exit sign light assembly (TASK 33-51-01-960-802).

SUBTASK 25-40-11-410-013

- (15) If it is applicable, install the fire axe in the flight compartment.

SUBTASK 25-40-11-410-014

- (16) Do this task: Cabin Attendant Seat Installation, TASK 25-25-12-400-801.

SUBTASK 25-40-11-410-015

- (17) If it is applicable, install the attendants handset.
- (a) Do this task: Attendant Handset Cradle Installation, TASK 23-42-01-400-801.
 - (b) Do this task: Attendant Handset Cord Installation, TASK 23-42-01-400-802.
 - (c) Do this task: Attendant Handset Installation, TASK 23-42-01-400-803.

SUBTASK 25-40-11-410-016

- (18) Do this task: Cabin Attendant LCD Control Panel Installation, TASK 23-42-03-400-801.

SUBTASK 25-40-11-860-004



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (19) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	9	C00138	WATER QTY IND
C	11	C01388	VACUUM WASTE CONT

This circuit breaker is inoperative and should remain open:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	11	C00413	BRT ENTRY LTS (INOP)

SUBTASK 25-40-11-410-021

- (20) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

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SUBTASK 25-40-11-860-002

- (21) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	11	C00250	PASS CABIN LIGHTING EMER CHGR FWD
C	8	C04072	PASS CABIN SIGNS FASTEN SEAT BELT R
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN
D	19	C01423	VACUUM WASTE
E	12	C01125	LAVATORY SMOKE
E	14	C01648	LAVATORY MIRROR LIGHT
F	10	C00783	OXYGEN PASS LEFT
F	13	C00104	LAVATORY WATER HEATER A

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	6	C01583	ENTERTAINMENT PA SYS BAT
D	4	C00082	COMMUNICATIONS PA AMPL BAT

F/O Electrical System Panel, P6-2

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	21	C00560	INTERPHONE POWER F/O DC 2
C	22	C00561	INTERPHONE POWER F/O BAT
C	23	C00239	INTERPHONE POWER CAPT DC 2
C	24	C00240	INTERPHONE POWER CAPT BAT
D	21	C00084	INTPH AND WARN
D	22	C00086	AUDIO F/O
D	23	C00083	AUDIO CAPT
D	24	C00085	AUDIO OBS

H. Lavatory A Installation Test

SUBTASK 25-40-11-440-001

- (1) Do this task: Toilet Activation, TASK 38-32-00-420-801.

SUBTASK 25-40-11-710-001

- (2) Do this task: Lavatory Smoke Detection - Smoke Test, TASK 26-14-00-730-801.

SUBTASK 25-40-11-710-002

- (3) If it is applicable, do this task: Attendant Handset Installation Test, TASK 23-42-01-700-802.

SUBTASK 25-40-11-710-003

- (4) Do this task: Passenger Address System - Operational Test, TASK 23-31-00-740-801.

SUBTASK 25-40-11-710-004

- (5) Do this task: Passenger Compartment Lights - Operational Test, TASK 33-20-00-710-801.

SUBTASK 25-40-11-710-005

- (6) Do this task: Toilet - Operational Test, TASK 38-32-00-700-802.

————— END OF TASK —————

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MODULAR LAVATORY D - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Lavatory D removal
- (2) Lavatory D installation.

TASK 25-40-14-000-801

2. Lavatory D Removal

(Figure 401)

A. **References**

Reference	Title
23-42-01-000-801	Attendant Handset Removal (P/B 401)
23-42-01-000-802	Attendant Handset Cord Removal (P/B 401)
23-42-01-000-803	Attendant Handset Cradle Removal (P/B 401)
25-21-24-000-801	Aft Door Doorway Header Panel Removal (P/B 401)
25-21-25-020-801	Aft Entry and Service Doorways Sidewall Lining Panel - Removal (P/B 401)
25-21-71-000-801	Lowered Ceiling Removal (P/B 401)
25-22-00-000-801	Passenger Seat Removal (P/B 401)
25-25-12-000-801	Cabin Attendant Seat Removal (P/B 401)
26-14-01-000-801	Lavatory Smoke Detector Removal (P/B 401)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
38-32-00-040-801	Toilet Deactivation (P/B 201)
38-32-01-000-801	Toilet Shroud Removal (P/B 401)
38-32-01-000-802	Vacuum Toilet Assembly Removal (P/B 401)
38-42-00-800-801	Potable Water System - Deactivation (P/B 201)

B. **Location Zones**

Zone	Area
117	Electrical and Electronics Compartment - Left
241	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Left

C. **Access Panels**

Number	Name/Location
117A	Electronic Equipment Access Door

D. **Prepare for the Removal**

SUBTASK 25-40-14-040-001

- (1) Deactivate the lavatory toilet (TASK 38-32-00-040-801).

SUBTASK 25-40-14-860-001

- (2) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT
C	8	C04072	PASS CABIN SIGNS FASTEN SEAT BELT R

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CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN
D	19	C01423	VACUUM WASTE
E	12	C01125	LAVATORY SMOKE
E	14	C01648	LAVATORY MIRROR LIGHT
F	10	C00783	OXYGEN PASS LEFT
F	14	C01073	LAVATORY WATER HEATER D

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	6	C01583	ENTERTAINMENT PA SYS BAT
D	4	C00082	COMMUNICATIONS PA AMPL BAT

F/O Electrical System Panel, P6-2

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	21	C00560	INTERPHONE POWER F/O DC 2
C	22	C00561	INTERPHONE POWER F/O BAT
C	23	C00239	INTERPHONE POWER CAPT DC 2
C	24	C00240	INTERPHONE POWER CAPT BAT
D	21	C00084	INTPH AND WARN
D	22	C00086	AUDIO F/O
D	23	C00083	AUDIO CAPT
D	24	C00085	AUDIO OBS

SUBTASK 25-40-14-010-013

- (3) To get access to the P9 panel, open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-40-14-040-002



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (4) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	9	C00138	WATER QTY IND
C	11	C01388	VACUUM WASTE CONT

This circuit breaker is inoperative and should remain open:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	11	C00413	BRT ENTRY LTS (INOP)

SUBTASK 25-40-14-020-011

- (5) If it is necessary, remove the equipment or furnishings that are attached to the lavatory [1].

SUBTASK 25-40-14-010-001

- (6) If it is necessary, remove the attendant handset.
- (a) Remove the attendant handset (TASK 23-42-01-000-801).
 - (b) Remove the attendant handset cord (TASK 23-42-01-000-802).
 - (c) Remove the attendant handset cradle (TASK 23-42-01-000-803).

SUBTASK 25-40-14-010-003

- (7) Remove the lavatory smoke detector (TASK 26-14-01-000-801).

SUBTASK 25-40-14-020-012

- (8) If it is applicable, remove stowage equipment.

SUBTASK 25-40-14-010-004

- (9) Remove the lowered ceiling (TASK 25-21-71-000-801).

SUBTASK 25-40-14-010-005

- (10) Remove the aft doorway header panel (TASK 25-21-24-000-801).

SUBTASK 25-40-14-010-006

- (11) Remove the aft entry/service doorway sidewall lining panel (TASK 25-21-25-020-801).

SIA 001-014

SUBTASK 25-40-14-010-007

- (12) If it is necessary, remove the last row of passenger seats (TASK 25-22-00-000-801).

SIA ALL

SUBTASK 25-40-14-010-012

- (13) If it is necessary, remove the attendant's seat (TASK 25-25-12-000-801).

SUBTASK 25-40-14-010-008

- (14) If it is necessary, remove the floor proximity light assembly (TASK 33-51-14-960-802).

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SUBTASK 25-40-14-870-001

- (15) Deactivate the potable water system (TASK 38-42-00-800-801).

SUBTASK 25-40-14-680-001

- (16) Drain all of the water from the lavatory equipment.

SUBTASK 25-40-14-010-009

- (17) Remove only the necessary items that follow from the lavatory.
- (a) Remove the step pad [2].
 - (b) If it is applicable, remove the lavatory door.
 - (c) Remove the trim panels.
 - (d) Remove the hose grommets.

E. Lavatory D Removal

SUBTASK 25-40-14-020-001

- (1) Disconnect the components installed on the top of the lavatory [1].
- (a) Disconnect the electrical connectors [13].
 - (b) If it is necessary, install a jumper wire between pins 29 and 30 on the D14372 connector.
NOTE: The jumper wire turns off the emergency exit lights.
 - (c) Remove the nut [3] and washer [4] from the ground stud [5].
 - (d) Remove the nut [8] and washer [9] from the ground stud [10].
 - (e) Disconnect the ends of the ground strap [6] from the ground stud [5] and ground stud [10].
 - (f) Disconnect the gasper air connection [7].
 - (g) Remove the quick-release pin [11] at each end of the tie rod [14].
 - (h) Remove the tie rod [14].

SUBTASK 25-40-14-020-013

- (2) If it is applicable, remove the toilet shroud (TASK 38-32-01-000-801).

SUBTASK 25-40-14-020-014

- (3) Remove the vacuum toilet assembly (TASK 38-32-01-000-802).

SUBTASK 25-40-14-020-005

- (4) Disconnect the water supply from the lavatory [1].
- (a) Remove the access panel on the rear of the lavatory [1].
 - (b) Remove the insulation from the water supply connection [21].
 - (c) Disconnect the water supply connection [21] from the lavatory [1].

SUBTASK 25-40-14-020-006

- (5) Disconnect the drain line [19].
- (a) Remove the access panel on the rear of the lavatory [1].
 - (b) Loosen the clamp [20] on the drain line [19].
 - (c) Disconnect the drain line [19] from the lavatory [1].

SUBTASK 25-40-14-020-007

- (6) Remove the screws that attach the cover plates to the hard point fittings [17].

SUBTASK 25-40-14-020-008

- (7) Remove the sealant from the hard point fittings [17] to get access to the fasteners.

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SUBTASK 25-40-14-020-009

- (8) Remove the bolts [15], washers [16], and the shims [18] (if installed) from the hard point fittings [17].

SUBTASK 25-40-14-020-010



REMOVE AND INSTALL THE LAVATORY CAREFULLY. YOU CAN CAUSE DAMAGE TO THE GALLEY MAT.

- (9) Carefully remove the lavatory [1].

———— **END OF TASK** ————

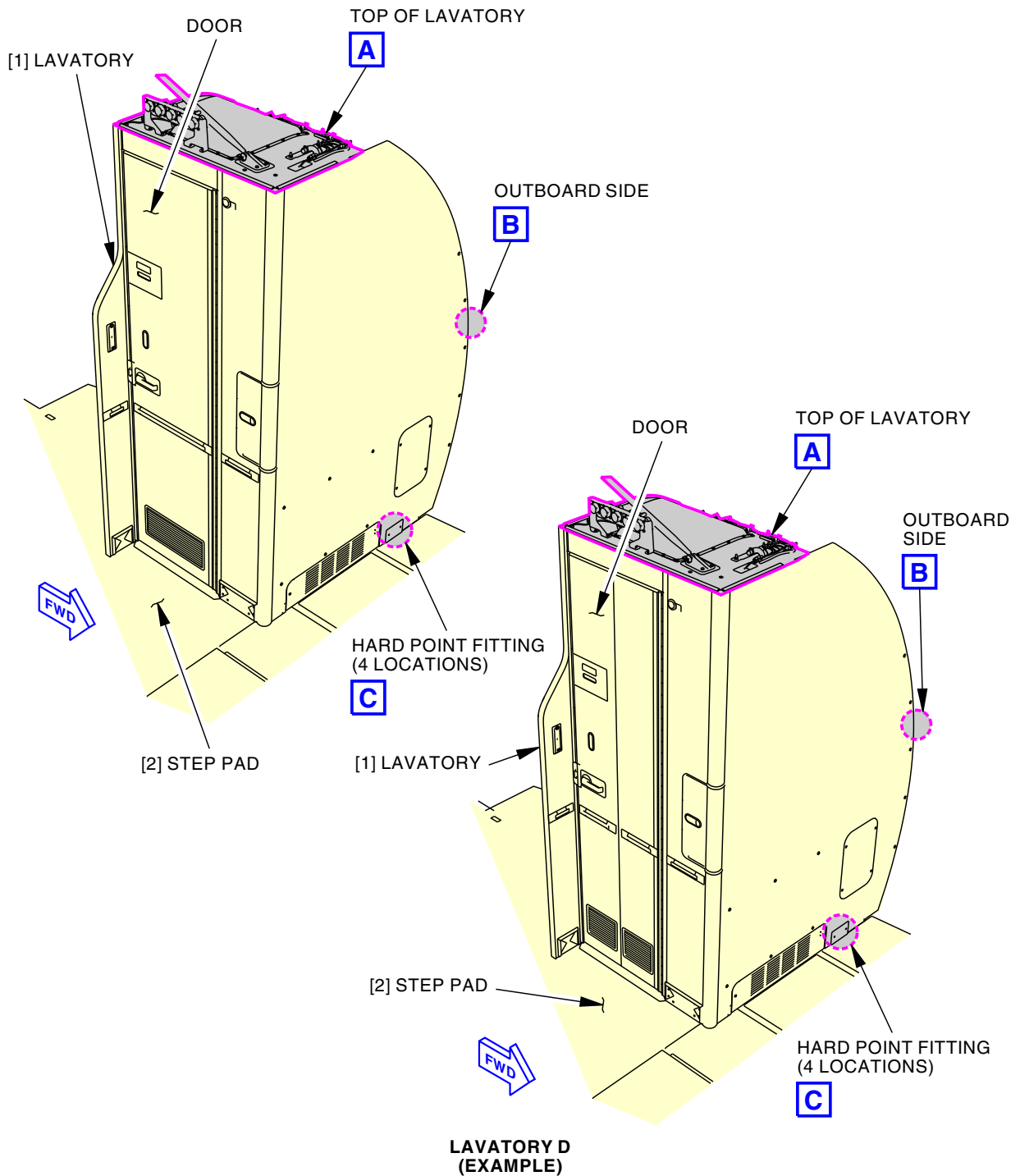
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Lavatory D Installation
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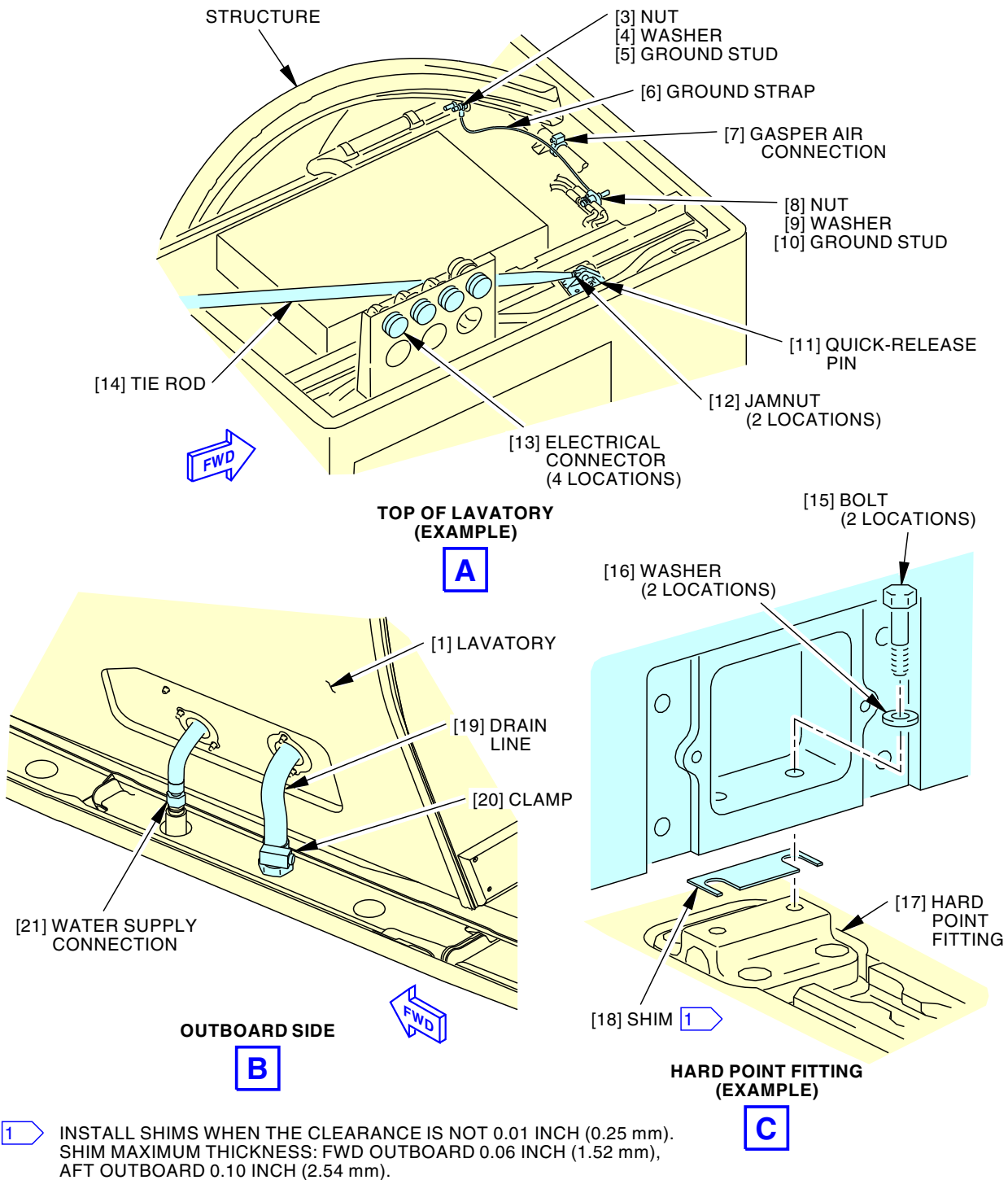
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Lavatory D Installation
Figure 401/25-40-14-990-801 (Sheet 2 of 2)

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TASK 25-40-14-400-801

3. Lavatory D Installation

(Figure 401)

A. References

Reference	Title
23-31-00-740-801	Passenger Address System - Operational Test (P/B 501)
23-42-01-400-801	Attendant Handset Cradle Installation (P/B 401)
23-42-01-400-802	Attendant Handset Cord Installation (P/B 401)
23-42-01-400-803	Attendant Handset Installation (P/B 401)
23-42-01-700-802	Attendant Handset Installation Test (P/B 501)
25-21-24-400-801	Aft Door Doorway Header Panel Installation (P/B 401)
25-21-25-420-801	Aft Entry and Service Doorways Sidewall Lining Panel - Installation (P/B 401)
25-21-71-400-801	Lowered Ceiling Installation (P/B 401)
25-22-00-400-801	Passenger Seat Installation (P/B 401)
25-23-13-400-801	Attendant/Lavatory Service Unit Installation (P/B 401)
25-25-12-400-801	Cabin Attendant Seat Installation (P/B 401)
25-40-01-400-801	Lavatory Sealant - Installation (P/B 401)
26-14-00-730-801	Lavatory Smoke Detection - Smoke Test (P/B 501)
26-14-01-400-801	Lavatory Smoke Detector Installation (P/B 401)
33-20-00-710-801	Passenger Compartment Lights - Operational Test (P/B 501)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
38-10-00-600-801	Potable Water System Disinfectant (P/B 201)
38-32-00-420-801	Toilet Activation (P/B 201)
38-32-00-700-802	Toilet - Operational Test (P/B 501)
38-32-01-400-801	Toilet Shroud Installation (P/B 401)
38-32-01-400-802	Vacuum Toilet Assembly Installation (P/B 401)
38-42-00-800-801	Potable Water System - Deactivation (P/B 201)
38-42-00-800-802	Potable Water System - Activation (P/B 201)

B. Consumable Materials

Reference	Description	Specification
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796 Class III
G50327	Tape - Advanced Insulation Blanket (use until stock depleted)	BMS5-157 Type I Class 1 Grade B Composition MPVF
G50408	Foam - Flexible Polyvinylidene Fluoride	BMS8-371
G51202	Tape - Advanced Insulation Blanket	BMS5-157 Type I Class 1 Grade A Composition MPVF

C. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Lavatory	25-40-14-01-020	SIA 015-999

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AMM Item	Description	AIPC Reference	AIPC Effectivity
1 (cont.)		25-40-14-01-021	SIA 001-014
		25-40-14-11Q-450	SIA 001-014

D. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
241	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Left

E. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

F. Lavatory D Installation

SUBTASK 25-40-14-110-001

- (1) Clean the galley mat with solvent, B00083.

SUBTASK 25-40-14-350-001

- (2) Repair the galley mat if damage shows.

SUBTASK 25-40-14-420-001



REMOVE AND INSTALL THE LAVATORY CAREFULLY. YOU CAN CAUSE DAMAGE TO THE GALLEY MAT.

- (3) Carefully move the lavatory [1] inboard.

SUBTASK 25-40-14-420-002

- (4) Align the lavatory [1] on the four hard point fittings [17] until the lavatory floor is parallel with the airplane floor.

SUBTASK 25-40-14-420-003

- (5) Measure the clearance between the top of the four hard point fittings [17] and the bottom of the lavatory [1] fittings to make sure that the clearance is 0.01 in. (0.25 mm).
- (a) Install shims [18] on the outboard hard point fitting [17] if the clearance is not correct.
- At the forward outboard hard point fitting [17] the shim [18] maximum thickness is 0.06 in. (1.52 mm).
 - At the aft outboard hard point fitting [17] the shim [18] maximum thickness is 0.10 in. (2.54 mm).
 - Install shims [18] as necessary to get the correct clearance of 0.01 in. (0.25 mm).

SUBTASK 25-40-14-420-004

- (6) Install the lavatory [1] fasteners to attach the lavatory [1] to the airplane structure.
- (a) Apply compound, C00528 to the two bolts [15] and washers [16] for the four hard point fittings [17].
- (b) Loosely install the two bolts [15] and washers [16] at the four hard point fittings [17].
- NOTE:** This will prevent the lavatory from movement. The bolts will be tightened correctly after connecting the lines and tie rod.

SUBTASK 25-40-14-420-005

- (7) Connect the water supply connection [21] to the lavatory [1].

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- (a) Get access through the access panel in the rear of the lavatory [1].
- (b) Connect the water supply connection [21] to the lavatory [1] connection.

SUBTASK 25-40-14-420-006

- (8) Install the insulation foam on the water supply connection [21].
 - (a) Apply insulation foam, G50408 around the water supply connection [21].
 - 1) Start the insulation foam, G50408 overlap below the water supply connection [21].
 - 2) Continue to wrap the insulation foam, G50408 around the fitting with a 0.2 +0.3 / -0.0 in. (5.1 +7.6 / -0.0 mm) overlap for each turn.
 - 3) Complete the insulation foam, G50408 wrap 2.0 in. (50.8 mm) above the end of the fitting.

NOTE: In areas where the fitting is bent to 90.0 degrees, small clearances between the insulation foam and the fitting are permitted. The insulation can be applied in segments.

SUBTASK 25-40-14-420-015

- (9) Install the insulation tape, G50327 or tape, G51202 to cover the insulation foam around the water supply connection [21].
 - (a) Apply insulation tape, G50327 or tape, G51202 around the insulation foam, G50408.
 - 1) Start the insulation tape, G50327 or tape, G51202 overlap before the insulation foam, G50408 begins.
 - 2) Continue to wind the insulation tape, G50327 or tape, G51202 around the insulation foam, G50408 with a 0.2 +0.3 / -0.0 in. (5.1 +7.6 / -0.0 mm) overlap for each turn. Stop after the insulation foam, G50408 ends.
 - 3) Make sure that the insulation tape, G50327 or tape, G51202 seals the ends of the insulation foam, G50408 completely.
 - a) Make sure that the insulation foam under the insulation tape does not show.

SUBTASK 25-40-14-420-007

- (10) Connect the drain line [19] installed at the rear of the lavatory [1].
 - (a) Get access to the access panel on the rear of the lavatory [1].
 - (b) Connect the drain line [19] to the lavatory [1].
 - (c) Tighten the clamp [20] on the drain line [19].

SUBTASK 25-40-14-820-001

- (11) Connect the tie rod [14] to the lavatory [1] and airplane structure.
 - (a) Adjust the tie rod [14] to the correct length before installation.
 - 1) Make sure that the inspection hole at the two ends of the tie rod [14] are blocked and that the threads are visible in the inspection holes.
 - 2) Tighten the two jamnuts [12] finger tight.
 - (b) Install the two quick-release pins [11] to attach the tie rod [14] to the lavatory [1].

SUBTASK 25-40-14-420-009

- (12) Connect the ground strap [6] to the ground stud [5] and ground stud [10] installed at the top of the lavatory [1] (View A).
 - (a) Install the nut [8] and washer [9] to connect the ground strap [6] to the ground stud [10].
 - (b) Install the nut [3] and washer [4] to connect the ground strap [6] to the ground stud [5].

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- (c) Do a resistance check of the static ground from the ground stud [5] on the lavatory [1] to the airplane ground stud.
- (d) Make sure that the resistance is a maximum of 0.0025 Ohms.

SUBTASK 25-40-14-420-010

- (13) Remove the jumper wire from pins 29 and 30 on connector D11066, if installed.

SUBTASK 25-40-14-420-016

- (14) Connect the electrical connectors [13] on the top of the lavatory [1].

SUBTASK 25-40-14-420-014

- (15) Connect the gasper air connection [7] to the connection on the top of the lavatory [1].

SUBTASK 25-40-14-420-011

- (16) Do these steps at the four hard point fittings [17] on the lavatory [1] floor.
 - (a) Tighten the bolts [15] on the four hard point fittings [17] to 35 in-lb (4 N·m).
 - (b) Apply compound, C00528 to the four hard point fittings [17].
 - (c) Install the screws to attach the four cover plates on the hard point fittings [17].

SUBTASK 25-40-14-400-001

- (17) Seal the lavatory floor and the four hard point fittings [17] (TASK 25-40-01-400-801).

SUBTASK 25-40-14-420-012

- (18) Install the vacuum toilet assembly and the toilet shroud, if applicable.
 - (a) Install the toilet shroud (TASK 38-32-01-400-801).
 - (b) Install the vacuum toilet assembly (TASK 38-32-01-400-802).

G. Put the Airplane Back to Its Usual Condition

SUBTASK 25-40-14-410-002

- (1) Install the necessary items removed from the lavatory [1].
 - (a) Install the hose grommets.
 - (b) If applicable, install the lavatory door.

SUBTASK 25-40-14-790-002

- (2) Do a leak check of the lavatory water connections.
 - (a) Do this task: Potable Water System - Activation, TASK 38-42-00-800-802.
 - (b) Open the water faucets in the lavatory and let the water flow for 2 minutes.
 - (c) Close the water faucets.
 - (d) Keep the pressure for at least 5 minutes.
 - (e) Do a visual check to make sure that there are no leaks at the water connections.
 - (f) Do this task: Potable Water System - Deactivation, TASK 38-42-00-800-801.

SUBTASK 25-40-14-410-011

- (3) Install the remaining necessary items removed from the lavatory [1]:
 - (a) Close the access panels.
 - (b) Install the trim panels.
 - (c) Install the step pad [2].

SUBTASK 25-40-14-670-001

- (4) Clean the potable water system (TASK 38-10-00-600-801).

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SUBTASK 25-40-14-410-003

- (5) Install the floor proximity light assembly, if necessary (TASK 33-51-14-960-802).

SUBTASK 25-40-14-410-010

- (6) If it is necessary, install the attendant's seat (TASK 25-25-12-400-801).

SIA 001-014

SUBTASK 25-40-14-010-011

- (7) Install the last row of passenger seat, if removed (TASK 25-22-00-400-801).

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SUBTASK 25-40-14-410-004

- (8) Install the aft entry/service doorway sidewall lining panel (TASK 25-21-25-420-801).

SUBTASK 25-40-14-410-005

- (9) Install the aft doorway header panel (TASK 25-21-24-400-801).

SUBTASK 25-40-14-410-006

- (10) Install the lower ceiling panel (TASK 25-21-71-400-801).

SUBTASK 25-40-14-410-007

- (11) Install the smoke detector (TASK 26-14-01-400-801).

SUBTASK 25-40-14-410-008

- (12) Install the attendant/lavatory service unit (TASK 25-23-13-400-801).

SUBTASK 25-40-14-420-018

- (13) If applicable, put the stowage equipment back to the stowage area.

SUBTASK 25-40-14-410-009

- (14) Install the attendant handset, if removed.
- (a) Do this task: Attendant Handset Cradle Installation, TASK 23-42-01-400-801.
 - (b) Do this task: Attendant Handset Cord Installation, TASK 23-42-01-400-802.
 - (c) Do this task: Attendant Handset Installation, TASK 23-42-01-400-803.

SUBTASK 25-40-14-420-017

- (15) If necessary, install the equipment or furnishings that are attached to the lavatory [1].

SUBTASK 25-40-14-860-003



WHEN YOU OPEN THE P91 AND P92 PANELS, MAKE SURE THAT THE OUTER DOOR STAYS AS OPEN AS POSSIBLE. IF THE OUTER DOOR TURNS IN, THE ATTACHED DOOR COMPONENTS COULD TOUCH THE INNER DOOR COMPONENTS. THIS CAN CAUSE AN ARC CONDITION WHEN YOU SUPPLY POWER. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

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(WARNING PRECEDES)



DO NOT TOUCH THE CONDUCTORS IN THE P91 AND P92 PANELS. BE CAREFUL WHEN YOU GET ACCESS TO THE CIRCUIT BREAKERS ON THE INNER SIDE OF THE P91 AND P92 PANELS (ROW F). IF IT IS POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER FIRST. THE P91 AND P92 PANELS HAVE HIGH VOLTAGES AND CURRENTS. ELECTRICAL VOLTAGE AND CURRENT CAN KILL YOU OR CAUSE INJURIES.

- (16) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	9	C00138	WATER QTY IND
C	11	C01388	VACUUM WASTE CONT

This circuit breaker is inoperative and should remain open:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	11	C00413	BRT ENTRY LTS (INOP)

SUBTASK 25-40-14-410-013

- (17) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-40-14-860-002

- (18) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	10	C01357	PASS CABIN LIGHTING EMER CHGR L AFT
B	10	C01358	PASS CABIN LIGHTING EMER CHGR R AFT
C	8	C04072	PASS CABIN SIGNS FASTEN SEAT BELT R
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN
D	19	C01423	VACUUM WASTE
E	12	C01125	LAVATORY SMOKE
E	14	C01648	LAVATORY MIRROR LIGHT
F	10	C00783	OXYGEN PASS LEFT
F	14	C01073	LAVATORY WATER HEATER D

F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	6	C01583	ENTERTAINMENT PA SYS BAT
D	4	C00082	COMMUNICATIONS PA AMPL BAT

F/O Electrical System Panel, P6-2

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	21	C00560	INTERPHONE POWER F/O DC 2
C	22	C00561	INTERPHONE POWER F/O BAT
C	23	C00239	INTERPHONE POWER CAPT DC 2

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F/O Electrical System Panel, P6-2

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	24	C00240	INTERPHONE POWER CAPT BAT
D	21	C00084	INTPH AND WARN
D	22	C00086	AUDIO F/O
D	23	C00083	AUDIO CAPT
D	24	C00085	AUDIO OBS

SUBTASK 25-40-14-440-001

(19) Activate the toilet system (TASK 38-32-00-420-801).

H. Lavatory D Installation Test

SUBTASK 25-40-14-710-001

(1) Do a test of the lavatory smoke detector (TASK 26-14-00-730-801).

SUBTASK 25-40-14-710-002

(2) Do a test of the attendant handset (TASK 23-42-01-700-802).

SUBTASK 25-40-14-710-003

(3) Do a test of the passenger address system (TASK 23-31-00-740-801).

SUBTASK 25-40-14-710-004

(4) Do a test of the passenger compartment light (TASK 33-20-00-710-801).

SUBTASK 25-40-14-710-005

(5) Do a test of the operation of the toilet (TASK 38-32-00-700-802).

————— END OF TASK —————

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MODULAR LAVATORY E - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Lavatory E removal
- (2) Lavatory E installation.

TASK 25-40-15-000-801

2. Lavatory E Removal

(Figure 401)

A. **References**

Reference	Title
23-42-01-000-801	Attendant Handset Removal (P/B 401)
23-42-01-000-802	Attendant Handset Cord Removal (P/B 401)
23-42-01-000-803	Attendant Handset Cradle Removal (P/B 401)
25-21-24-000-801	Aft Door Doorway Header Panel Removal (P/B 401)
25-21-25-020-801	Aft Entry and Service Doorways Sidewall Lining Panel - Removal (P/B 401)
25-21-71-000-801	Lowered Ceiling Removal (P/B 401)
25-22-00-000-801	Passenger Seat Removal (P/B 401)
25-25-12-000-801	Cabin Attendant Seat Removal (P/B 401)
26-14-01-000-801	Lavatory Smoke Detector Removal (P/B 401)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
38-32-00-040-801	Toilet Deactivation (P/B 201)
38-32-01-000-801	Toilet Shroud Removal (P/B 401)
38-32-01-000-802	Vacuum Toilet Assembly Removal (P/B 401)
38-42-00-800-801	Potable Water System - Deactivation (P/B 201)

B. **Location Zones**

Zone	Area
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

C. **Prepare for the Removal**

SUBTASK 25-40-15-040-001

- (1) Deactivate the toilet system (TASK 38-32-00-040-801).

SUBTASK 25-40-15-860-001

- (2) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN
E	12	C01125	LAVATORY SMOKE
E	14	C01648	LAVATORY MIRROR LIGHT
F	15	C01096	LAVATORY WATER HEATER E

SUBTASK 25-40-15-010-001

- (3) If necessary, remove the attendant handset.
 - (a) Do this task: Attendant Handset Removal, TASK 23-42-01-000-801.

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- (b) Do this task: Attendant Handset Cord Removal, TASK 23-42-01-000-802.
- (c) Do this task: Attendant Handset Cradle Removal, TASK 23-42-01-000-803.

SUBTASK 25-40-15-010-003

- (4) Remove the lavatory smoke detector (TASK 26-14-01-000-801).

SUBTASK 25-40-15-010-013

- (5) If necessary, remove the equipment or furnishings that are attached to the lavatory.

SUBTASK 25-40-15-010-004

- (6) Remove the lowered ceiling (TASK 25-21-71-000-801).

SUBTASK 25-40-15-010-005

- (7) Remove the aft doorway header panel (TASK 25-21-24-000-801).

SUBTASK 25-40-15-010-006

- (8) Remove the aft entry/service doorway sidewall lining panel (TASK 25-21-25-020-801).

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SUBTASK 25-40-15-010-007

- (9) Remove the last row of passenger seats, if necessary (TASK 25-22-00-000-801).

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SUBTASK 25-40-15-010-008

- (10) Remove the cabin attendant seat, if necessary (TASK 25-25-12-000-801).

SUBTASK 25-40-15-010-009

- (11) Remove the floor proximity light assembly, if necessary (TASK 33-51-14-960-802).

SUBTASK 25-40-15-870-001

- (12) Deactivate the potable water system (TASK 38-42-00-800-801).

SUBTASK 25-40-15-680-001

- (13) Drain all of the water from the lavatory equipment.

SUBTASK 25-40-15-010-010

- (14) Remove only the necessary items that follow from the lavatory [1].
 - (a) Remove the trim panels.
 - (b) Remove the access panels to get access to the drain line and water supply connection.
 - (c) Remove the hose grommets.

SUBTASK 25-40-15-020-011

- (15) If necessary, remove the door.

D. Lavatory E Removal

SUBTASK 25-40-15-020-001

- (1) Disconnect the components installed in the top area of the lavatory [1] (View A).
 - (a) Disconnect the electrical connector [2].
 - (b) Remove the nut [3] and washer [4] that attach the ground strap [6] to the ground stud [5].
 - (c) Disconnect the ground strap [6] from the ground stud [5].
 - (d) Disconnect the gasper air connection [7].

SUBTASK 25-40-15-020-012

- (2) Remove the toilet shroud, if applicable (TASK 38-32-01-000-801).

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SUBTASK 25-40-15-020-013

- (3) Remove the vacuum toilet assembly (TASK 38-32-01-000-802).

SUBTASK 25-40-15-020-004

- (4) Disconnect the water supply connection [8] installed at the rear of the lavatory [1].
- (a) Get access to the water supply connection [8] through the rear of the lavatory [1].
 - (b) Remove the insulation from around the water supply connection [8].
 - (c) Disconnect the water supply connection [8] from the lavatory [1].

SUBTASK 25-40-15-020-005

- (5) Disconnect the drain line [10] installed at the rear of the lavatory [1].
- (a) Get access to the drain line [10] through the access panel in the rear of the lavatory [1].
 - (b) Loosen the clamp [9] on the drain line [10].
 - (c) Disconnect the drain line [10] from the lavatory [1].

SUBTASK 25-40-15-020-006

- (6) Remove the tie rod [13] from the top of the lavatory [1].
- (a) Remove the two quick-release pins [11] from the ends of the tie rod [13].
 - (b) Remove the tie rod [13].

SUBTASK 25-40-15-020-007

- (7) Remove the screws that attach the four cover plates to the four hard point fittings [17].

SUBTASK 25-40-15-020-008

- (8) Remove the sealant from the hard point fittings [17] to get access to the bolts [14].

SUBTASK 25-40-15-020-009

- (9) Remove the two bolts [14], washers [15] and the shim [16] (If installed) from the four hard point fittings [17].

SUBTASK 25-40-15-020-010



REMOVE AND INSTALL THE LAVATORY CAREFULLY. YOU CAN CAUSE DAMAGE TO THE GALLEY MAT.

- (10) Carefully remove the lavatory [1].

————— **END OF TASK** —————

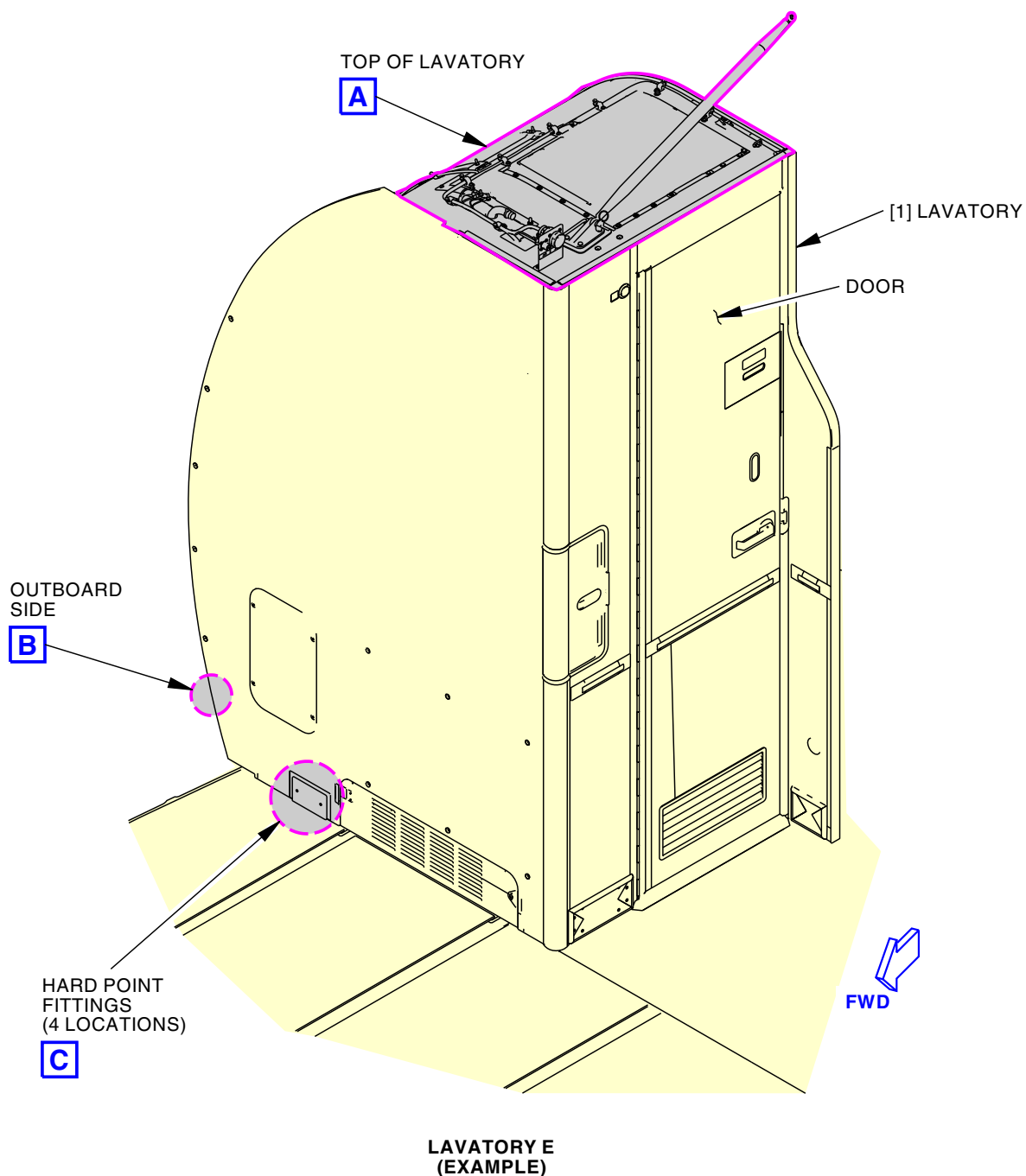
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Lavatory E Installation
Figure 401/25-40-15-990-801 (Sheet 1 of 2)

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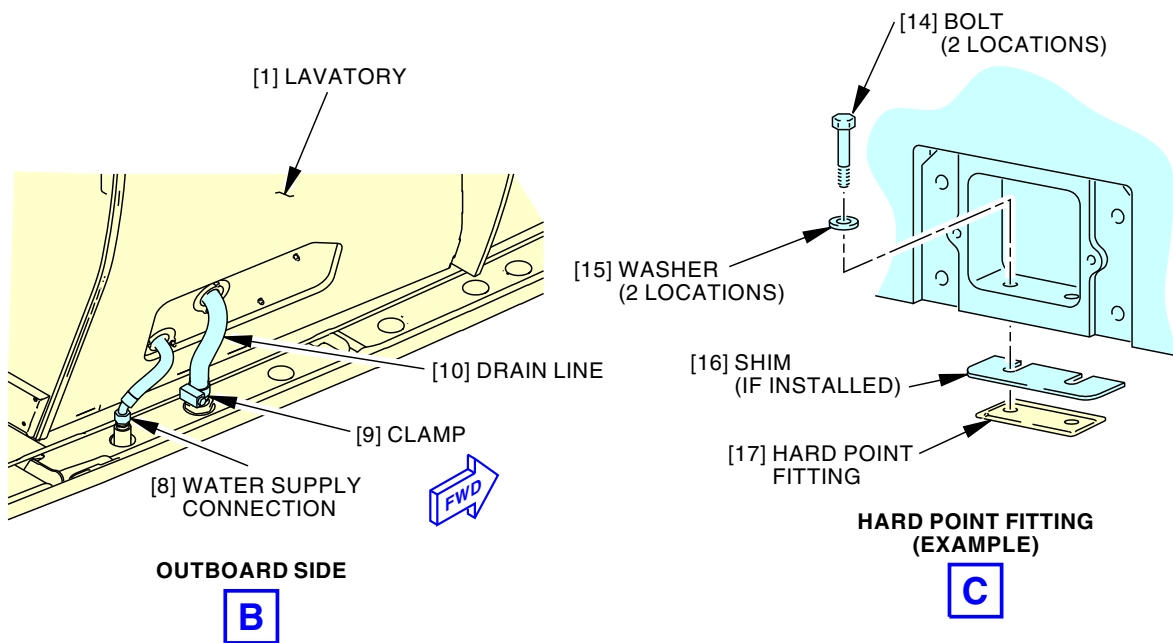
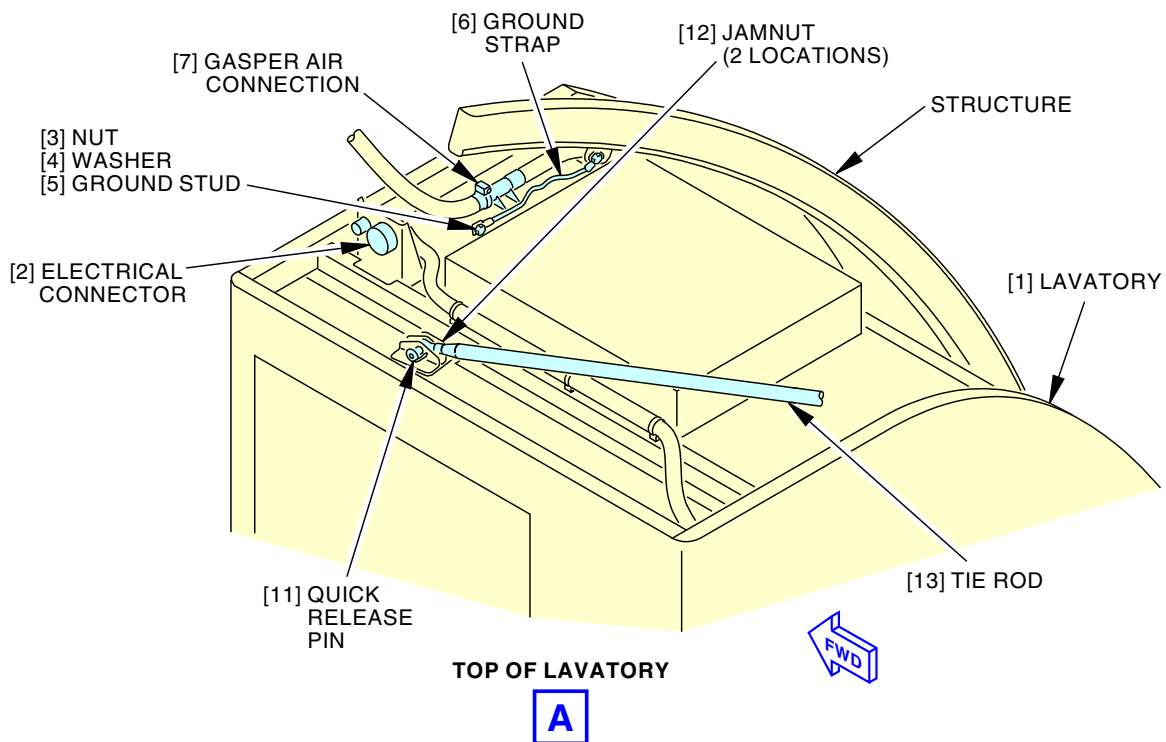
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Lavatory E Installation
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TASK 25-40-15-400-801

3. Lavatory E Installation

(Figure 401)

A. References

Reference	Title
23-31-00-740-801	Passenger Address System - Operational Test (P/B 501)
23-42-01-400-801	Attendant Handset Cradle Installation (P/B 401)
23-42-01-400-802	Attendant Handset Cord Installation (P/B 401)
23-42-01-400-803	Attendant Handset Installation (P/B 401)
23-42-01-700-802	Attendant Handset Installation Test (P/B 501)
25-21-24-400-801	Aft Door Doorway Header Panel Installation (P/B 401)
25-21-25-420-801	Aft Entry and Service Doorways Sidewall Lining Panel - Installation (P/B 401)
25-21-71-400-801	Lowered Ceiling Installation (P/B 401)
25-22-00-400-801	Passenger Seat Installation (P/B 401)
25-23-13-400-801	Attendant/Lavatory Service Unit Installation (P/B 401)
25-25-12-400-801	Cabin Attendant Seat Installation (P/B 401)
25-40-01-400-801	Lavatory Sealant - Installation (P/B 401)
26-14-00-730-801	Lavatory Smoke Detection - Smoke Test (P/B 501)
26-14-01-400-801	Lavatory Smoke Detector Installation (P/B 401)
33-20-00-710-801	Passenger Compartment Lights - Operational Test (P/B 501)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
38-10-00-600-801	Potable Water System Disinfectant (P/B 201)
38-32-00-420-801	Toilet Activation (P/B 201)
38-32-00-700-802	Toilet - Operational Test (P/B 501)
38-32-01-400-801	Toilet Shroud Installation (P/B 401)
38-32-01-400-802	Vacuum Toilet Assembly Installation (P/B 401)
38-42-00-800-801	Potable Water System - Deactivation (P/B 201)
38-42-00-800-802	Potable Water System - Activation (P/B 201)

B. Consumable Materials

Reference	Description	Specification
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796 Class III
G50327	Tape - Advanced Insulation Blanket (use until stock depleted)	BMS5-157 Type I Class 1 Grade B Composition MPVF
G50408	Foam - Flexible Polyvinylidene Fluoride	BMS8-371
G51202	Tape - Advanced Insulation Blanket	BMS5-157 Type I Class 1 Grade A Composition MPVF

C. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Lavatory	25-40-15-01-010	SIA 001-014

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(Continued)

AMM Item	Description	AIPC Reference	AIPC Effectivity
1 (cont.)		25-40-15-01-016	SIA 015-999

D. Location Zones

Zone	Area
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

E. Lavatory E Installation

SUBTASK 25-40-15-110-001

- (1) Clean the galley mat with solvent, B00083.

SUBTASK 25-40-15-350-001

- (2) Repair the galley mat if damage shows.

SUBTASK 25-40-15-420-001



REMOVE AND INSTALL THE LAVATORY CAREFULLY. YOU CAN CAUSE DAMAGE TO THE GALLEY MAT.

- (3) Carefully move the lavatory [1] inboard.

SUBTASK 25-40-15-420-002

- (4) Align the lavatory [1] on the four hard point fitting [17] until the lavatory floor is parallel with the airplane floor.

SUBTASK 25-40-15-420-003

- (5) Measure the clearance between the top of the four hard point fitting [17] and the bottom of the lavatory [1] fittings to make sure that the clearance is 0.01 in. (0.25 mm).
 - (a) Install the shims [16] on the outboard hard point fitting [17] if the clearance is not correct.
 - 1) At the forward outboard hard point fitting [17] the shim [16] maximum thickness is 0.06 in. (1.52 mm).
 - 2) At the aft outboard hard point fitting [17] the shim [16] maximum thickness is 0.10 in. (2.54 mm).
 - 3) Install shims [16] as necessary to get the correct clearance of 0.01 in. (0.25 mm).

SUBTASK 25-40-15-420-004

- (6) Install the fasteners to attach the lavatory [1] to the airplane structure.
 - (a) Apply compound, C00528 to the two bolts [14] and washers [15] for the four hard point fittings [17].
 - (b) Loosely install the two bolts [14] and washers [15] at the four hard point fittings [17].

NOTE: This will prevent the lavatory from movement. The bolts will be tightened correctly after connecting the lines and tie rod.

SUBTASK 25-40-15-420-012

- (7) Connect the water supply connection [8] to the lavatory [1].
 - (a) Get access through the access panel in the rear of the lavatory [1].
 - (b) Connect the water supply connection [8] to the lavatory [1] connection.

SUBTASK 25-40-15-420-013

- (8) Install the insulation foam on the water supply connection [8].

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- (a) Apply insulation foam, G50408 around the water supply connection [8].
 - 1) Start the insulation foam, G50408 overlap below the water supply connection [8].
 - 2) Continue to wrap the insulation foam, G50408 around the fitting with a 0.2 +0.3 / -0.0 in. (5.1 +7.6 / -0.0 mm) overlap for each turn.
 - 3) Complete the insulation foam, G50408 wrap 2.0 in. (50.8 mm) above the end of the fitting.
- NOTE: In areas where the fitting is bent to 90.0 degrees, small clearances between the insulation foam and the fitting are permitted. The insulation can be applied in segments.

SUBTASK 25-40-15-420-014

- (9) Install the insulation tape, G50327 or tape, G51202 to cover the insulation foam around the water supply connection [8].
 - (a) Apply insulation tape, G50327 or tape, G51202 around the insulation foam, G50408.
 - 1) Start the insulation tape, G50327 or tape, G51202 overlap before the insulation foam, G50408 begins.
 - 2) Continue to wind the insulation tape, G50327 or tape, G51202 around the insulation foam, G50408 with a 0.2 +0.3 / -0.0 in. (5.1 +7.6 / -0.0 mm) overlap for each turn. Stop after the insulation foam, G50408 ends.
 - 3) Make sure that the insulation tape, G50327 or tape, G51202 seals the ends of the insulation foam, G50408 completely.
 - 4) Make sure that the insulation foam under the insulation tape does not show.

SUBTASK 25-40-15-420-015

- (10) Connect the drain line [10] installed at the rear of the lavatory [1].
 - (a) Get access to the access panel on the rear of the lavatory [1].
 - (b) Connect the drain line [10] to the lavatory [1].
 - (c) Tighten the clamp [9] on the drain line [10].

SUBTASK 25-40-15-820-001

- (11) Connect the tie rod [13] to the lavatory [1] and the airplane structure.
 - (a) Adjust the tie rod [13] to the correct length before installation.
 - 1) Make sure that the inspection hole at the two ends of the tie rod [13] are blocked and that the threads are visible in the inspection holes.
 - 2) Tighten the two jamnuts [12] finger tight.
 - (b) Install the two quick-release pins [11] to attach the tie rod [13] to the lavatory [1] and airplane structure.

SUBTASK 25-40-15-420-016

- (12) Connect the ground strap [6] to the ground studs [5] installed at the top of the lavatory [1].
 - (a) Install the nut [3] and washer [4] to connect the ground strap [6] to the ground stud [5] (2 locations).
 - (b) Do a resistance check of the static ground from the ground stud [5] on the lavatory [1] to the airplane ground stud.
 - (c) Make sure that the resistance is a maximum of 0.0025 Ohms.

SUBTASK 25-40-15-420-017

- (13) Connect the electrical connectors [2] on the top of the lavatory [1].

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SUBTASK 25-40-15-420-018

- (14) Connect the gasper air connection [7] to the connection on the top of the lavatory [1].

SUBTASK 25-40-15-420-019

- (15) Do these steps at the four hard point fittings [17] on the lavatory [1] floor.
 - (a) Torque the bolts [14] to 35 in-lb (4 N·m) on the four hard point fittings [17].
 - (b) Apply compound, C00528 to the four hard point fittings [17].
 - (c) Install the screws to attach the four cover plates on the four hard point fittings [17].

SUBTASK 25-40-15-390-002

- (16) Seal the lavatory floor and the four hard point fitting [17] (TASK 25-40-01-400-801).

SUBTASK 25-40-15-410-001

- (17) Install the vacuum toilet assembly and the toilet shroud, if applicable.
 - (a) Install the vacuum toilet assembly (TASK 38-32-01-400-802).
 - (b) Install the toilet shroud (TASK 38-32-01-400-801).

F. Put the Airplane Back to Its Usual Condition

SUBTASK 25-40-15-410-013

- (1) Install the necessary items removed from the lavatory [1]:
 - (a) Install the hose grommets.
 - (b) If applicable, install the lavatory door.

SUBTASK 25-40-15-790-003

- (2) Do the leak check of the lavatory water connections.
 - (a) Do this task: Potable Water System - Activation, TASK 38-42-00-800-802.
 - (b) Open the water faucets in the lavatory and let the water flow for 2 minutes.
 - (c) Close the water faucets.
 - (d) Keep the pressure for at least 5 minutes.
 - (e) Do a visual check to make sure that there are no leaks at the water connections.
 - (f) Do this task: Potable Water System - Deactivation, TASK 38-42-00-800-801.

SUBTASK 25-40-15-410-012

- (3) Install the remaining necessary items removed from the lavatory [1]:
 - (a) Close the access panels.
 - (b) Install the trim panels.

SUBTASK 25-40-15-670-002

- (4) Disinfect the potable water system (TASK 38-10-00-600-801).

SUBTASK 25-40-15-410-003

- (5) Install the floor proximity light assembly, if applicable (TASK 33-51-14-960-802).

SUBTASK 25-40-15-410-004

- (6) Install the attendant seat, if necessary (TASK 25-25-12-400-801).

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SUBTASK 25-40-15-010-012

- (7) Install the last row of passenger seats, if removed (TASK 25-22-00-400-801).

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SUBTASK 25-40-15-410-005

- (8) Install the aft entry and service doorways sidewall lining panel (TASK 25-21-25-420-801).

SUBTASK 25-40-15-410-006

- (9) Install the aft door doorway header panel (TASK 25-21-24-400-801).

SUBTASK 25-40-15-410-007

- (10) Install the lowered ceiling (TASK 25-21-71-400-801).

SUBTASK 25-40-15-410-008

- (11) Install the lavatory smoke detector (TASK 26-14-01-400-801).

SUBTASK 25-40-15-410-011

- (12) If necessary, install the equipment or furnishings that are attached to the lavatory.

SUBTASK 25-40-15-410-009

- (13) Install the attendant/lavatory service unit (TASK 25-23-13-400-801).

SUBTASK 25-40-15-410-010

- (14) Install the attendants handset, if applicable.
- (a) Install the attendant handset cradle (TASK 23-42-01-400-801).
 - (b) Install the attendant handset cord (TASK 23-42-01-400-802).
 - (c) Install the attendant handset (TASK 23-42-01-400-803).

SUBTASK 25-40-15-860-002

- (15) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	10	C01217	PASS CAB SIGNS LAV OCC SIGN
E	12	C01125	LAVATORY SMOKE
E	14	C01648	LAVATORY MIRROR LIGHT
F	15	C01096	LAVATORY WATER HEATER E

G. Lavatory E Installation Test

SUBTASK 25-40-15-440-001

- (1) Activate the toilet system (TASK 38-32-00-420-801).

SUBTASK 25-40-15-710-001

- (2) Do a smoke test of the lavatory smoke detection system (TASK 26-14-00-730-801).

SUBTASK 25-40-15-710-002

- (3) Do a test of the attendant handset (TASK 23-42-01-700-802).

SUBTASK 25-40-15-710-003

- (4) Do an operational test of the passenger address system (TASK 23-31-00-740-801).

SUBTASK 25-40-15-710-004

- (5) Do an operational test of the passenger compartment lights (TASK 33-20-00-710-801).

SUBTASK 25-40-15-710-005

- (6) Do an operational test of the toilet (TASK 38-32-00-700-802).

———— **END OF TASK** ————

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ESCAPE ROPES AND LIFE LINES - MAINTENANCE PRACTICES

1. General

- A. This procedure contains these tasks:
- (1) Flight Compartment Escape Rope Removal
 - (2) Flight Compartment Escape Rope Installation
 - (3) Flight Compartment Escape Rope Inspection
 - (4) Emergency Exit Door Life Line Removal
 - (5) Emergency Exit Door Life Line Installation
 - (6) Emergency Exit Door Life Line Check

TASK 25-61-10-000-801

2. Flight Compartment Escape Rope Removal

(Figure 201)

A. **General**

- (1) There are two escape ropes (lanyards) installed the flight compartment. The escape rope are installed in the forward ceiling above the captain and first officer's seat.

B. **Location Zones**

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

C. **Remove the Escape Rope**

SUBTASK 25-61-10-010-001

- (1) Use the latch to open the escape rope [1] door.

SUBTASK 25-61-10-020-001

- (2) Remove the escape rope [1] from the stowage compartment.
 - (a) Open the Velcro hook and loop strap.
 - (b) Pull the escape rope [1] from the stowage compartment.
 - (c) Remove the cotter pin [3].

NOTE: The escape rope anchor plate [5] is attached to the lanyard ring [2] at the end of the escape rope [1].

SUBTASK 25-61-10-020-002

- (3) Pull the anchor fitting [4] against the spring [6]. Disengage the anchor fitting [4] from the anchor plate [5].

———— **END OF TASK** ————

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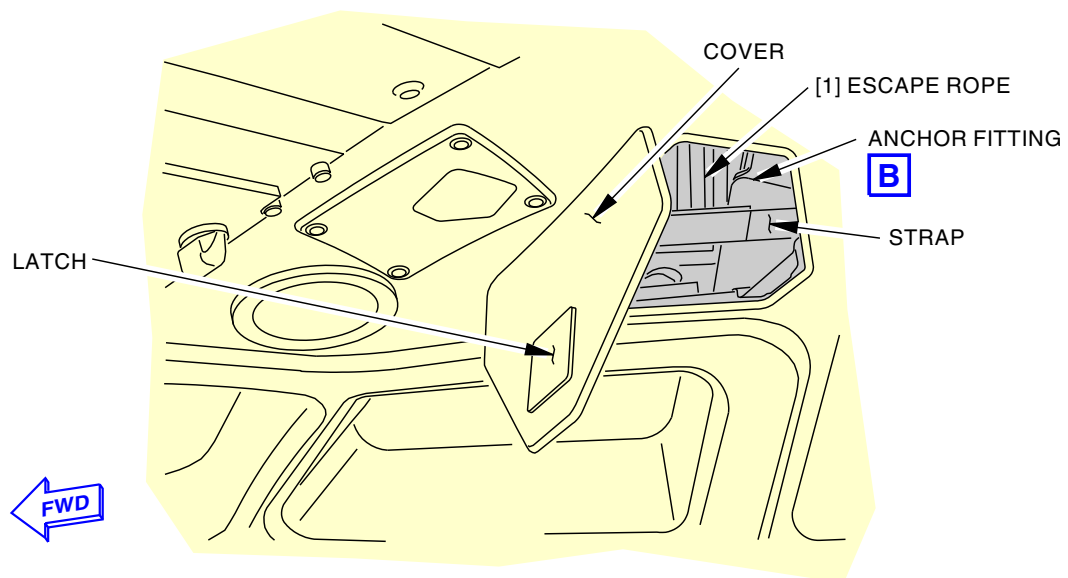
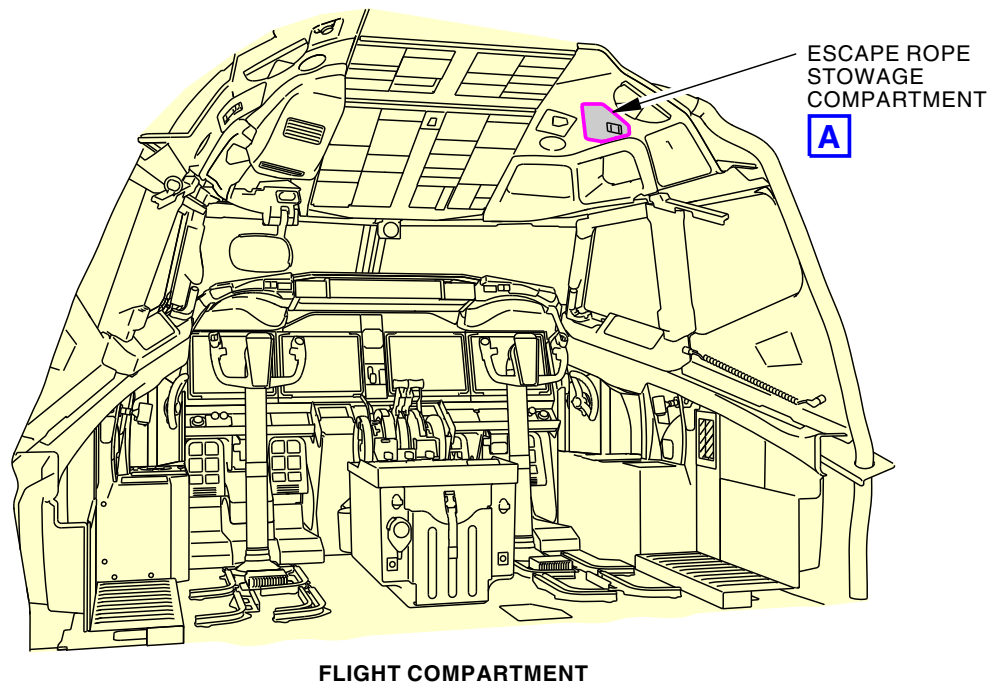
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ESCAPE ROPE STOWAGE COMPARTMENT
(RIGHT SIDE IS SHOWN, LEFT SIDE IS OPPOSITE)

A

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Escape Rope Installation
Figure 201/25-61-10-990-804 (Sheet 1 of 2)

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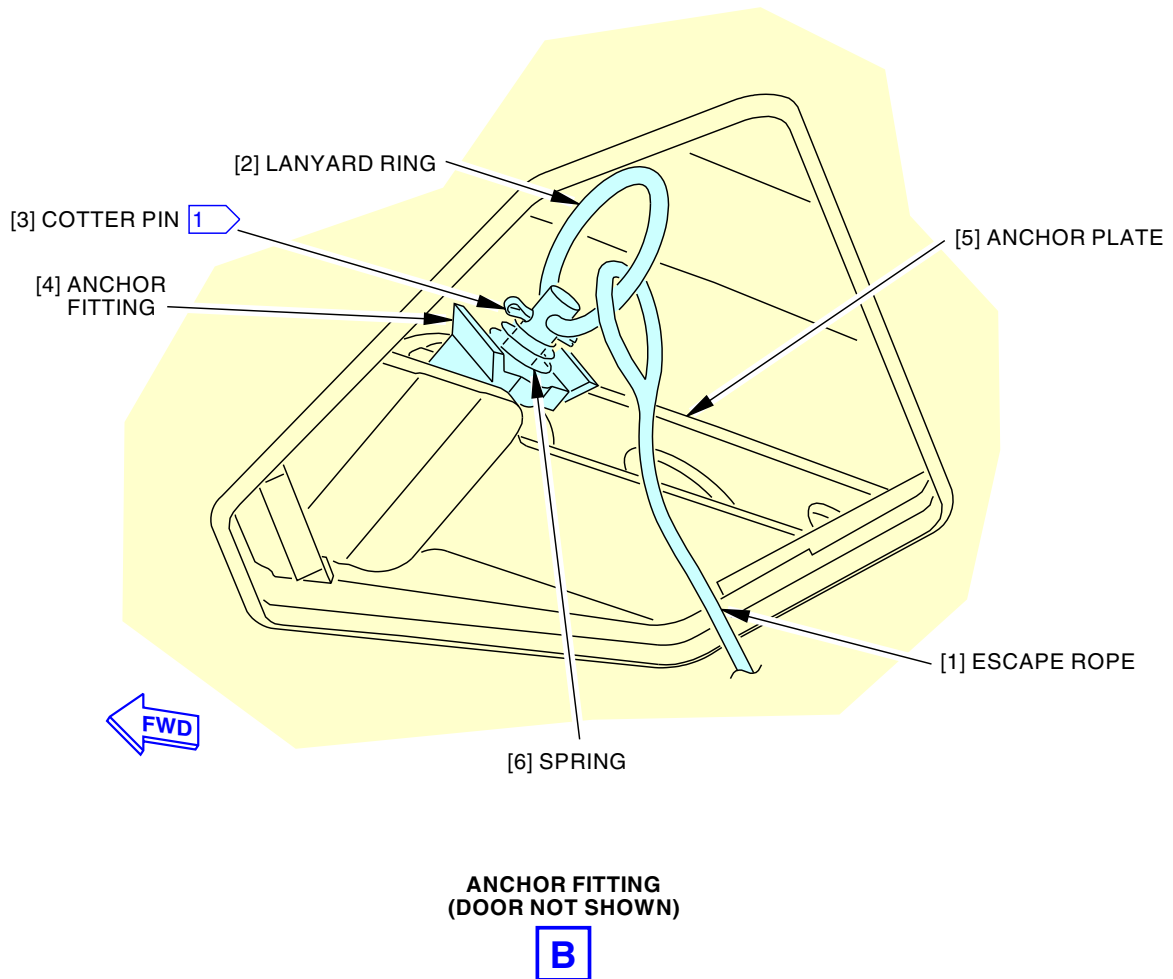
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- 1** INSTALL THE COTTER PIN WHEN THE LANYARD RING HAS A HOLE ON THE SHAFT NEAR THE SPRING.

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Escape Rope Installation
Figure 201/25-61-10-990-804 (Sheet 2 of 2)

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TASK 25-61-10-400-801

3. Flight Compartment Escape Rope Installation

(Figure 201)

A. General

- (1) There are two escape ropes (lanyards) installed the flight compartment. The escape ropes are installed in the forward ceiling above the captain and first officer's seat.

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Escape rope	25-61-10-01-010	SIA ALL
		25-61-10-01-055	SIA ALL

C. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Install the Escape Rope

SUBTASK 25-61-10-420-001

- (1) Install the anchor fitting [4] in the anchor plate [5].

SUBTASK 25-61-10-420-002

- (2) Make sure that the anchor fitting [4] is engaged correctly in the detent at the center of the anchor plate [5].

NOTE: The escape rope anchor plate [5] is attached to the lanyard ring [2] at the end of the escape rope [1].

- (a) Install the cotter pin [3].

NOTE: When the lanyard ring [2] has a hole on the shaft near the spring [6], a cotter pin [3] must be installed.

SUBTASK 25-61-10-410-002

- (3) Do a check of the escape rope [1] to see if it was used by personnel (TASK 25-61-10-210-801).

 WARNING	IF PERSONNEL USED THE ESCAPE ROPE, REPLACE IT. YOU CANNOT EXAMINE THE CORE FOR DAMAGE. IF YOU DO NOT REPLACE A USED ESCAPE ROPE, INJURIES TO PERSONS CAN OCCUR.

- (4) Replace the escape rope [1] if it was used by personnel.

SUBTASK 25-61-10-420-003

- (5) Install the escape rope [1].
- (a) Start at the fitting end of the escape rope [1].
 - (b) Wind the escape rope [1] in a coil.
 - (c) Keep approximately the last 4 in. (102 mm) of escape rope [1] out of the coil.
 - (d) Stop winding the escape rope [1] when the end of the rope is in the center of the coil.
 - (e) Use the Velcro hook and loop straps to hold the escape rope [1] in position.
 - (f) Put the free end of the escape rope [1] between the hook [9] and loop straps.

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- (g) Make sure that the captain and first officer can see the end of the escape rope [1] and that it is accessible.
- (h) Close and latch the cover.

————— **END OF TASK** —————

TASK 25-61-10-210-801

4. Flight Compartment Escape Rope Inspection

(Figure 201)

NOTE: This procedure is a scheduled maintenance task.

A. General

- (1) There are two escape (lanyards) installed the flight compartment. The escape ropes are installed in the forward ceiling above the captain and first officer's seat.
- (2) When the escape rope shows signs of damage or used, replace the escape rope.

B. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

C. Inspect the Escape Rope

SUBTASK 25-61-10-020-003

- (1) Remove the escape rope [1] (TASK 25-61-10-000-801).

SUBTASK 25-61-10-210-001

- (2) Make sure that the escape rope [1] was not used.
 - (a) Look at the aircraft records.
 - (b) Look for indications that the escape rope [1] was used.
 - (c) When indications show that the escape rope [1] was used, replace the escape rope [1].
 - 1) Do this task: Flight Compartment Escape Rope Removal, TASK 25-61-10-000-801.
 - 2) Do this task: Flight Compartment Escape Rope Installation, TASK 25-61-10-400-801.

SUBTASK 25-61-10-210-002

- (3) If the escape rope [1] was not replaced, check the two escape ropes [1] for damage.
 - (a) Make sure that the escape rope [1] is not wet or knotted.
 - (b) Make sure that the escape rope [1] does not show fraying or worn areas.

SUBTASK 25-61-10-210-003

- (4) Make sure the anchor plate [5] is not loose or shows signs of corrosion.
- (5) Make sure the anchor fitting [4] is not bent or shows signs of corrosion.

SUBTASK 25-61-10-210-004

- (6) Install the escape rope [1] (TASK 25-61-10-400-801).

————— **END OF TASK** —————

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TASK 25-61-10-000-802

5. Emergency Exit Door Life Line Removal

(Figure 202)

A. General

- (1) The emergency exit life line is also referred to as an escape strap.
- (2) The life line (escape straps) are stowed in a stowage tube that is installed above the right and left overwing emergency exit doors.

B. References

Reference	Title
25-21-20-000-801	Emergency Exit Doorway Lining Removal (P/B 401)

C. Location Zones

Zone	Area
833	Left Emergency Exit (STA 627.5)
843	Right Emergency Exit (STA 627.5)

D. Remove the Life Line

SUBTASK 25-61-10-010-002



WARNING

MAKE SURE THAT THE DOOR OPENING PATH IS CLEAR BEFORE YOU RELEASE THE DOOR HANDLE. THE DOOR IS SPRING-LOADED TO OPEN AUTOMATICALLY AND CAN CAUSE INJURY TO PERSONNEL OR DAMAGE TO EQUIPMENT.

- (1) Make sure that the area is clear of personnel and equipment before opening the emergency exit door.

SUBTASK 25-61-10-010-006

- (2) Open the emergency exit door.

SUBTASK 25-61-10-010-003

- (3) Open the cloth cover that holds the hook [9] and life line [8].

SUBTASK 25-61-10-020-004

- (4) Pull the life line [8] from the stowage tube [7].

SUBTASK 25-61-10-020-005

- (5) Remove the sidewall lining (TASK 25-21-20-000-801).

SUBTASK 25-61-10-020-006

- (6) Remove the nut [10], two washers [13], and bushing [11] that attach the life line [8] anchor [14] to the retainer [12].

SUBTASK 25-61-10-020-007

- (7) Remove the life line [8].

————— END OF TASK —————

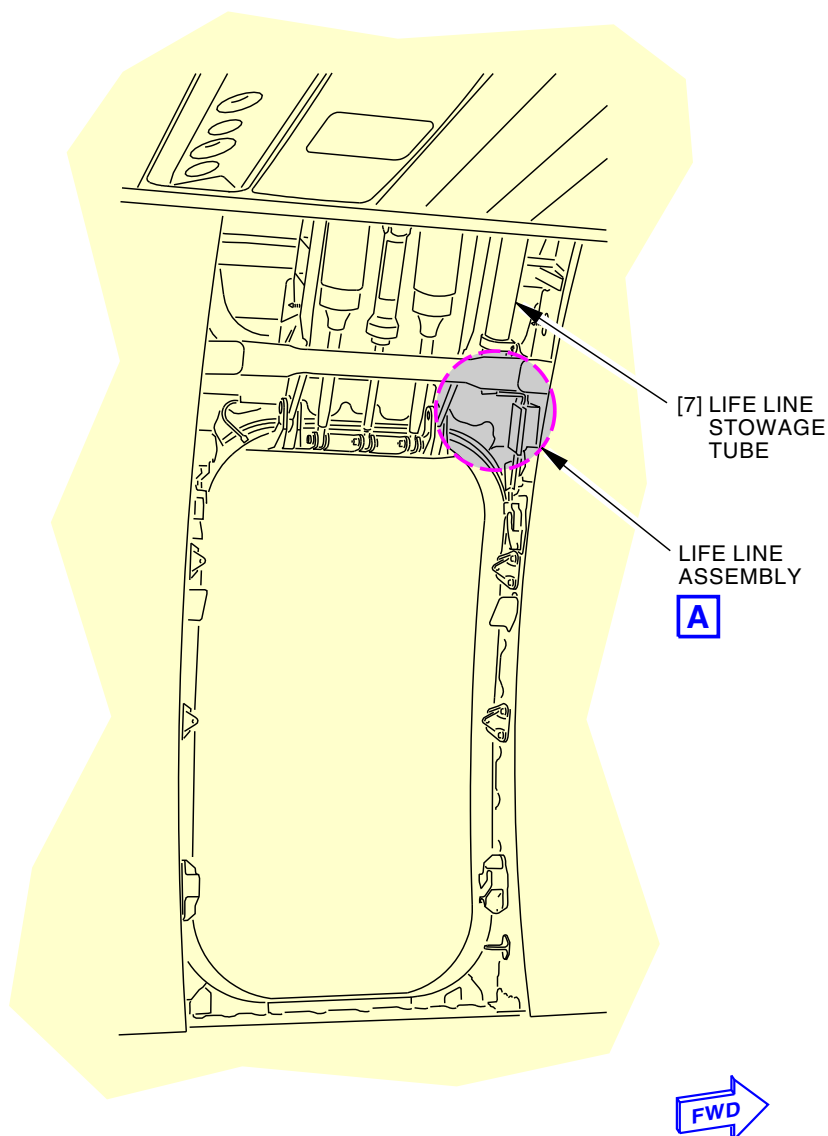
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**EMERGENCY EXIT DOOR
(DOOR SHOWN IN OPEN POSITION)
(DOOR LINER REMOVED)
(LEFT SIDE IS SHOWN, RIGHT SIDE IS OPPOSITE)**

2536160 S0000601458_V2

**Emergency Exit Door Life Line Installation
Figure 202/25-61-10-990-805 (Sheet 1 of 3)**

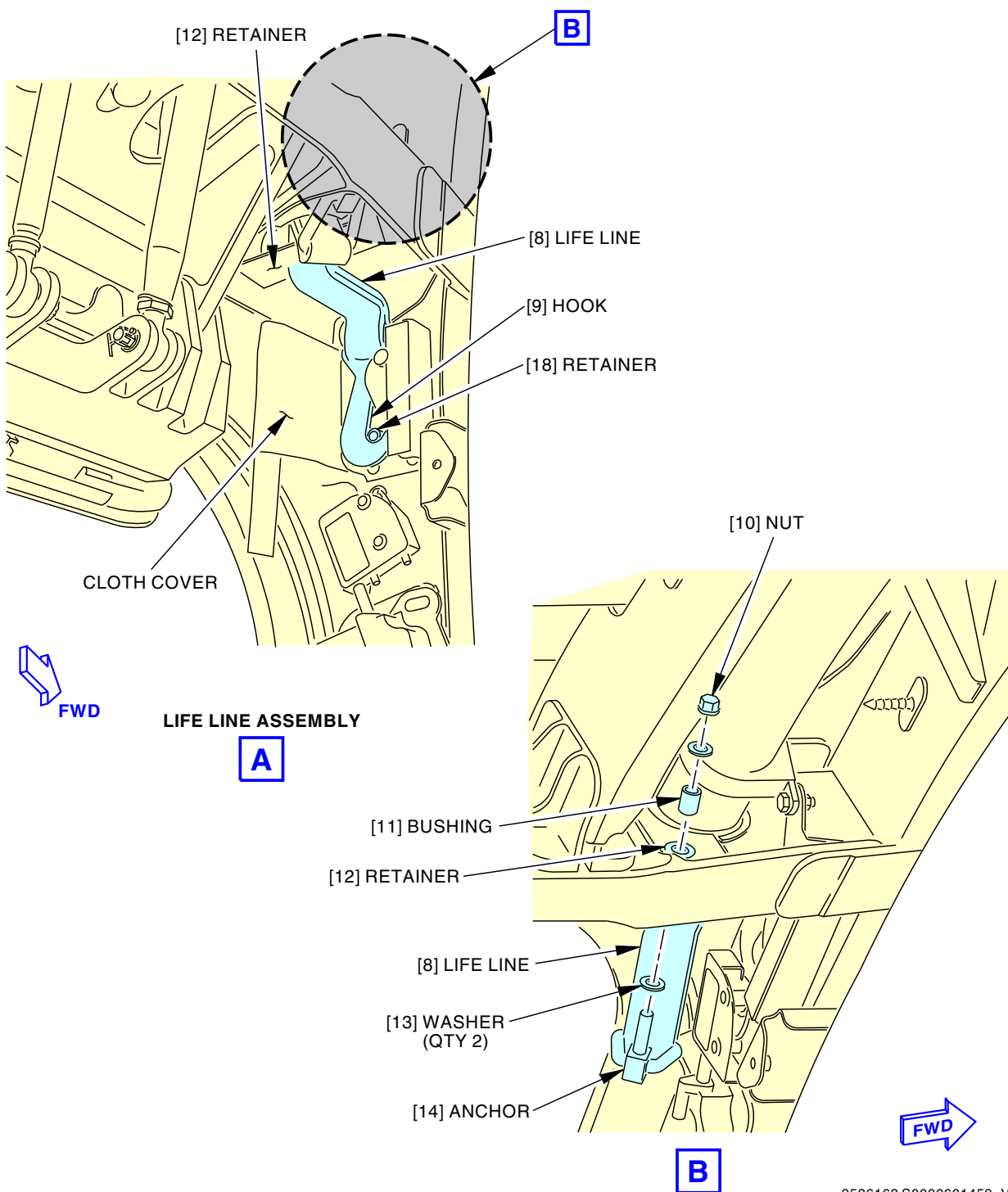
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2536163 S0000601459_V2

Emergency Exit Door Life Line Installation
Figure 202/25-61-10-990-805 (Sheet 2 of 3)

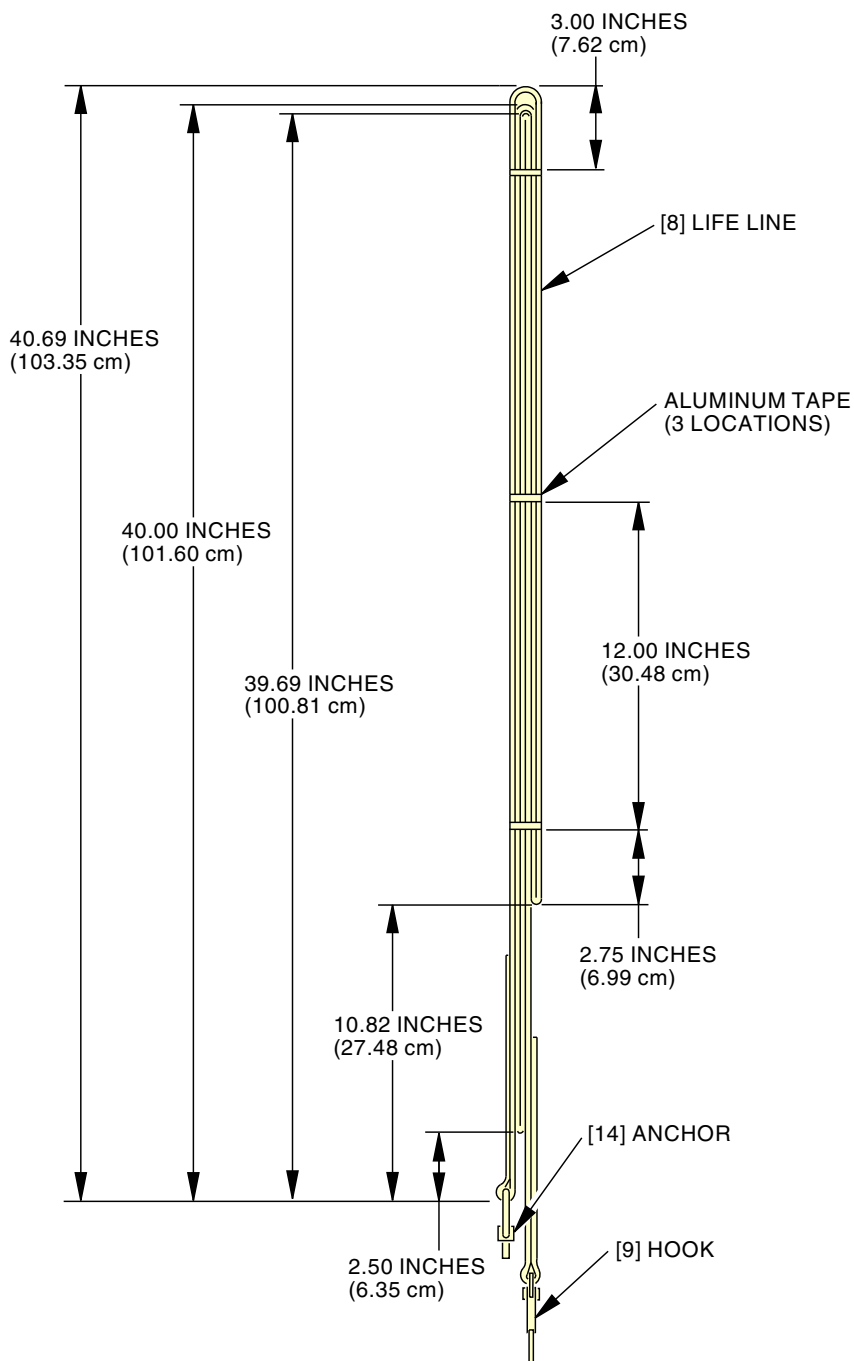
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Emergency Exit Door Life Line Installation
Figure 202/25-61-10-990-805 (Sheet 3 of 3)

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TASK 25-61-10-400-802

6. Emergency Exit Door Life Line Installation

(Figure 202)

A. References

Reference	Title
25-21-20-400-801	Emergency Exit Doorway Lining Installation (P/B 401)

B. Consumable Materials

Reference	Description	Specification
G00291	Tape - Aluminum Foil, 3M 425	AMS-T-23397 / L-T-80

C. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
8	Life line	25-61-10-03-205	SIA ALL
		25-61-10-03-210	SIA ALL

D. Location Zones

Zone	Area
833	Left Emergency Exit (STA 627.5)
843	Right Emergency Exit (STA 627.5)

E. Prepare to Install the Life Line

SUBTASK 25-61-10-420-004

- (1) Prepare the life line [8] to install in the stowage tube [7].
 - (a) Fold the life line [8].
 - (b) Use 3M 425 Aluminum Foil Tape, G00291, to secure the life line [8].
 - (c) Wrap the 3M 425 Aluminum Foil Tape, G00291, around the life line [8] a maximum of 1.5 times at the three locations (Sheet 3, Figure 202).
 - (d) Put the life line [8] in the stowage tube [7].

F. Install the Life Line

SUBTASK 25-61-10-420-005

- (1) Align the stowage tube [7] in the correct position.

SUBTASK 25-61-10-420-006

- (2) Install the two washers [13], bushing [11] and the nut [10] to attach the life line [8] anchor [14] to the retainer [12].

SUBTASK 25-61-10-420-007

- (3) Close the cloth cover.

SUBTASK 25-61-10-420-008

- (4) Install the sidewall lining (TASK 25-21-20-400-801).

SUBTASK 25-61-10-420-009

- (5) Close the emergency exit door.

————— END OF TASK —————

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TASK 25-61-10-710-801

7. Emergency Exit Door Life Line Inspection

(Figure 203)

NOTE: This procedure is a scheduled maintenance task.

A. General

- (1) The emergency exit life line is also referred to as an escape strap.
- (2) The life line (escape straps) are stowed in a stowage tube that is installed above the right and left overwing emergency exit doors.

B. Tools/Equipment

Reference	Description
STD-130	Brush - Soft-bristle Stainless Steel Wire

C. Consumable Materials

Reference	Description	Specification
D50080	Lubricant - Solid Film	SAE AS5272 Type1, MIL-PRF-46010
G00291	Tape - Aluminum Foil, 3M 425	AMS-T-23397 / L-T-80
G51031 [C10-105]	Abrasive - 120 Grit, Aluminum Oxide, Sandpaper Roll	

D. Location Zones

Zone	Area
833	Left Emergency Exit (STA 627.5)
843	Right Emergency Exit (STA 627.5)

E. Examine the Life Line

SUBTASK 25-61-10-710-002



WARNING

MAKE SURE THAT THE DOOR OPENING PATH IS CLEAR BEFORE YOU RELEASE THE DOOR HANDLE. THE DOOR IS SPRING-LOADED TO OPEN AUTOMATICALLY AND CAN CAUSE INJURY TO PERSONNEL OR DAMAGE TO EQUIPMENT.

- (1) Make sure that the area is clear of personnel and equipment before opening the emergency exit door.

SUBTASK 25-61-10-010-004

- (2) Open the emergency exit door.

SUBTASK 25-61-10-010-005

- (3) Open the cloth cover that holds the hook [9] and life line [8].

SUBTASK 25-61-10-020-008

- (4) Pull the hook [9] end of the life line [8] out over the wing to the wing hook [9] fitting.

SUBTASK 25-61-10-710-001

- (5) Make sure that the life line [8] attaches to the fitting on the wing correctly.

SUBTASK 25-61-10-210-005

- (6) Examine the condition of the life line [8].
 - (a) Make sure that the life line [8] does not show worn areas.
 - (b) Make sure that the life line [8] does not show signs of moisture.

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- (c) Make sure that the anchor [14] is not loose and does not show signs of corrosion or damage.

SUBTASK 25-61-10-210-006

- (7) Examine the condition of the hook [9] assembly.

- (a) If the hook [9] is bent, replace the life line [8].

NOTE: It is recommended that the emergency hook [9] assemblies are cadmium plated for improved wear resistance.

- (b) Make sure that the hook [9] assembly operates correctly.

- 1) The spring keeper snap hook [16] on the hook [9] assembly must open smoothly.
 - 2) The spring [17] must close the spring keeper snap hook [16].

- (c) Make sure that the hook [9] assembly does not show signs of corrosion.

- 1) Remove corrosion from the hook [9].
 - 2) Remove corrosion from the spring [17].
 - 3) Remove corrosion from the spring keeper snap hook [16].
 - 4) Remove minor corrosion.

- a) Use a soft-bristle stainless steel wire brush, STD-130, or sandpaper, G51031 [C10-105].

- (d) Add the protection to the hook [9] assembly with dry film lubricant.

- 1) Apply solid film lubricant, D50080, or equivalent heat cured dry film lubricant to the hook [9] assembly.

NOTE: Use an Everlube lubricant, if possible in a clear color. The solid film lubricant, D50080, looks similar to corrosion.

- (e) Replace the life line [8] when corrosion prevents the hook [9] assembly from correct operation.

- (f) When the spring [17] is missing or the keeper snap hook [15] is defective, replace the life line [8].

SUBTASK 25-61-10-420-010

- (8) Prepare the life line [8] to install in the stowage tube [7].

- (a) Fold the life line [8].
 - (b) Use 3M 425 Aluminum Foil Tape, G00291, to secure the life line [8].
 - (c) Wrap 3M 425 Aluminum Foil Tape, G00291, around the life line [8] a maximum of 1.5 times at the three locations (Sheet 3, Figure 202).
 - (d) Put the life line [8] in the stowage tube [7].

SUBTASK 25-61-10-420-011

- (9) Put the hook [9] into the retained [18] and close the cloth cover.

SUBTASK 25-61-10-420-012

- (10) Close and latch the emergency exit door.

————— **END OF TASK** —————

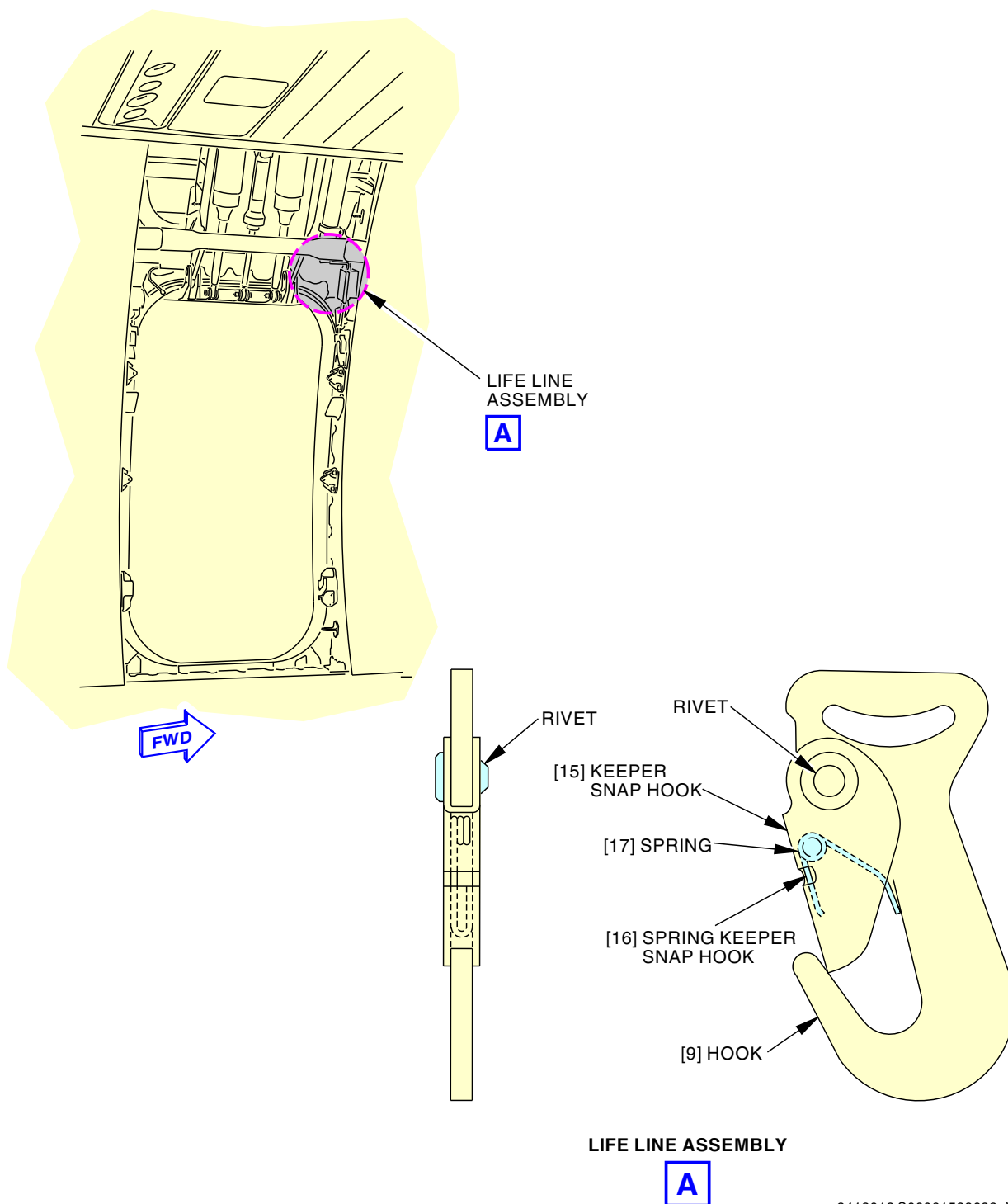
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Emergency Exit Door Life Line Inspection
Figure 203/25-61-10-990-803

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DOOR WARNING STRAP REEL - REMOVAL/INSTALLATION

1. **General**

A. This procedure has these two tasks:

- (1) A removal of the door warning strap reel
- (2) An installation of the door warning strap reel.

TASK 25-61-13-000-801

2. **Door Warning Strap Reel Removal**

(Figure 401)

A. **General**

- (1) The door warning strap reels are installed on the airplane doorways. The door warning strap is connected to the opposite side of the entry door during maintenance. The straps do not keep a person from falling through the doorway.

B. **References**

Reference	Title
25-21-31-420-801	Forward Entry Doorway Sidewall Lining Panel - Removal (P/B 401)
25-21-35-020-801	Forward Galley Doorway Sidewall Lining Panel - Removal (P/B 401)
25-31-11-000-801	Galley No. 1 - Removal (P/B 401)
25-31-41-000-801	Galley G4 Removal (P/B 401)

C. **Location Zones**

Zone	Area
200	Upper Half of Fuselage

D. **Prepare for Removal**

SUBTASK 25-61-13-000-002

- (1) If it is necessary, remove galley No. 1 (TASK 25-31-11-000-801).

SUBTASK 25-61-13-000-003

- (2) If it is necessary, remove galley No. 4 (TASK 25-31-41-000-801).

SUBTASK 25-61-13-020-001

- (3) Remove the necessary doorway sidewall lining panels to get access to the door warning strap reel [1] (TASK 25-21-31-420-801 or TASK 25-21-35-020-801).

E. **Door Warning Strap Reel Removal**

SUBTASK 25-61-13-000-004

- (1) Slide the door warning strap [3] through the retainer [4] slit installed on the door structure.

SUBTASK 25-61-13-000-005

- (2) Remove the four screws [2] that attach the door warning strap reel [1] to the doorway structure.

SUBTASK 25-61-13-000-006

- (3) Remove the door warning strap reel [1].

————— **END OF TASK** —————

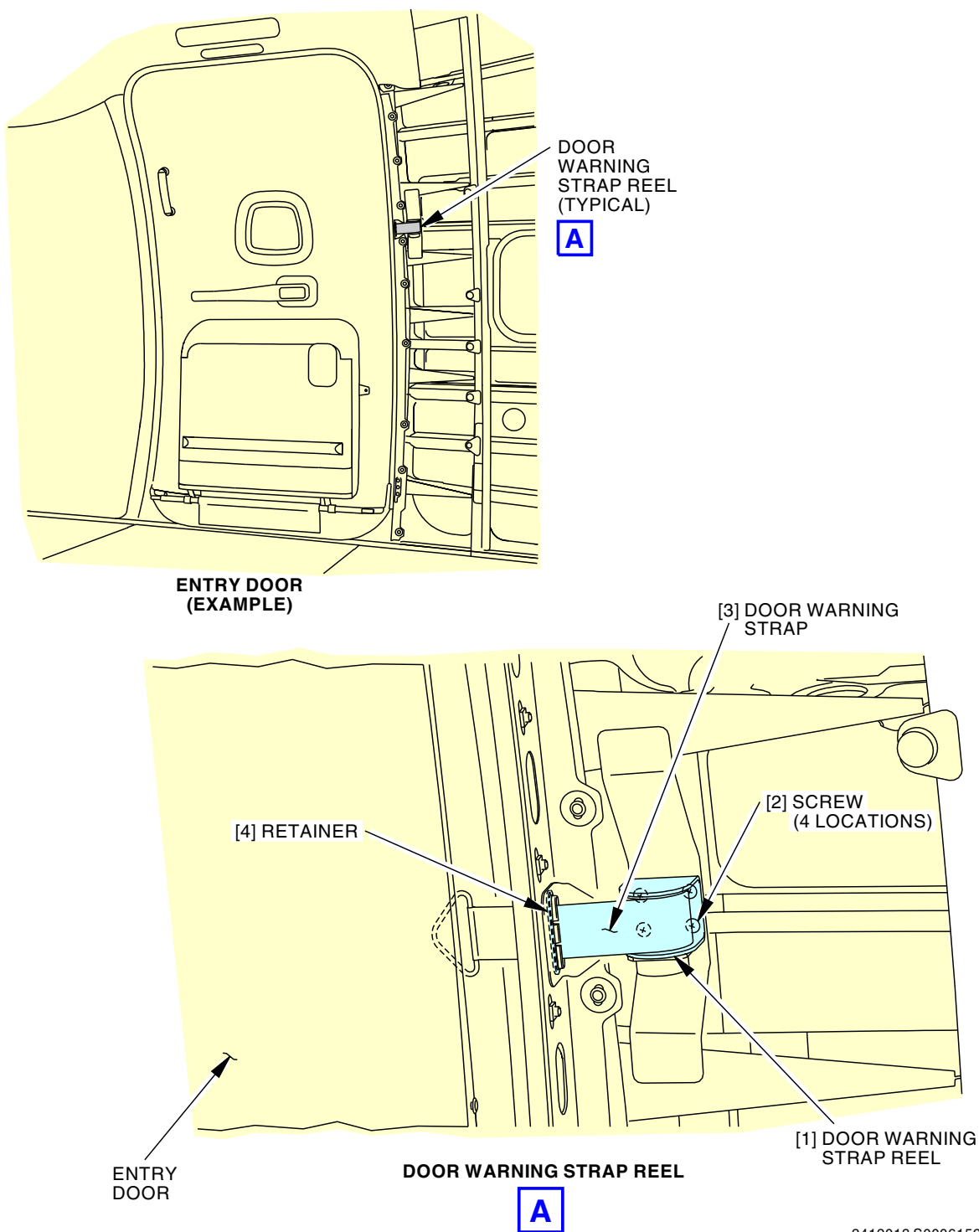
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Door Warning Strap Reel Installation
Figure 401/25-61-13-990-802

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TASK 25-61-13-400-801

3. **Door Warning Strap Reel Installation**

(Figure 401)

A. References

Reference	Title
25-21-31-420-802	Forward Entry Doorway Sidewall Lining Panel - Installation (P/B 401)
25-21-35-420-801	Forward Galley Doorway Sidewall Lining Panel - Installation (P/B 401)
25-31-11-400-801	Galley No. 1 - Installation (P/B 401)
25-31-41-400-801	Galley G4 Installation (P/B 401)

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Door warning strap reel	25-66-10-03-025	SIA ALL
		25-66-10-03-030	SIA ALL

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Door Warning Strap Reel Installation

SUBTASK 25-61-13-400-001

- (1) Align the door warning strap reel [1] in the correct position on the doorway structure.

NOTE: The spring housing direction is up for the LH FWD and AFT doorways. The spring housing direction is down for the RH FWD and AFT doorways.

SUBTASK 25-61-13-400-002

- (2) Slide the door warning strap [3] through the slit on the retainer [4] installed on the doorway structure.

SUBTASK 25-61-13-400-003

- (3) Install the four screws [2] to attach the door warning strap reel [1] to the doorway structure.

E. Put the Airplane Back to Its Usual Condition

SUBTASK 25-61-13-420-001

- (1) Install the doorway sidewall lining panels (TASK 25-21-31-420-802 or TASK 25-21-35-420-801).

SUBTASK 25-61-13-400-005

- (2) If it is removed, install galley No. 1 (TASK 25-31-11-400-801).

SUBTASK 25-61-13-400-006

- (3) If it is removed, install galley No. 4 (TASK 25-31-41-400-801).

F. Door Warning Strap Reel Installation Test

SUBTASK 25-61-13-710-001

- (1) Pull the door warning strap [3] from the door warning strap reel [1].
(a) Attach the door warning strap [3] to the fitting on the opposite side of the door frame.

SUBTASK 25-61-13-710-002

- (2) Unhook the door warning strap [3] from the fitting.

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SUBTASK 25-61-13-710-003

- (3) Make sure that the door warning strap [3] retracts back into the door warning strap reel [1].

———— **END OF TASK** ————

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EMERGENCY EVACUATION SIGNAL SYSTEM - MAINTENANCE PRACTICES

1. General

- A. This procedure has these task:
- (1) Emergency Evacuation Signal System - Deactivation
 - (2) Emergency Evacuation Signal System - Activation

TASK 25-63-00-040-801

2. Emergency Evacuation Signal System - Deactivation

A. **General**

- (1) This task will deactivate the Emergency Evacuation Signal System.

B. **Location Zones**

<u>Zone</u>	<u>Area</u>
200	Upper Half of Fuselage

C. **Procedure**

SUBTASK 25-63-00-020-001

- (1) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	9	C00073	PASSENGER CABIN CREW CALL

F/O Electrical System Panel, P6-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	2	C01091	EMERGENCY EVAC SIGNAL
D	18	C00451	LANDING GEAR AURAL WARN

D. **Emergency Evacuation Signal System - Tryout**

NOTE: This tryout is to make sure that the emergency evacuation signal system is in a zero energy state.

SUBTASK 25-63-00-420-001

- (1) Set the COMMAND switch on the flight compartment EES panel to the ON or ARM position.
 - (a) Make sure all horns stay off.
 - (b) Make sure all EVAC lights stay off.

———— **END OF TASK** ————

TASK 25-63-00-440-801

3. Emergency Evacuation Signal System - Activation

A. **General**

- (1) This task will activate the Emergency Evacuation Signal System.

B. **Location Zones**

<u>Zone</u>	<u>Area</u>
200	Upper Half of Fuselage

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C. Procedure

SUBTASK 25-63-00-420-002

- (1) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	9	C00073	PASSENGER CABIN CREW CALL

F/O Electrical System Panel, P6-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	2	C01091	EMERGENCY EVAC SIGNAL
D	18	C00451	LANDING GEAR AURAL WARN

SUBTASK 25-63-00-420-003

- (2) Set the COMMAND switch on the flight compartment EES panel to the ON or ARM position.
- (a) Make sure all horns come on.
 - (b) Make sure all EVAC lights come on.

SUBTASK 25-63-00-020-002

- (3) Set the COMMAND switch on the flight compartment EES panel to the OFF position.

————— **END OF TASK** —————

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EMERGENCY EVACUATION SIGNAL SYSTEM - ADJUSTMENT/TEST

1. **General**

- A. This procedure contains scheduled maintenance task data.
- B. This procedure has this task for the Emergency Evacuation Signal (EES) System:
 - (1) Emergency Evacuation Signal system Operational Test
- C. This system is used by the flight crew to start an alarm signal for emergency evacuation procedures.

TASK 25-63-03-700-801

2. **Emergency Evacuation Signal System Operational Test**

NOTE: This procedure is a scheduled maintenance task.

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-63-03-860-001

- (1) Make sure that these circuit breakers are closed:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	9	C00073	PASSENGER CABIN CREW CALL

F/O Electrical System Panel, P6-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	2	C01091	EMERGENCY EVAC SIGNAL
D	18	C00451	LANDING GEAR AURAL WARN

SUBTASK 25-63-03-710-001

- (2) Set the COMMAND switch on the flight compartment EES panel to the ON position.
 - (a) Make sure that the horn on the flight compartment EES panel and all the passenger compartment EES panel horns operate.
 - (b) Make sure that all HORN SHUTOFF switch light comes on at the G5 galley panel.
 - (c) Push the HORN SHUTOFF switch on the flight compartment EES panel.
 - (d) Make sure that the horn stops and the EVAC light on the flight compartment EES panel is flashing.
 - (e) Make sure that all horns in the passenger compartment stay on and all EVAC lights stay on.
 - (f) Do these steps at each passenger compartment EES panel that has a HORN SHUTOFF switch:
 - 1) Push the HORN SHUTOFF switch
 - 2) Make sure that the horn stops for that EES panel and all EVAC lights stay on in the passenger compartment and all other horns in the passenger compartment stay on.

NOTE: For a passenger compartment EES panel that does not have a HORN SHUTOFF switch, the horn will continue to sound for that EES panel until the system is reset.

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SUBTASK 25-63-03-860-002

- (3) Set the COMMAND switch on the flight compartment EES panel to the ARM position.
 - (a) Make sure that all horns are off and all EVAC lights are OFF.
 - (b) Do these steps at each passenger compartment EES panel that has a COMMAND button:
 - 1) Push the COMMAND button
 - 2) Make sure that the COMMAND button light on that EES panel comes on
 - 3) Make sure that all horns operate and all HORN SHUTOFF switch lights are on at the G5 Galley Panel
 - 4) Make sure that all EVAC lights are on
 - 5) Push the COMMAND button again
 - 6) Make sure that all horns stop and all EVAC lights go off.

SUBTASK 25-63-03-860-003

- (4) Set the COMMAND switch on the flight compartment EES panel to the OFF position.
 - (a) Make sure all horns stay off.
 - (b) Make sure all EVAC lights stay OFF.

SUBTASK 25-63-03-710-002

- (5) Do these steps at each passenger compartment EES panel that has a COMMAND button:
 - (a) Push the COMMAND button.
 - (b) Make sure that the COMMAND button light on that EES panel comes on.
 - (c) Make sure that the chime in the flight compartment operates briefly.
 - (d) Make sure that the EVAC light in the flight compartment EES panel is flashing.
 - (e) Make sure that all horns do not operate.
 - (f) Make sure that all EVAC lights on the passenger compartment EES panels stay off.
 - (g) Push the COMMAND button again.

SUBTASK 25-63-03-710-003

- (6) Set the COMMAND switch on the flight compartment EES panel to the pre-test ARM position.

————— **END OF TASK** —————

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DETACHABLE EMERGENCY EQUIPMENT - MAINTENANCE PRACTICES

1. General

A. This procedure has these tasks:

- (1) Life Jacket Restoration
- (2) Life Raft Restoration
- (3) Megaphone Operational Test
- (4) Megaphone Battery Replacement
- (5) Emergency Locator Transmitter Battery Replacement (If Installed)
- (6) Detachable Emergency Equipment Visual Check
- (7) Flashlight Check (With Flashing or Push to Test LED Indicator)
- (8) Flashlight Battery Replacement (With Flashing LED Indicator)
- (9) Smoke Hood (Protective Breathing Equipment) Inspection
- (10) Smoke Hood (Protective Breathing Equipment) Replacement
- (11) First Aid Kit Restoration
- (12) Medical Kit Restoration
- (13) Portable Oxygen Cylinder Replacement

B. This procedure contains tasks that are necessary to make the Automated Customized Task Cards. Most of the tasks in this procedure do not contain detailed instructions. Use the standard method of your airline to do these tasks.

TASK 25-64-00-900-801

2. Life Jacket Restoration

NOTE: This procedure is a scheduled maintenance task.

A. **Location Zones**

Zone	Area
200	Upper Half of Fuselage

B. **Life Jacket Restoration**

SUBTASK 25-64-00-900-001

- (1) Replace the life jackets.
 - (a) Use the standard method of your airline to replace the life jackets.

———— **END OF TASK** ————

TASK 25-64-00-900-809

3. Life Raft Restoration

NOTE: This procedure is a scheduled maintenance task.

A. **Location Zones**

Zone	Area
200	Upper Half of Fuselage

B. **Procedure**

SUBTASK 25-64-00-900-009

- (1) Do these steps to replace the life rafts:

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- (a) Use the standard method of your airline to replace the life rafts.

— END OF TASK —

TASK 25-64-00-710-801

4. Megaphone Operational Test

NOTE: This procedure is a scheduled maintenance task.

A. Consumable Materials

Reference	Description	Specification
B50073	Alcohol - Isopropyl	ASTM D 770

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Megaphone Operational Test

SUBTASK 25-64-00-020-001

- (1) Disconnect the clamp and remove the megaphone from the mounting bracket.

SUBTASK 25-64-00-710-001

- (2) Put the microphone near your mouth while you point the horn at the opposite end of the airplane.

SUBTASK 25-64-00-710-002

- (3) Pull the trigger while you count slowly in a clear voice.

SUBTASK 25-64-00-710-003

- (4) Make sure that your voice can be heard clearly by another person at the opposite end of the airplane.

SUBTASK 25-64-00-710-004

- (5) If the voice output is weak, do these steps:
- (a) Do this task: Megaphone Battery Replacement, TASK 25-64-00-900-803.
 - (b) Do the operational test above again.
 - (c) If the voice output remains weak, replace the megaphone.

SUBTASK 25-64-00-710-005

- (6) If you have a megaphone type that has a long lanyard and siren, do the steps that follow to examine the megaphone siren (optional):

NOTE: The megaphone may have a long lanyard with an alarm plug which operates as an anti-theft alarm.

- (a) Remove the alarm plug pin to start the siren automatically.
- 1) If the alarm is of usual amplitude and sound, the megaphone is operating correctly.
 - a) Install the alarm pin to stop the siren when you release the handle.
 - 2) If the sound output from siren is low, do these steps:
 - a) Do this task: Megaphone Battery Replacement, TASK 25-64-00-900-803.
 - b) Do the operational test above again.
 - c) If new batteries do not help, do a check of the amplifier.
 - d) Do a check of the sound output.
 - e) If the sound remains low, replace the megaphone.

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- <1> Make sure that you put the alarm pin back and release the handle on the bad megaphone.
- 3) If the sound output from siren is abnormal, do these steps:
 - a) Do this task: Megaphone Battery Replacement, TASK 25-64-00-900-803.
 - b) Do a check of the siren circuitry.
 - <1> Replace the megaphone, if it is necessary.
 - <a> Make sure that you put the alarm pin back and release the handle on the bad megaphone.
- 4) If there is no sound output from siren, do these steps:
 - a) Remove the microphone, mouthpiece assembly, and batteries.
 - <1> Make sure that the microphone and battery contacts are clean.
 - <a> If it is necessary, use alcohol, B50073, and clean applicator to clean the contacts.
 - b) Install the microphone, mouthpiece assembly, and batteries that you removed.
 - c) Do a check of the sound output from siren.
 - <1> If there is no sound output from siren, replace the megaphone.
 - <a> Make sure that you put the alarm pin back and release the handle on the bad megaphone.

SUBTASK 25-64-00-420-001



WARNING

MAKE SURE THAT YOU ATTACH THE MEGAPHONE CORRECTLY OR THE MEGAPHONE CAN FALL OUT. IF YOU DO NOT OBEY, DAMAGE TO EQUIPMENT AND INJURY TO PERSONNEL CAN OCCUR.

- (7) Attach the megaphone to the mounting bracket with the clamp.
 - (a) If the megaphone has a pin, make sure that the pin is installed correctly.
 - (b) Make sure that the installation of the megaphone is correct and that the megaphone has a tight fit.

NOTE: The mounting bracket must attach to the opening of the megaphone. The clamps must close around the megaphone between the handle and the mouthpiece/microphone assembly.
 - (c) Replace the mounting bracket if it cannot hold the megaphone correctly.

————— END OF TASK —————

TASK 25-64-00-900-803

5. Megaphone Battery Replacement

NOTE: This procedure is a scheduled maintenance task.

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-64-00-900-003

- (1) Replace the batteries in the megaphones.

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- (a) Use the manufacturer's maintenance recommendations for the megaphone or the standard method of your airline to replace the batteries.

————— **END OF TASK** —————

TASK 25-64-00-900-804

6. Emergency Locator Transmitter Battery Replacement (If Installed)

A. Location Zones

Zone	Area

200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-64-00-900-004

- (1) Replace the batteries in the emergency locator transmitter.
 - (a) Use the standard method of your airline to replace the batteries.

————— **END OF TASK** —————

TASK 25-64-00-210-801

7. Detachable Emergency Equipment Visual Check

NOTE: This procedure is a scheduled maintenance task.

A. General

- (1) These task is for the visual check of the detachable emergency equipment.

B. Location Zones

Zone	Area

200	Upper Half of Fuselage

C. Detachable Emergency Equipment Visual Check

SUBTASK 25-64-00-210-001

- (1) Make sure that these emergency equipment are in the applicable passenger compartment locations and have no visible defects:
 - (a) Crash ax
 - (b) Defibrillator (if installed)
 - (c) Flashlights
 - (d) First Aid Kits
 - (e) Fire Extinguisher
 - (f) Fire Gloves
 - (g) Medical Kits
 - (h) Megaphones
 - (i) Portable Oxygen Cylinders (if installed)
 - (j) Protective Breathing Equipment (TASK 25-64-00-200-802)
 - (k) Seat Belt Extensions
 - (l) Smoke Goggles
 - (m) Life jacket

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SUBTASK 25-64-00-210-004

- (2) Make sure that these emergency equipment are in the flight compartment and have no visible defects:
 - (a) Crew life vests in the Captain and First Officers seat back pouch
 - (b) Crew life vest in the stowage compartment above the flight compartment closet
 - (c) Protective breathing equipment in the flight compartment closet
 - (d) Protective breathing equipment on the second observers seat stanchions
 - (e) Flashlights on the second observers seat stanchions.

————— END OF TASK —————

TASK 25-64-00-200-801

8. Flashlight Check (With Flashing or Push To Test - LED Indicator)

NOTE: This procedure is a scheduled maintenance task.

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Operational Test

SUBTASK 25-64-00-720-001

- (1) Do a check of the LED indicator:
 - (a) Make sure that the flashlight is correctly positioned in the mounting bracket.
 - (b) If the LED indicator is on the bracket:
 - 1) Push the PUSH-TO-TEST button momentarily and release.
 - 2) If the LED comes ON green, then the flashlight can stay in service.
 - 3) If the LED comes ON red, schedule the battery pack for replacement within three weeks.

NOTE: The battery pack will operate for approximately three weeks if the LED comes on red.

- 4) If the LED does not come ON, refer to the Table 201 to identify the problem.
 - (c) If the LED indicator is on the flashlight:
 - 1) If the LED flashes with an interval of less than 10 seconds, then the flashlight can stay in service.
 - 2) If the LED flashes with an interval of more than 10 seconds, then schedule the battery pack for replacement within 10 days.
- NOTE: The battery pack will operate for approximately 10 days if the LED flashes with an interval greater than 10 seconds.
- 3) If the LED does not flash, refer to the Table 201 to identify the problem.

SUBTASK 25-64-00-020-006

- (2) For a flashlight with tamper shield, remove and discard the tamper shield.

SUBTASK 25-64-00-020-007

- (3) Remove the flashlight from the mounting bracket.
 - (a) Make sure that the flashlight comes ON when the flashlight is removed from the mounting bracket.

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- (b) If the flashlight does not come ON, or it is weak, then refer to the Table 201 to identify the problem:

Table 201/25-64-00-993-804

Symptom	Probable	Corrective Action
The LED indicator does not operate correctly when the check of the LED indicator is performed.	The battery pack is depleted or has failed.	Remove the flashlight from the mounting bracket. If the flashlight does not come ON immediately, then remove and replace the battery pack. After the battery pack is replaced, make sure that the flashlight comes ON when the flashlight is not in the mounting bracket. Install the flashlight in the mounting bracket and perform the applicable check of the LED indicator.
	Electrical failure in the flashlight. ^{*[1]}	If the flashlight does not come ON after the battery pack is replaced, there is an electrical failure in the flashlight. Return the flashlight for repairs.
	Failure in the mounting bracket. ^{*[1]}	If the flashlight comes ON when removed from the mounting bracket, there may be a failure in the mounting bracket. Replace the mounting bracket, if necessary. Return the defective unit for repairs.
	Pogo contacts do not touch the flashlight.	While the flashlight is securely installed in the bracket, move the flashlight slightly in the left direction and the right direction. Make sure that the Pogo contacts touch the flashlight.
	Battery pack installed incorrectly (backwards).	Install the battery pack correctly.
The flashlight does not come ON when removed from the mounting bracket.	The battery pack is depleted or has failed.	Replace the battery pack. After the battery pack is replaced, make sure that the flashlight comes ON when the flashlight is not in the mounting bracket. Install the flashlight in the mounting bracket and perform the applicable check of the LED indicator.
	Electrical failure in the flashlight.	If the flashlight does not come ON after the battery pack is replaced, there is an electrical failure in the flashlight. Return the flashlight for repairs.

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Table 201/25-64-00-993-804 (Continued)

Symptom	Probable	Corrective Action
The flashlight does not go OFF when installed on the mounting bracket.	Failure in the mounting bracket or the flashlight.	If a second flashlight goes OFF when installed in the mounting bracket, then the electrical failure is in the flashlight. Replace the flashlight. If the flashlight does not go OFF when returned on the mounting bracket, then there may be a failure in the mounting bracket. Replace the mounting bracket.

*[1] The temperature inside the airplane has an impact on the internal resistance of the battery pack. Extreme cabin temperatures can make the LED indicator operate incorrectly. This type of condition is normal and is not viewed as a failure.

SUBTASK 25-64-00-420-006

(4) Install the flashlight on the mounting bracket.

SUBTASK 25-64-00-420-007

(5) If it is necessary, install a new tamper shield.

————— END OF TASK —————

TASK 25-64-00-900-805

9. Flashlight Battery Replacement (With Flashing or Push To Test - LED Indicator)

NOTE: This procedure is a scheduled maintenance task.

A. Location Zones

Zone	Area

200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-64-00-900-005

(1) Replace the batteries in the flashlights.

(a) Use the manufacturer's maintenance recommendations for the flashlight or the standard method of your airline to replace the batteries.

(2) Do this task: Flashlight Check (With Flashing or Push To Test - LED Indicator), TASK 25-64-00-200-801

————— END OF TASK —————

TASK 25-64-00-200-802

10. Smoke Hood (Protective Breathing Equipment) Inspection

NOTE: This procedure is a scheduled maintenance task.

A. Location Zones

Zone	Area

200	Upper Half of Fuselage

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B. Smoke Hood Inspection

SUBTASK 25-64-00-210-003

- (1) Use the applicable steps that follow to do an inspection of the smoke hoods:

NOTE: There are various shapes and sizes of smoke hoods. Most smoke hood containers have warning indicators that show when the smoke hood is no longer good for use.

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- (a) Do a visual check of the tamper tags to make sure they are not broken or ripped.

SIA ALL; AIRPLANES WITH SMOKE HOOD CONTAINERS WITH AN INDICATOR WINDOW



CAUTION

DO ONLY A VISUAL CHECK OF THE INDICATOR WINDOW ON THE CONTAINER. IF YOU OPEN THE CONTAINER, YOU CAN CAUSE DAMAGE TO THE SMOKE HOOD OR OTHER COMPONENTS.

- (b) Do a visual check of the indicator window on the container to make sure the smoke hood has not filled the window.

SIA ALL; AIRPLANES WITH SMOKE HOOD CONTAINERS WITH MOISTURE INDICATOR STRIPS

- (c) Do a visual check of the indicator window on the container to make sure the moisture indicator strip has not changed to pink.

NOTE: The color of the moisture indicator may change, but not to pink, and remain serviceable. If the color of the moisture indicator changes to gray or white, the unit is still serviceable.

SIA ALL; AIRPLANES WITH SMOKE HOOD CONTAINERS WITHOUT AN INDICATOR WINDOW

- (d) Feel the smoke hood to make sure it remains hard and solid.

NOTE: The smoke hood is vacuum packed. If the smoke hood feels soft, then the package has a leak.

SIA ALL

————— **END OF TASK** —————

TASK 25-64-00-900-806

11. Smoke Hood (Protective Breathing Equipment) Replacement

NOTE: This procedure is a scheduled maintenance task.

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-64-00-900-006

- (1) Replace the smoke hoods.
- (a) Use the standard method of your airline to replace the smoke hoods.

————— **END OF TASK** —————

TASK 25-64-00-900-807

12. First Aid Kit Restoration

NOTE: This procedure is a scheduled maintenance task.

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A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-64-00-900-007

- (1) Replace the first aid kit.
 - (a) Use the standard method of your airline to replace the first aid kit.

————— **END OF TASK** —————

TASK 25-64-00-900-808

13. Medical Kit Restoration

NOTE: This procedure is a scheduled maintenance task.

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-64-00-900-008

- (1) Replace the medical kit.
 - (a) Use the standard method of your airline to replace the medical kit.

————— **END OF TASK** —————

TASK 25-64-00-900-810

14. Portable Oxygen Cylinder Replacement

A. References

Reference	Title
35-31-01-960-801	Replace Portable Oxygen Cylinder (P/B 401)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-64-00-900-010

- (1) Replace the portable oxygen cylinder (TASK 35-31-01-960-801).
 - (a) Use the manufacturer's maintenance recommendations for the portable oxygen cylinder or the standard method of your airline to replace the portable oxygen cylinder.

————— **END OF TASK** —————

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DETACHABLE EMERGENCY LOCATOR TRANSMITTER - REMOVAL/INSTALLATION

1. **General**

A. This procedure has these tasks:

- (1) Detachable Emergency Locator Transmitter (ELT) removal
- (2) Detachable Emergency Locator Transmitter (ELT) installation.

TASK 25-64-00-000-801

2. **Detachable Emergency Locator Transmitter (ELT) - Removal**

(Figure 401)

NOTE: This procedure is a scheduled maintenance task.

A. General

- (1) This task is for the removal of the portable ELT [1].
- (2) The portable ELT [1] location may vary depending on your airplane configuration. The portable ELT [1] can be located in a overhead stowage bin, forward stowage cabinet, or the flight deck.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Prepare for the ELT Removal

SUBTASK 25-64-00-040-001

- (1) Make sure that the ARMED/ON/OFF toggle switch (if installed) is set to the OFF position.

D. Detachable ELT Removal

SUBTASK 25-64-00-020-005

- (1) Remove the ELT [1].
 - (a) Unfasten the strap that holds the ELT [1] to its support bracket.



WARNING

BE CAREFUL WHEN REMOVING THE ELT FROM THE SUPPORT BRACKET. THE WHIP ANTENNA HAS A TENDENCY TO SNAP/WHIP OUT WHEN THE VELCRO STRAP IS RELEASED. INJURY CAN OCCUR.

- (b) Remove the ELT [1] from its support bracket.

———— **END OF TASK** ————

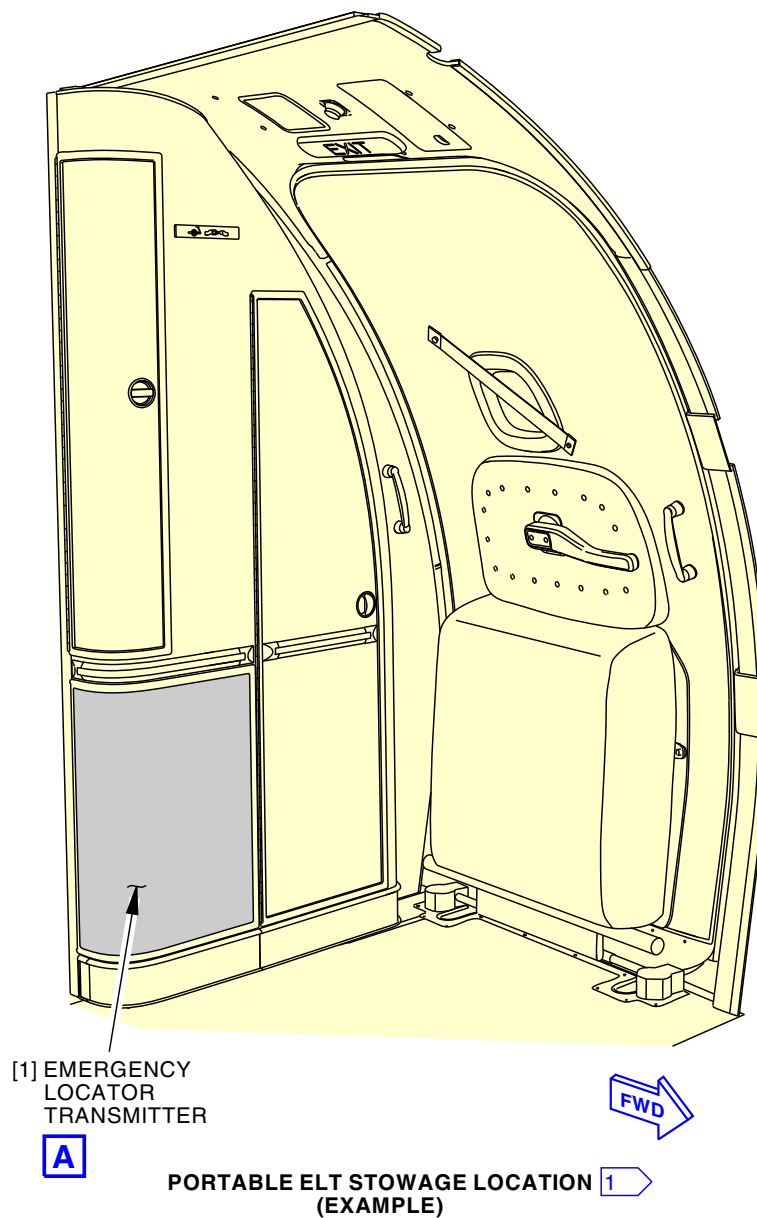
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NOTE:

1 OTHER ELT STOWAGE LOCATIONS PER REQUIREMENTS.

2566740 S0000612371_V3

Detachable Emergency Locator Transmitter Installation
Figure 401/25-64-00-990-801 (Sheet 1 of 5)

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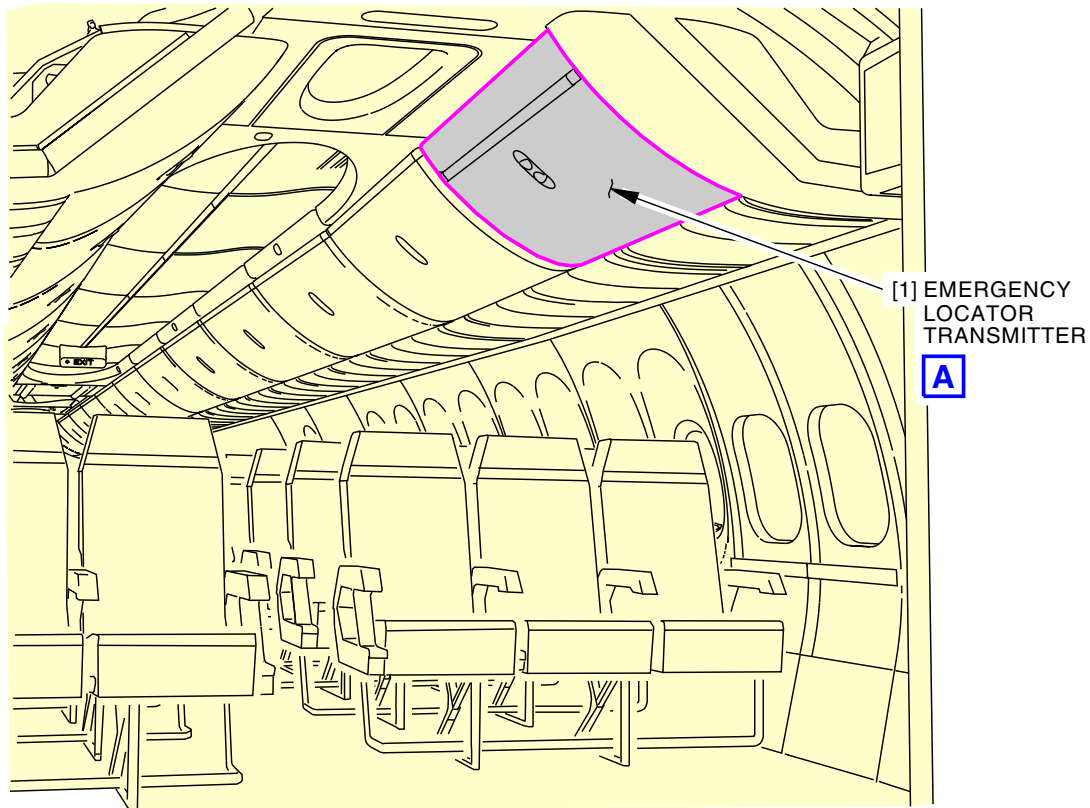
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PORTABLE ELT LOCATION
(OVERHEAD STOWAGE BIN)
(EXAMPLE)

2566742 S0000612372_V3

Detachable Emergency Locator Transmitter Installation
Figure 401/25-64-00-990-801 (Sheet 2 of 5)

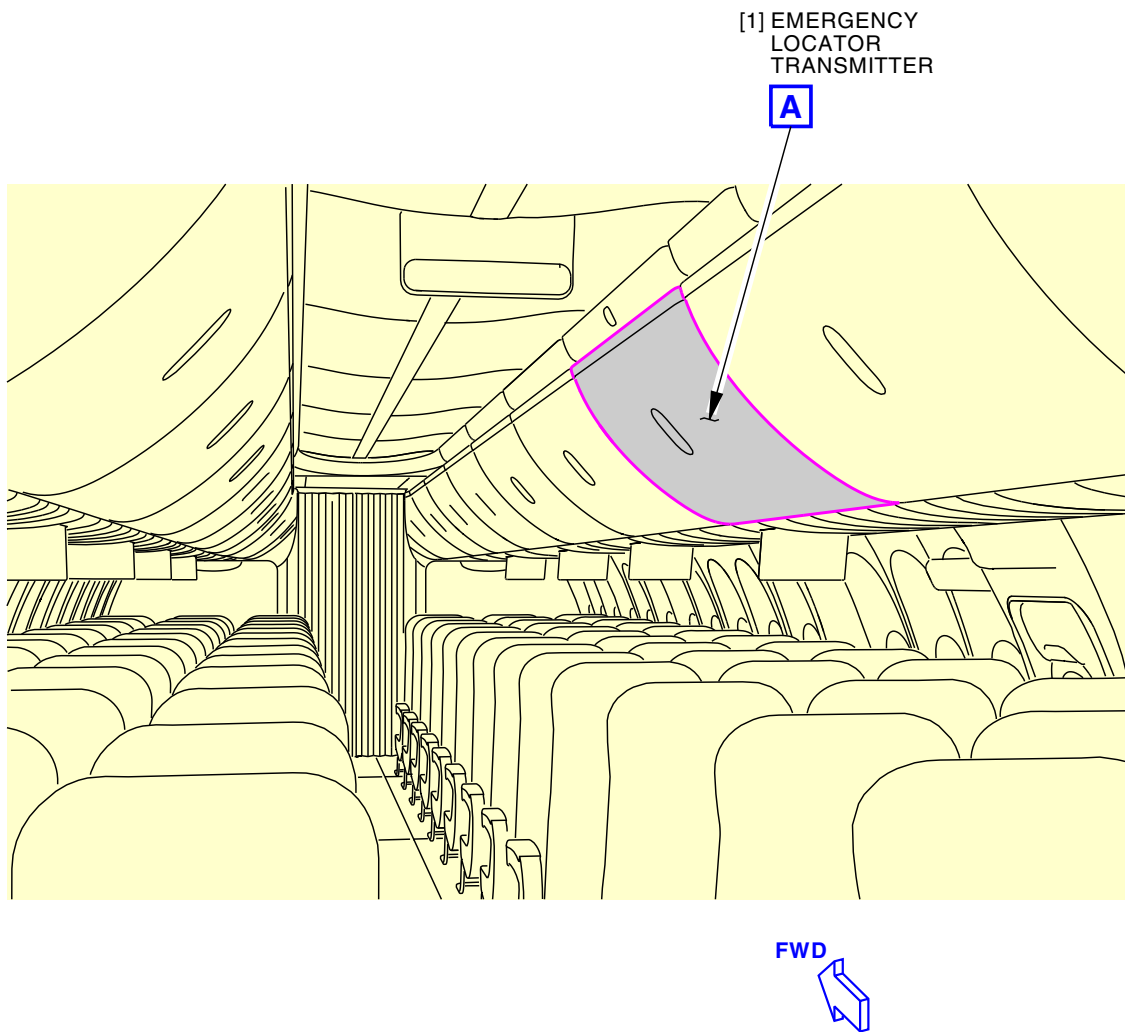
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PORTABLE ELT LOCATION
(OVERHEAD STOWAGE BIN)
(EXAMPLE)

1

2815200 S0000645481_V2

Detachable Emergency Locator Transmitter Installation
Figure 401/25-64-00-990-801 (Sheet 3 of 5)

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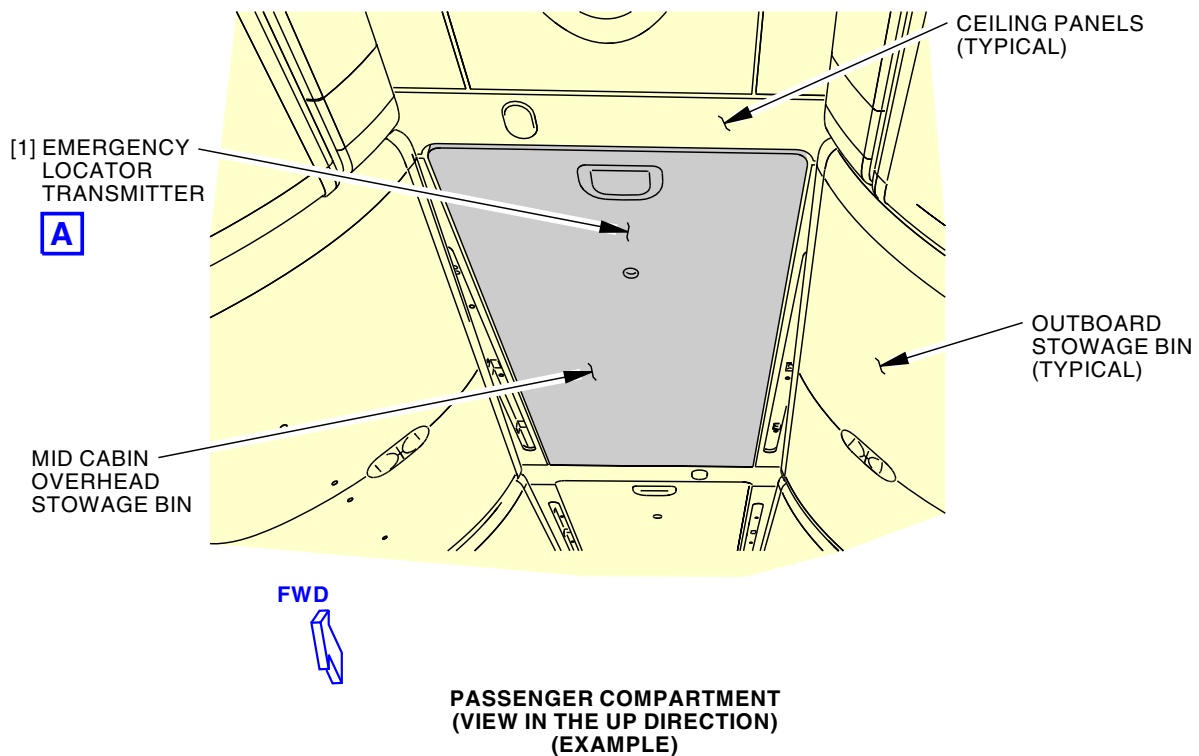
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2854057 S0000669964_V1

Detachable Emergency Locator Transmitter Installation
Figure 401/25-64-00-990-801 (Sheet 4 of 5)

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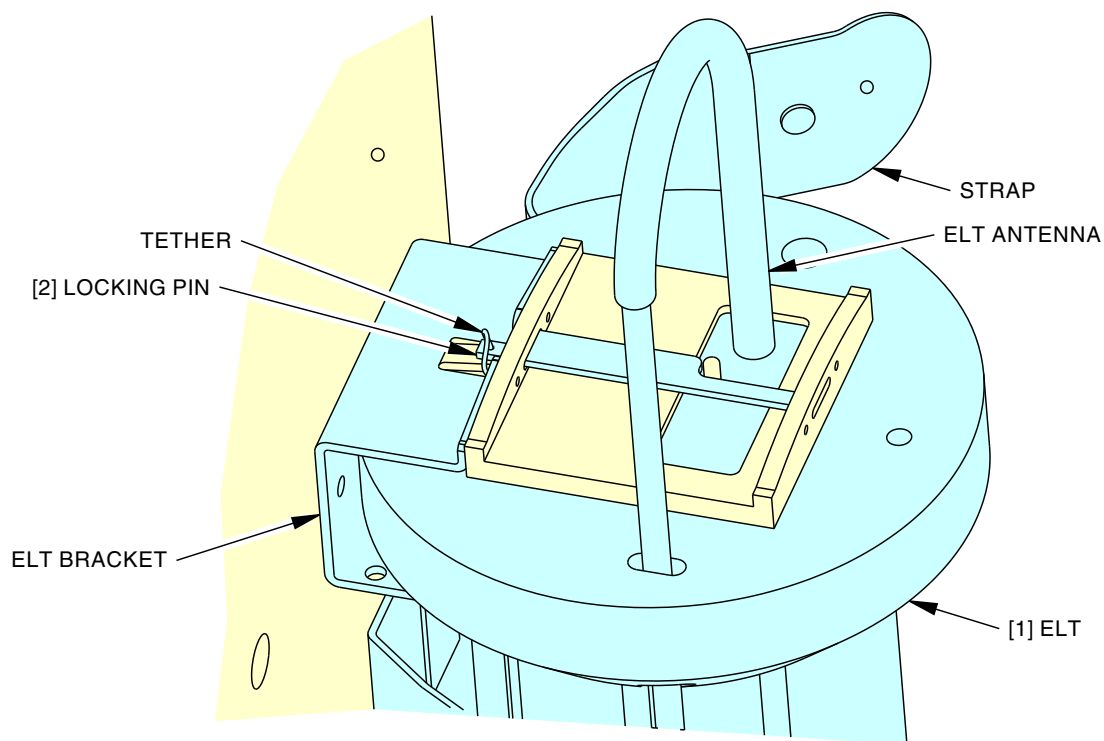
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PORTABLE ELT
(EXAMPLE)



2819543 S0000651365_V2

Detachable Emergency Locator Transmitter Installation
Figure 401/25-64-00-990-801 (Sheet 5 of 5)

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TASK 25-64-00-400-801

3. Detachable Emergency Locator Transmitter (ELT) - Installation
(Figure 401)

NOTE: This procedure is a scheduled maintenance task.

A. References

Reference	Title
25-64-00-710-802	Emergency Locator Transmitter Operational Test (P/B 501)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Detachable ELT Installation

SUBTASK 25-64-00-840-002

- (1) Do the self test of the ELT [1] (TASK 25-64-00-710-802).

SUBTASK 25-64-00-420-015

- (2) Put the ELT [1] switch to the OFF position.

SUBTASK 25-64-00-420-016

- (3) Move the ELT [1] antenna through the hole in floating collar of the ELT [1].

SUBTASK 25-64-00-420-017

- (4) If the locking pin [2] is installed, make sure to not remove it.

SUBTASK 25-64-00-420-018

- (5) If the locking pin [2] is not installed, install it into the ELT [1].

NOTE: The locking pin prevents the toggle switch being set to the ON position.

- (a) Put the ELT [1] near the ELT bracket.

- 1) Do not put the ELT [1] into the bracket before the locking pin [2] be installed.

- (b) Push the locking pin [2] through the first slot at the top of the ELT [1].

- 1) Make sure that the ELT [1] switch is in the OFF position.

- (c) Move the locking pin [2] through the second slot at the top of the ELT [1].

SUBTASK 25-64-00-420-019

- (6) Install the ELT [1] into the ELT bracket.

SUBTASK 25-64-00-420-020

- (7) Secure the ELT [1] with the strap.

SUBTASK 25-64-00-420-024

- (8) Set the ELT [1] switch to the ARM position.

————— END OF TASK —————

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EMERGENCY LOCATOR TRANSMITTER - ADJUSTMENT/TEST

1. General

A. This procedure has this task:

- (1) Emergency Locator Transmitter Operational Test

TASK 25-64-00-710-802

2. Emergency Locator Transmitter Operational Test

(Figure 501)

NOTE: This procedure is a scheduled maintenance task.

A. General

- (1) This task provides a procedure to do an operational test of the portable Emergency Locator Transmitter (ELT).

B. References

Reference	Title
25-64-00-400-801	Detachable Emergency Locator Transmitter (ELT) - Installation (P/B 401)

C. Location Zones

Zone	Area
221	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Left

D. Prepare for the Operational Test

SUBTASK 25-64-00-910-001

- (1) Make sure that you do the ELT test in the first five minutes of the hour (UTC).

NOTE: Free Space Transmission Tests from the aircraft on 121.5/243 MHz are generally allowed any time within five minutes after each hour. Check your local regulations. THERE IS NO ALLOWANCE FOR TRANSMITTING A VALID 406 MHZ MESSAGE AT ANY TIME.

The ELT will begin transmitting on 121.5/243 MHz immediately following activation and 406 MHz distress signals approximately 50 seconds after activation. If the ELT is inadvertently kept in the ON position for longer than approximately 50 seconds, you will hear a brief interruption of the 121.5 MHz signal while the 406 MHz message is transmitted. If this occurs, then you must reset the ELT immediately and tell the local emergency authorities. This will prevent emergency search and rescue operations that are not necessary.

- (a) If you do the ELT test outside of the first five minutes of the hour (UTC), do this step:

- 1) Speak with the local emergency authority (Air Traffic Control Tower or Flight Service Station) to let them know there will be an ELT Test Transmission on the Emergency Frequencies 121.5/243 MHz.

SUBTASK 25-64-00-910-002



WARNING

MAKE SURE THAT YOU FOLLOW THE LOCAL ELT OPERATION REGULATIONS. IF YOU MAKE AN ACCIDENTAL TRANSMISSION, TELL THE AUTHORITIES. THIS WILL PREVENT EMERGENCY SEARCH OPERATIONS THAT ARE NOT NECESSARY.

- (2) Follow the local ELT operation requirements.

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E. ELT Self-Test at the Front Panel of the ELT Unit

SUBTASK 25-64-00-000-003

- (1) Remove the cover from the ELT.

SUBTASK 25-64-00-000-004

- (2) Release the velcro strap.

SUBTASK 25-64-00-000-005



BE CAREFUL WHEN REMOVING THE ELT FROM THE SUPPORT BRACKET. THE WHIP ANTENNA HAS A TENDENCY TO SNAP/WHIP OUT WHEN THE VELCRO STRAP IS RELEASED. INJURY CAN OCCUR.

- (3) Remove the ELT from its support bracket and extend the whip antenna before doing the self test.
- (a) Hold the ELT at arm's length in the aisle to free the antenna from the wall.

SUBTASK 25-64-00-730-005

- (4) Do these steps to do the self-test at the ELT front panel:

NOTE: The self-test includes a 406 MHz test transmission. This test transmission does not cause a search operation.



READ ALL THE STEPS THAT FOLLOW BEFORE YOU START THE ELT TEST PROCEDURE. YOU MUST BECOME FAMILIAR WITH THE INSTRUCTIONS. MAKE SURE THAT YOU USE A TIMING DEVICE TO MONITOR THE TIME DURING THE ELT TEST. YOU MUST COMPLETE THE ELT TEST PROCEDURE IN LESS THAN 50 SECONDS. THIS WILL HELP PREVENT ACCIDENTAL ACTIVATION OF THE ELT.

- (a) Read all of the instructions below before you do the next step.



MAKE SURE THAT YOU DO THE ELT LIVE TRANSMISSION TEST IN THE FIRST FIVE MINUTES OF THE HOURS (UTC). COORDINATE WITH THE APPLICABLE LOCAL EMERGENCY AUTHORITY (AIR TRAFFIC CONTROL TOWER OR FLIGHT SERVICE STATION) FOR THE APPROVAL OF THIS TEST IF YOU DO THIS TEST OUTSIDE OF THE FIRST FIVE MINUTES OF THE HOURS (UTC).



IF THE EMERGENCY SIGNAL OCCURS DURING THIS TEST, IMMEDIATELY TELL THE APPLICABLE EMERGENCY PERSONNEL. THE SIGNAL TELLS EMERGENCY PERSONNEL TO DO A SEARCH FOR A MISSING AIRCRAFT.



PULL THE SWITCH BEFORE YOU MOVE IT TO A DIFFERENT POSITION. IF YOU MOVE THE SWITCH BEFORE YOU PULL IT, YOU WILL CAUSE DAMAGE TO THE SWITCH.

- (b) If present, connect the AIM3 to the ELT.
- NOTE: The AIM3 is an optional module which can connect to the J1 connector on the ELT, for on aircraft reprogramming of the transmitter unit.
- (c) Move the ELT switch from the OFF position to the ARM position to initiate self test.
- NOTE: The buzzer operates during the entire self test procedure.

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- (d) A single, long flash indicates that the ELT is operational and no errors were found.
- (e) The following series of short flashes indicates the test failed (Table 501).

Table 501/25-64-00-993-806 ELT Self-Test Failure Modes

Flashes	Failure Mode
3 + 1	Low Battery Voltage
3 + 2	Low RF Power
3 + 3	Faulty VCD Locking (Faulty Frequency)
3 + 4	No Identification Programmed

- (f) Make sure that the ARMED/OFF/ON switch is moved to the OFF position within 30 seconds after the self-test is complete to avoid transmission of a real distress signal.

SUBTASK 25-64-00-730-006



WARNING

BE CAREFUL WHEN REMOVING THE ELT FROM THE SUPPORT BRACKET. THE WHIP ANTENNA HAS A TENDENCY TO SNAP/WHIP OUT WHEN THE VELCRO STRAP IS RELEASED. INJURY CAN OCCUR.

- (5) If the self-test passes:
 - (a) Do the Detachable Emergency Locator Transmitter (ELT) - Installation, TASK 25-64-00-400-801.

SUBTASK 25-64-00-730-007

- (6) If the self-test fails:
 - (a) Make sure that the close environment of the ELT whip antenna is not disturbed by local presence of metallic parts.
 - 1) Do the self-test three times to confirm the failure.
 - (b) If the failure remains, make sure that the whip antenna is extended and re-do the self-test.
 - (c) If the failure is confirmed, replace the unit.

F. Put the Airplane Back to Its Usual Condition

SUBTASK 25-64-00-910-003

- (1) Tell the local emergency authority that the ELT test is completed (if applicable).

————— **END OF TASK** —————

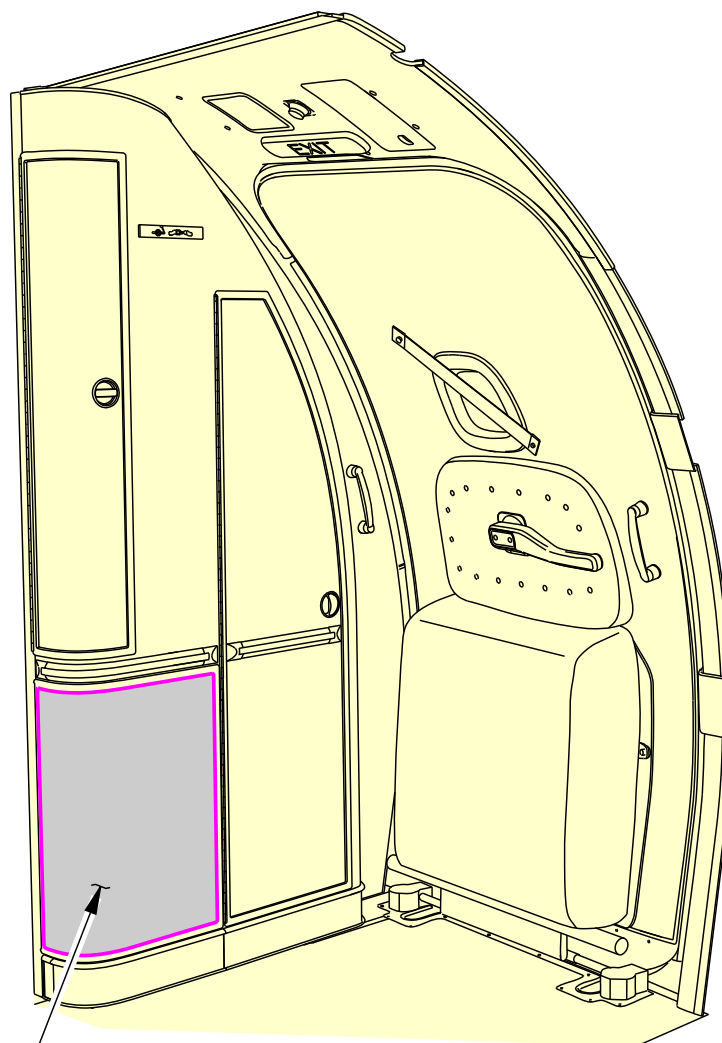
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EMERGENCY
LOCATOR
TRANSMITTER

A

PORTABLE ELT STOWAGE LOCATION **1**
(EXAMPLE)

1 OTHER ELT STOWAGE LOCATIONS
PER REQUIREMENTS.

3040968 S0000808771_V1

Emergency Locator Transmitter
Figure 501/25-64-00-990-806 (Sheet 1 of 5)

EFFECTIVITY
SIA ALL

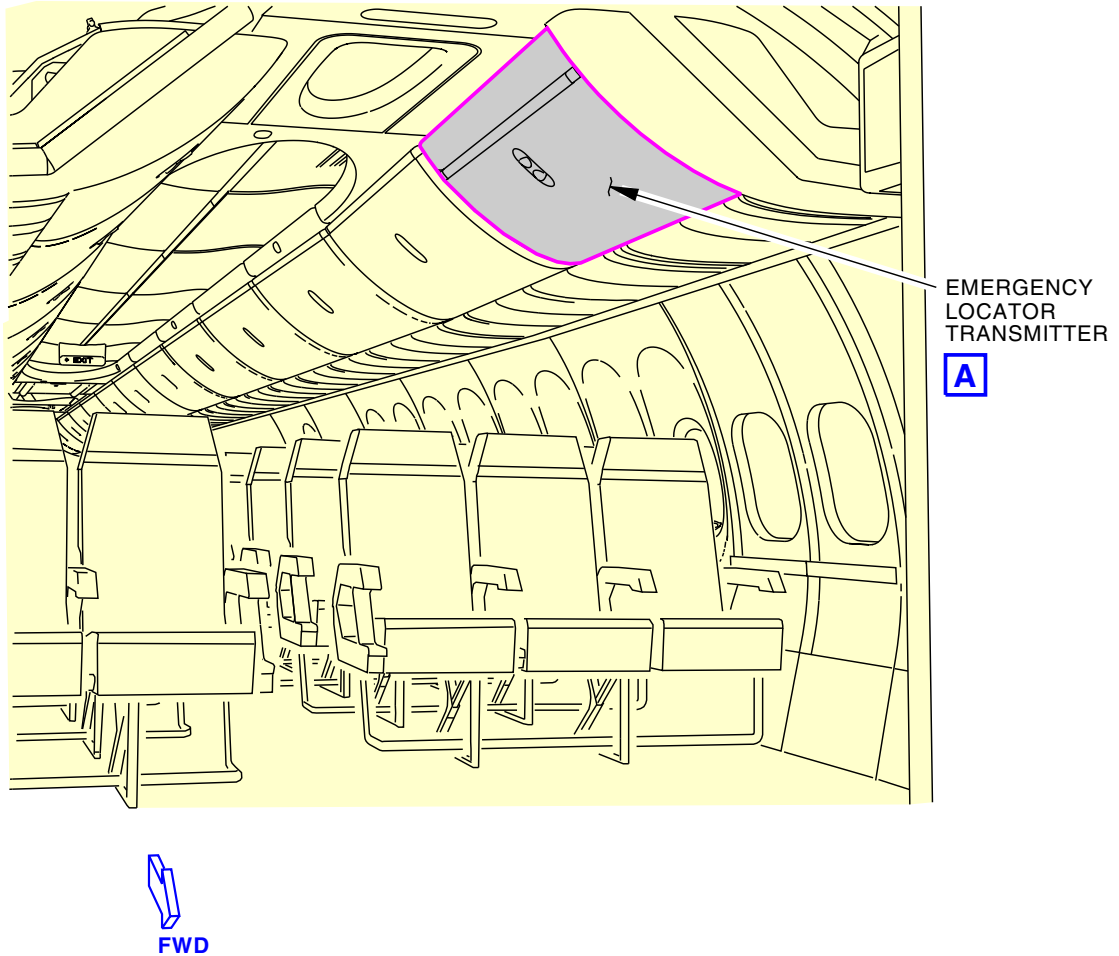
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BOEING
737-7/8/8200/9/10
AIRCRAFT MAINTENANCE MANUAL



3040969 S0000808772_V1

Emergency Locator Transmitter
Figure 501/25-64-00-990-806 (Sheet 2 of 5)

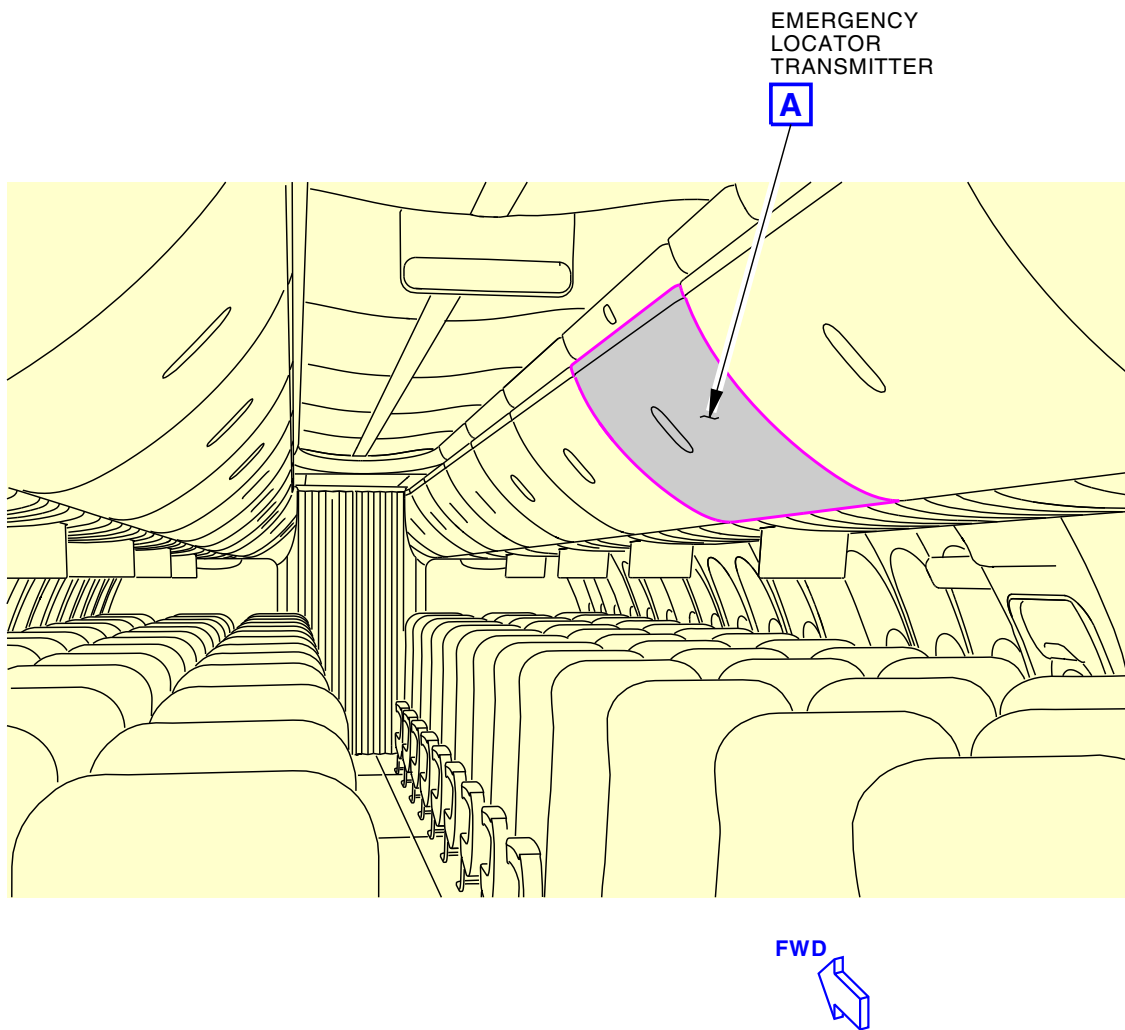
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PORTABLE ELT LOCATION
(OVERHEAD STOWAGE BIN)
(EXAMPLE)

1

3040970 S0000808773_V1

Emergency Locator Transmitter
Figure 501/25-64-00-990-806 (Sheet 3 of 5)

EFFECTIVITY
SIA ALL

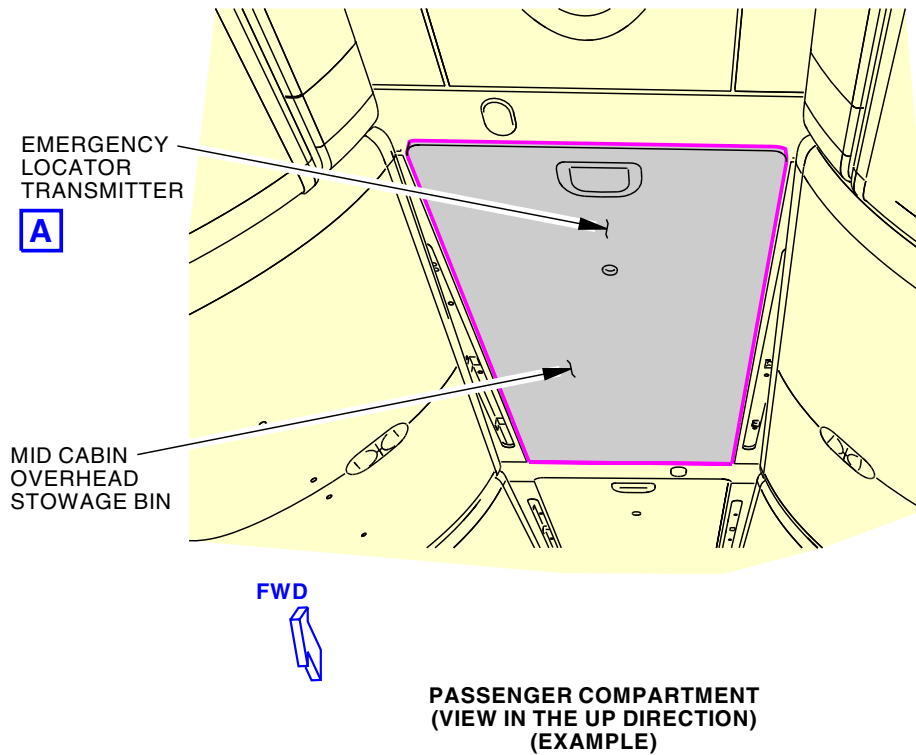
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3040971 S0000808774_V1

Emergency Locator Transmitter
Figure 501/25-64-00-990-806 (Sheet 4 of 5)

EFFECTIVITY
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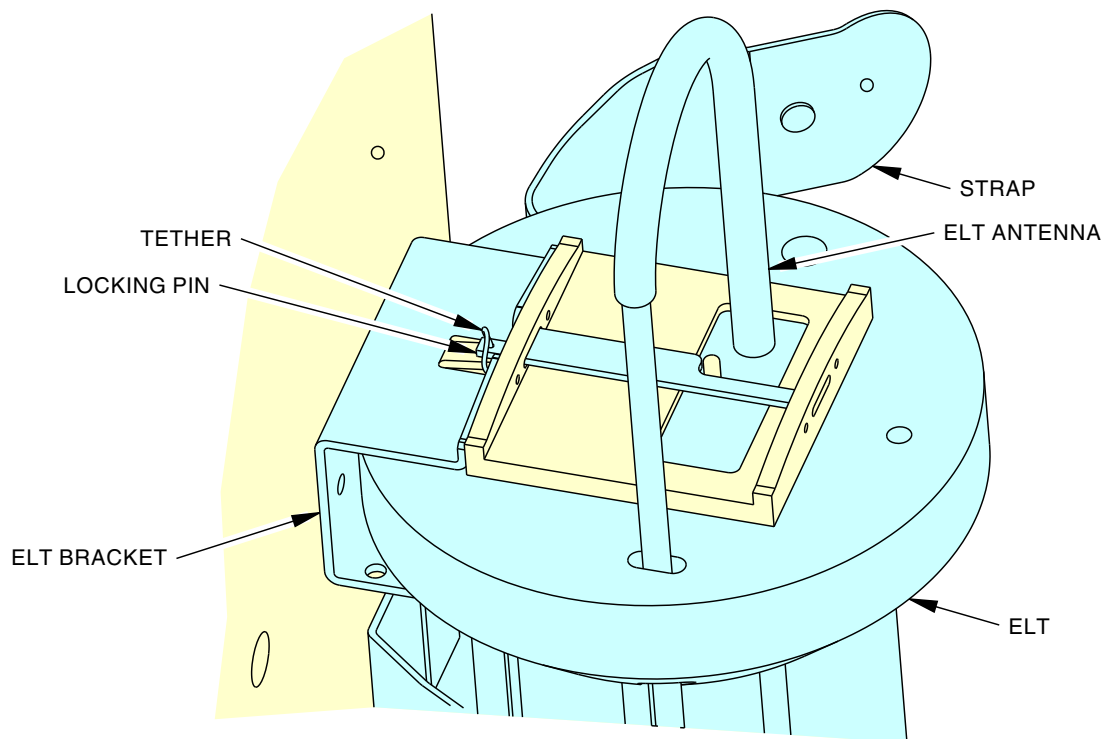
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**PORTABLE ELT
(EXAMPLE)**

A

3040974 S0000808777_V1

Emergency Locator Transmitter
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DOOR-MOUNTED ESCAPE SYSTEM - MAINTENANCE PRACTICES

1. General

A. This procedure has these tasks:

- (1) A restoration of the escape system after an escape slide deployment.
- (2) Door-mounted escape system - deactivation.
- (3) Door-mounted escape system - activation.

TASK 25-66-00-840-801

2. Escape System Restoration

(Figure 201)

A. **References**

Reference	Title
25-66-01-000-801	Escape Slide Pack and Cover Removal (P/B 401)
25-66-01-400-801	Escape Slide Pack and Cover Installation (P/B 401)

B. **Location Zones**

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

C. **Procedure**

SUBTASK 25-66-00-840-001

- (1) Restore the escape slide as follows:

NOTE: Three persons are necessary to do parts of this procedure. One person in the aircraft disconnects the escape slide. One person on a ladder, external to the aircraft, opens the aspirator flapper door and lowers the escape slide. One person on the ground receives the escape slide.



WARNING

DO NOT USE THE WARNING STRAP TO SUPPORT THE WEIGHT OF A PERSON. IF THE WARNING STRAP SUPPORTS THE WEIGHT OF A PERSON IT CAN BREAK. IF THE WARNING STRAP BREAKS, INJURY TO PERSONS AND DAMAGE TO EQUIPMENT CAN OCCUR.

- (a) Install the door warning strap across the door opening.
- (b) Disconnect the wires from the battery pack to the escape slide lights.
NOTE: The battery pack is located on the bottom surface of the escape slide near the inflation cylinder.
- (c) Open the aspirator flapper door to deflate the escape slide until the escape slide is soft.
NOTE: Make sure the escape slide keeps its shape.
- (d) Disconnect the girt bar from the floor-mounted escape slide brackets.
NOTE: Release tension in the girt to disconnect the girt bar easily.

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BE CAREFUL WHEN YOU LOWER THE ESCAPE SLIDE. THE ESCAPE SLIDE WEIGHS APPROXIMATELY 50 POUNDS (22.7 KILOGRAMS). IF THE ESCAPE SLIDE AND ITS COMPONENTS FALL, INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT CAN OCCUR.



MAKE SURE THE AREA BELOW THE ESCAPE SLIDE IS CLEAR BEFORE YOU LOWER THE ESCAPE SLIDE TO THE GROUND. OBJECTS BELOW THE SLIDE CAN CAUSE DAMAGE TO THE SLIDE AND ITS COMPONENTS.

- (e) Carefully lower the escape slide to the person on the ground.
- (f) Carefully install a clamp on the aspirator to fully deflate the escape slide.
- (g) Remove the clamp from the aspirator.
- (h) Refer to the instructions from the escape slide manufacturer to examine, repair, and repack the escape slide.

SUBTASK 25-66-00-840-002

- (2) Restore the door as follows:
 - (a) Remove the door warning strap from across the door opening if it is installed.
 - (b) Close and latch the door.
 - (c) Do this task: Escape Slide Pack and Cover Removal, TASK 25-66-01-000-801.
NOTE: The escape slide pack and girt bar are not in the cover.
 - (d) Do this task: Escape Slide Pack and Cover Installation, TASK 25-66-01-400-801.

———— **END OF TASK** ————

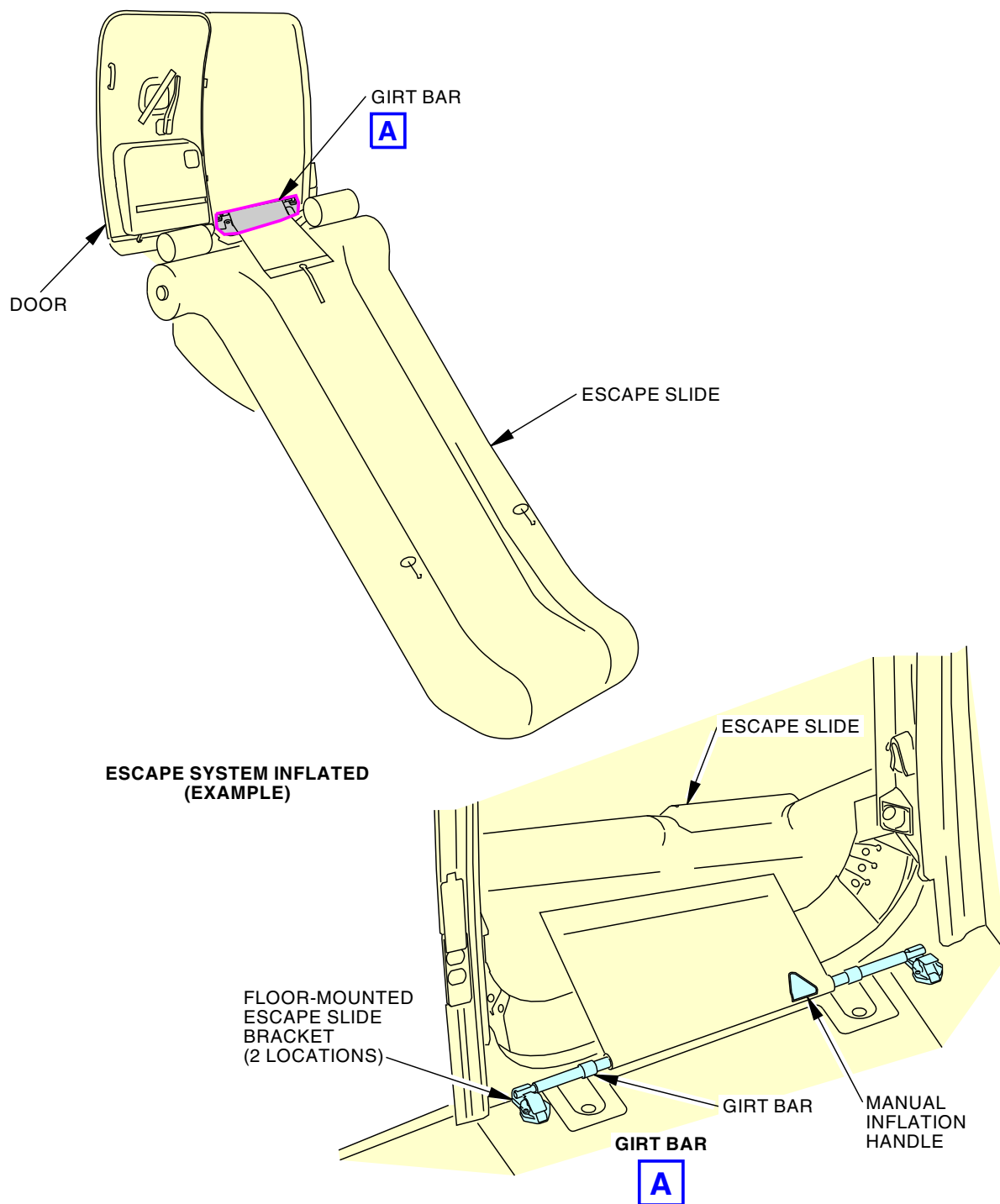
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Escape System Restoration
Figure 201/25-66-00-990-801

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TASK 25-66-00-040-801

3. Door-Mounted Escape System - Deactivation

A. General

- (1) This task will deactivate the door-mounted escape system.

B. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

C. Procedure

SUBTASK 25-66-00-210-001



WARNING

KEEP PERSONNEL, EQUIPMENT, AND OTHER ITEMS OUT OF THE HAZARDOUS ENERGY ZONES. INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT CAN OCCUR.

- (1) Make sure that there is no blockage in the area near the door from the fuselage to 33 ft (10 m) outboard of the fuselage and from 6 ft (2 m) forward of the door to 6 ft (2 m) aft of the door.

SUBTASK 25-66-00-020-001

- (2) For forward and aft door slides, do these steps:
- (a) Stow the girt bar in the girt bar retainer clips on the slide compartment.
 - (b) Use nylon zip ties to attach the girt bar in its position.
 - (c) Install a DO NOT OPERATE tag on the girt bar.

D. Door-Mounted Escape System - Tryout

NOTE: This tryout is to make sure that the door-mounted escape system is in a zero energy state.

SUBTASK 25-66-00-210-002

- (1) For forward and aft door slides, do these steps:
- (a) Make sure that the slide girt bar is stowed and attached in the girt bar retainer clips with nylon zip ties.
 - (b) Align the girt bar nylon release stop assembly/bar lock forward and aft of the girt bar retainer clips.
 - (c) Make sure that the DO NOT OPERATE tag is installed.

————— **END OF TASK** —————

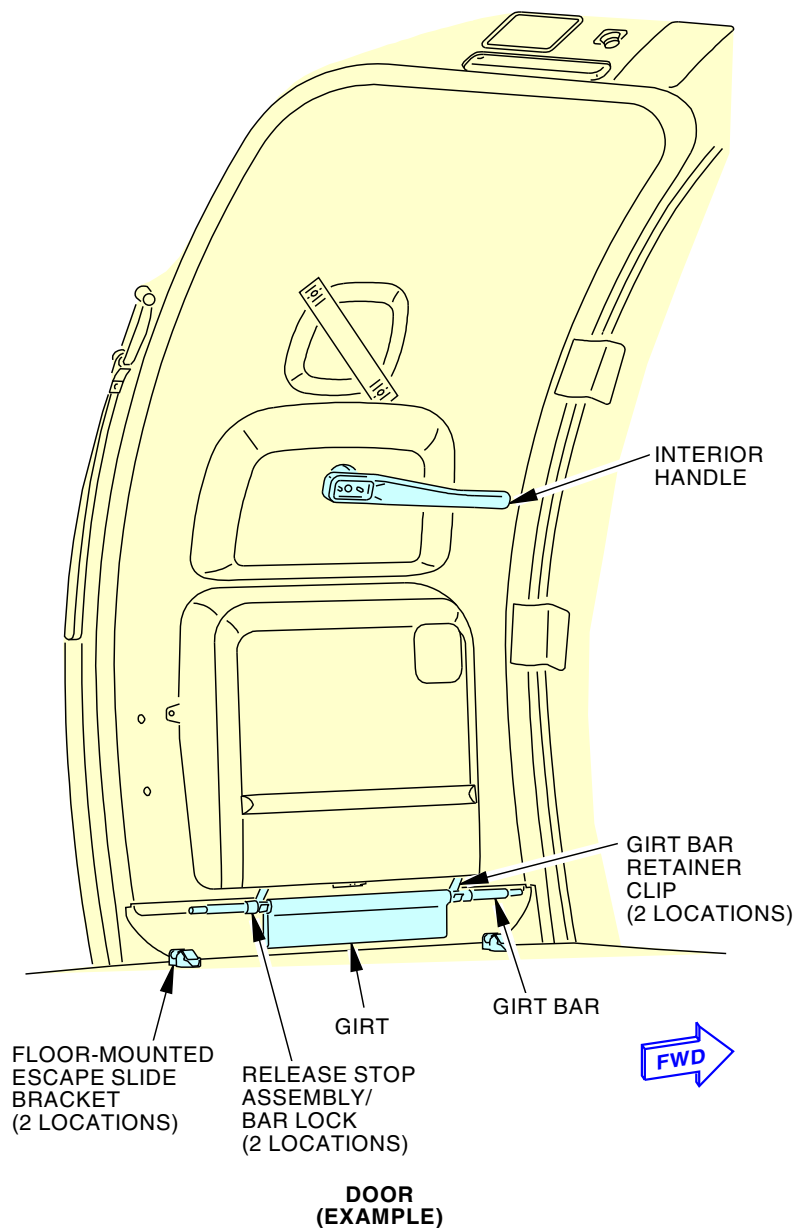
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Door-Mounted Escape System
Figure 202/25-66-00-990-802 (Sheet 1 of 2)

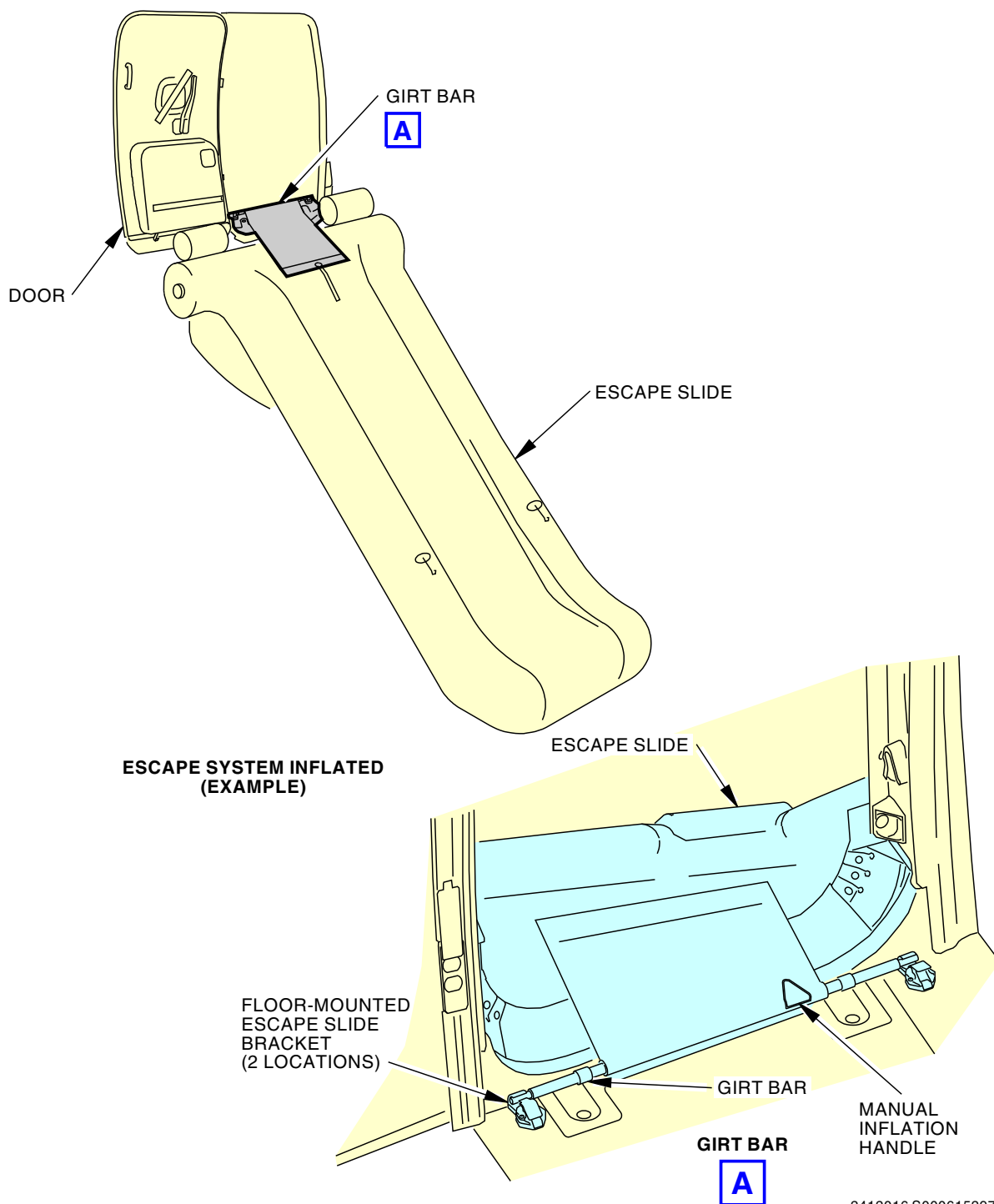
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Door-Mounted Escape System
Figure 202/25-66-00-990-802 (Sheet 2 of 2)

EFFECTIVITY
SIA ALL

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TASK 25-66-00-440-801

4. Door-Mounted Escape System - Activation

(Figure 202)

A. General

- (1) This task will activate the door-mounted escape system.

B. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

C. Procedure

SUBTASK 25-66-00-210-004



KEEP PERSONNEL, EQUIPMENT, AND OTHER ITEMS OUT OF THE HAZARDOUS ENERGY ZONES. INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT CAN OCCUR.

- (1) Make sure that there is no blockage in the area near the door from the fuselage to 33 ft (10 m) outboard of the fuselage and from 6 ft (2 m) forward of the door to 6 ft (2 m) aft of the door.

SUBTASK 25-66-00-420-001

- (2) For forward and aft door slides, do these steps:
- (a) Remove the DO NOT OPERATE tag from the escape slide girt bar.
 - (b) Remove the nylon zip ties used to attach the girt bar in the girt bar retainer clips on the slide compartment.

————— END OF TASK —————

EFFECTIVITY
SIA ALL

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DOOR-MOUNTED ESCAPE SYSTEM - ADJUSTMENT/TEST

1. General

A. This procedure has this task:

- (1) An operational test of the escape system.

TASK 25-66-00-710-801

2. Escape System Operational Test

(Figure 501)

NOTE: This procedure is a scheduled maintenance task.

A. **References**

Reference	Title
25-66-00-840-801	Escape System Restoration (P/B 201)
25-66-01-200-801	Escape Slide Pack Inflation Cylinder Check (P/B 601)

B. **Tools/Equipment**

Reference	Description
STD-1146	Pad - Protective, Ensolite or Equivalent 1/2 Inch by 72 Inches by 96 Inches

C. **Consumable Materials**

Reference	Description	Specification
G50689	Tape - Polyken 223 Multi-Purpose Duct Tape	

D. **Location Zones**

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

E. **Prepare for the Test**

SUBTASK 25-66-00-860-001

- (1) Prepare the airplane for the test as follows:



CAUTION

YOU MUST ATTACH THE PROTECTIVE PAD TO THE FUSELAGE BELOW THE APPLICABLE DOOR. IF YOU DO NOT INSTALL THE PROTECTIVE PAD, DAMAGE TO THE FUSELAGE SKIN AND PAINT CAN OCCUR.

- (a) Install the protective pad, STD-1146, to the fuselage below the applicable door with the long side parallel to the ground.

- 1) Use 3-inch Olive Drab Polyken 223 Tape, G50689, to make sure that no edges come loose when the slide is deployed.

- a) Make sure that the protective pad is correctly attached to the fuselage.

NOTE: If the protective pad is not attached correctly, the protective pad can come loose and stop the slide from deploying correctly.

- (b) Put a pad on the ground where the escape slide will inflate.

NOTE: It is not required to adhere protective covering to the ground.

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- (c) Make sure that the door is closed and latched.

SUBTASK 25-66-00-210-005

- (2) Do this task: Escape Slide Pack Inflation Cylinder Check, TASK 25-66-01-200-801.

F. Escape System Operational Test

SUBTASK 25-66-00-710-001



KEEP PERSONNEL, EQUIPMENT, AND OTHER ITEMS OUT OF THE HAZARDOUS ENERGY ZONES. INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT CAN OCCUR.

- (1) Do the operational test of the escape system:
- (a) Remove the girt bar from the girt bar retainers on the cover.
 - (b) Install the girt bar in the floor-mounted escape slide brackets.



MAKE SURE THAT THERE ARE NO PERSONS OR EQUIPMENT IN THE AREA BELOW THE DOOR. IF THE AREA IS NOT CLEAR WHEN THE SLIDE DEPLOYS, INJURY TO PERSONNEL OR DAMAGE TO EQUIPMENT CAN OCCUR.

- (c) Move the interior handle to the open position and open the door fully.
- (d) Make sure that the escape slide fully inflates in 0-10 seconds after the escape slide releases from the door.
NOTE: The escape slide must inflate automatically to pass the operational test.
- (e) If the escape slide does not inflate automatically, pull the manual inflation handle to inflate the escape slide.
- (f) Make sure that the escape slide is fully inflated.
- (g) Make sure that the lights on the slide are on.

G. Put the Airplane Back to Its Usual Condition

SUBTASK 25-66-00-860-002

- (1) Do this task: Escape System Restoration, TASK 25-66-00-840-801.

————— END OF TASK —————

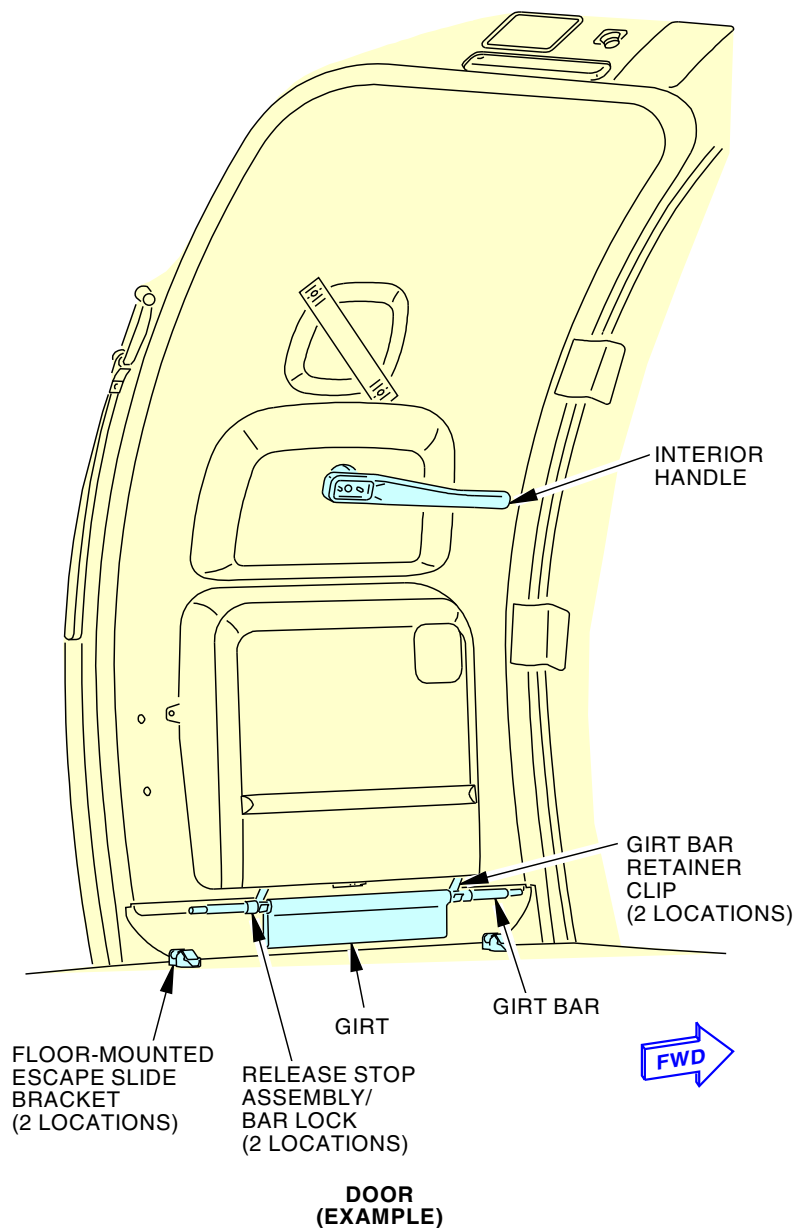
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Escape System Operational Test
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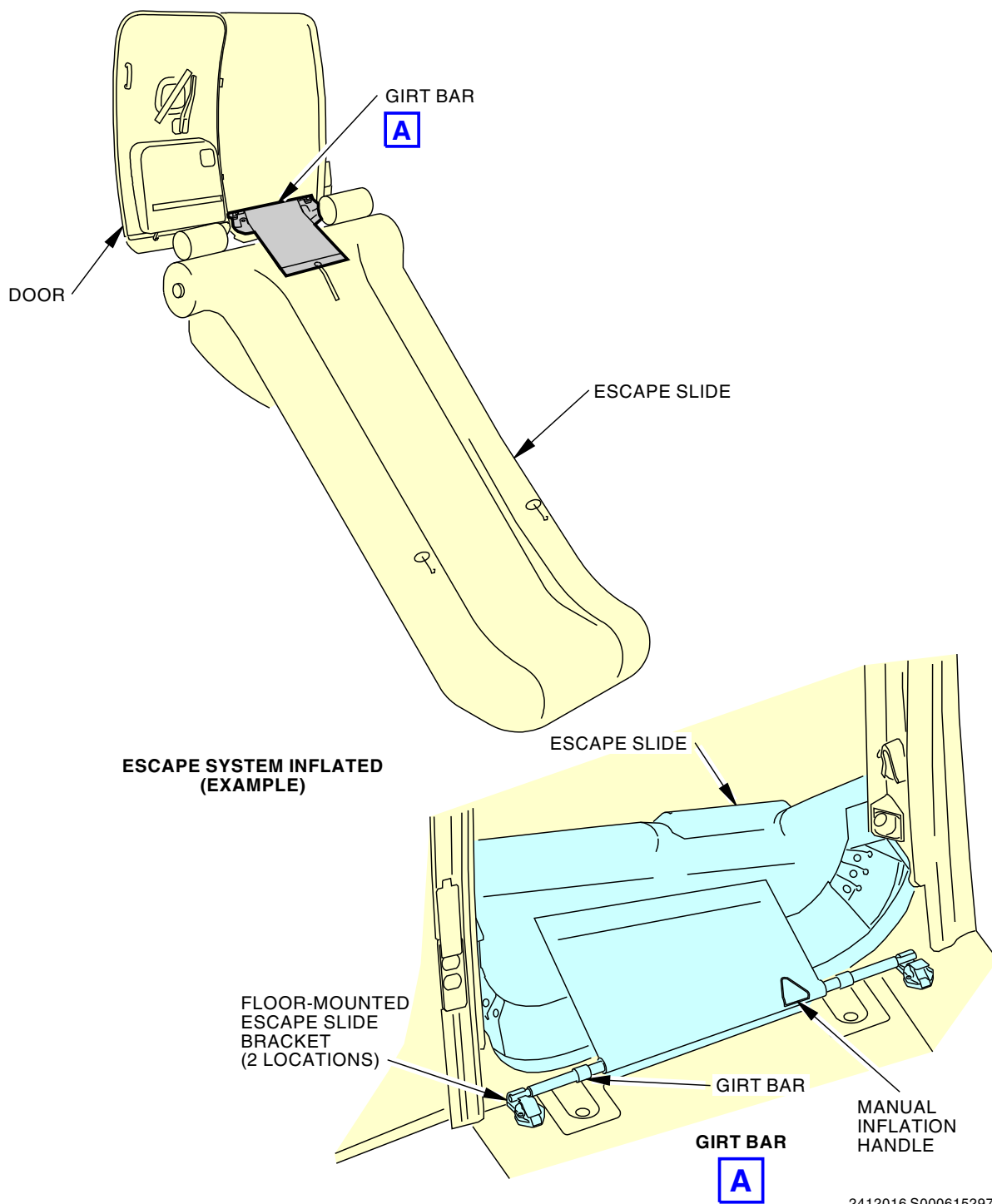
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Escape System Operational Test
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AIRCRAFT MAINTENANCE MANUAL

DOOR-MOUNTED ESCAPE SYSTEM - REMOVAL/INSTALLATION

1. **General**

A. This procedure has these tasks:

- (1) A removal of the escape slide pack and cover
- (2) An installation of the escape slide pack and cover
- (3) A removal of the escape slide pack
- (4) An installation of the escape slide pack
- (5) A removal of the escape slide girt bar
- (6) An installation of the escape slide girt bar.

B. This procedure is the same for the entry or galley service door.

C. Two persons are necessary to lift or move the escape slide pack and cover. The weight of the escape slide pack and cover is approximately 55 lb (25 kg).

TASK 25-66-01-000-801

2. **Escape Slide Pack and Cover Removal**

(Figure 401)

NOTE: This procedure is a scheduled maintenance task.

A. General

- (1) This task is for the removal of the escape slide pack and cover.

B. Consumable Materials

Reference	Description	Specification
G50236	Tie - Cable Wrap - PLT1.5M	SS-5540

C. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

D. Prepare for the Removal

SUBTASK 25-66-01-860-001



KEEP PERSONNEL, EQUIPMENT, AND OTHER ITEMS OUT OF THE HAZARDOUS ENERGY ZONES. INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT CAN OCCUR.

- (1) Make sure that the door is closed and latched.

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SUBTASK 25-66-01-210-003



MAKE SURE THAT YOU INSTALL THE GIRT BAR IN THE GIRT-BAR RETAINER CLIPS. IF YOU DO NOT INSTALL THE GIRT BAR IN THE RETAINER CORRECTLY, ACCIDENTAL INFLATION OF THE ESCAPE SLIDE CAN OCCUR. THIS CAN CAUSE INJURIES TO PERSONNEL OR DAMAGE TO THE EQUIPMENT.

- (2) Make sure that the girt bar [4] is installed in the in the girt bar retainer clips [5].

NOTE: There are two types of girt bars. First configuration has a release stop assembly and a bar lock on opposite ends, and the second configuration has two bar locks, one on each end.

NOTE: The clip engagement area is between the nylon release stop assembly/bar lock and the thick part of the girt bar.

- (a) Make sure that the girt [6] is not caught in the girt bar retainer clips [5].

SUBTASK 25-66-01-480-001

- (3) Use tie wraps - PLT1.5M, G50236 to secure the girt bar [4] to the girt bar retainer clips [5].

E. Escape Slide Pack and Cover Removal

SUBTASK 25-66-01-020-001

- (1) Remove the escape slide pack and cover [2] from the door as follows:

- (a) Remove the two screws [9] and two washers [10] that attach the escape slide pack and cover [2] to the door.
- (b) Make a note of the two screws [9] lengths and locations for the subsequent installation.
- (c) Pull the top of the escape slide pack and cover [2] inboard until it is clear of the door structure.



BE CAREFUL WHEN YOU MOVE THE COMPONENT. THE COMPONENT IS HEAVY. INJURIES TO PERSONS CAN OCCUR.

- (d) Lift and remove the escape slide pack and cover [2] to disengage the lower fitting [15] from the bottom support bracket [14].

NOTE: The escape slide pack and cover weigh approximately 55 lb (25 kg).

- (e) Put the escape slide pack and cover [2] on a clean horizontal surface with the cover backing pan [11] against the horizontal surface.

NOTE: The steps that follow are not necessary if you will not do additional work on the escape slide pack and cover [2].

SUBTASK 25-66-01-860-002

- (2) If you will do additional work on escape slide pack and cover [2], do these steps:

NOTE: When the compartment is open, the escape slide pack can expand. Plan the work so the compartment is open for a minimum time to avoid the expansion of the escape slide pack.

- (a) Remove the latch [7] from the latch bracket [13].
- (b) Open the cover [3] to get access to the inflation cylinder valve [17].

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WARNING

INSTALL THE SAFETY PIN IN THE INFLATION CYLINDER IF YOU REMOVE THE COVER. WITHOUT THE SAFETY PIN, THE ESCAPE SLIDE CAN INFLATE ACCIDENTALLY. IF IT INFLATES, INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT CAN OCCUR.

- (c) Remove the safety pin [19] from the pocket [18].
- (d) Install the safety pin [19] into the inflation cylinder valve [17].

———— **END OF TASK** ————

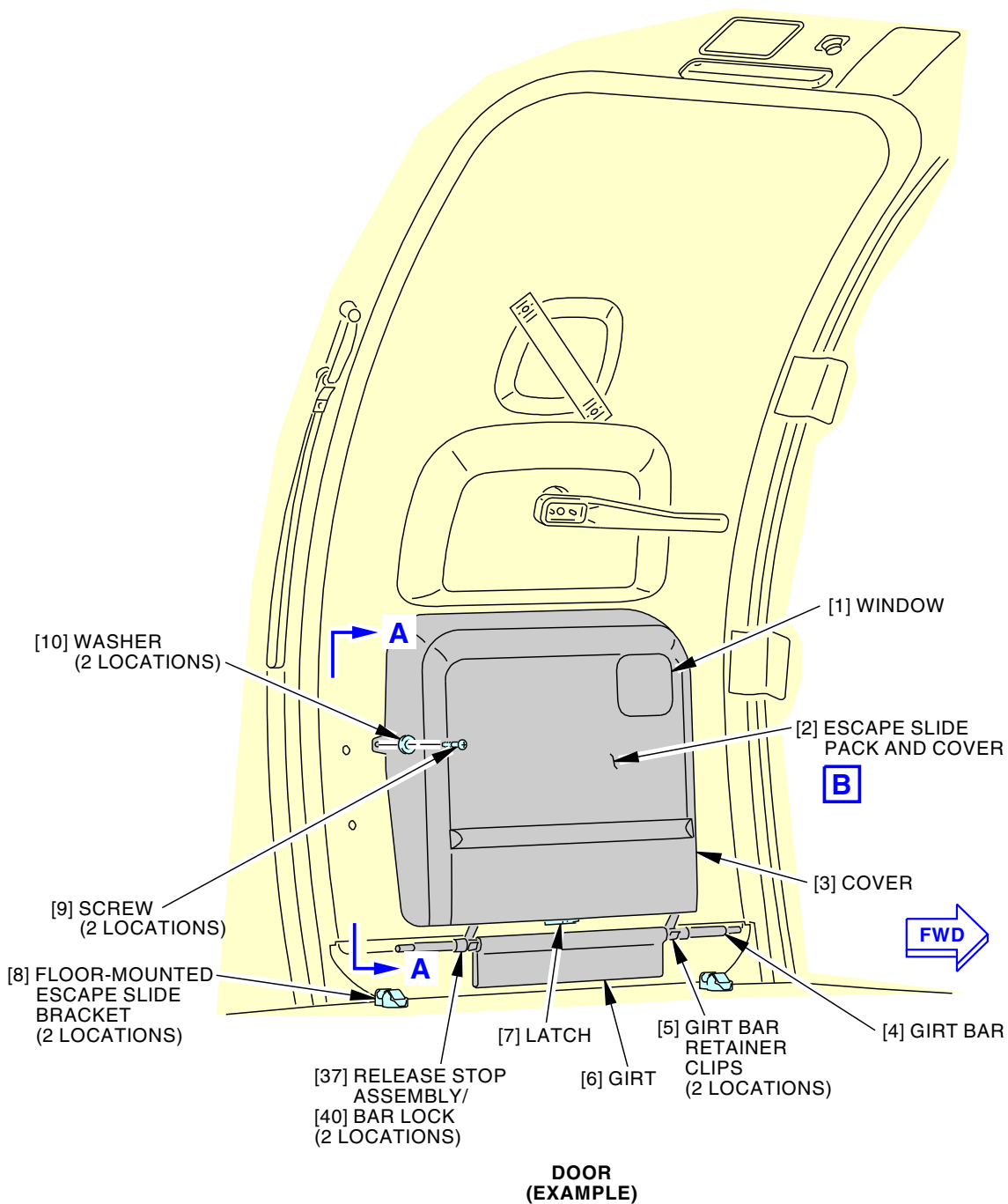
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Escape System Installation
Figure 401/25-66-01-990-804 (Sheet 1 of 8)

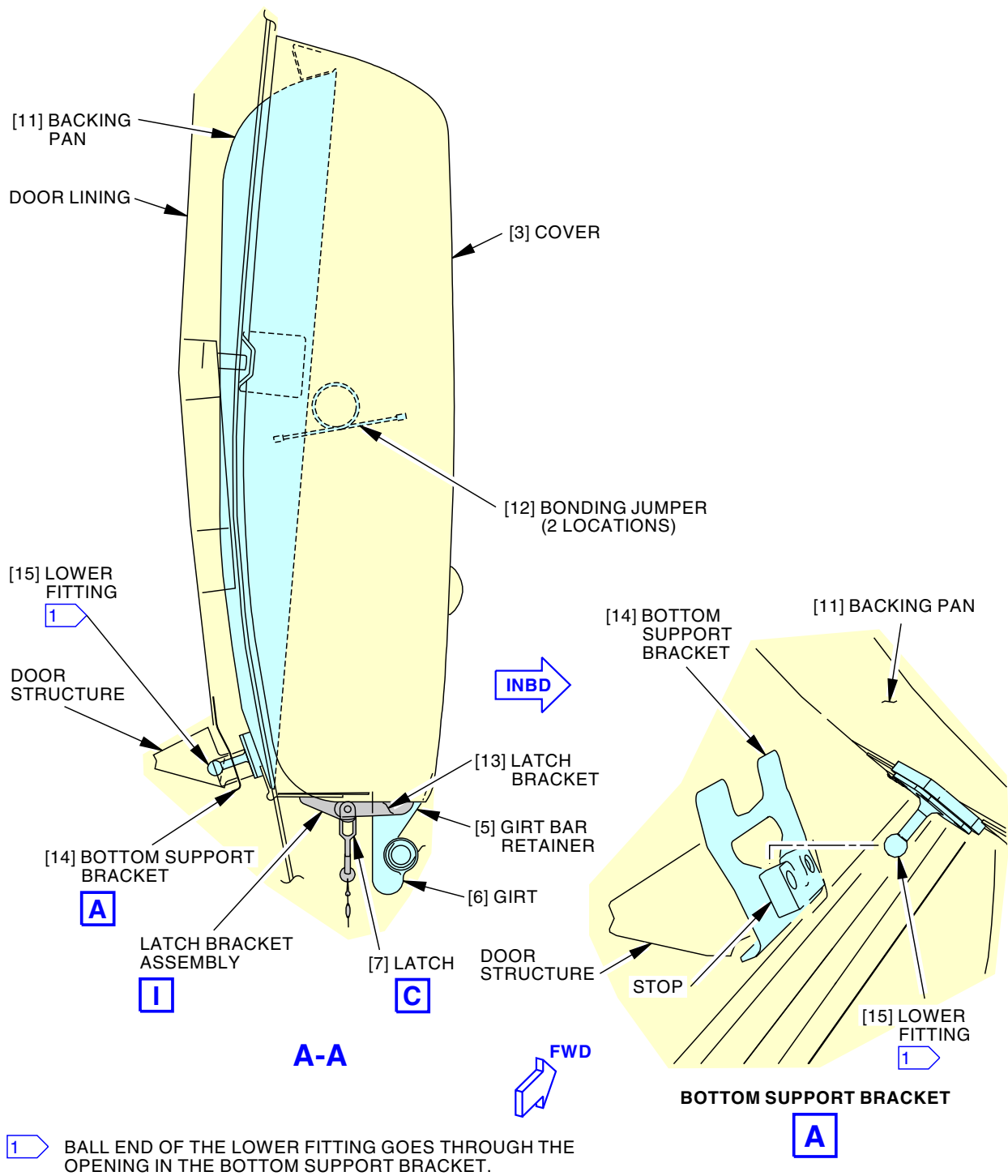
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2412018 S00061529723_V1

Escape System Installation
Figure 401/25-66-01-990-804 (Sheet 2 of 8)

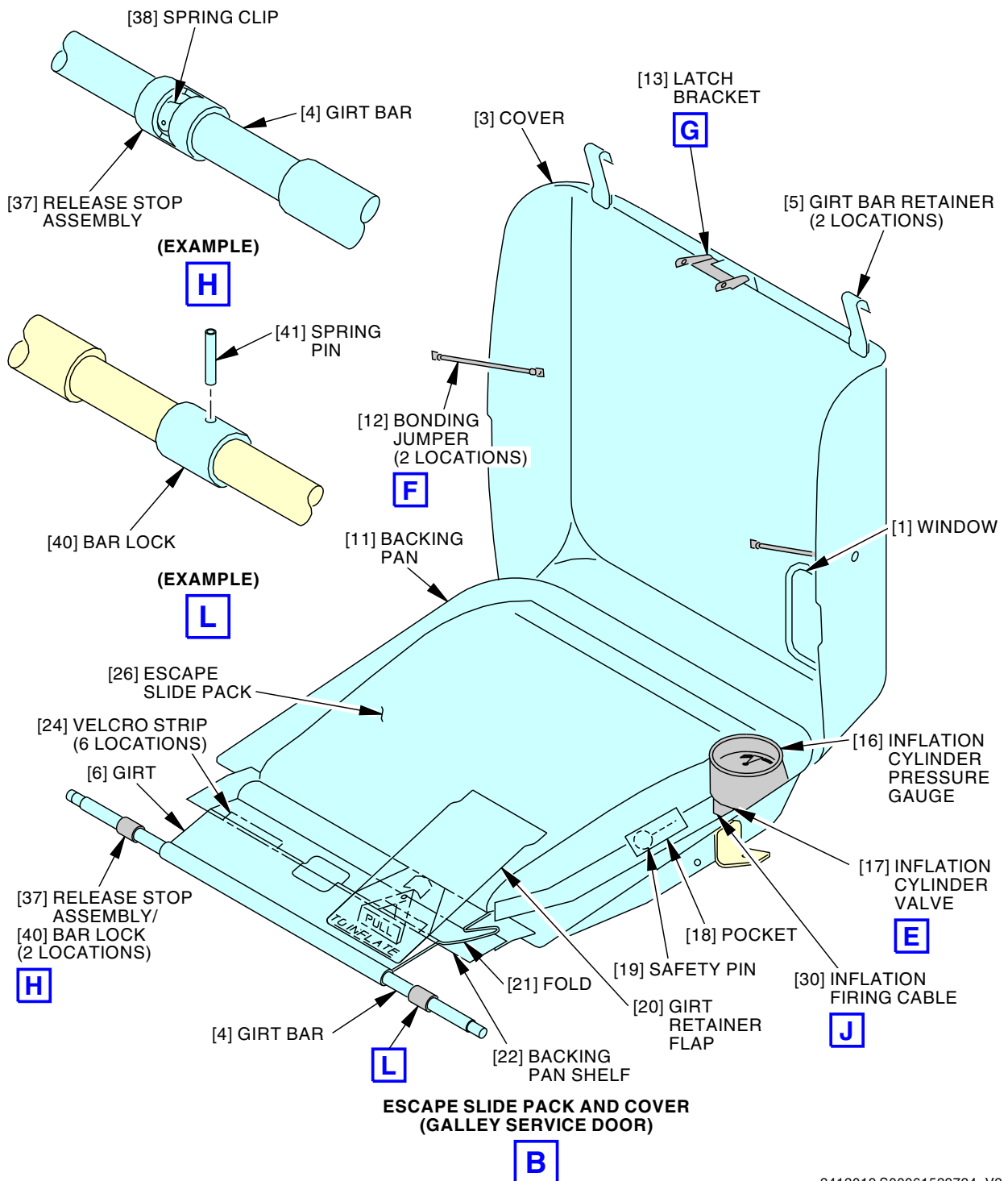
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Escape System Installation
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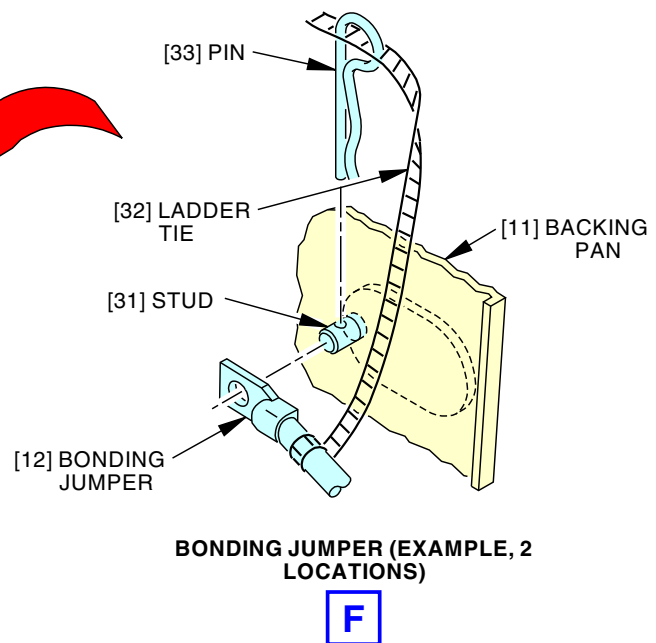
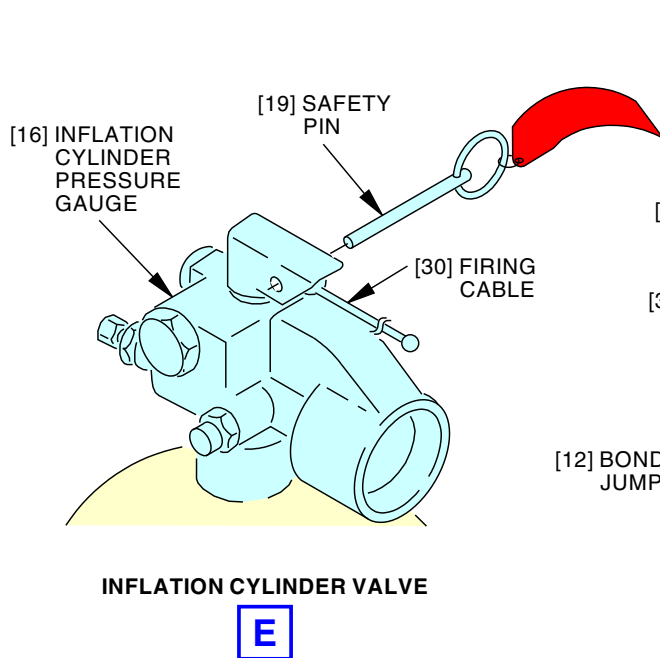
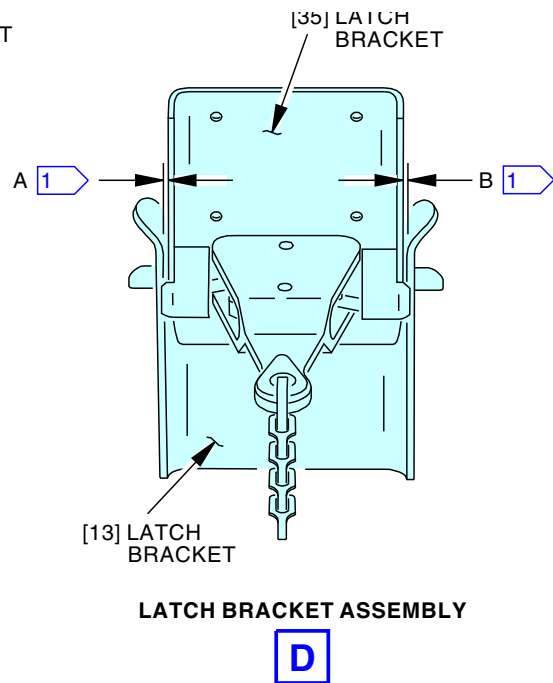
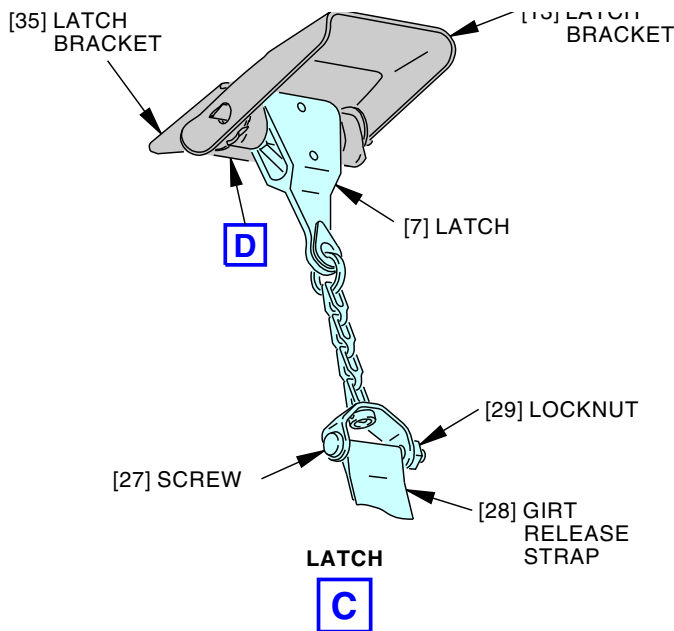
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1 THE SUM OF THE CLEARANCES AT A AND B MUST BE NO MORE THAN 0.01 INCH (0.254 mm)

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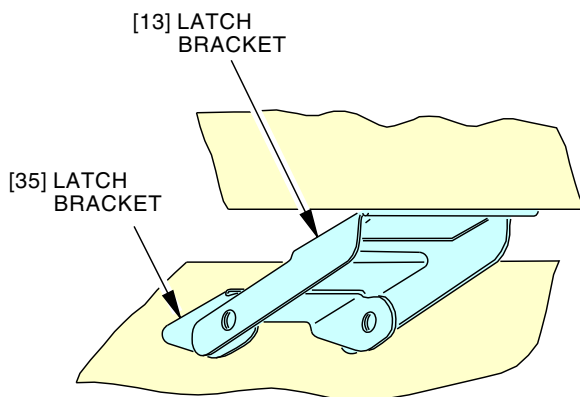
Escape System Installation
Figure 401/25-66-01-990-804 (Sheet 4 of 8)

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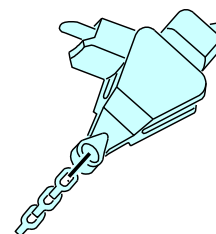
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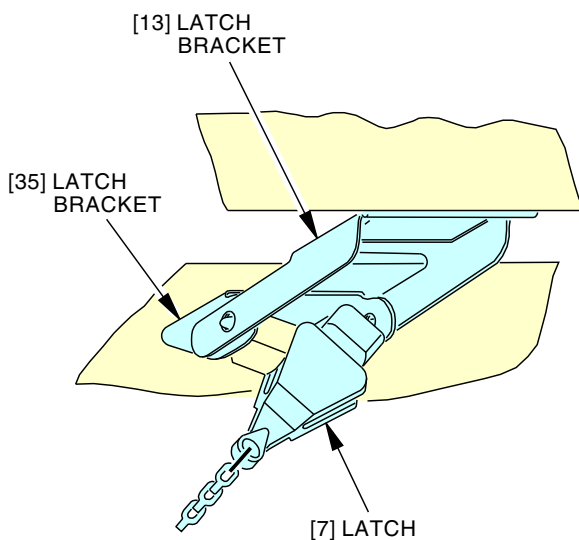
**STEP 1
(ALIGN BRACKETS)**

G



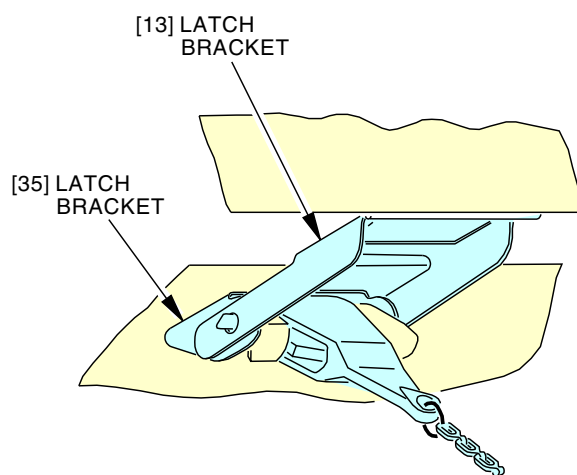
**STEP 2
(COCK LATCH)**

G



**STEP 3
(POSITION LATCH AS SHOWN)**

G



**STEP 4
(LATCH IN LOCKED POSITION)**

G

2412021 S00061529726_V1

Escape System Installation
Figure 401/25-66-01-990-804 (Sheet 5 of 8)

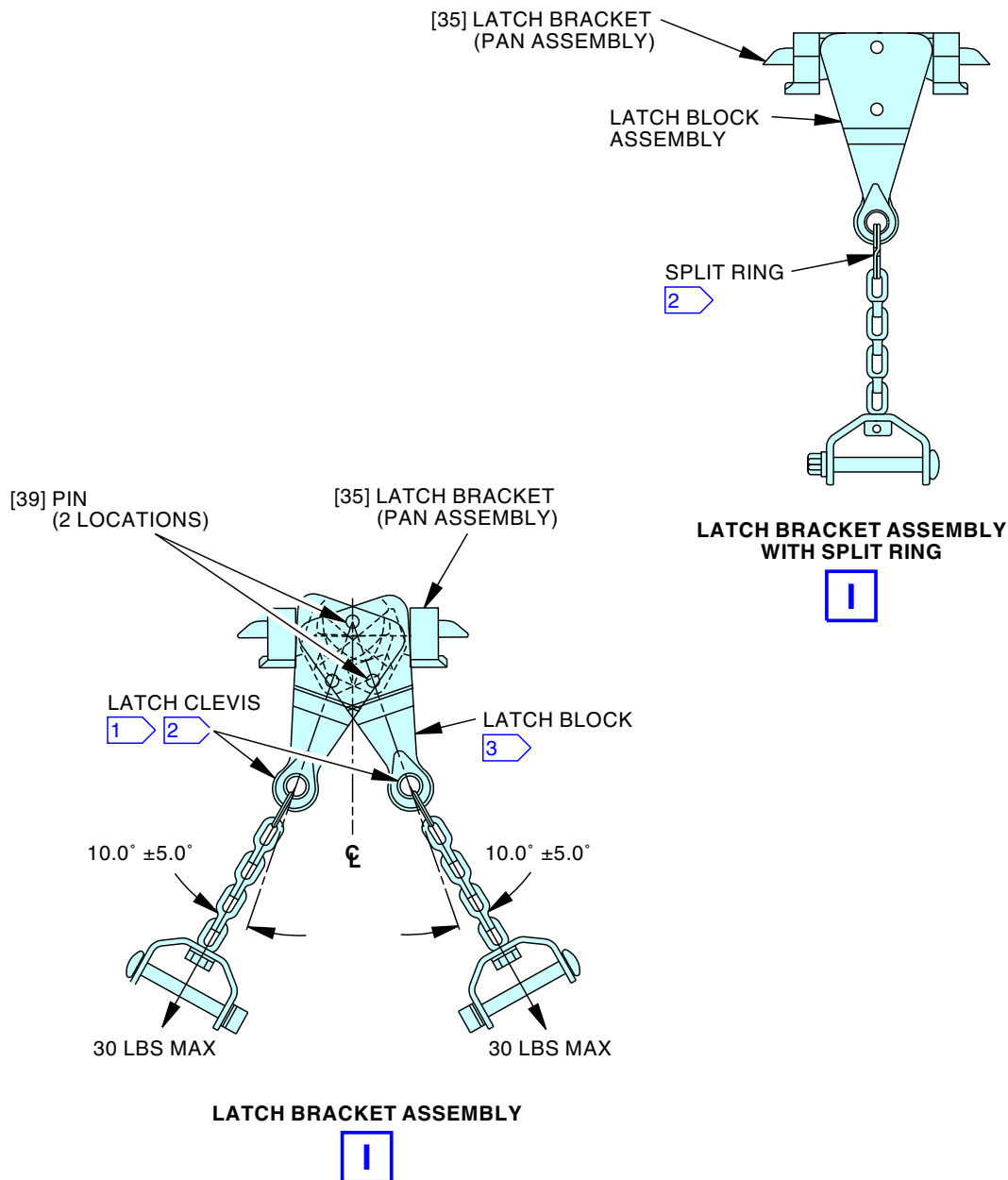
EFFECTIVITY
SIA ALL

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- 1 MAKE SURE THAT THE CLEVIS CAN ROTATE FREELY IN THE LATCH BLOCK ASSEMBLY.
- 2 EACH ESCAPE SLIDE WILL HAVE ONE LATCH CLEVIS OR ONE SPLIT RING.
- 3 USE A MAXIMUM OF 30 POUNDS OF FORCE TO RELEASE THE LATCH.

2412022 S00061529727_V1

Escape System Installation
Figure 401/25-66-01-990-804 (Sheet 6 of 8)

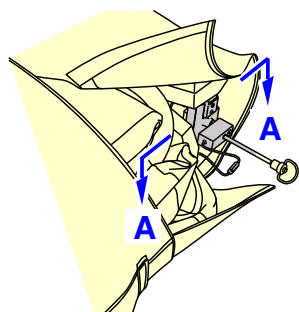
EFFECTIVITY
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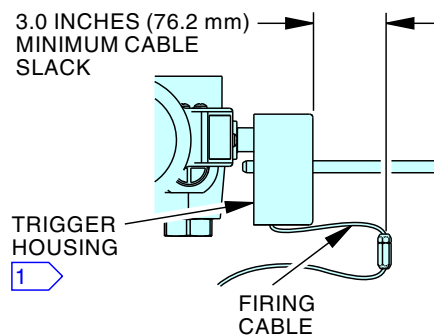
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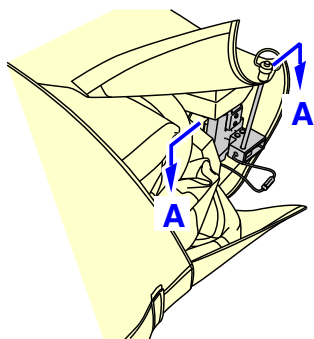


INFLATION FIRING CABLE
(ESCAPE SLIDE WITH TRIGGER HOUSING)

J

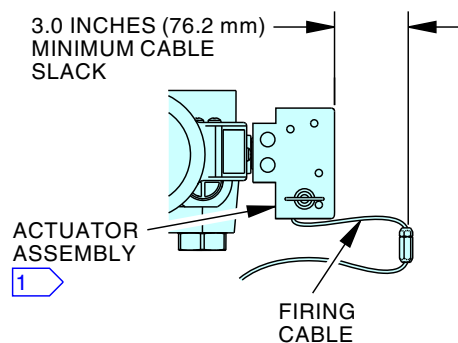


A-A



INFLATION FIRING CABLE
(ESCAPE SLIDE WITH ACTUATOR ASSEMBLY)

J



A-A

1 EACH ESCAPE SLIDE WILL HAVE ONE TRIGGER HOUSING OR ONE ACTUATOR ASSEMBLY.

2972121 S0000750713_V1

Escape System Installation
Figure 401/25-66-01-990-804 (Sheet 7 of 8)

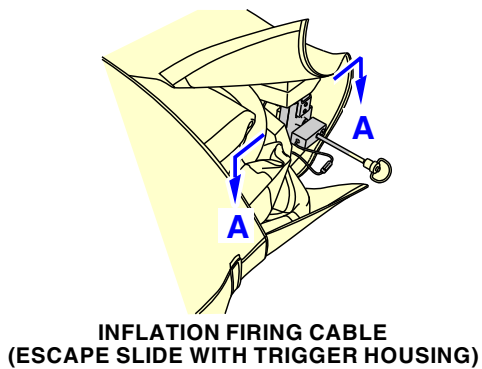
EFFECTIVITY
SIA 001-005 PRE SB 737-25-1866

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ECCN 9E991 BOEING PROPRIETARY - See title page for details

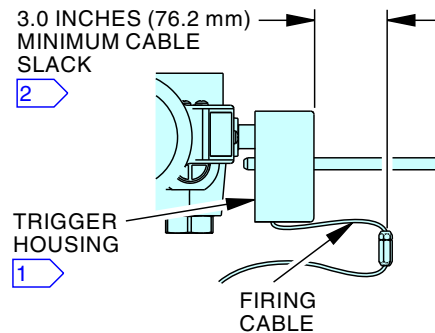
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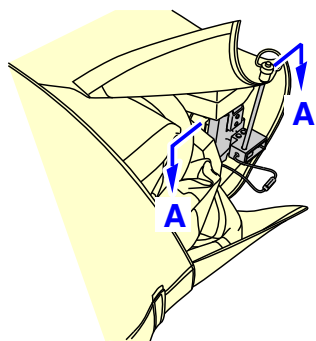


J

INFLATION FIRING CABLE
(ESCAPE SLIDE WITH TRIGGER HOUSING)

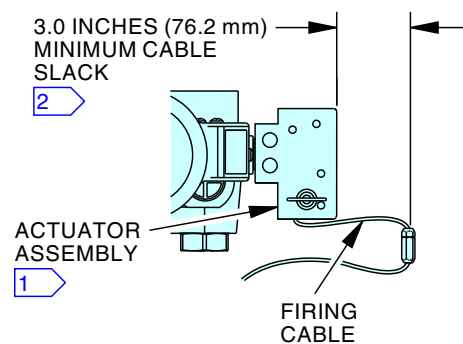


A-A

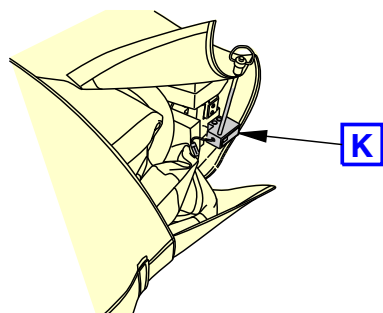


J

INFLATION FIRING CABLE
(ESCAPE SLIDE WITH ACTUATOR ASSEMBLY)

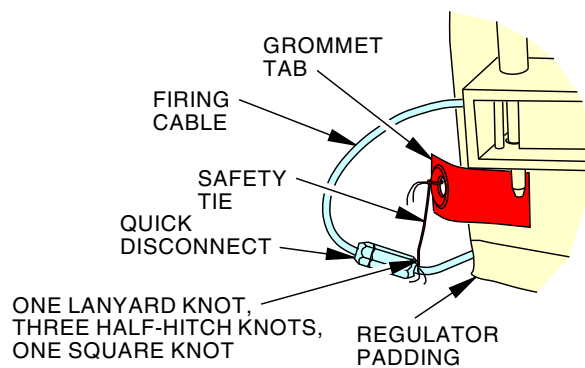


A-A



J

INFLATION FIRING CABLE
(WITH SAFETY TIE)
(EXAMPLE)



K

- 1 EACH ESCAPE SLIDE WILL HAVE ONE TRIGGER HOUSING OR ONE ACTUATOR ASSEMBLY.
- 2 IF THE SAFETY TIE IS INSTALLED ON THE FIRING CABLE, THE FIRING CABLE WILL HAVE THE MINIMUM AMOUNT OF SLACK REQUIRED.

2412023 S00061529728_V3

Escape System Installation
Figure 401/25-66-01-990-804 (Sheet 8 of 8)



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TASK 25-66-01-400-801

3. **Escape Slide Pack and Cover Installation**

(Figure 401)

NOTE: This procedure is a scheduled maintenance task.

A. General

(1) This task is for the installation of the escape slide pack and cover.

B. References

Reference	Title
25-66-01-200-801	Escape Slide Pack Inflation Cylinder Check (P/B 601)

C. Consumable Materials

Reference	Description	Specification
G50236	Tie - Cable Wrap - PLT1.5M	SS-5540

D. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
2	Escape slide pack and cover	25-66-01-01-010	SIA ALL
		25-66-01-02-025	SIA ALL
		25-66-01-03-025	SIA ALL
		25-66-01-04-025	SIA ALL

E. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

F. Prepare for the Installation

SUBTASK 25-66-01-410-001

(1) Make sure that the escape slide pack [26] is in the cover [3] (TASK 25-66-01-400-802).

SUBTASK 25-66-01-410-002

(2) Make sure that the door is closed and latched.

SUBTASK 25-66-01-410-003

(3) Do these steps to make sure that the safety pin [19] is not in the inflation cylinder valve [17]:

- Put the escape slide pack and cover [2] on a clean flat horizontal surface with the backing pan [11] against the clean flat horizontal surface.
- Remove the latch [7] from the latch bracket [13].
- Remove the tie wraps - PLT1.5M, G50236, from the girt bar [4] and the girt bar retainer clips [5].
- Remove the girt bar [4] from the girt bar retainer clips [5].
- Open the cover [3] sufficiently to see the inflation cylinder valve [17].

NOTE: When the compartment is open, the escape slide pack can expand. Plan the work so the compartment is open for a minimum time to avoid expansion of the escape slide pack.

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REMOVE THE SAFETY LOCK PIN ON THE SLIDE PACK. IF YOU DO NOT REMOVE THE SAFETY LOCK PIN, THE ESCAPE SLIDE WILL NOT INFLATE IN AN EMERGENCY.

- (f) Make sure that the safety pin [19] is not in the inflation cylinder valve [17].



BE CAREFUL WHEN YOU MOVE THE ESCAPE SLIDE PACK. WHEN THE SAFETY PIN IS REMOVED FROM THE INFLATION CYLINDER VALVE, THE ESCAPE SLIDE CAN ACCIDENTALLY INFLATE. THIS CAN CAUSE INJURIES TO PERSONS OR DAMAGE TO EQUIPMENT.

- (g) If it is necessary, remove the safety pin [19] from the inflation cylinder valve [17].
(h) Put the safety pin [19] into the pocket [18] on the escape slide pack [26].
(i) Close the cover [3].
(j) Install the girt bar [4] to the girt bar retainer clips [5].

NOTE: There are two types of girt bars. First configuration has a release stop assembly and a bar lock on opposite ends, and the second configuration has two bar locks, one on each end.

NOTE: The clip engagement area is between the nylon release stop assembly/bar lock and the thick part of the girt bar.

- 1) Make sure that the girt [6] is not caught in the girt bar retainer clips [5].

(k) Install the tie wraps - PLT1.5M, G50236, to secure the girt bar [4] to the girt bar retainer clips [5].
(l) Install the latch [7] into the latch bracket [13].

G. Escape Slide Pack and Cover Installation

SUBTASK 25-66-01-420-001



KEEP PERSONNEL, EQUIPMENT, AND OTHER ITEMS OUT OF THE HAZARDOUS ENERGY ZONES. INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT CAN OCCUR.

- (1) Install the escape slide pack and cover [2] on the door as follows:

NOTE: The escape slide weighs approximately 55 lb (25 kg).



BE CAREFUL WHEN YOU MOVE THE COMPONENT. THE COMPONENT IS HEAVY. INJURIES TO PERSONS CAN OCCUR.

- (a) Make sure that the ball end of the lower fitting [15] goes through the opening in the bottom support bracket [14].
(b) Push the top of the escape slide pack and cover [2] outboard until it is against the door.
NOTE: When the compartment is open, the escape slide pack can expand. Plan the work so the compartment is open for a minimum time to avoid the expansion of the escape slide pack.
(c) Install the two screws [9] and two washers [10] that attach the escape slide pack and cover [2] to the door as follows:

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- 1) Make sure that you use the correct length of screws [9] as noted in the removal procedure.
- (d) Remove the tie wraps - PLT1.5M, G50236, used to secure the girt bar [4] to the girt bar retainer clips [5].
- (e) Make sure that you can arm the escape slide by installing the girt bar [4] into the floor-mounted bracket [8].
- (f) Install the girt bar [4] into the girt bar retainer clip [5].

NOTE: The length of the girt bar for the FWD Door is 33.2 in. (84.3 cm) long.

The length for the girt bar for the AFT Door is 29.2 in. (74.2 cm) long.

NOTE: The clip engagement area is between the nylon release stop assembly/bar lock and the thick part of the girt bar.

- 1) Make sure that the girt [6] is not caught in the girt bar retainer clips [5].

H. Put the Airplane Back to Its Usual Condition

SUBTASK 25-66-01-200-001

- (1) Do this task: Escape Slide Pack Inflation Cylinder Check, TASK 25-66-01-200-801.

————— **END OF TASK** —————

TASK 25-66-01-000-802

4. Escape Slide Pack Removal

(Figure 401)

NOTE: This procedure is a scheduled maintenance task.

A. General

- (1) This task is for the removal of the escape slide pack.

B. Consumable Materials

Reference	Description	Specification
G50236	Tie - Cable Wrap - PLT1.5M	SS-5540

C. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

D. Prepare for the Removal

SUBTASK 25-66-01-010-001



KEEP PERSONNEL, EQUIPMENT, AND OTHER ITEMS OUT OF THE HAZARDOUS ENERGY ZONES. INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT CAN OCCUR.

- (1) Do this task: Escape Slide Pack and Cover Removal, TASK 25-66-01-000-801.

E. Escape Slide Pack Removal

SUBTASK 25-66-01-420-002

- (1) Remove the escape slide pack [26] from the cover [3] as follows:

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- (a) Remove the tie wraps - PLT1.5M, G50236 that attach the girt bar [4] to the girt bar retainer clips [5].
- (b) Remove the girt bar [4] from the girt bar retainer clip [5].
- (c) Remove the latch [7] from the latch bracket [13].
- (d) Open the cover [3] to get access to the bonding jumper [12].
NOTE: When the compartment is open, the escape slide pack can expand. Plan the work so the compartment is open for a minimum time to avoid the expansion of the escape slide pack.
- (e) Remove the pin [33], ladder tie [32], and stud [31] that attach the bonding jumpers [12] to the backing pan [11] as shown.
- (f) Fully open the cover [3] to get access to the escape slide pack [26].
- (g) Remove the safety pin [19] from the pocket [18] on the escape slide pack [26].



WARNING

IF THE SAFETY PIN IS NOT IN THE INFLATION CYLINDER VALVE, THE ESCAPE SLIDE CAN ACCIDENTALLY INFLATE. ACCIDENTAL INFLATION OF THE ESCAPE SLIDE CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.

- (h) Put the safety pin [19] into the inflation cylinder valve [17] as shown.
- (i) Remove the escape slide pack [26] from the backing pan [11] and put it on a clean horizontal surface.
NOTE: You must put the slide in the transport box immediately after removal from the backing pan. If it takes too long, the slide will grow and not fit into the backing pan.
- (j) If required, remove the locknut [29] and screw [27] to remove the latch [7] from the girt release strap [28].
NOTE: The latch [7] may be needed for a replacement escape slide.

————— **END OF TASK** —————

TASK 25-66-01-400-802

5. Escape Slide Pack Installation

(Figure 401)

NOTE: This procedure is a scheduled maintenance task.

A. General

- (1) This task is for the installation of the escape slide pack [26].

B. Consumable Materials

Reference	Description	Specification
D00113	Lubricant - Solid Film, Liquid Dispersed	BMS3-8
D00670	Oil - Penetrating (For Loosening Frozen Metallic Parts)	A-A-50493
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	AMS3819 Class 1 Grade A or B Form 1 (Supersede BMS15-5 CL A)
G50236	Tie - Cable Wrap - PLT1.5M	SS-5540

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C. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
26	Escape slide pack	25-66-01-01-385	SIA ALL
		25-66-01-01-420	SIA ALL
		25-66-01-02-384	SIA ALL
		25-66-01-02-410	SIA ALL
		25-66-01-03-390	SIA ALL
		25-66-01-03-420	SIA ALL
		25-66-01-04-390	SIA ALL
		25-66-01-04-420	SIA ALL

D. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

E. Prepare for the Installation

SUBTASK 25-66-01-860-003

- (1) Make sure that the cover [3] and backing pan [11] are on a clean horizontal surface with the backing pan [11] against the clean horizontal surface.

SUBTASK 25-66-01-860-004

- (2) Make sure that the cover [3] is open.

NOTE: When the compartment is open, the escape slide pack [26] can expand. Plan the work so the compartment is open for a minimum time to avoid the expansion of the escape slide pack.

SUBTASK 25-66-01-600-001

- (3) Lubricate the latch assembly as follows:
- (a) Inspect the escape slide latch component for damage to the solid film lubricant.
 - 1) If damage is found, remove and reapply solid film lubricant, D00113, to the escape slide latch.
 - (b) Apply penetrating oil, D00670, to the two pins [39] and allow the oil to penetrate.
 - (c) Apply penetrating oil, D00670, to the two pins [39] again to make sure that the oil fully penetrates the pins.
 - (d) Wipe the excess penetrating oil, D00670, from the latch assembly with a cotton wiper, G00034.

SUBTASK 25-66-01-700-001

- (4) Do a check of the latch release as follows (View I, Figure 401):
- (a) Move the latch block to the left or right side until the latch block cannot move.

NOTE: The test starts when you pull the latch block to the side and it cannot continue to move.
 - (b) Use a spring force scale to pull the latch chain or cable in the same direction $10 \pm 5^\circ$ arc (0.17 ± 0.09 rad).
 - (c) Make sure that the latch assembly releases with no more than 30 lbf (133 N).

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SUBTASK 25-66-01-700-002

- (5) Do the following steps for the check of the latch release again:
- (a) Move the latch block in the opposite direction until the latch block cannot move.
NOTE: To complete the latch release check, it is necessary to do the check again in the opposite direction.
 - (b) Use a spring force scale to pull the latch chain or cable in the same direction $10 \pm 5^\circ$ arc (0.17 ± 0.09 rad).
 - (c) Make sure that the latch assembly releases with no more than 30 lbf (133 N).

SUBTASK 25-66-01-860-005



WARNING

IF THE SAFETY PIN IS NOT IN THE INFLATION CYLINDER VALVE, THE ESCAPE SLIDE CAN ACCIDENTALLY INFLATE. ACCIDENTAL INFLATION OF THE ESCAPE SLIDE CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.

- (6) Make sure that the safety pin [19] is in the inflation cylinder valve [17].

F. Installation of the Escape Slide Pack

SUBTASK 25-66-01-420-003

- (1) Install the escape slide pack [26] in the cover [3] as follows:
- NOTE: The slide must be installed in the backing pan immediately after removal from the transport box. If it takes too long, the slide will grow and not fit into the backing pan.
- (a) Put the escape slide pack [26] in the backing pan [11].
NOTE: If the escape slide pack expands and can not be fitted into the compartment, the escape slide pack must be installed.
 - (b) Carefully extend the girt [6].
 - (c) Make a "Z" fold [21] in the girt [6] as shown.
 - (d) Align and push together the velcro strips [24] on the bottom side of the girt [6] with the velcro strips [24] on the backing pan shelf [22].
 - (e) Make sure that the velcro strips [24] on the bottom side of the girt [6] and on the backing pan shelf [22] are clean and function as intended.
 - 1) If the velcro strip [24] is not clean and does not function as intended, replace the velcro strip [24].
 - a) Remove the three rivets that attach the velcro strip [24] to the backing pan shelf [22] (SRM 51-40-02).
 - b) Replace the velcro strip [24].
 - c) Install the three rivets to attach the velcro strip [24] to the backing pan shelf [22] (SRM 51-40-02).
 - (f) Align and push together the velcro strips [24] on the girt flap retainer [20] and the velcro strips [24] on the girt [6].
 - (g) If required, install the screw [27] and locknut [29] to attach the latch [7] to the girt release strap [28].
 - 1) Make sure that the screw [27] extends through the locknut [29] by 1 to 2 threads.
 - (h) Make sure that there is the minimum amount of slack in the inflation firing cable [30] near the inflation cylinder valve [17].

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NOTE: If the safety tie is installed on the firing cable, the firing cable will have the minimum amount of slack required.

SIA ALL

- (i) If there is not enough slack in the inflation firing cable [30], do these steps:
 - 1) Make sure that the safety pin [19] is installed.
 - 2) Make sure that the slide is correctly installed in the backing pan [11].
 - 3) Make sure that the "Z" fold [21] in the girt [6] is correct.
 - 4) Make sure that the velcro strip [24] on the girt flap retainer [20] and velcro strip [24] on the girt [6] are attached.
 - 5) Make sure that there is the minimum amount of slack in the inflation firing cable [30] near the inflation cylinder valve [17] as follows:

SIA 006-999; SIA 001-005 POST SB 737-25-1866

NOTE: If the safety tie is installed on the firing cable, the firing cable will have the minimum amount of slack required.

SIA ALL

- a) Hold the inflation firing cable [30] at the inflation cylinder valve [17].
- b) Pull the slack in the inflation firing cable [30] away from the girt [6], in the direction of the inflation cylinder valve [17] until you get the minimum amount of slack.

NOTE: If the minimum slack is not achieved, the escape slide pack must be repacked.

- c) Place the slack in the firing cable between the back of the aspirator and the inflation cylinder valve [17].



WARNING

BE CAREFUL WHEN YOU HANDLE THE ESCAPE SLIDE PACK. WHEN THE SAFETY PIN IS REMOVED FROM THE INFLATION CYLINDER VALVE, THE ESCAPE SLIDE CAN ACCIDENTALLY INFLATE. THIS CAN CAUSE INJURIES TO PERSONS OR DAMAGE TO EQUIPMENT.

- (j) Remove the safety pin [19] from the inflation cylinder valve [17].
- (k) Put the safety pin [19] into the pocket [18] on the escape slide pack [26].
- (l) Close the cover [3].
- (m) Make sure that you can clearly see the pressure gauge [16] of the inflation cylinder in the window [1].
- (n) If it is necessary, adjust as follows:
 - 1) Fully open the cover [3] to get access to the escape slide pack [26].
 - 2) Remove the safety pin [19] from the pocket [18] and install safety pin [19] in the inflation cylinder valve [17].
 - 3) Move the escape slide pack [26] to get the pressure gauge [16] in the center of the window [1].
 - 4) Make sure that there is the minimum amount of slack in the inflation firing cable [30] near the inflation cylinder valve [17] as follows:

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NOTE: If the safety tie is installed on the firing cable, the firing cable will have the minimum amount of slack required.

SIA ALL

- a) Hold the inflation firing cable [30] at the inflation cylinder valve [17].
- b) Pull the slack in the inflation firing cable [30] away from the girt [6], in the direction of the inflation cylinder valve [17] until you get the minimum amount of slack

NOTE: If the minimum slack is not achieved, the escape slide pack must be repacked.

- c) Place the slack in the firing cable between the back of the aspirator and the inflation cylinder valve [17].
- 5) Remove the safety pin [19] from the inflation cylinder valve [17].
- 6) Put the safety pin [19] into the pocket [18] on the escape slide pack [26].
- (o) Close the cover [3] sufficiently to connect the bonding jumpers [12] to the backing pan [11].
- (p) Install the stud [31], ladder tie [32] and pin [33] to attach the bonding jumpers [12] to the backing pan [11].
- (q) Close the cover [3].
- (r) Make sure that the distance between the center of the lower edge of the cover [3] to the center of the girt bar [4] is 10.5 in. (266.7 mm) to 12.0 in. (304.8 mm).
- (s) Align the holes in the latch bracket [13] and latch bracket [35] to install the latch [7].
- (t) Install the latch [7] in the latch bracket [13] and latch bracket [35] as shown.
- (u) Make sure that the sum of the clearances at 'A' and 'B' between the latch bracket [13] and latch bracket [35] is no more than 0.01 in. (0.25 mm).
- (v) Install the girt bar [4] in the girt bar retainer clips [5].

NOTE: There are two types of girt bars. First configuration has a release stop assembly and a bar lock on opposite ends, and the second configuration has two bar locks, one on each end.

NOTE: The clip engagement area is between the nylon release stop assembly/bar lock and thick part of the girt bar.

- 1) Make sure that the girt [6] is not caught in the girt bar retainer clips [5].
- 2) Use tie wraps - PLT1.5M, G50236, to attach the girt bar [4] to the girt bar retainer clips [5].

————— END OF TASK —————

TASK 25-66-01-400-804

6. Escape Slide Pack Installation (Unscheduled)

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
G50236	Tie - Cable Wrap - PLT1.5M	SS-5540

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B. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

C. Prepare for the Installation

SUBTASK 25-66-01-860-008

- (1) Make sure that the cover [3] and backing pan [11] are on a clean horizontal surface with the backing pan [11] against the clean horizontal surface.

SUBTASK 25-66-01-860-009

- (2) Make sure that the cover [3] is open.

NOTE: When the compartment is open, the escape slide pack [26] can expand. Plan the work so the compartment is open for a minimum time to avoid the expansion of the escape slide pack [26].

SUBTASK 25-66-01-700-003

- (3) Do a check of the latch release (Figure 401).
 - (a) Move the latch block to the left or right side until the latch block cannot move.

NOTE: The test starts when you pull the latch block to the side and it cannot continue to move.
 - (b) Use a spring force scale to pull the latch chain in the same direction.
 - 1) Pull the latch chain or cable in the same direction $10 \pm 5^\circ$ arc (0.17 ± 0.09 rad).
 - (c) Make sure that the latch assembly releases with no more than 30 lbf (133 N).

SUBTASK 25-66-01-700-004

- (4) Do the steps for the check of the latch release again.
 - (a) Move the latch block in the opposite direction.

NOTE: To complete the latch release check, it is necessary to do the check again in the opposite direction.

SUBTASK 25-66-01-420-004

 WARNING	IF THE SAFETY PIN IS NOT IN THE INFLATION CYLINDER VALVE, THE ESCAPE SLIDE CAN ACCIDENTALLY INFLATE. ACCIDENTAL INFLATION OF THE ESCAPE SLIDE CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.

- (5) Make sure that the safety pin [19] is in the inflation cylinder valve [17].

D. Installation of the Escape Slide Pack

SUBTASK 25-66-01-400-001

- (1) Install the escape slide pack [26] in the cover [3] as follows:

NOTE: The slide must be installed in the backing pan [11] immediately after removal from the transport box. If it takes too long, the slide will grow and not fit into the backing pan [11].

 - (a) Put the escape slide pack [26] in the backing pan [11].

NOTE: If the escape slide pack [26] expands and can not be fitted into the compartment, a new escape slide pack [26] must be installed.

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- (b) Carefully extend the girt [6].
- (c) Make a "Z" fold [21] in the girt [6] as shown.
- (d) Align and push together the velcro strip [24] on the bottom side of the girt [6] with the velcro strip [24] on the backing pan shelf [22].
- (e) Make sure that the velcro strips [24] on the bottom side of the girt [6] and on the backing pan shelf [22] are clean and function as intended.
 - 1) If the velcro strip [24] is not clean and does not function as intended, replace the velcro strip [24].
 - a) Remove the three rivets that attach the velcro strip [24] to the backing pan shelf [22] (SRM 51-40-02).
 - b) Replace the velcro strip [24].
 - c) Install the three rivets to attach the velcro strip [24] to the backing pan shelf [22] (SRM 51-40-02).
- (f) Align and push together the velcro strip [24] on the girt flap retainer [20] and the velcro strip [24] on the girt [6].
- (g) If required, install the screw [27] and locknut [29] to attach the latch [7] to the girt release strap [28].
 - 1) Make sure that the screw [27] extends through the locknut [29] by 1 to 2 threads.
- (h) Make sure that there is at least the minimum amount of slack in the inflation firing cable [30] near the inflation cylinder valve [17] (Figure 401).

SIA 006-999; SIA 001-005 POST SB 737-25-1866

NOTE: If the safety tie is installed on the firing cable, the firing cable will have the minimum amount of slack required.

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- (i) If there is not enough slack in the inflation firing cable [30] (Figure 401), do these steps:
 - 1) Do not remove the safety pin [19].
 - 2) Make sure that the slide is correctly installed in the backing pan [11].
 - 3) Make sure the "Z" fold [21] in the girt [6] is correct. Make sure that the velcro strip [24] on the girt flap retainer [20] and the velcro strip [24] on the girt [6] are attached.
 - 4) Make sure that there is at least the minimum amount of slack in the inflation firing cable [30] near the inflation cylinder valve [17] (Figure 401).

SIA 006-999; SIA 001-005 POST SB 737-25-1866

NOTE: If the safety tie is installed on the firing cable, the firing cable will have the minimum amount of slack required.

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- a) Hold the inflation firing cable [30] at the inflation cylinder valve [17] and pull the slack from the cable.
 - <1> Pull the slack in the inflation firing cable [30] away from the girt [6], in the direction of the inflation cylinder valve [17] until all slack is removed and the minimum amount of slack is achieved. If the minimum slack is not achieved, the escape slide pack [26] must be repacked.

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- <2> Place the slack in the firing cable between the back of the aspirator and the inflation cylinder valve [17].



WARNING

BE CAREFUL WHEN YOU HANDLE THE ESCAPE SLIDE PACK. WHEN THE SAFETY PIN IS REMOVED FROM THE INFLATION CYLINDER VALVE, THE ESCAPE SLIDE CAN ACCIDENTALLY INFLATE. THIS CAN CAUSE INJURIES TO PERSONS OR DAMAGE TO EQUIPMENT.

- (j) Carefully remove the safety pin [19] from the inflation cylinder valve [17].
- (k) Put the safety pin [19] into the pocket [18] on the escape slide pack [26].
- (l) Close the cover [3].
- (m) Make sure that you can clearly see the pressure gauge [16] of the inflation cylinder in the window [1]. If necessary, adjust as follows:
 - 1) Fully open the cover [3] to get access to the escape slide pack [26]
 - 2) Remove the safety pin [19] from the pocket [18] and install the safety pin [19] in the inflation cylinder valve [17].
 - 3) Move the escape slide pack [26] to get the pressure gauge [16] in the center of the window [1].
 - 4) Make sure that there is the minimum amount of slack in the inflation firing cable [30] near the inflation cylinder valve [17] (Figure 401).
 - a) Hold the inflation firing cable [30] at the inflation cylinder valve [17] and pull the slack from the cable.
 - <1> Pull the slack in the inflation firing cable [30] away from the girt [6], in the direction of the inflation cylinder valve [17] until all slack is removed and the minimum amount of slack is achieved. If the minimum slack is not achieved, the escape slide pack [26] must be repacked.
 - <2> Place the slack in the firing cable between the back of the aspirator and the inflation cylinder valve [17].
 - 5) Remove the safety pin [19] from the inflation cylinder valve [17].
 - 6) Put the safety pin [19] into the pocket [18] on the escape slide pack [26].
- (n) Close the cover [3] sufficiently to connect the bonding jumpers [12] to the backing pan [11].
- (o) Install the stud [31], ladder tie [32], and pin [33] to attach the bonding jumpers [12] to the backing pan [11].
- (p) Close the cover [3].
- (q) Make sure that the distance between the center of the lower edge of the cover [3] to the center of the girt bar [4] is 10.5 in. (266.7 mm) to 12.0 in. (304.8 mm).
- (r) Align the holes in the latch bracket [13] and latch bracket [35] to install the latch [7].
- (s) Install the latch [7] in the latch bracket [13] and latch bracket [35] as shown.
- (t) Make sure that the sum of the clearances at 'A' and 'B' between the latch bracket [13] and latch bracket [35] is no more than 0.01 in. (0.25 mm) (Figure 401).
- (u) Make sure that you can arm the escape slide by installing the girt bar [4] into the floor-mounted bracket [8] between the release stop assembly [37]/bar lock [40] and the girt [6].



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- (v) Install the girt bar [4] in the girt bar retainer clip [5].

NOTE: There are two types of girt bars. First configuration has a release stop assembly [37] and a bar lock [40] on opposite ends, and the second configuration has two bar locks [40], one on each end.

NOTE: : The clip engagement area is between the nylon release stop assembly [37]/bar lock [40] and the thick part of the girt bar [4].

- 1) Make sure that the girt [6] is not caught in the girt bar retainer clips [5].

- (w) Use tie wrap - PLT1.5M, G50236 to attach the girt bar [4] to the girt bar retainer clip [5].

————— END OF TASK —————

TASK 25-66-01-000-803

7. Escape Slide Girt Bar Removal

(Figure 401)

A. General

- (1) This task is for the removal of the escape slide girt bar.

B. Tools/Equipment

Reference	Description
STD-1242	Hammer - Standard
STD-3908	Punch - Standard

C. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

D. Prepare for the Removal

SUBTASK 25-66-01-860-006

- (1) Make sure that the door is fully closed or fully open.

SUBTASK 25-66-01-020-006

- (2) Remove the girt bar [4] from the girt bar retainer clips [5].

E. Escape Slide Girt Bar Removal

SUBTASK 25-66-01-020-002

- (1) For the girt bars [4] with bar lock [40] and spring pin [41] on each end of the girt bar [4], do these steps:
- (a) Use the standard hammer, STD-1242, and standard punch, STD-3908, to remove one spring pin [41] from one of the bar locks [40].
- NOTE: Use pliers to help in the removal when the spring pin is not fully out of the bar lock.
- (b) Slide the bar lock [40] off the girt bar [4].
- (c) Pull the girt bar [4] out of the girt [6].
- 1) Record the length of the girt bar [4] for each door for the installation task.

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SUBTASK 25-66-01-020-003

- (2) For the girt bars [4] with a release stop assembly [37] and spring clip [38], do these steps:
 - (a) Use a flat head screw driver or equivalent to lift the spring clip [38] until the pin comes out of the hole in the release stop assembly [37].
 - (b) Slide the release stop assembly [37] off the girt bar [4].
 - (c) Pull the girt bar [4] out of the girt [6].
 - 1) Record the length of the girt bar [4] for each door for the subsequent installation task.

————— END OF TASK —————

TASK 25-66-01-400-803

8. Escape Slide Girt Bar Installation

(Figure 401)

A. General

- (1) This task is for the installation of the escape slide girt bar.

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
4	Girt bar	25-66-01-01-390	SIA ALL
		25-66-01-02-386	SIA ALL
		25-66-01-03-392	SIA ALL
		25-66-01-04-395	SIA ALL

C. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

D. Prepare for the Installation

SUBTASK 25-66-01-860-007

- (1) Make sure that the door is fully closed or fully open.

E. Escape Slide Girt Bar Installation

SUBTASK 25-66-01-020-004

- (1) For the girt bars with a bar lock [40] and spring pin [41] on each end of the girt bar [4], do these steps:
 - (a) Refer to the length of the girt bar recorded during the removal task.
 - (b) Make sure that you install the correct length girt bar for each door.

NOTE: The length of the girt bar for the FWD Door is 33.2 in. (84.3 cm) long.
The length for the girt bar for the AFT Door is 29.2 in. (74.2 cm) long.
 - (c) With a bar lock [40] and spring pin [41] removed from one end, slide the girt bar [4] through the girt [6].
 - (d) Slide the bar lock [40] on to the girt bar [4].
 - (e) Align the holes in the bar lock [40] with the holes in the girt bar [4].

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- (f) Install a spring pin [41] in the hole.

NOTE: The spring pin should be flush with each end of the sleeve when completed.

SUBTASK 25-66-01-020-005

- (2) For the girt bars with the release stop assembly [37] and spring clip [38], do these steps:

- (a) Refer to the length of the girt bar recorded during the removal task.
- (b) Make sure that you install the correct length girt bar for each door.
- (c) With the release stop assembly [37] removed from the girt bar [4], slide the girt bar through the girt [6].
- (d) Slide the release stop assembly [37] on to the girt bar [4].
- (e) Align the hole in the girt bar [4] with the hole in the release stop assembly [37].

NOTE: When the holes are properly aligned, the spring clip pin will release and engage the hole on the release stop assembly and girt bar.

- (f) When the spring clip [38] is engaged, make sure that the release stop assembly [37] will not rotate around the girt bar [4].

NOTE: The release stop assembly will not rotate when installed correctly.

———— **END OF TASK** ————

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DOOR-MOUNTED ESCAPE SYSTEM - INSPECTION/CHECK

1. General

- A. This procedure has these tasks:
- (1) Escape Slide Pack Inflation Cylinder Check.
 - (2) Escape Slide Pack Check.

TASK 25-66-01-200-801

2. Escape Slide Pack Inflation Cylinder Check

(Figure 601)

A. **General**

- (1) The pressure gage of the escape slide pack inflation cylinder has a temperature compensator.

B. **Location Zones**

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

C. **Escape Slide Pack Inflation Cylinder Check**

SUBTASK 25-66-01-210-001

- (1) Do a check of the inflation cylinder pressure level:
 - (a) Make sure the inflation cylinder temperature is constant (± 5 degrees F / ± 3 degrees C) for two hours or more.
 - (b) Look through the window in the cover at the inflation cylinder pressure gage.
 - (c) Make sure the pressure indicator needle is in the GO band (green) or not more than one needle width to the right of the GO band (green).

NOTE: It is best to do a check on the pressure gage when it has been at a constant temperature for 2 hours or more. The GO band (green) moves more quickly than the pressure gage needle in response to a large temperature change. This can cause an incorrect pressure indication.

- (d) If you will do an initial install of the escape slide assembly, make sure the pressure indicator needle aligns with the black line on the GO band (green).

NOTE: The escape slide will operate with the pressure indicator needle at the left side of the GO band (green). This is not recommended for the initial installation of the escape slide assembly.

————— **END OF TASK** —————

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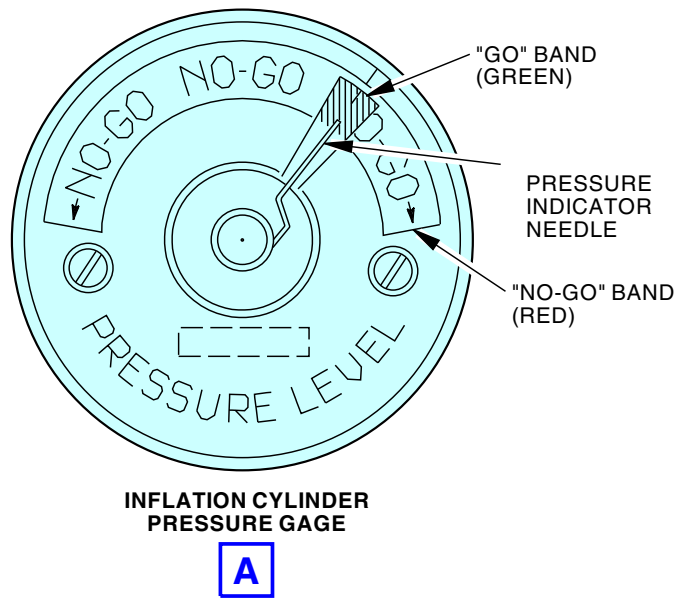
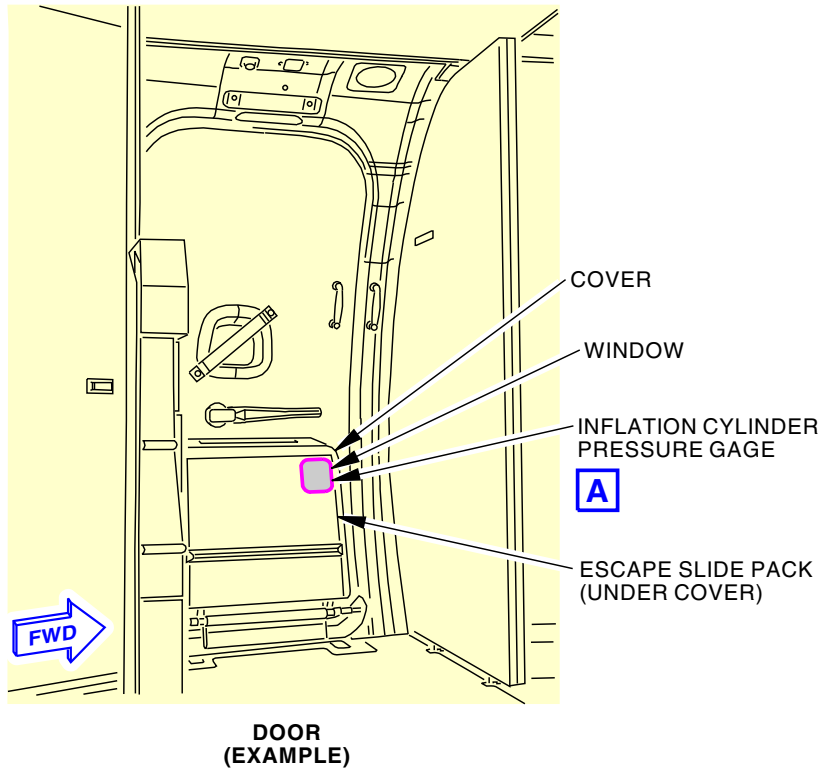
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**Escape Slide Pack Inflation Cylinder Check
Figure 601/25-66-01-990-805**

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TASK 25-66-01-200-802

3. Escape Slide Pack Check

(Figure 602)

A. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

B. Escape Slide Pack Check

SUBTASK 25-66-01-210-002

(1) Do a check of the escape slide pack as follows:

- (a) Examine the escape slide girt for fraying.
- (b) Look for worn areas.
- (c) Repair or replace the slide pack or the girt if you find damage that could cause the slide to operate incorrectly.

NOTE: Refer to the vendor Component Maintenance Manual (CMM) for repair instructions.

- (d) Make sure velcro strips on the girt are attached to velcro strips on the backing pan shelf.
- (e) Make sure the fasteners that attach the escape slide pack cover to the door are tight.
- (f) Examine the escape slide girt bar:
 - 1) Remove the girt bar from the girt bar retainer clips.
 - 2) Remove the pins and collars to release the girt bar.
 - 3) Make sure there is no corrosion on the girt bar.
 - 4) Examine the girt bar retainer clips as follows:
 - a) Make sure that there is no deformation in the retainer clips (view B, Figure 602).
 - b) If there is retainer clip deformation, replace the clips or bend the clips to conform with (view B, Figure 602).
 - 5) Install the pins and collars on the girt bar.
 - 6) Install the girt bar in the girt bar retainer clips.
 - a) Make sure that the girt bar is firmly positioned in the retainer clips.
- (g) Make sure there is no corrosion on the latch.
 - 1) Make sure that the spring pins are not corroded or bent.
- (h) Do a check of the latch assembly.
 - 1) Make sure that the latch block assembly turns freely.
 - 2) Make sure that the clevis bolt turns freely in the latch block.
- (i) Make sure that the latch operates easily through its range of angular movement.

————— END OF TASK —————

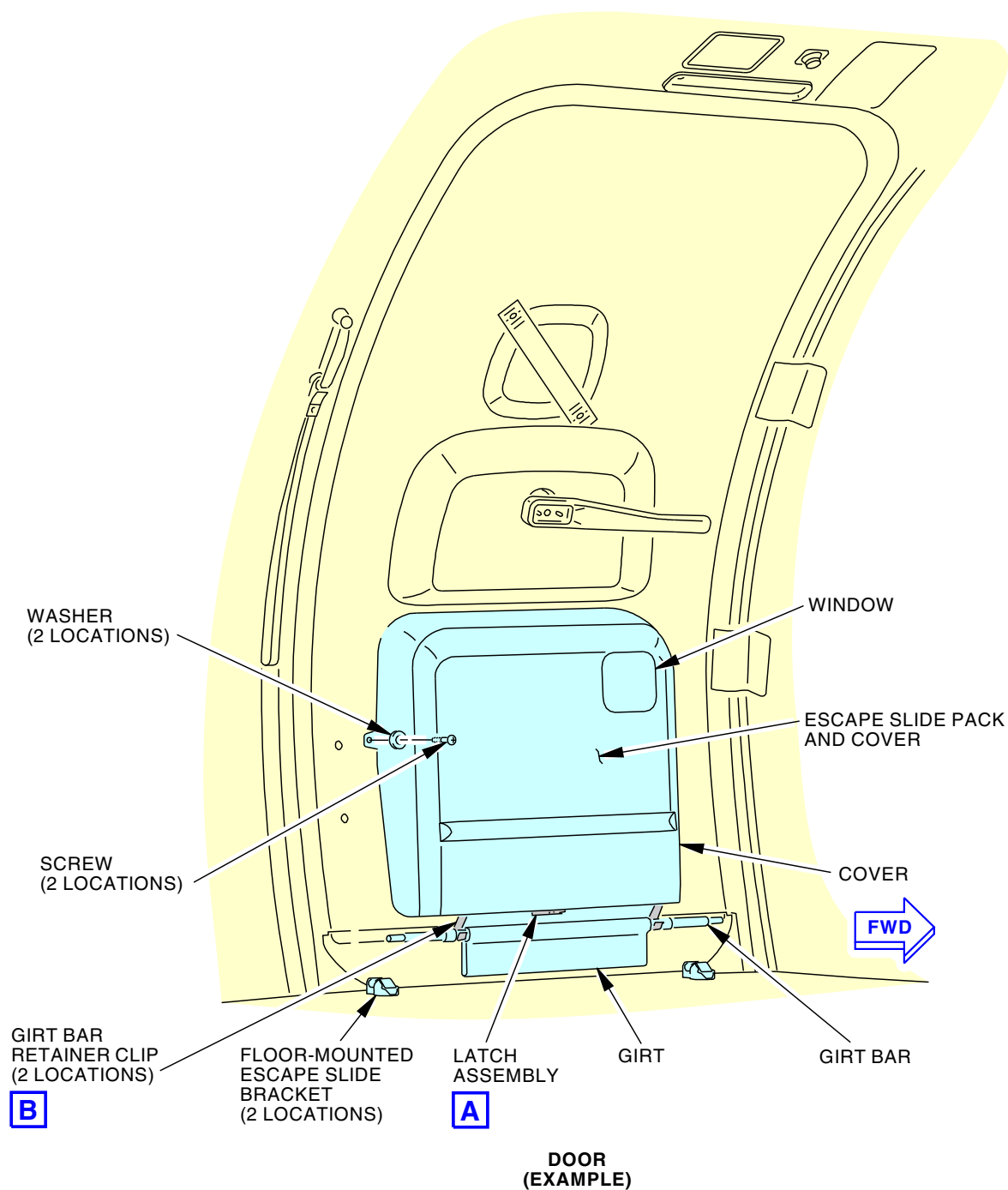
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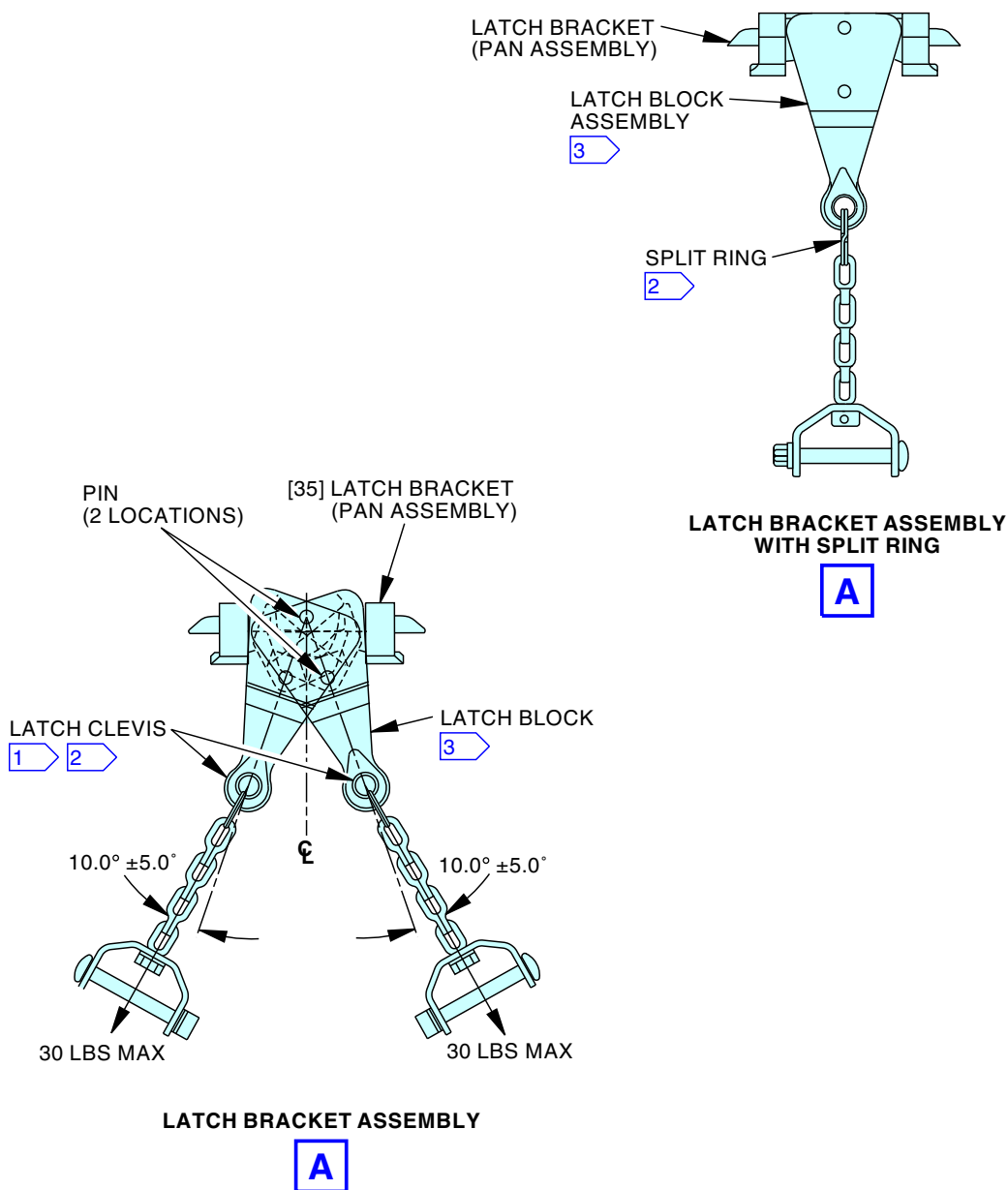
Escape System Inspection
Figure 602/25-66-01-990-803 (Sheet 1 of 3)

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- 1 MAKE SURE THAT THE CLEVIS CAN ROTATE FREELY IN THE LATCH BLOCK ASSEMBLY.
- 2 EACH ESCAPE SLIDE WILL HAVE ONE LATCH CLEVIS OR ONE SPLIT RING.
- 3 THE LATCH ASSEMBLY RELEASES AT 10 DEGREES, ± 5 DEGREES, WITH A MAXIMUM OF 30 LBF (133.45 NM).

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Escape System Inspection
Figure 602/25-66-01-990-803 (Sheet 2 of 3)

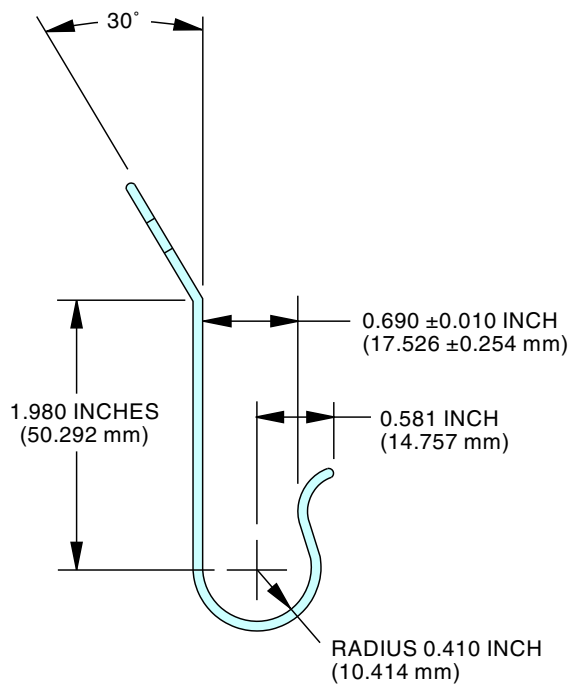
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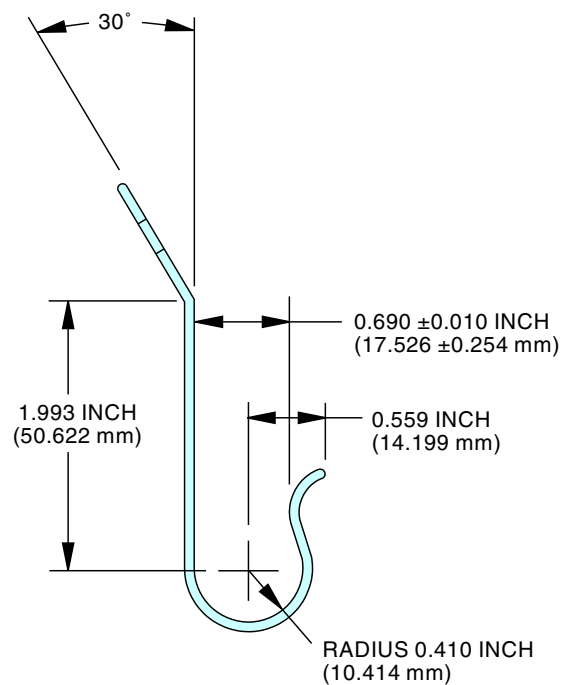
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**GIRT BAR RETAINER CLIP
65C16820-11
(2 LOCATIONS)**

B



**GIRT BAR RETAINER CLIP
65C16820-12
(2 LOCATIONS)**

B

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**Escape System Inspection
Figure 602/25-66-01-990-803 (Sheet 3 of 3)**

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FLOOR-MOUNTED ESCAPE SLIDE BRACKETS - MAINTENANCE PRACTICES

1. General

A. This procedure has these tasks:

- (1) A removal of the entry or galley service door floor-mounted escape slide brackets.
- (2) An installation of the entry or galley service door floor-mounted escape slide brackets.

B. There are two floor-mounted escape slide brackets: one on each side of the door sill. The removal and installation of the brackets are the same.

TASK 25-66-02-000-801

2. Floor-Mounted Escape Slide Bracket Removal

(Figure 201)

A. **Location Zones**

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

B. **Floor-Mounted Escape Slide Bracket Removal**

SUBTASK 25-66-02-020-001

- (1) Remove the bracket [1] of the floor-mounted escape slide floor:
 - (a) Remove the bolts [2] and lock washers [3] that attach the bracket [1] to the adapter plate [5].
 - (b) Pull the bracket [1] and shim [7] from the adapter plate [5].
 - (c) Remove the screws [6] that attach the adapter plate [5] to the floor.
 - 1) Identify the screws [6] and their correct locations for the subsequent installation.
 - (d) Remove the adapter plate [5] from the floor.

————— **END OF TASK** —————

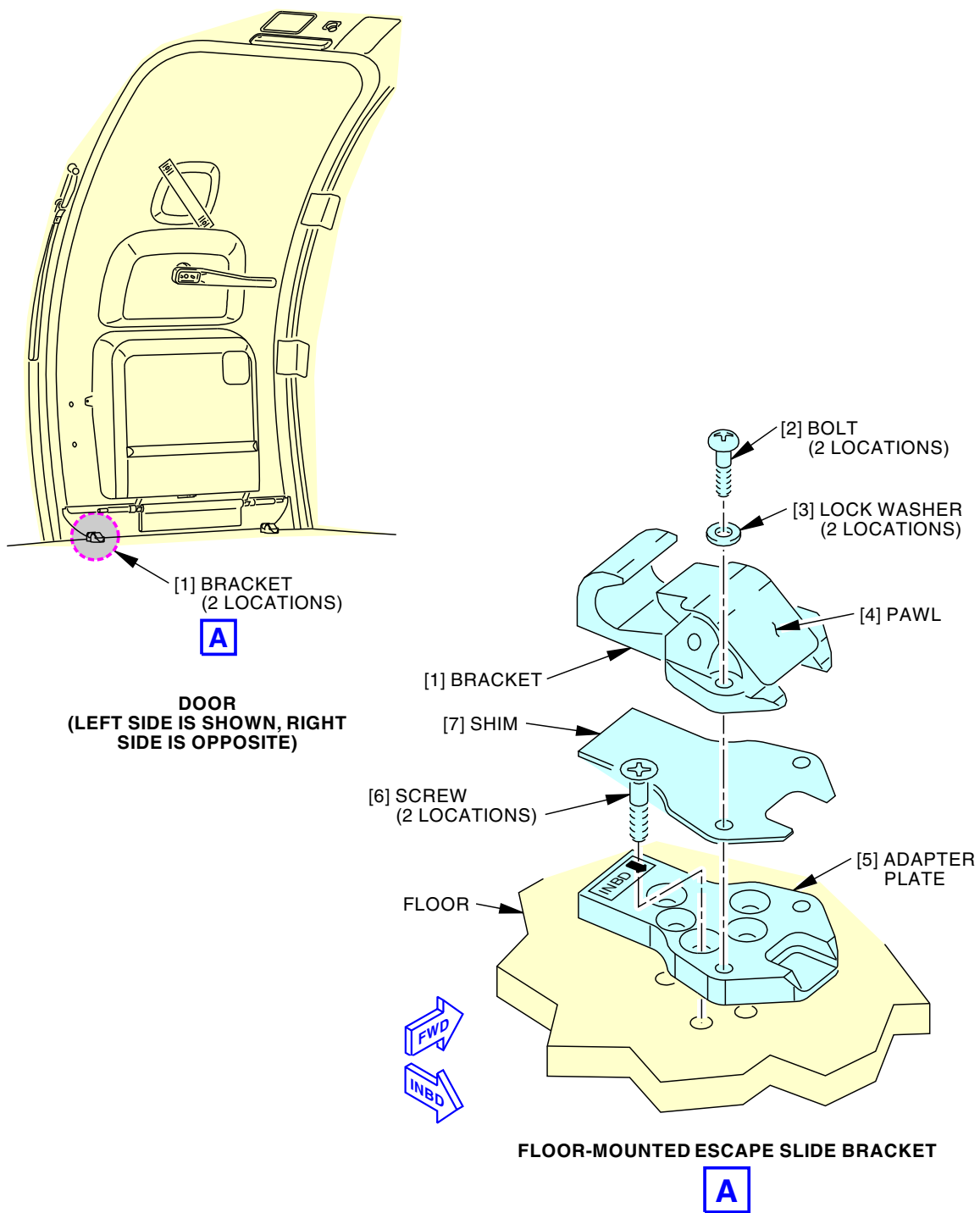
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Floor-Mounted Escape Slide Bracket Installation
Figure 201/25-66-02-990-802

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TASK 25-66-02-400-801

3. **Floor-Mounted Escape Slide Bracket Installation**

(Figure 201)

A. Consumable Materials

Reference	Description	Specification
A50030	Adhesive - Translucent RT Vulcanizing Silicone Rubber - RTV6708	BAC5010 Type 109 Grade 2
B00184	Solvent - Presealing, Cleaning Solvent	BMS11-7
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	AMS3819 Class 1 Grade A or B Form 1 (Supersede BMS15-5 CL A)

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Bracket	25-66-02-01-010	SIA ALL
		25-66-02-01-210	SIA ALL
		25-66-02-02-010	SIA ALL

C. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

D. Floor-Mounted Escape Slide Bracket Installation

SUBTASK 25-66-02-420-001

- (1) Install the bracket [1] of the floor-mounted escape slide floor:
 - (a) Examine the adapter plate [5] for corrosion.
 - (b) If you find corrosion, replace the adapter plate [5].
 - (c) Clean the screws [6] and holes in the adapter plate [5] with solvent, B00184.
 - (d) Dry the screws [6] and holes in the adapter plate [5] with a clean cotton wiper, G00034.
 - (e) Apply RTV6708 adhesive, A50030, to the screws [6], all holes in the adapter plate [5], and both sides of the adapter plate [5].
 - (f) Put the adapter plate [5] over the holes in the floor.

NOTE: There is a placard on the adapter plate. Obey the direction of the arrow on the placard.
 - (g) Install the screws [6].
 - (h) Make sure that the pawl [4] is installed on the bracket [1].
 - (i) Put the shim [7] and bracket [1] in their correct position on the adapter plate [5].
 - (j) Clean the bolts [2] with solvent, B00184.
 - (k) Dry the bolts [2] with a clean cotton wiper, G00034.
 - (l) Apply RTV6708 adhesive, A50030, to the threads of the bolts [2].
 - (m) Install the bolts [2] and lock washers [3] to attach the bracket [1] to the adapter plate [5].

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- (n) Make sure that the adapter plate [5] and bracket [1] are in the correct position.

E. Installation Test

SUBTASK 25-66-02-210-001

- (1) Do a check on the brackets [1] as follows:

- (a) Make sure that the door is safe:

- 1) Make sure that the door is closed and latched.



MAKE SURE THAT THE GIRT BAR IS NOT ENGAGED IN THE BRACKETS OF THE FLOOR-MOUNTED ESCAPE SLIDE. IF THE GIRT BAR IS ENGAGED IN THE BRACKETS, THE ESCAPE SYSTEM CAN OPERATE WHEN YOU OPEN THE DOOR. THIS CAN CAUSE INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT.

- 2) Make sure that the girt bar is not engaged in the brackets [1].
3) Put the orange slide warning pennant across the window.
- (b) Remove the girt bar from the girt bar retainers on the cover.
(c) Install the girt bar in the brackets [1].
(d) Make sure that the brackets [1] operate correctly.
(e) Remove the girt bar from the brackets [1].
(f) Install the girt bar in the girt bar retainer on the cover.
(g) Remove the orange slide warning pennant from across the window.

———— **END OF TASK** ————

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INSULATION BLANKET - REMOVAL/INSTALLATION

1. General

- A. This procedure has these tasks:
- (1) Insulation blanket removal
 - (2) Insulation blanket installation.

TASK 25-80-00-000-801

2. Insulation Blanket Removal

(Figure 401)

A. **General**

- (1) This task gives the instructions to remove the insulation blanket.

B. **Location Zones**

Zone	Area
100	Lower Half of Fuselage
100	Lower Half of Fuselage
200	Upper Half of Fuselage

C. **Insulation Blanket Removal**

SUBTASK 25-80-00-010-001

- (1) Remove the applicable panels and parts from the airplane interior for access to the insulation blankets [1] that you want to remove.

SUBTASK 25-80-00-930-001

- (2) Put a tag on the blankets [1] to help you install them in the correct positions, where necessary.

SUBTASK 25-80-00-020-001

- (3) Remove the disks [4] from the index pins [3].

SUBTASK 25-80-00-020-002

- (4) Roll the clamps [5] off of the insulation blankets [1].

SUBTASK 25-80-00-020-003

- (5) Remove the insulation blankets [1], moisture control blankets or capstrips [2].

———— **END OF TASK** ————

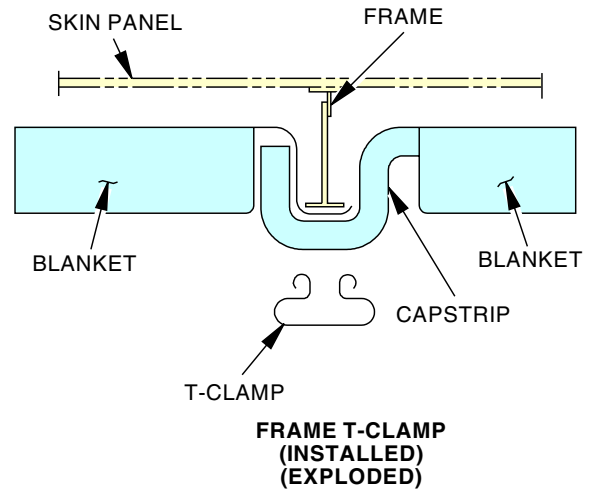
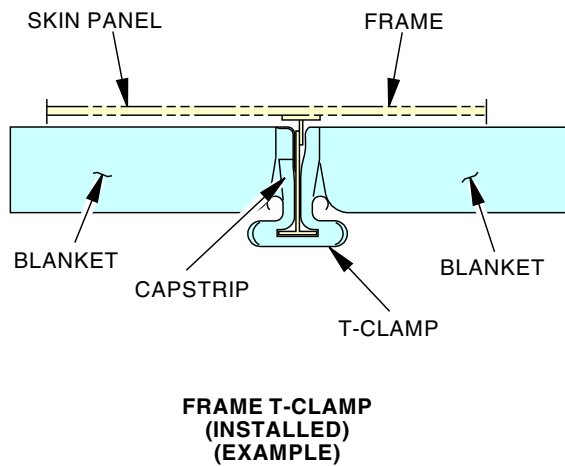
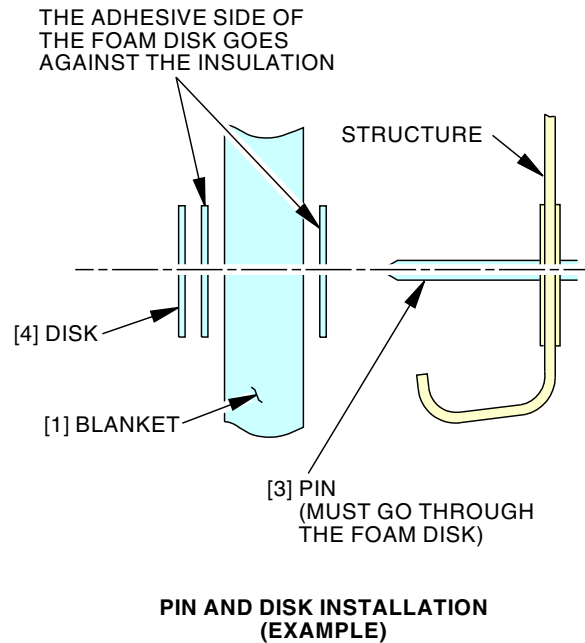
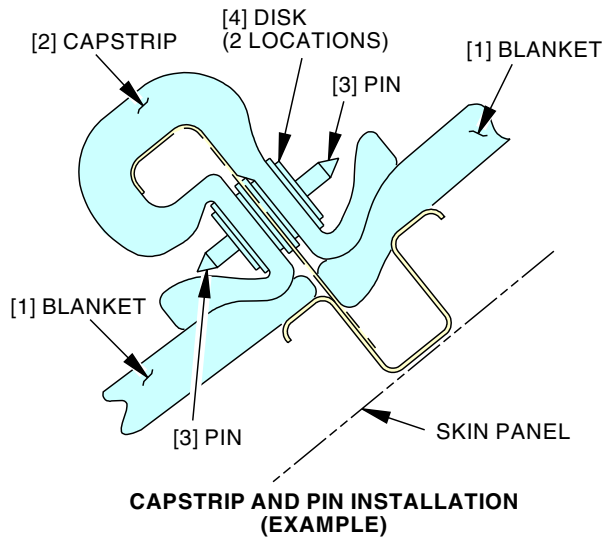
EFFECTIVITY
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2412034 S00061529764_V2

Insulation Blanket Installation
Figure 401/25-80-00-990-807 (Sheet 1 of 9)

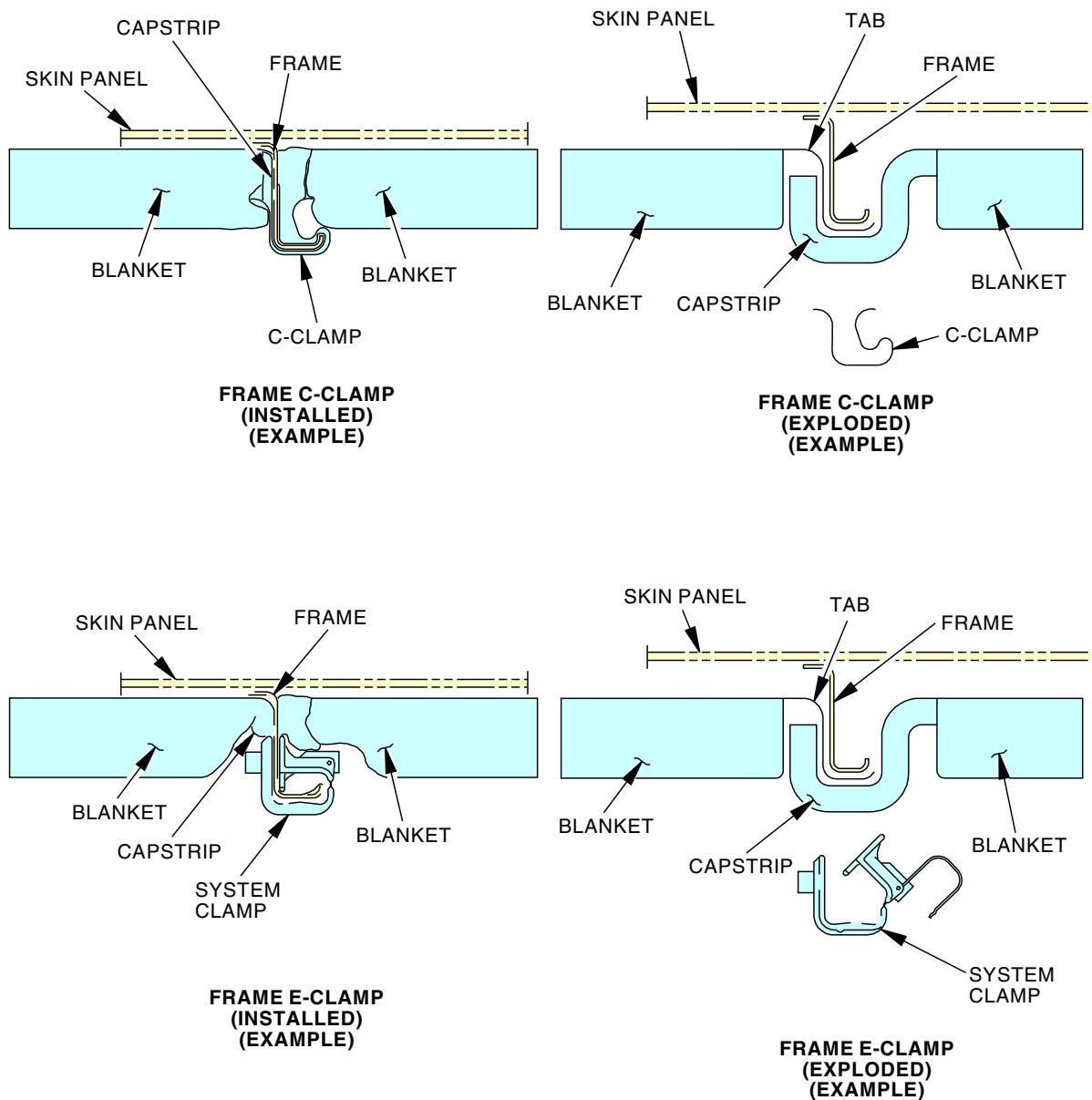
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2412035 S00061529765_V1

Insulation Blanket Installation
Figure 401/25-80-00-990-807 (Sheet 2 of 9)

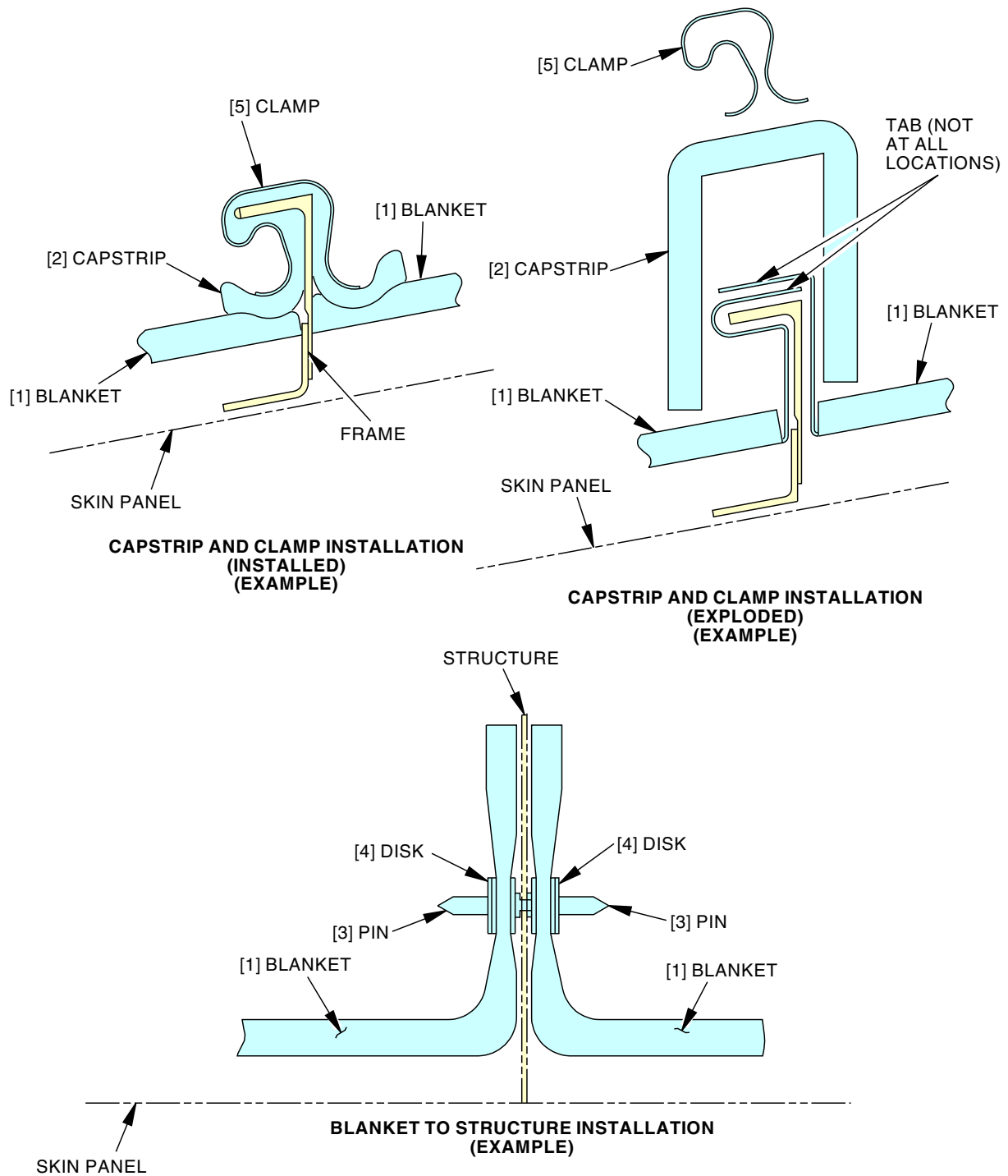
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2412036 S00061529766_V2

Insulation Blanket Installation
Figure 401/25-80-00-990-807 (Sheet 3 of 9)

EFFECTIVITY
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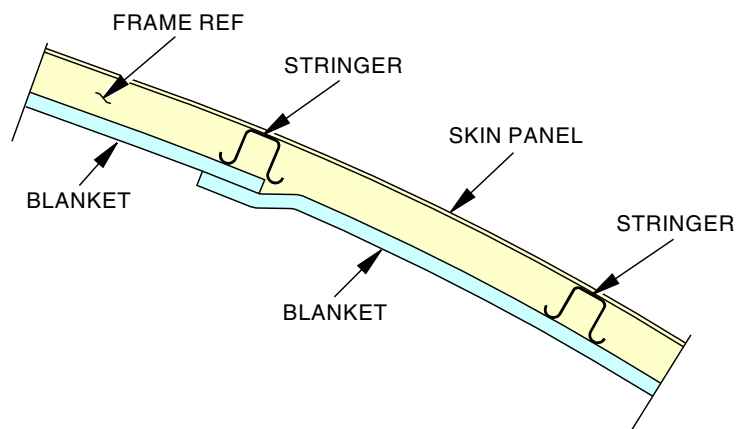
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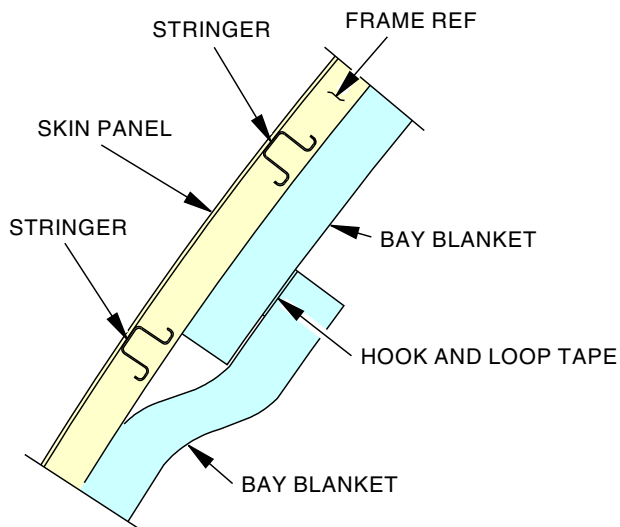
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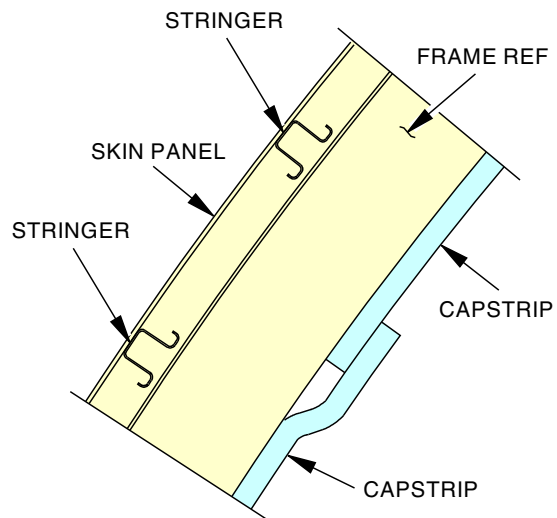
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AIRCRAFT MAINTENANCE MANUAL



**BLANKET TO BLANKET INSTALLATION
(EXAMPLE)**



**BLANKET OVERLAP
(EXAMPLE)**



**CAPSTRIP OVERLAP
(EXAMPLE)**

2412037 S00061529767_V1

Insulation Blanket Installation
Figure 401/25-80-00-990-807 (Sheet 4 of 9)

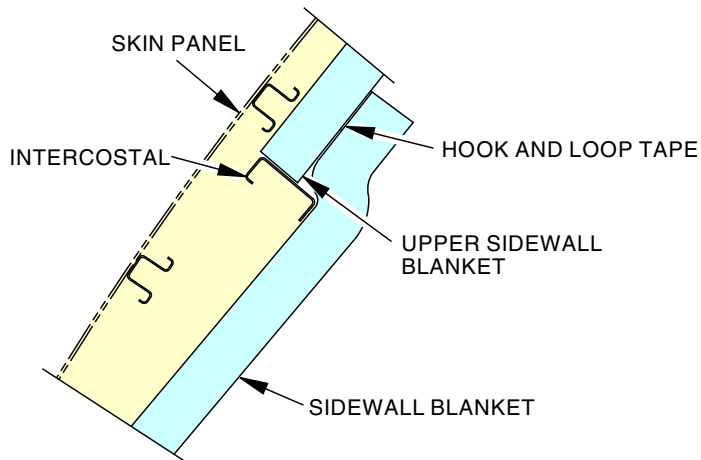
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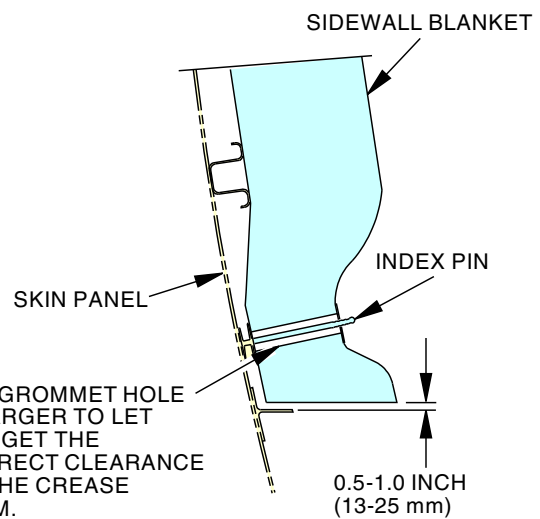
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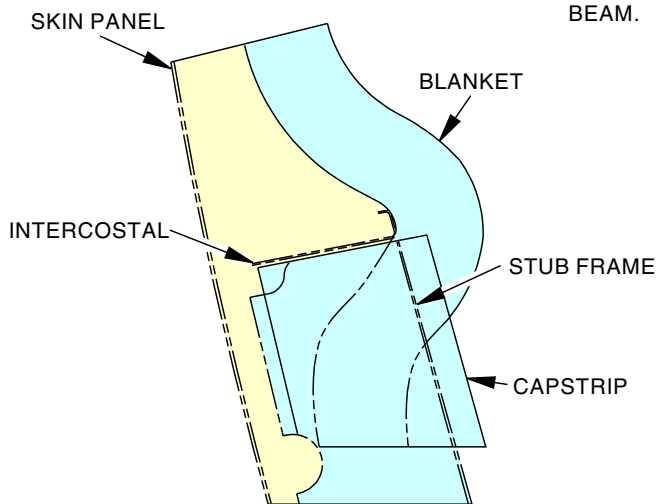
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**SIDEWALL BLANKET OVERLAP
AT THE INTERCOSTAL
(EXAMPLE)**



**BLANKET INDEX PIN
INSTALLATION AT FLOOR
(EXAMPLE)**



**STUB FRAME
CAPSTRIP INSTALLATION
(EXAMPLE)**

2412038 S00061529768_V1

**Insulation Blanket Installation
Figure 401/25-80-00-990-807 (Sheet 5 of 9)**

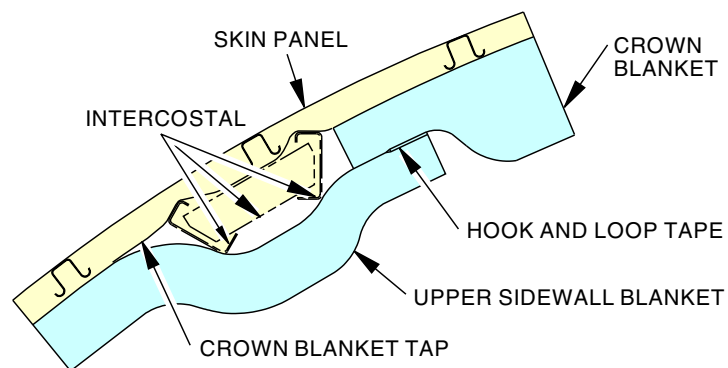
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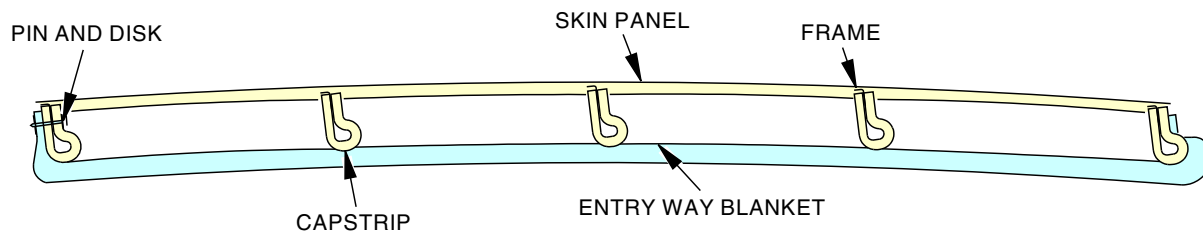
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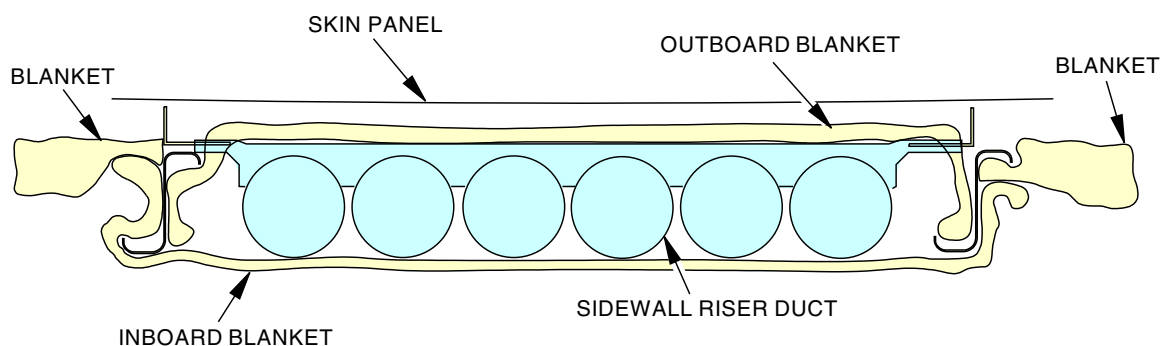
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**UPPER SIDEWALL BLANKET
OVERLAP AT THE INTERCOSTAL
(EXAMPLE)**



**ENTRY WAY ABOVE DOOR
INSTALLATION
(EXAMPLE)**



**SIDEWALL RISER DUCT
INSTALLATION
(EXAMPLE)**

2412039 S00061529769_V1

**Insulation Blanket Installation
Figure 401/25-80-00-990-807 (Sheet 6 of 9)**

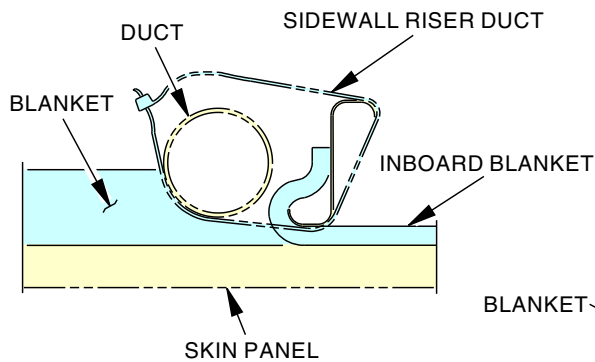
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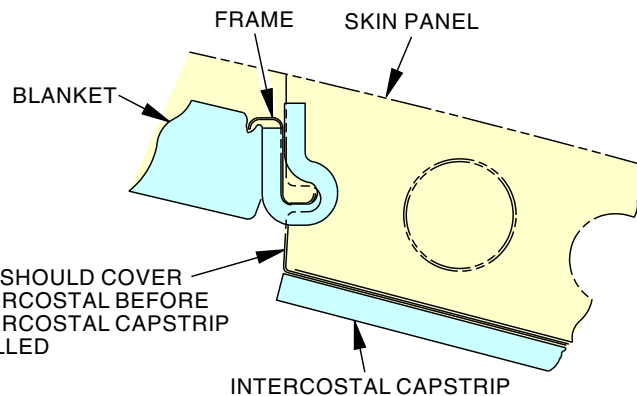
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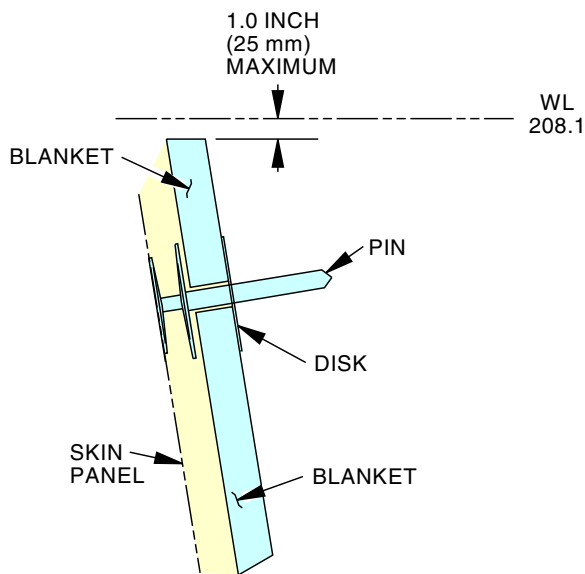
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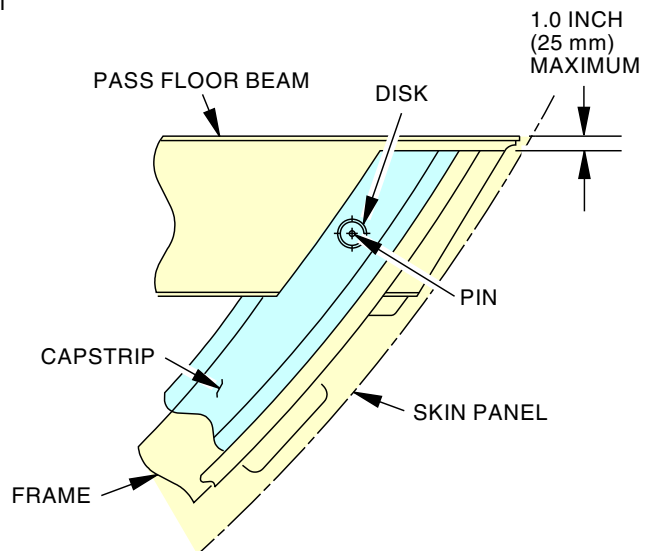
**CAPSTRIP TO DUCT
INSTALLATION
(EXAMPLE)**



**CROWN INTERCOSTAL/TAB
INSTALLATION
(EXAMPLE)**



**TOP EDGE OF
BLANKET INSTALLATION
(EXAMPLE)**



**FLOOR BEAM CAPSTRIP INSTALLATION
(EXAMPLE)**

2412040 S00061529770_V1

Insulation Blanket Installation
Figure 401/25-80-00-990-807 (Sheet 7 of 9)

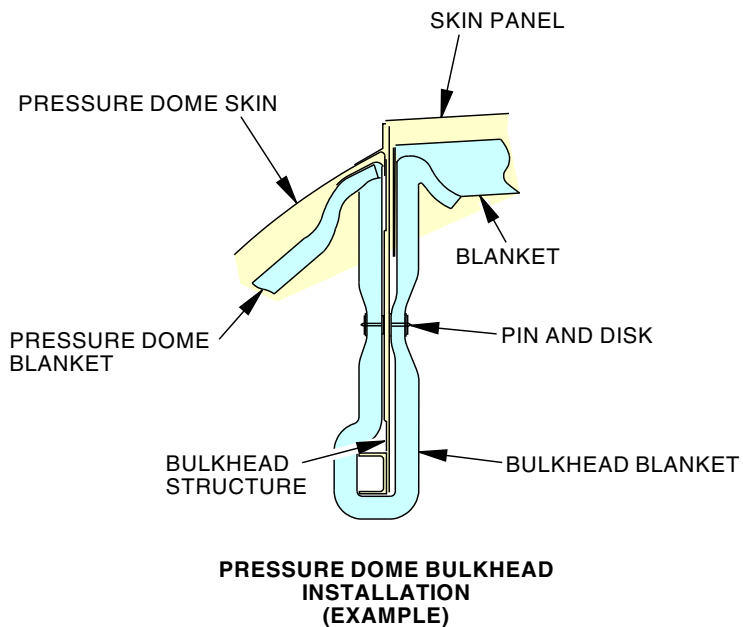
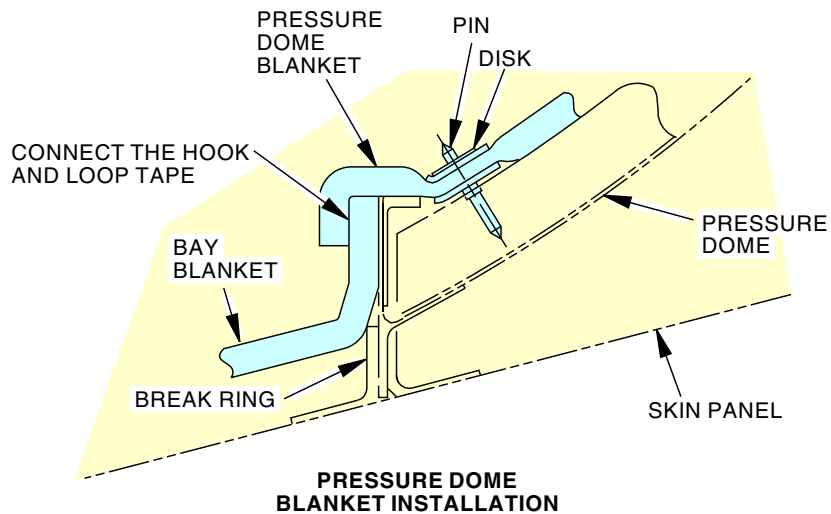
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Insulation Blanket Installation
Figure 401/25-80-00-990-807 (Sheet 8 of 9)

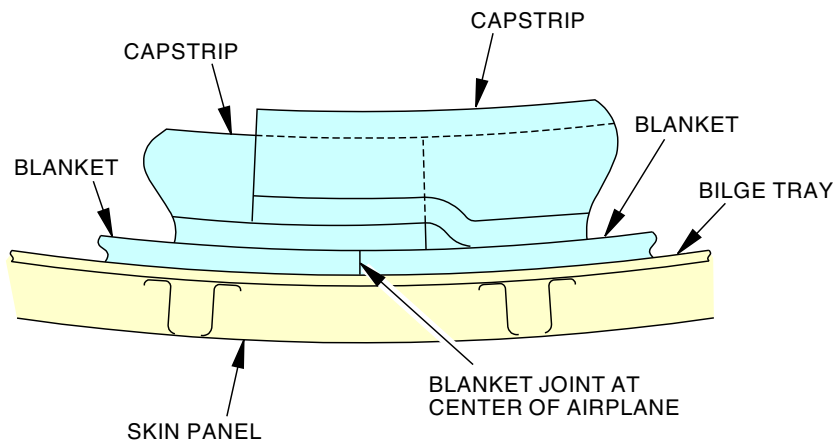
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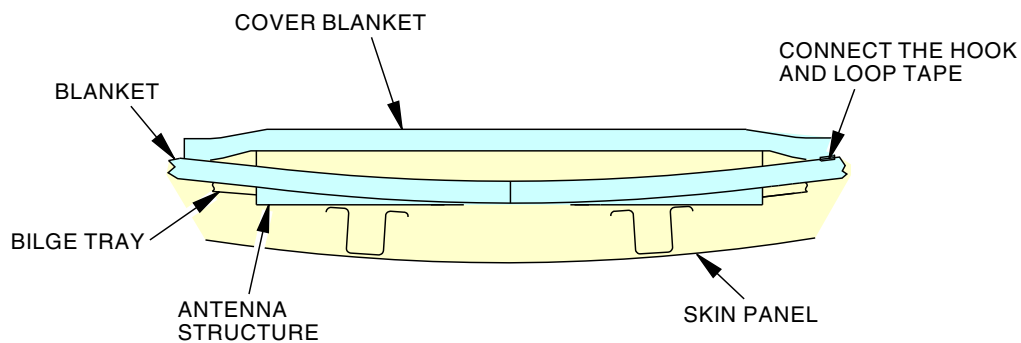
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CAPSTRIP OVERLAP INTERFACE



ANTENNA BLANKET INSTALLATION

2412042 S00061529772_V1

Insulation Blanket Installation
Figure 401/25-80-00-990-807 (Sheet 9 of 9)

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TASK 25-80-00-400-801

3. Insulation Blanket Installation

(Figure 401)

A. General

- (1) This task gives the instructions to install the insulation blanket.
- (2) Use the tapes that follow for BMS5-157:
 - The tape, G51202, or Class 1 Grade A equivalent with fabric, G50330 (BMS8-377).
 - The tape, G50789, or Class 2 Grade C equivalent with insulation cover, G51600 (BMS8-380, PEEK), and insulation, G51553 (BMS8-396).
 - The tape, G51205, or Class 3 Grade E equivalent with insulation cover, G51533 (BMS8-380, ECTFE).

B. Consumable Materials

Reference	Description	Specification
C00755	Compound - Organic Corrosion Inhibiting, Heavy Duty	BMS3-26
C00915	Compound - Organic Corrosion Inhibiting, Advanced	BMS3-29
G00009	Compound - Organic Corrosion Inhibiting	BMS3-23
G50330	Fabric - Insulation Covering, Flame Propagation Resistant	BMS8-377
G50333	Tape - Hook/Loop Fastener, Flame Propagation Resistant	BMS8-372
G50789	Tape - Adhesive Insulation Blanket	BMS5-157 Type I Class 2 Grade C Composition MPEEK
G51202	Tape - Advanced Insulation Blanket	BMS5-157 Type I Class 1 Grade A Composition MPVF
G51205	Tape - Advanced Insulation	BMS5-157 Type I Class 3 Grade E Composition MPEEK
G51533	Cover - Insulation, Ethylene ChoroTriFluoroEthylene (ECTFE) film	BMS8-380 Type 4 Class 2
G51553	Insulation - Flame Penetration Resistant	BMS8-396, Type 2
G51600	Cover - Insulation, Polyetheretherketone (PEEK) - Flame Propagation Resistant	BMS8-380 Type 3 Class 2

C. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

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D. Insulation Blanket Contamination Check

SUBTASK 25-80-00-110-001



WARNING

LET THE CORROSION-INHIBITING COMPOUNDS (CIC) FULLY DRY. IF CIC GETS ON THE INSULATION BLANKET, THE BLANKET WILL BECOME LESS FLAME-RESISTANT, WHICH INCREASES THE RISK OF FIRE. FIRE CAN CAUSE INJURY.

- (1) To prevent CIC contamination of insulation blankets, let the corrosion-inhibiting compounds fully dry before you install the insulation blankets.
 - (a) Let the corrosion-inhibiting compounds dry longer than the minimum times listed below if you have one of these conditions:
 - 1) Low temperature.
 - 2) High humidity.
 - 3) Thick layer of corrosion-inhibiting compounds.
 - (b) Ventilate areas treated with CIC such as corrosion inhibiting compound, G00009, with good air flow for a minimum of one hour.
 - (c) Ventilate areas treated with CIC such as compound, C00755 or compound, C00915, with good air flow for a minimum of four hours.

SUBTASK 25-80-00-110-002



WARNING

DO NOT USE DETERGENTS OR SOLVENTS TO CLEAN THE INSULATION BLANKET. IT CAN REMOVE FLAME RETARDANTS AND CAUSE FLAMMABLE RESIDUES ON THE INSULATION BLANKET WHICH INCREASES THE RISK OF FIRE. THIS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) If there is Corrosion-inhibiting Compounds (CIC) contamination, oily or waxy substances or other fluids (which typically changes the color and appearance of the insulation blanket cover), replace the insulation blanket.

SUBTASK 25-80-00-160-001

- (3) If there are dusts, lint or other loose debris on the insulation blanket, use a vacuum cleaner or a non-metallic soft brush to remove the contamination.

SUBTASK 25-80-00-210-001

- (4) Make sure that the insulation blanket has no rips, tears or holes.

SUBTASK 25-80-00-160-002

- (5) Make sure that the area is clean before you install the insulation blanket.

E. Insulation Blanket Installation

SUBTASK 25-80-00-420-001

- (1) If you replace an insulation blankets [1] or a capstrip [2], install an insulation blankets [1] or a capstrip [2] that complies with FAR 25.856.
 - (a) Use the tape, BMS5-157, and hooks and loop tape, G50333, where necessary.

NOTE: The tape, BMS5-157, and hook/loop tape, G50333 are FAR 25.856 compliant.
 - (b) Replace the part of the hooks and loop tape that is installed on the airplane structure where the replacement insulation blanket [1] attaches with hook and loop tape, G50333, if it is necessary.

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SUBTASK 25-80-00-420-002

- (2) Do these steps to install the insulation blankets [1] to the airplane structure:
 - (a) Put a membrane material around the frame if it is necessary.
 - (b) Put the side of the insulation blankets [1] with the clamp indicator inboard.
 - (c) Align the holes in the insulation blankets [1] with the index pins [3].
 - 1) Put the insulation blankets [1] in its position.
 - 2) Install the disks [4] on the index pins [3].
 - (d) Wrap the insulation blankets [1] correctly around the airplane structure.
 - 1) Put the blankets [1] tab around the airplane structure.
 - 2) Put the capstrip [2] over the blankets [1] tab.

SUBTASK 25-80-00-420-003



DO NOT USE FORCE TO PUSH THE CLAMP STRAIGHT ON THE AIRPLANE STRUCTURE. USE A ROLLING MOVEMENT WITH TWO HANDS TO INSTALL THE CLAMPS. IF YOU USE FORCE TO PUSH THE CLAMP STRAIGHT ON THE AIRPLANE STRUCTURE, YOU WILL CAUSE PERMANENT DAMAGE TO THE CLAMP AND TEAR THE INSULATION BLANKET.

- (3) Attach the blanket [1] with clips, tapes, pins, and disk fasteners as applicable. Refer to the illustration for examples of the installation details (Figure 401).
 - (a) Look for clamp indicator on the insulation blanket [1].
 - (b) When you install the clamps [5], make sure that they are the minimum distance from the adjacent hoses, wires, or ducts:

Table 401/25-80-00-993-801

Separation Requirements	
Hoses, Wires, Ducts, or other Systems	Minimum Distance from Clamp (Inch)
Supported (at the stand off)	0.25 Inch (6 mm)
Unsupported	0.5 Inch (13 mm)

- (c) Make sure that the openings in the intercostal are not blocked by the insulation blanket [1].
- (d) Make sure that the passenger compartment sidewall blanket [1] is centered on the window opening.
 - 1) Do not put the blanket [1] behind the window clips.
- (e) Make sure that you cannot see structure after you install the insulation blanket [1].
- (f) Make sure that you cannot see the bilge and sill trays in the cargo compartments.
- (g) Make sure that the hooks and loop tape is fully engaged.
- (h) Make sure that the tapes match.

SUBTASK 25-80-00-210-002

- (4) Make sure that the moisture penetration through to the inboard side of the insulation blanket [1] is minimized.
 - (a) Make sure that all the insulation blankets [1] are correctly overlapped to keep out any condensation that can flow between insulation blankets [1] into the inboard side of the insulation blanket [1].

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- (b) Re-install any moisture control blankets at longitudinal (intercostal) structural locations.
- (c) For insulation blanket [1] with fabric, G50330 cover material, use the tape, BMS5-157, and hooks and loop tape, G50333, where necessary to reduce any gaps between blankets [1], or between blankets [1] and structure.

SUBTASK 25-80-00-390-001

- (5) For replacement insulation blanket [1], push on the insulation blanket [1] to remove the air that is inside the insulation blanket [1] through the vent hole(s).
 - (a) Peel off the attached release liner on the circle tape and seal the vent hole(s).

SUBTASK 25-80-00-010-002

- (6) Install the panels and parts that you removed from the airplane interior.

———— **END OF TASK** ————

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INSULATION BLANKET - MAINTENANCE PRACTICES

1. General

- A. This procedure gives Boeing recommendations when operators install electronic equipment in the primary passenger cabin that requires changes to the fuselage insulation blankets.
- B. The fuselage insulation blankets primary function is to provide thermal and acoustic performance to keep the main passenger cabin warm and quiet during flight. Also, the fuselage insulation system provides a moisture barrier to keep condensation in the passenger cabin to a minimum.
- (1) All open holes, tears or damage to the insulation blanket cover films degrade the moisture barrier and airplane Cabin Moisture Management.
- C. Boeing has four recommended tasks for maintenance of the fuselage insulation blankets:
- NOTE:** These tasks come from inspections of post-delivery installations on several in-service airplanes.
- (1) Crown Antenna Installation – Insulation Blanket Access
- (2) Crown Hardware Installation – Insulation Blanket Protection
- (3) Cover Film Repairs
- (4) Cargo Bilge Antenna Installation – Insulation Blanket Access

TASK 25-80-00-400-802

2. Crown Antenna Installation - Insulation Blanket Access

(Figure 201, Figure 202, and Figure 203)

A. General

- (1) The typical crown antenna cable installation is through the crown insulation blankets. Do not permit an open hole or cutout in the crown insulation blanket. A hole or opening lets in warm, moist cabin air. This causes increased condensation and moisture into the passenger cabin, referred to as “rain in the plane”.
- (2) Use the tapes that follow for BMS5-157:
- The tape, G51202, or Class 1 Grade A equivalent with fabric, G50330 (BMS8-377).
 - The tape, G50789, or Class 2 Grade C equivalent with insulation cover, G51600 (BMS8-380, PEEK), and insulation, G51553 (BMS8-396).
 - The tape, G51205, or Class 3 Grade E equivalent with insulation cover, G51533 (BMS8-380, ECTFE).

B. Consumable Materials

Reference	Description	Specification
G50330	Fabric - Insulation Covering, Flame Propagation Resistant	BMS8-377
G50333	Tape - Hook/Loop Fastener, Flame Propagation Resistant	BMS8-372
G50334	Felt - Needled, Flame Propagation Resistant	BMS8-373
G50789	Tape - Adhesive Insulation Blanket	BMS5-157 Type I Class 2 Grade C Composition MPEEK
G51202	Tape - Advanced Insulation Blanket	BMS5-157 Type I Class 1 Grade A Composition MPVF

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(Continued)

Reference	Description	Specification
G51205	Tape - Advanced Insulation	BMS5-157 Type I Class 3 Grade E Composition MPEEK
G51533	Cover - Insulation, Ethylene ChloroTriFluoroEthylene (ECTFE) film	BMS8-380 Type 4 Class 2
G51553	Insulation - Flame Penetration Resistant	BMS8-396, Type 2
G51600	Cover - Insulation, Polyetheretherketone (PEEK) - Flame Propagation Resistant	BMS8-380 Type 3 Class 2

C. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

D. Procedure – Access Provision

NOTE: The access is in the crown insulation blanket directly below the antenna installation.

SUBTASK 25-80-00-360-001

- (1) Cut a slit in the insulation blanket from directly below the location of the antenna.
 - (a) Make sure that this slit is not more than 6-inches in length. This depends on the necessary opening.
- (2) Make a box edge around the slit in the crown insulation blanket (Figure 201).
 - (a) Use the grommet, BACG20AJ.
 - (b) Grommet BACG20AJ01R16H is recommended for a 6-inch slit.
 - (c) Grommet BACG20AJ01N16H is recommended for a 4-inch slit.

SUBTASK 25-80-00-360-002

- (3) Attach a strip of tape, G50333, on one side of the slit (Figure 202).
 - (a) 1-inch width is recommended for hook tape.

SUBTASK 25-80-00-360-003

- (4) Make a flap on the other side of the slit with tape, BMS5-157. Make sure that the loop tape, G50333 aligns with the hook tape used on the other side of the slit (Figure 202).
 - (a) 2-inch width is recommended for insulation tape
 - (b) 1-inch width is recommended for loop tape.

SUBTASK 25-80-00-360-004

- (5) Attach the tape, BMS5-157, of the new flap on one side of the slit to make sure that the loop tape and hook tape give a tight fit of the slit (Figure 202).
 - (a) When the attachment to the crown insulation blanket is complete:
 - 1) Cut a slit down the middle of the new flap to make two different flaps.
 - (b) Each flap will bring closure on the two sides of the antenna cable when it travels through the crown insulation blanket.

SUBTASK 25-80-00-360-005

- (6) Make a water absorbent felt, G50334 cover for the slit in the insulation blanket (Figure 203).
 - (a) The dimension of the cover will depend on the length of the slit.
 - 1) The width of the cover must be a minimum of 4-inches.

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- 2) The length of the cover must extend a minimum of 2-inches at each end of the slit.
- (b) Sew the loop tape, G50333 around the perimeter of the cover.
 - 1) 1-inch width is recommended for loop tape
 - 2) A double seam stitch is recommended.

SUBTASK 25-80-00-360-006

- (7) Attach hook tape, G50333 to the crown insulation blanket to align the loop tape on the water absorbent cover (Figure 202).
 - (a) The location of the tape must center the cover around the slit in the crown insulation blanket.

SUBTASK 25-80-00-360-007

- (8) Cut an opening in the water absorbent cover so that the antenna cable can move through the cover (Figure 203).
 - (a) The opening should be sufficient to let the antenna cable move through the cover.

E. Procedure – Additional Moisture Provisions

SUBTASK 25-80-00-360-008

- (1) When you complete the antenna cable installation:
 - (a) Attach the moisture absorbing felt, G50334 around the cable on the inboard side of the crown installation blanket.
 - 1) If the cable uses a straight connector, use a 411A4904-15 felt.
 - 2) If the cable uses an L-connector (90-degree), use a 411A4904-10 felt.
 - 3) Put the felt on the inboard side of the crown insulation blanket.

NOTE: It should be touching the felt cover.

———— **END OF TASK** ————

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GROMMET

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Slit With Grommet Installed
Figure 201/25-80-00-990-802

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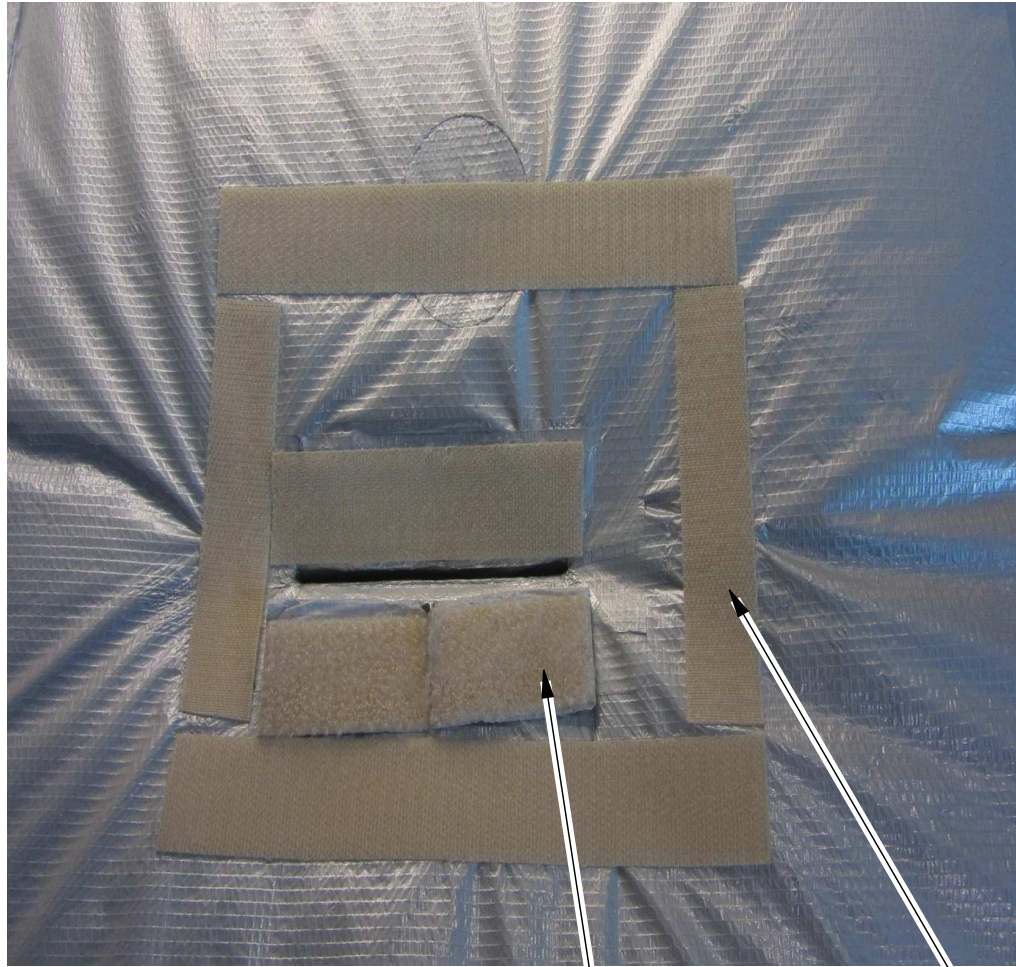
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FLAP

COVER
ATTACHMENT

2412044 S00061529776_V1

Flap For Slit and Cover attachment
Figure 202/25-80-00-990-803

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FELT
COVER

2412045 S00061529777_V1

Cover For Antenna Access
Figure 203/25-80-00-990-804

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TASK 25-80-00-400-803

3. Crown Hardware Installation - Insulation Blanket Protection

A. General

- (1) Locations where there is hardware installed must have coverage with the fuselage insulation blanket. Do not compromise the moisture barrier function.
- (2) Holes in the fuselage insulation blanket without correct foam disks can cause damage to the inboard and outboard cover films.
- (3) Damaged cover films will let moisture into the insulation blanket and will cause moisture to release into the passenger cabin (i.e. – “rain in the plane”).

B. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

C. Procedure – Fuselage Blanket Penetration

SUBTASK 25-80-00-360-009

- (1) Find all screws in the crown of the airplane or in the pressurized cabin that go through the fuselage insulation blanket.
 - (a) Install the BACW10DZ3 adhesive foam disks on the two sides of the insulation blanket.
 - (b) Tighten screws to 22.5 ± 2.5 in-lb (2.54 ± 0.28 N·m).

————— END OF TASK —————

TASK 25-80-00-300-801

4. Cover Film Repairs

A. General

- (1) You must repair all damage to the inboard or outboard cover film of the insulation blanket during their modifications to keep them serviceable.

B. References

Reference	Title
25-80-00 P/B 801	INSULATION - REPAIRS

C. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

D. Procedure – Insulation Blanket Repairs

SUBTASK 25-80-00-360-010

- (1) Repair damage to the insulation blanket or cover films. (INSULATION - REPAIRS, PAGEBLOCK 25-80-00/801.)

————— END OF TASK —————

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TASK 25-80-00-400-804

5. Cargo Bilge Antenna Installation - Insulation Blanket Access

A. General

- (1) The primary problem for installation of antennas on the lower fuselage delivered after September 2009 is:

- (a) Holes in the fuselage insulation blankets.

NOTE: These insulation blankets meet the requirements of Federal Aviation Regulation (FAR) 25.856(b) and 121.312(e)(3)

NOTE: For more information, see Boeing Service Letter 737-SL-25-135-A.

- (2) The guidelines in AC25-856-2A, Page 8, Section 7.c.(2) read that penetration is unavoidable, but you must minimize the damage.
- (3) If a cable must go through the fuselage insulation blanket, the dimension of the hole must be as small as possible.
- (4) Use the tapes that follow for BMS5-157:
- The tape, G51202, or Class 1 Grade A equivalent with fabric, G50330 (BMS8-377).
 - The tape, G50789, or Class 2 Grade C equivalent with insulation cover, G51600 (BMS8-380, PEEK), and insulation, G51553 (BMS8-396).
 - The tape, G51205, or Class 3 Grade E equivalent with insulation cover, G51533 (BMS8-380, ECTFE).

B. Consumable Materials

Reference	Description	Specification
G50330	Fabric - Insulation Covering, Flame Propagation Resistant	BMS8-377
G50789	Tape - Adhesive Insulation Blanket	BMS5-157 Type I Class 2 Grade C Composition MPEEK
G51202	Tape - Advanced Insulation Blanket	BMS5-157 Type I Class 1 Grade A Composition MPVF
G51205	Tape - Advanced Insulation	BMS5-157 Type I Class 3 Grade E Composition MPEEK
G51533	Cover - Insulation, Ethylene ChoroTriFluoroEthylene (ECTFE) film	BMS8-380 Type 4 Class 2
G51553	Insulation - Flame Penetration Resistant	BMS8-396, Type 2
G51600	Cover - Insulation, Polyetheretherketone (PEEK) - Flame Propagation Resistant	BMS8-380 Type 3 Class 2

C. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

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D. Procedure – Insulation Blanket Antenna Cable Penetration

SUBTASK 25-80-00-360-011

- (1) Find the location of the cable penetration.

NOTE: Use the lightening holes when possible to bring the cable from the outboard to the inboard side of the fuselage insulation blanket.

SUBTASK 25-80-00-360-012

- (2) Cut the holes for the cable penetration.

SUBTASK 25-80-00-360-013

- (3) When the cable is set, use the tape, BMS5-157, to seal the edges of the hole.

———— **END OF TASK** ————

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INSULATION - REPAIRS

1. General

A. This procedure has these tasks:

- (1) Repair the Insulation Blanket with BMS8-377 Cover Material.
- (2) Repair the Insulation Blanket with BMS8-370 Cover Material.
- (3) Repair the Insulation Blanket with BMS8-396 Cover Material
- (4) Repair the Insulation Blanket with BMS8-380 Cover Material
- (5) Insulation Blanket Manufacturing (per Production Part Specifications)
- (6) Repair the Cargo Door Insulation Blankets
- (7) Insulation Blanket Manufacturing (per Universal Blanket Template).

TASK 25-80-00-340-801

2. Repair the Insulation Blanket with BMS8-377 Cover Material

(Figure 801)

A. **General**

- (1) This procedure gives instructions to repair insulation blankets that have the BMS8-377 cover material.

B. **References**

Reference	Title
25-80-00-000-801	Insulation Blanket Removal (P/B 401)
25-80-00-400-801	Insulation Blanket Installation (P/B 401)

C. **Tools/Equipment**

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
COM-11573	Installation Tool - Garment Tag Part #: 954885 Supplier: 16956
STD-126	Brush - Soft-bristle, Non-metallic
STD-6636	Vacuum Cleaner - wet and dry type

D. **Consumable Materials**

Reference	Description	Specification
B00184	Solvent - Presealing, Cleaning Solvent	BMS11-7
D50299	Tape - Advanced Insulation Blanket	BMS5-157 Grade A Composition MPVF
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	AMS3819 Class 1 Grade A or B Form 1 (Supersede BMS15-5 CL A)
G00086	Insulation - Thermal-Acoustical Fiberglass (Water-Repellant, Punk-Resistant Fiberglass Batting)	BMS8-48 Type III

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(Continued)

Reference	Description	Specification
G50330	Fabric - Insulation Covering, Flame Propagation Resistant	BMS8-377
G50333	Tape - Hook/Loop Fastener, Flame Propagation Resistant	BMS8-372
G50442	Fastener - Garment Tag, Nylon (Avery Dennison Standard T-End Swiftach)	
G50521	Tape - Advanced Insulation	BMS5-157 Type IV Class 1 Grade A Form 1 MPVF
G50522	Tape - Advanced Insulation	BMS5-157 Type III Class 1 Grade A Form 1 MPVF
G50523	Tape - Advanced Insulation	BMS5-157 Type II Class I Grade A Form 1 PVF

E. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

F. Prepare to Repair the Insulation Blanket

SUBTASK 25-80-00-212-001

- (1) Visually check the amount of damage to the insulation blanket.
 - (a) If the amount of damage is more than 25 percent of the total area on either the front side or back side of the insulation blanket, replace the insulation blanket. Do these tasks:
 - 1) Insulation Blanket Removal, TASK 25-80-00-000-801.
 - 2) Insulation Blanket Installation, TASK 25-80-00-400-801.
 - (b) If the amount of damage is less than 25 percent of the total area on either the front side or back side of the insulation blanket, continue.

SUBTASK 25-80-00-160-003



DO NOT USE DETERGENTS OR SOLVENTS TO CLEAN THE INSULATION BLANKET. IT CAN REMOVE FLAME RETARDANTS AND CAUSE FLAMMABLE RESIDUES ON THE INSULATION BLANKET WHICH INCREASES THE RISK OF FIRE. THIS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) If there is Corrosion-inhibiting Compounds (CIC) contamination, oily or waxy substances or other fluids (which typically changes the color and appearance of the insulation blanket cover), replace the insulation blanket.

SUBTASK 25-80-00-160-004

- (3) If there are dust, lint or other loose debris on the insulation blanket, use a vacuum cleaner, STD-6636 or a soft-bristle non-metallic brush, STD-126 to remove the contamination.

SUBTASK 25-80-00-160-005

- (4) Make sure that the repair area is clean and dry.

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G. Repair the Insulation Blanket with BMS8-377 Cover Material

NOTE: BMS8-377 cover material is a thin opaque gray plastic film with an open weave scrim on one side and has a grid-like appearance.

SUBTASK 25-80-00-340-001

- (1) To repair a grommet hole in the insulation blanket, do these steps:
 - (a) Make two round tape patches from tape, D50299 (BMS5-157) with a 1.5 in. (38.1 mm) to 2 in. (51 mm) larger than the grommet hole.
 - 1) You can use these (BMS5-157) tapes if necessary: tape, G50521, tape, G50523, or tape, G50522.
 - (b) Make a fiberglass plug from fiberglass batting insulation, G00086 (BMS8-48) that is equivalent in type/class/grade as those used in the insulation blanket.
 - (c) Put the fiberglass plug into the grommet hole.
 - (d) Put the round tape patches over the grommet hole on both sides of the insulation blanket.
 - 1) Make sure the tape patch overlaps the edge of the grommet hole by a minimum of 0.75 in. (19.05 mm).
 - (e) Push on the tape patch to make sure there is a good bond with the insulation blanket cover.

SUBTASK 25-80-00-340-002

- (2) To remove a line of stitching do these steps:
 - (a) Remove the thread from the line of stitching.
 - (b) Cover the affected area with tape, D50299.

SUBTASK 25-80-00-340-003

- (3) To replace snaps with hook and loop tape, do these steps:
 - (a) Remove the snaps.

NOTE: Be careful to do as little damage as is possible to the blanket material.
 - (b) Cover all of the snap holes with tape, D50299.
 - (c) Cover both sides of the blanket if it is necessary.
 - (d) Install the tape, G50333.

NOTE: Apply the tape using normal fabrication methods.

SUBTASK 25-80-00-340-004

- (4) To repair a tear in the insulation blanket, do these steps:
 - (a) Clean the area with a cotton wiper, G00034 wet with solvent, B00184.
 - (b) Dry the area with a clean cotton wiper, G00034.
 - (c) Make a tape patch from tape, D50299 (BMS5-157) that is 0.75 in. (19.05 mm) to 1.5 in. (38.1 mm) larger than the tear on all sides.
 - 1) Make sure that the corners on the tape patch are rounded.
 - 2) You can use these (BMS5-157) tapes if necessary: tape, G50521, tape, G50523, or tape, G50522.
 - (d) Put the tape patch over the tear.
 - 1) Make sure that the tape patch overlaps the damaged area by 0.75 in. (19.05 mm) to 1.5 in. (38.1 mm) on all sides.



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- (e) Push on the tape patch to make sure there is a good bond with the insulation blanket cover.

SUBTASK 25-80-00-340-005

- (5) To repair damage that is larger than a tear in the insulation blanket cover, do these steps:
 - (a) Cut a rectangle out of the damaged blanket cover which fully removes the damaged area.
 - 1) Keep the rectangle cutout as template to make a new replacement cover patch.
 - (b) Use the rectangle cutout template to make a rectangle cover patch that is similar in shape and size as the template from fabric, G50330 (BMS8-377).
 - (c) If there is damage to the fiberglass batting insulation, G00086 (BMS8-48) inside the blanket cover, do these steps:
 - 1) If the damaged area is only on the first layer of the fiberglass batting, do these steps:
 - a) Cut a rectangle out of the damaged fiberglass batting to fully remove the damaged area on the first layer of the fiberglass batting, and leave behind a rectangular void in the blanket.
 - b) Cut a ply of replacement fiberglass patch from fiberglass batting insulation, G00086 (BMS8-48) that is equivalent in type/class/grade as those used in the insulation blanket.
 - <1> Make sure that the patch extends a minimum of 2 in. (51 mm) past the edges of the rectangular void.
 - c) Put the replacement fiberglass patch over the center of the rectangular void and under the blanket cover.
 - 2) If the damaged area is on multiple layers of the fiberglass batting, do these steps:
 - a) Cut out the damaged fiberglass batting to fully remove the damaged area.
 - b) Interleave new plies of fiberglass batting from fiberglass batting insulation, G00086 (BMS8-48) that is equivalent in type/class/grade as those used in the insulation blanket, as necessary
 - (d) Put the rectangle cover patch over the cutout on the insulation blanket cover.
 - (e) Make a tape patch from tape, D50299 (BMS5-157) that is a minimum of 1 in. (25 mm) larger than all sides of the rectangle cutout.
 - 1) Make sure that the corners on the tape patch are rounded.
 - (f) Put the tape patches over the joints to keep the rectangle cover patch in place on all sides.
 - 1) Make sure that the tape patch overlaps the joint by a minimum of 1 in. (25 mm) on all sides.
 - (g) Push on the tape patch to make sure there is a good bond with the insulation blanket cover.
 - (h) Use the garment tag installer, COM-11573 to install the external garment tag fastener, G50442, spaced at 6 in. (152 mm) into the overlapped fiberglass repair area to keep the fiberglass batting in position between the covers.
 - 1) Cut a 1 in. (25 mm) diameter circle of tape from tape, D50299 (BMS5-157) for use as reinforcement tape.
 - 2) Put the reinforcement tape over the area where the external garment tag fastener, G50442 is to be stapled through on both sides of the blanket.

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- 3) Use the garment tag installer, COM-11573 to staple the external garment tag fastener, G50442 through all layers of the insulation blanket, which includes the reinforcement tapes.
 - 4) Cut a 2 in. (51 mm) diameter circle of tape from tape, D50299 (BMS5-157) for use as covering tape.
 - 5) Put the covering tape over the external garment tag fastener, G50442 and reinforcement tape onto the insulation cover on both sides of the insulation blanket.
 - 6) Push on the tape to make sure there is a good bond with the insulation blanket cover.
- (i) You can use these (BMS5-157) tapes if necessary: tape, G50521, tape, G50523, or tape, G50522.

SUBTASK 25-80-00-340-006

- (6) To replace a damaged hook/loop tape on the insulation blanket cover, do these steps:
- (a) Carefully removed the damaged part of the hook/loop tape from the insulation blanket cover.
 - (b) Clean and dry the adhesive surface left by the removal of the damaged hook/loop tape.
 - (c) Put a piece of tape, D50299 (BMS5-157) over the area left by the removal of the damaged hook/loop tape on both sides of the insulation blanket assembly, if it is necessary.
 - 1) Make sure that the tape is larger than the damaged area on the insulation cover by a minimum of 1 in. (25 mm) on all sides.
 - 2) You can use these (BMS5-157) tapes if necessary: tape, G50521, tape, G50523, or tape, G50522.
 - (d) Install the replacement hook/loop tape, G50333 (BMS8-372) at the correct location on the insulation blanket cover.

————— **END OF TASK** —————

TASK 25-80-00-340-802

3. Repair the Insulation Blanket with BMS8-370 Cover Material

(Figure 801)

A. General

- (1) This procedure gives instructions to repair insulation blankets that have the BMS8-370 cover material.

B. References

Reference	Title
25-80-00-000-801	Insulation Blanket Removal (P/B 401)
25-80-00-400-801	Insulation Blanket Installation (P/B 401)

C. Tools/Equipment

Reference	Description
STD-126	Brush - Soft-bristle, Non-metallic
STD-6636	Vacuum Cleaner - wet and dry type

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D. Consumable Materials

Reference	Description	Specification
A00153	Adhesive - Low Odor, Synthetic Rubber Cement	BMS5-30
G50328	Fabric - Advance Polymer Coated, Flame Propagation Resistant	BMS8-370
G50381	Abrasive - Aluminum Oxide Paper, 180 Grit	

E. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

F. Prepare to Repair the Insulation Blanket

SUBTASK 25-80-00-212-002

- (1) Visually check the amount of damage to the insulation blanket.
 - (a) If the amount of damage is more than 25 percent of the total area on either the front side or back side of the insulation blanket, replace the insulation blanket. Do these tasks:
 - 1) Insulation Blanket Removal, TASK 25-80-00-000-801.
 - 2) Insulation Blanket Installation, TASK 25-80-00-400-801.
 - (b) If the amount of damage is less than 25 percent of the total area on either the front side or back side of the insulation blanket, continue.

SUBTASK 25-80-00-160-006



DO NOT USE DETERGENTS OR SOLVENTS TO CLEAN THE INSULATION BLANKET. IT CAN REMOVE FLAME RETARDANTS AND CAUSE FLAMMABLE RESIDUES ON THE INSULATION BLANKET WHICH INCREASES THE RISK OF FIRE. THIS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) If there is Corrosion-inhibiting Compounds (CIC) contamination, oily or waxy substances or other fluids (which typically changes the color and appearance of the insulation blanket cover), replace the insulation blanket.

SUBTASK 25-80-00-160-007

- (3) If there are dust, lint or other loose debris on the insulation blanket, use a vacuum cleaner, STD-6636 or a soft-bristle non-metallic brush, STD-126 to remove the contamination.

SUBTASK 25-80-00-160-008

- (4) Make sure that the repair area is clean and dry.

G. Repair the Insulation Blanket with BMS8-370 Cover Material

NOTE: BMS8-370 cover material has a smooth and silky surface, typically white in appearance. It is used in only a few areas of the airplane.

SUBTASK 25-80-00-340-007

- (1) Do these steps if there is damage on the insulation blanket cover:
 - (a) Identify the perimeter around the damaged area on the insulation blanket for a cover patch area that is larger than the damaged area by 1 in. (25 mm) to 1.5 in. (38.1 mm) on all sides.
 - (b) If the cover patch area that is identified on the damaged insulation blanket can fit into a 3 in. (76 mm) by 3 in. (76 mm) square, do these steps:

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- 1) Make a cover patch from fabric, G50328 (BMS8-370) that is larger than the damaged area by 1 in. (25 mm) to 1.5 in. (38.1 mm) on all sides.
 - a) Make sure that the corners on the cover patch are rounded.
 - 2) Lightly abrade the entire adhesive side of the cover patch and the area to be covered by the cover patch, with 180 grit abrasive paper, G50381 or finer paper to remove any gloss.
 - 3) Apply adhesive, A00153 (BMS5-30) on the entire bonding surface of the cover patch area or insulation blanket cover.
 - 4) Put the adhesive side of the cover patch over the damaged area of the insulation blanket cover.
 - 5) Make sure there is an overlap of 1 in. (25 mm) to 1.5 in. (38.1 mm) between the damaged area and the edge of the cover patch on all sides.
 - 6) Wipe off any adhesive, A00153 (BMS5-30) that is not necessary.
 - 7) Push on the cover patch to make sure there is a good bond with the insulation blanket cover.
- (c) If the cover patch area that is identified on the damaged insulation blanket is larger than a 3 in. (76 mm) by 3 in. (76 mm) square repeat the steps in (b) except that adhesive, A00153 shall be applied up to 1 in. (25 mm) wide around the periphery of the patch.

————— **END OF TASK** —————

TASK 25-80-00-340-803

4. Repair the Insulation Blanket that has BMS8-396 Fire Resistant Material

A. General

- (1) This procedure gives instructions to repair insulation blankets that have the BMS8-396 fire resistant material.

B. References

Reference	Title
25-80-00-000-801	Insulation Blanket Removal (P/B 401)
25-80-00-400-801	Insulation Blanket Installation (P/B 401)

C. Tools/Equipment

Reference	Description
STD-126	Brush - Soft-bristle, Non-metallic
STD-6636	Vacuum Cleaner - wet and dry type

D. Consumable Materials

Reference	Description	Specification
B00184	Solvent - Presealing, Cleaning Solvent	BMS11-7
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	AMS3819 Class 1 Grade A or B Form 1 (Supersede BMS15-5 CL A)
G00086	Insulation - Thermal-Acoustical Fiberglass (Water-Repellant, Punk-Resistant Fiberglass Batting)	BMS8-48 Type III
G02470	Foam - Flexible Polyimide	BMS8-300 Type I

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(Continued)

Reference	Description	Specification
G50333	Tape - Hook/Loop Fastener, Flame Propagation Resistant	BMS8-372
G50779	Material - Insulation Flame Penetration Resistant, Barrier Covering	BMS8-396
G50789	Tape - Adhesive Insulation Blanket	BMS5-157 Type I Class 2 Grade C Composition MPEEK

E. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

F. Prepare to Repair the Insulation Blanket

SUBTASK 25-80-00-340-008

- (1) Visually check the amount of damage to the insulation blanket.
 - (a) If the amount of damage is more than 25 percent of the total area on either the front side or back side of the insulation blanket, replace the insulation blanket. Do these tasks:
 - 1) Insulation Blanket Removal, TASK 25-80-00-000-801
 - 2) Insulation Blanket Installation, TASK 25-80-00-400-801
 - (b) If the amount of damage is less than 25 percent of the total area on either the front side or back side of the insulation blanket, continue.

SUBTASK 25-80-00-340-009



DO NOT USE DETERGENTS OR SOLVENTS TO CLEAN THE INSULATION BLANKET. IT CAN REMOVE FLAME RETARDANTS AND CAUSE FLAMMABLE RESIDUES ON THE INSULATION BLANKET WHICH INCREASES THE RISK OF FIRE. THIS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) If there is Corrosion-inhibiting Compounds (CIC) contamination, oily or waxy substances or other fluids (which typically changes the color and appearance of the insulation blanket cover), replace the insulation blanket.

SUBTASK 25-80-00-340-010

- (3) If there is dust, lint or other loose debris on the insulation blanket, use a vacuum cleaner, STD-6636 or a non-metallic soft-bristle non-metallic brush, STD-126 to remove the contamination.

SUBTASK 25-80-00-340-011

- (4) Make sure that the repair area is clean and dry.

G. Repair the Insulation Blanket that has the BMS8-396 Fire Resistant Barrier

NOTE: BMS8-396 cover material is a laminate of reinforced polymer films in combination with a paper fire- blocker. The film has a scrim on one or both side and has a opaque gray or pale yellow color with a grid like appearance.

SUBTASK 25-80-00-340-012

- (1) To repair a grommet hole in the insulation blanket, do these steps:

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- (a) Make two round tape patches from tape, G50789 (BMS5-157) that are a minimum of 1.5 in. (38.1 mm) to 2 in. (51 mm) larger than the grommet hole.
- (b) Make a fiberglass plug from fiberglass batting insulation, G00086 (BMS8-48) that is equivalent in type/class/grade as those used in the insulation blanket.
- (c) Put the fiberglass plug into the grommet hole.
- (d) Put the round tape patches over the grommet hole on both sides of the insulation blanket.
 - 1) Make sure that the tape patch overlaps the edge of the grommet hole by a minimum of 0.75 in. (19.05 mm).
- (e) Push on the tape patch to make sure there is a good bond with the insulation blanket cover.

SUBTASK 25-80-00-340-013

- (2) To remove a line of stitching do these steps:
 - (a) Remove the thread from the line of stitching.
 - (b) Cover the affected area with tape, G50789.

SUBTASK 25-80-00-340-014

- (3) To replace snaps with hook and loop tape, do these steps:
 - (a) Remove the snaps.

NOTE: Be careful to do as little damage as is possible to the blanket material.
 - (b) Cover all of the snap holes with tape, G50789.
 - (c) Cover both sides of the blanket if it is necessary.
 - (d) Install the tape, G50333.

NOTE: Apply the tape using normal fabrication methods.

SUBTASK 25-80-00-340-015

- (4) To repair a tear in the insulation material, G50779, do these steps:
 - (a) Clean the area with a cotton wiper, G00034 wet with solvent, B00184.
 - (b) Dry the area with a cotton wiper, G00034
 - (c) Make a round tape patch from tape, G50789 (BMS5-157) that is a minimum of 0.75 in. (19.05 mm) to 1.5 in. (38.1 mm) larger than the tear.
 - 1) Make sure that the corners on the tape patch are rounded.
 - (d) Put the tape patch over the tear.
 - 1) Make sure that the tape patch overlaps the damaged area by 0.75 in. (19.05 mm) to 1.5 in. (38.1 mm) on all sides.
 - (e) Push on the tape patch to make sure there is a good bond with the insulation blanket cover.

SUBTASK 25-80-00-340-016

- (5) To repair damage that is larger than a tear in the insulation blanket cover, do these steps:
 - (a) Leave the damaged cover in place, if possible. Do not remove it from the covering. Measure the damaged area.
 - 1) Use the measurement as a template to make a new rectangle replacement cover patch.
 - (b) Use the measurement to make a rectangle cover patch that is similar in shape and size as the damage on insulation material, G50779 (BMS8-396).

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- (c) If there is damage to the fiberglass batting insulation, G00086 (BMS8-48) or to the foam insulation, G02470 (BMS8-300) inside the blanket cover, do these steps:
- 1) If the damaged area is only on the first layer of the fiberglass batting or foam, do these steps:
 - a) Cut a rectangle out of the damaged fiberglass batting or foam to fully remove the damaged area, and leave behind a rectangular void in the blanket.
 - b) Cut a ply of replacement fiberglass patch from fiberglass batting insulation, G00086 (BMS8-48) that is equivalent in type/class/grade as those used in the insulation blanket.
 - c) Make sure that the patch extends a minimum of 2 in. (51 mm) past the edges of the rectangular void.
 - d) Make a foam plug from foam insulation, G02470 (BMS8-300), that is equivalent in type and grade of the damaged insulation blanket.
 - e) Put the replacement fiberglass patch or foam plug over the center of the rectangular void and under the blanket cover.
 - 2) If the damaged area is on multiple layers of the fiberglass batting or a combination of foam and batting, do these steps:
 - a) Cut out the damaged fiberglass batting to fully remove the damaged area.
 - b) Interleave new plies of fiberglass batting insulation, G00086 (BMS8-48) or foam insulation, G02470 (BMS8-300), or combination that is equivalent in type/class/grade as those used in the insulation blanket, as necessary.
- (d) Put the rectangle cover patch over the cutout on the insulation blanket cover.
- (e) Make a tape patch from tape, G50789 (BMS5-157) that is a minimum of 1 in. (25 mm) larger than all sides of the rectangle cutout.
- 1) Make sure that the corners on the tape patch are rounded.
- (f) Put the tape patches over the joints to keep the rectangle cover patch in place on all sides.
- 1) Make sure that the tape patch overlaps the joint by a minimum of 1 in. (25 mm) on all sides.
- (g) Push on the tape patch to make sure there is a good bond with the insulation blanket cover.
- (h) Install external garment tags, spaced at 6 in. (152 mm) onto the overlapped fiberglass repair area to keep the fiberglass batting in position between the covers.
- 1) Cut a 1 in. (25 mm) diameter circle of tape from tape, G50789 (BMS5-157) for use as reinforcement tape.
 - 2) Put the reinforcement tape over the area where the external garment tag is to be stapled through on both sides of the blanket.
 - 3) Staple the external garment tag through all layers of the insulation blanket, which includes the reinforcement tapes.
 - 4) Cut a 2 in. (51 mm) diameter circle of tape from tape, G50789 (BMS5-157) for use as covering tape.
 - 5) Put the covering tape over the external garment tag and reinforcement tape onto the insulation cover on both sides of the insulation blanket.
 - 6) Push on the tape to make sure there is a good bond with the insulation blanket cover.

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SUBTASK 25-80-00-340-017

- (6) To repair delamination of the cover material, do these steps:

NOTE: There is no limitation to the delamination repair area. Apply the tape patch to any damaged area.

- (a) Make sure that the damage is limited to the outermost film only.
- (b) Make a tape patch from tape, G50789 that is a minimum of 1 in. (25 mm) to 1.5 in. (38.1 mm) beyond the damaged area in all directions.
- (c) Apply the tape to the damaged area

————— **END OF TASK** —————

TASK 25-80-00-340-804

5. Repair the Insulation Blanket that has BMS8-380 Cover Material

A. General

- (1) This procedure gives instructions to repair insulation blankets that have the BMS8-380 fire resistant barrier.
- (2) Use the tapes that follow for BMS5-157:
 - The tape, G50789, or Class 2 Grade C equivalent with insulation cover, G51600 (BMS8-380, PEEK).
 - The tape, G51205, or Class 3 Grade E equivalent with insulation cover, G51533 (BMS8-380, ECTFE).

B. References

Reference	Title
25-80-00-000-801	Insulation Blanket Removal (P/B 401)
25-80-00-400-801	Insulation Blanket Installation (P/B 401)

C. Tools/Equipment

Reference	Description
STD-126	Brush - Soft-bristle, Non-metallic
STD-6636	Vacuum Cleaner - wet and dry type

D. Consumable Materials

Reference	Description	Specification
B00184	Solvent - Presealing, Cleaning Solvent	BMS11-7
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	AMS3819 Class 1 Grade A or B Form 1 (Supersede BMS15-5 CL A)
G00086	Insulation - Thermal-Acoustical Fiberglass (Water-Repellant, Punk-Resistant Fiberglass Batting)	BMS8-48 Type III
G50333	Tape - Hook/Loop Fastener, Flame Propagation Resistant	BMS8-372
G50606	Cover - Insulation, Polyetherketoneketone (PEKK) - Flame Propagation Resistant	BMS8-380 Type 2 Class 2

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Reference	Description	Specification
G50789	Tape - Adhesive Insulation Blanket	BMS5-157 Type I Class 2 Grade C Composition MPEEK
G51205	Tape - Advanced Insulation	BMS5-157 Type I Class 3 Grade E Composition MPEEK
G51533	Cover - Insulation, Ethylene ChloroTriFluoroEthylene (ECTFE) film	BMS8-380 Type 4 Class 2
G51600	Cover - Insulation, Polyetheretherketone (PEEK) - Flame Propagation Resistant	BMS8-380 Type 3 Class 2

E. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

F. Prepare to Repair the Insulation Blanket

SUBTASK 25-80-00-340-018

- (1) Visually check the amount of damage to the insulation blanket.
 - (a) If the amount of damage is more than 25 percent of the total area on either the front side or back side of the insulation blanket, replace the insulation blanket. Do these tasks:
 - 1) Insulation Blanket Removal, TASK 25-80-00-000-801.
 - 2) Insulation Blanket Installation, TASK 25-80-00-400-801.
 - (b) If the amount of damage is less than 25 percent of the total area on either the front side or back side of the insulation blanket, continue.

SUBTASK 25-80-00-340-019



DO NOT USE DETERGENTS OR SOLVENTS TO CLEAN THE INSULATION BLANKET. IT CAN REMOVE FLAME RETARDANTS AND CAUSE FLAMMABLE RESIDUES ON THE INSULATION BLANKET WHICH INCREASES THE RISK OF FIRE. THIS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) If there is Corrosion-inhibiting Compounds (CIC) contamination, oily or waxy substances or other fluids (which typically changes the color and appearance of the insulation blanket cover), replace the insulation blanket.

SUBTASK 25-80-00-340-020

- (3) If there is dust, lint or other loose debris on the insulation blanket, use a vacuum cleaner, STD-6636 or a non-metallic soft-bristle non-metallic brush, STD-126 to remove contamination.

SUBTASK 25-80-00-340-021

- (4) Make sure that the repair area is clean and dry.

G. Repair the Insulation Blanket that has the BMS8-380 Cover Material

NOTE: BMS8-380 cover material is a thin opaque gray plastic film with an open weave scrim on one side and has a grid-like appearance.

SUBTASK 25-80-00-340-022

- (1) To repair a grommet hole in the insulation blanket, do these steps:

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- (a) Make two round tape patches from tape, BMS5-157, that are a minimum 1.5 in. (38.1 mm) to 2 in. (51 mm) larger than the grommet hole.
- (b) Make a fiberglass plug from fiberglass batting insulation, G00086 (BMS8-48) that is equivalent in type/class/grade as those used in the insulation blanket.
- (c) Put the fiberglass plug into the grommet hole.
- (d) Put the round tape patches over the grommet hole on both sides of the insulation blanket.
 - 1) Make sure that the tape patch overlaps the edge of the grommet hole by a minimum of 0.75 in. (19.05 mm).
- (e) Push on the tape patch to make sure there is a good bond with the insulation blanket cover.

SUBTASK 25-80-00-340-023

- (2) To remove a line of stitching do these steps:
 - (a) Remove the thread from the line of stitching.
 - (b) Cover the affected area with tape, BMS5-157.

SUBTASK 25-80-00-340-024

- (3) To replace snaps with hook and loop tape, do these steps:
 - (a) Remove the snaps.

NOTE: Be careful to do as little damage as is possible to the blanket material.
 - (b) Cover all of the snap holes with tape, BMS5-157.
 - (c) Cover both sides of the blanket if it is necessary.
 - (d) Install the tape, G50333.

NOTE: Apply the tape using normal fabrication methods.

SUBTASK 25-80-00-340-025

- (4) To repair a tear in the insulation cover, G50606, do these steps:
 - (a) Clean the area with a cotton wiper, G00034 wet with solvent, B00184.
 - (b) Dry the area with a cotton wiper, G00034.
 - (c) Make a round tape patch from tape, BMS5-157, that is a minimum of 0.75 in. (19.05 mm) to 1.5 in. (38.1 mm) larger than the tear on all sides.
 - 1) Make sure that the corners on the tape patch are rounded.
 - (d) Put the tape patch over the tear.
 - 1) Make sure that the tape patch overlaps the damaged area by 0.75 in. (19.05 mm) to 1.5 in. (38.1 mm) on all sides.
 - (e) Push on the tape patch to make sure there is a good bond with the insulation blanket cover.

SUBTASK 25-80-00-340-026

- (5) To repair damage that is larger than a tear in the insulation blanket cover, do these steps:
 - (a) Cut a rectangle out of the damaged blanket cover which fully removes the damaged area.
 - 1) Keep the rectangle cutout as template to make a new replacement cover patch.
 - (b) Use the rectangle cutout template to make a rectangle cover patch that is similar in shape and size as the template from insulation cover, G50606 (BMS8-380).
 - (c) If there is damage to the fiberglass batting insulation, G00086 (BMS8-48) inside the blanket cover, do these steps:

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- 1) If the damaged area is only on the first layer of the fiberglass batting, do these steps:
 - a) Cut a rectangle out of the damaged fiberglass batting to fully remove the damaged area on the first layer of the fiberglass batting, and leave behind a rectangular void in the blanket.
 - b) Cut a ply of replacement fiberglass patch from fiberglass batting insulation, G00086 (BMS8-48) that extends a minimum of 2 in. (51 mm) past the edges of the rectangular void.
 - c) Put the replacement fiberglass patch over the center of the rectangular void and under the blanket cover.
- 2) If the damaged area is on multiple layers of the fiberglass batting, do these steps:
 - a) Cut out the damaged fiberglass batting to fully remove the damaged area.
 - b) Interleave new plies of fiberglass batting from fiberglass batting insulation, G00086 (BMS8-48) that is equivalent in type/class/grade as those used in the insulation blanket, as necessary.
- (d) Put the rectangle cover patch over the cutout on the insulation blanket cover.
- (e) Make a tape patch from tape, BMS5-157, that is a minimum of 1 in. (25 mm) larger than all sides of the rectangle cutout.
 - 1) Make sure that the corners on the tape patch are rounded.
- (f) Put the tape patches over the joints to keep the rectangle cover patch in place on all sides.
 - 1) Make sure that the tape patch overlaps the joint by a minimum of 1 in. (25 mm) on all sides.
- (g) Push on the tape patch to make sure there is a good bond with the insulation blanket cover.
- (h) Install external garment tags, spaced at 6 in. (152 mm) onto the overlapped fiberglass repair area to keep the fiberglass batting in position between the covers.
 - 1) Cut a 1 in. (25 mm) diameter circle of tape, BMS5-157, for use as reinforcement tape.
 - 2) Put the reinforcement tape over the area where the external garment tag is to be stapled through on both sides of the blanket.
 - 3) Staple the external garment tag through all layers of the insulation blanket, which includes the reinforcement tapes.
 - 4) Cut a 2 in. (51 mm) diameter circle of tape, BMS5-157, for use as covering tape.
 - 5) Put the covering tape over the external garment tag and reinforcement tape onto the insulation cover on both sides of the insulation blanket.
 - 6) Push on the tape to make sure there is a good bond with the insulation blanket cover.

SUBTASK 25-80-00-340-027

- (6) To replace damaged hook/loop tape, G50333 (BMS8-372) on the insulation blanket cover, do these steps:
 - (a) Carefully removed the damaged part of the hook/loop tape, G50333 from the insulation blanket cover.

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- (b) Clean and dry the adhesive surface left by the removal of the damaged hook/loop tape, G50333.
- (c) Put a piece of tape, BMS5-157, over the area left by the removal of the damaged hook/loop tape, G50333 on both sides of the insulation blanket assembly, if it is necessary.
 - 1) Make sure that the tape is larger than the damaged area on the insulation cover by a minimum of 1 in. (25 mm) on all sides.
- (d) Install the replacement hook/loop tape, G50333 (BMS8-372) at the correct location on the insulation blanket cover

———— **END OF TASK** ————

TASK 25-80-00-300-802

6. Insulation Blanket Manufacturing (per Production Part Specifications)

(Figure 802)

A. General

- (1) This procedure gives instructions to make a new insulation blanket per Production Part specifications.
- (2) The new insulation blanket can either be made from the assembly of various component materials, or from a semi-finished insulation blanket strip, that is pre-assembled and built from equivalent component materials that are comparable in type/class/grade as those which are not pre-assembled.
- (3) The damaged insulation blanket can be used as a template to make a new insulation blanket.
- (4) Boeing has also provided a standardized 'Universal Blanket' template which can be used to fabricate insulation blankets in specific areas of the airplane (Insulation Blanket Manufacturing (per Universal Blanket Template), TASK 25-80-00-300-803).

NOTE: Some areas of the airplane are not considered part of the 'Universal Blanket' template; blankets in these areas may be fabricated per this task.

- (5) Operator has the option to fabricate a new insulation blanket to production part specifications as described in this task, or may utilize the 'Universal Blanket' template as described in Insulation Blanket Manufacturing (per Universal Blanket Template), TASK 25-80-00-300-803.

B. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt.", which stands for Optional.

Reference	Description
COM-11573	Installation Tool - Garment Tag Part #: 954885 Supplier: 16956

C. Consumable Materials

Reference	Description	Specification
G50019	Tape - Flexible Foam Sound Damping And Sealing Tape	BMS8-283 Type I
G50328	Fabric - Advance Polymer Coated, Flame Propagation Resistant	BMS8-370
G50329	Fabric - High Mass Coated, Flame Propagation Resistant	BMS8-374

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(Continued)

Reference	Description	Specification
G50330	Fabric - Insulation Covering, Flame Propagation Resistant	BMS8-377
G50333	Tape - Hook/Loop Fastener, Flame Propagation Resistant	BMS8-372
G50334	Felt - Needled, Flame Propagation Resistant	BMS8-373
G50341	Thread - Kevlar Sewing (T40), Strip Machine Thread (T60)	A-A-55220 Bonded Tex 40, Tex 60
G50442	Fastener - Garment Tag, Nylon (Avery Dennison Standard T-End Swiftach)	
G50789	Tape - Adhesive Insulation Blanket	BMS5-157 Type I Class 2 Grade C Composition MPEEK
G51202	Tape - Advanced Insulation Blanket	BMS5-157 Type I Class 1 Grade A Composition MPVF
G51205	Tape - Advanced Insulation	BMS5-157 Type I Class 3 Grade E Composition MPEEK
G51533	Cover - Insulation, Ethylene CholorTriFluoroEthylene (ECTFE) film	BMS8-380 Type 4 Class 2
G51553	Insulation - Flame Penetration Resistant	BMS8-396, Type 2
G51595 [BMS8-300]	Foam - Flexible Polyimide	
G51600	Cover - Insulation, Polyetheretherketone (PEEK) - Flame Propagation Resistant	BMS8-380 Type 3 Class 2
G51614	Insulation - Thermal - Thermal-Acoustical Fiberglass (Water-Repellant, Punk-Resistant Fiberglass Batting)	BMS8-48

D. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

E. Make a New Insulation Blanket

NOTE: The new insulation blanket can either be made from the assembly of various component materials, or from a semi-finished insulation blanket strip, that is pre-assembled and built from equivalent component materials that are comparable in type/class/grade as those which are not pre-assembled.

NOTE: Cover, insulation, G51553 (BMS8-396), must be continuous when used as inboard or outboard covering.

NOTE: If specific insulation blanket build-up and raw material information (such as Type/Class/Grade) cannot be determined from the damaged blanket template, contact Boeing Engineering.

SUBTASK 25-80-00-340-028

- (1) To make a new insulation blanket from component materials, do these steps:
 - (a) Use the damaged insulation blanket as a template to outline its shape.

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- (b) If the insulation blanket will be installed at the bottom of the windows or above, make the insulation cover (or combination of covers) from one of the following materials:
 - 1) fabric, G50330 (BMS8-377).
 - 2) fabric, G50328 (BMS8-370).
 - 3) fabric, G50329 (BMS8-374).
 - 4) felt, G50334 (BMS8-373).
- (c) If the insulation blanket will be installed below the bottom of the windows, make the insulation cover (or combination of covers) from the following material:
 - 1) insulation, G51553 (BMS8-396).
 - 2) insulation cover, G51600 (BMS8-380).
- (d) The use of fiberglass batting insulation, G51614 (BMS8-48), or the foam insulation, G51595 [BMS8-300].
 - 1) Make sure that you use fiberglass batting insulation, G51614 (BMS8-48), or foam insulation, G51595 [BMS8-300], that are equivalent in type/class/grade as those in the template.
 - 2) Interleave the fiberglass batting insulation, G51614 (BMS8-48), and foam insulation, G51595 [BMS8-300], if it is necessary to extend the blanket.
- (e) Put the applicable fiberglass batting insulation and foam insulation in between the applicable inboard and outboard insulation covers.

SUBTASK 25-80-00-340-029

- (2) To make a new insulation blanket from a semi-finished insulation blanket strip, do these steps:
 - (a) Make sure that you use a semi-finished insulation blanket strip that is pre-assembled and built from equivalent component materials that are comparable in type/class/grade as those which are not pre-assembled.
 - (b) Use the damaged insulation blanket as a template to outline its shape on the semi-finished insulation blanket strip.
 - (c) Cut the semi-finished insulation blanket strip to the same shape as the template outline.
 - (d) Interleave the fiberglass batting and foam insulation as applicable, if it is necessary to extend the blanket.

SUBTASK 25-80-00-340-030

- (3) Do these steps to install external garment tag fastener, G50442, to connect the layers of insulation blanket materials:

NOTE: The garment tag is a commercially available plastic fastener that is stapled through all layers of the insulation blanket and fastened to keep the fiberglass batting inside the insulation blanket in the same position in relation to the blanket covers.

- (a) Use tape, G51202, or Class 1 Grade A equivalent (BMS5-157) with fabric, G50330 (BMS8-377).
- (b) Use tape, G50789, or Class 2 Grade C equivalent (BMS5-157) with insulation cover, G51600 (BMS8-380, PEEK), and insulation, G51553 (BMS8-396).
- (c) Use tape, G51205, or Class 3 Grade E equivalent (BMS5-157) with insulation cover, G51533 (BMS8-380, ECTFE).
- (d) Cut a 1.00 in. (25.40 mm) diameter circle of tape for use as reinforcement tape.
- (e) Put the reinforcement tape over the area where the external garment tag fastener, G50442, is to be stapled through on both sides of the blanket.

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- (f) Use the garment tag installer, COM-11573, to staple the external garment tag fastener, G50442, through all layers of the insulation blanket, which includes the reinforcement tapes.
- 1) Make sure that you use a garment tag fastener, G50442, of the correct length in relation to the nominal thickness of the insulation blanket (Table 801).

Table 801/25-80-00-993-802 Insulation Blanket Garment Tag Sizes

Nominal Thickness of Insulation Blanket	Garment Tag Length
NOTE: This is the total nominal thickness of all layers of raw material used in blankets.	
4.01 in. (101.85 mm) to 7.01 in. (178.05 mm)	3.00 in. (76.20 mm)
2.01 in. (51.05 mm) to 4.00 in. (101.60 mm)	2.00 in. (50.80 mm)
1.26 in. (32.00 mm) to 2.00 in. (50.80 mm)	1.00 in. (25.40 mm)
0.51 in. (12.95 mm) to 1.25 in. (31.75 mm)	0.50 in. (12.70 mm)
0.38 in. (9.65 mm) to 0.50 in. (12.70 mm)	0.25 in. (6.35 mm)

- (g) Cut a 2.00 in. (50.80 mm) diameter circle of tape for use as covering tape.
- (h) Put the covering tape over the external garment tag fastener, G50442, and reinforcement tape, onto the insulation cover on both sides of the blanket.
- (i) Push on the tape to make sure there is a good bond with the blanket cover.

SUBTASK 25-80-00-340-031

- (4) Do the applicable steps to close the edges and cutouts of the insulation blanket:
- (a) Method 1: Sew the Edges
- 1) Fold the cover fabric over the edge of the blanket or wrap a strip of cover fabric over the edge of the blanket as applicable to bind the edge on the blanket.
- 2) Stitch the edge with kevlar sewing thread, G50341, at 4 to 6 stitches per each inch.
- 3) Make sure the stitches go through the edge binding on both sides of the insulation blanket.
- 4) Seal the stitching on the blanket with the applicable tape.
- Use tape, G51202, or Class 1 Grade A equivalent (BMS5-157) with fabric, G50330 (BMS8-377).
 - Use tape, G50789, or Class 2 Grade C equivalent (BMS5-157) with insulation cover, G51600 (BMS8-380, PEEK), and insulation, G51553 (BMS8-396).
 - Use tape, G51205, or Class 3 Grade E equivalent (BMS5-157) with insulation cover, G51533 (BMS8-380, ECTFE).

- (b) Method 2: Tape the Edges.

NOTE: This is applicable to BMS8-377, BMS8-396 materials only.

- 1) Use the applicable tape for fabric, G50330 (BMS8-377), and for insulation, G51553 (BMS8-396), that is sufficiently wide to overlap the top and bottom of the blanket by a minimum of 0.75 in. (19.05 mm).
- Use tape, G51202, or Class 1 Grade A equivalent (BMS5-157) with fabric, G50330 (BMS8-377).
 - Use tape, G50789, or Class 2 Grade C equivalent (BMS5-157) with insulation, G51553 (BMS8-396).
- 2) Make the edge the same height as the template.

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- (c) Method 3: Heat-seal the Edges

NOTE: Not all types of fabric can be heat sealed. Fabric that can be heat sealed may be heavier than fabric that cannot be heat sealed. Make sure that you use the correct type of fabric. Blanket edges can be heat sealed using thermal or ultrasonic equipment.

- 1) Hold the top and bottom covers together and heat-seal the edges of the blanket.
- 2) The width of the heat seal must be 0.25 in. (6.35 mm) to 0.5 in. (12.7 mm).

SUBTASK 25-80-00-340-032

- (5) Install hook/loop tape, G50333 (BMS8-372), where applicable.

SUBTASK 25-80-00-340-033

- (6) Install the water diverter on the insulation blanket with tape, G50019 (BMS8-283), or foam insulation, G51595 [BMS8-300], equivalent, where applicable.

SUBTASK 25-80-00-340-034

- (7) To make a grommet through a hole in the insulation blanket with cover fabric, G50330 (BMS8-377), use tape, G51202, or Class 1 Grade A equivalent (BMS5-157), to bond it to the insulation blanket.

SUBTASK 25-80-00-340-035

- (8) To make a grommet through a hole in the insulation blanket with insulation, G51553 (BMS8-396), use tape, G50789, or Class 2 Grade C equivalent (BMS5-157), to bond it to the insulation blanket.

SUBTASK 25-80-00-340-036

- (9) Do these steps to install vents in the insulation blanket cover fabric, G50330 (BMS8-377):
- (a) Use tape, G51202, or Class 1 Grade A equivalent (BMS5-157), with fabric, G50330 (BMS8-377).
 - (b) Make sure you install the vent so that it opens in the same direction as on the template.
 - (c) Cut a hole approximately 1 in. (25 mm) in diameter in the cover fabric.
 - (d) Cut a 2 in. (51 mm) circle of tape.
 - (e) Remove the release liner from a small part of the circle tape.
 - (f) Attach the circle tape over the hole in the blanket.

SUBTASK 25-80-00-340-037

- (10) Do these steps to install vents in the insulation, G51553 (BMS8-396):
- (a) Use tape, G50789, or Class 2 Grade C equivalent (BMS5-157), with insulation, G51553 (BMS8-396).
 - (b) Make sure that you install the vent so that it opens in the same direction as on the template.
 - (c) Cut a hole approximately 1 in. (25 mm) in diameter in the cover fabric.
 - (d) Cut a 2 in. (51 mm) circle of tape.
 - (e) Remove the release liner from a small part of the circle tape.
 - (f) Attach the circle tape over the hole in the blanket.

SUBTASK 25-80-00-340-038

- (11) Do these steps to quilt the blanket, where applicable:
- (a) Quilt through all layers of the insulation blanket, from cover to cover with kevlar sewing thread, G50341, at 4 to 6 stitches per inch.

EFFECTIVITY
SIA ALL

D633AM101-SIA

ECCN 9E991 BOEING PROPRIETARY - See title page for details

25-80-00

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737-7/8/8200/9/10
AIRCRAFT MAINTENANCE MANUAL

- (b) Make sure that the grid size of the quilting is a minimum 1 in. (25 mm) by 1 in. (25 mm) square or larger.
- (c) Apply the applicable strips of tape over the quilting:
 - 1) Use tape, G51202, or Class 1 Grade A equivalent (BMS5-157), with fabric, G50330 (BMS8-377).
 - 2) Use tape, G50789, or Class 2 Grade C equivalent (BMS5-157), with insulation, G51553 (BMS8-396).
- (d) Overlap the strips of tape over both sides of the quilting at 0.75 in. (19.05 mm) intervals.

SUBTASK 25-80-00-340-039

- (12) To add drain holes to the insulation blanket, cut 0.5 in. (12.7 mm) diameter drain holes at the bottom edge of the blanket on the inboard side at 2 in. (51 mm) intervals, where applicable.

SUBTASK 25-80-00-340-040

- (13) Add this part information on the inboard side of the completed insulation blanket cover:
 - (a) Part Number.
 - (b) Supplier Name.
 - (c) Date of Manufacture.

SUBTASK 25-80-00-340-041



DO NOT COMPRESS THE INSULATION BLANKET BY MORE THAN 50 PERCENT. THIS DECREASES THE THERMAL AND ACOUSTIC PROPERTIES. IF YOU COMPRESS IT TOO MUCH, DAMAGE TO THE INSULATION BLANKET WILL OCCUR.

- (14) Put the insulation blanket in a neat stack on a shelf or in a bag for shipping.

———— **END OF TASK** ————

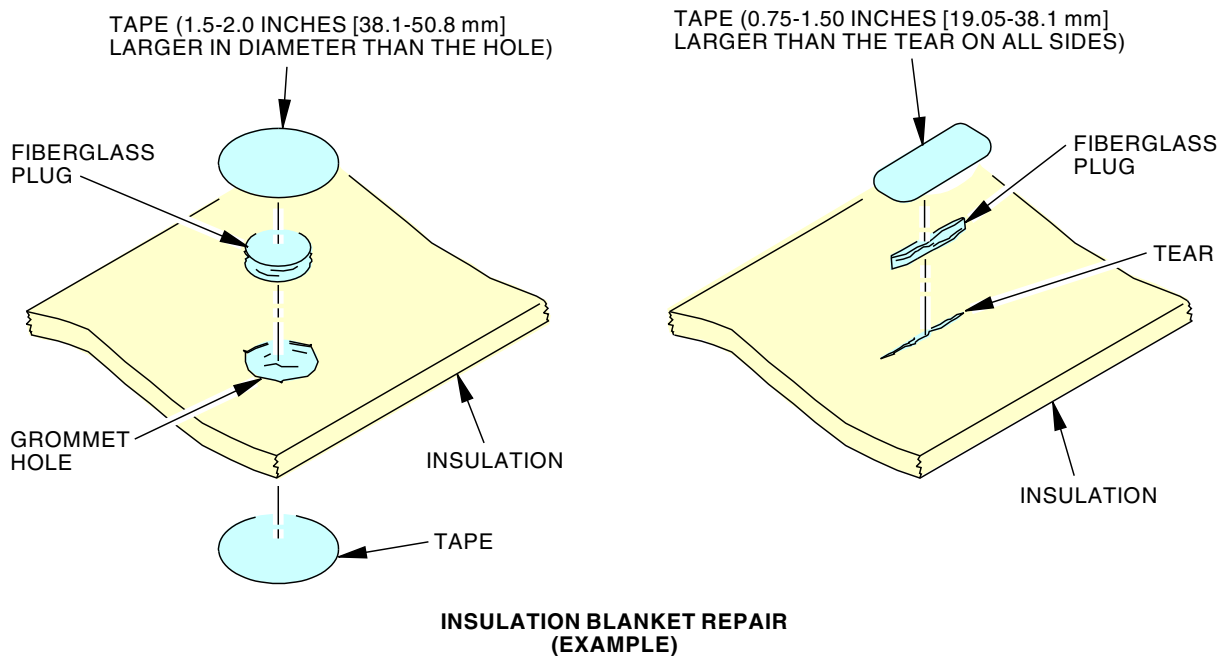
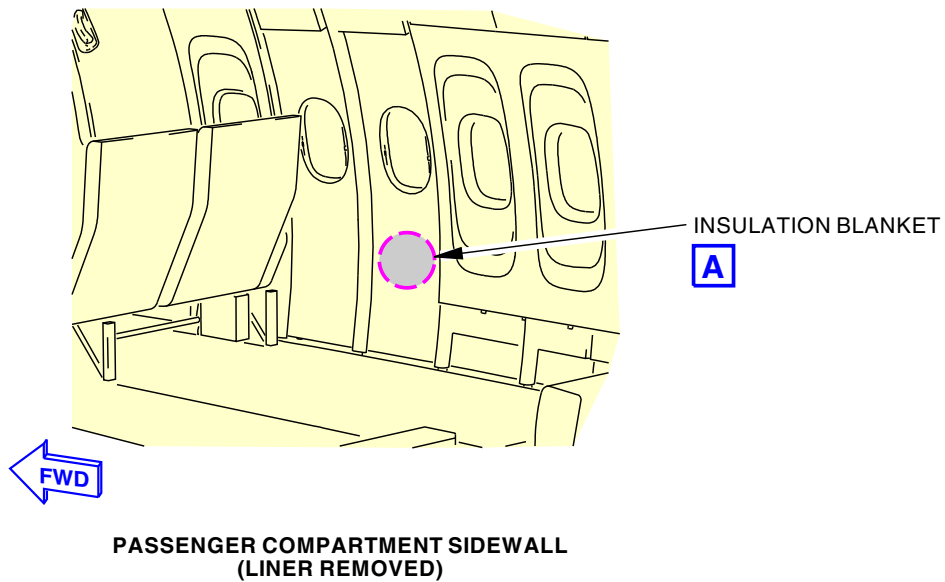
EFFECTIVITY
SIA ALL

D633AM101-SIA

ECCN 9E991 BOEING PROPRIETARY - See title page for details

25-80-00

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A

2412046 S00061529787_V2

Insulation Blanket Repair
Figure 801/25-80-00-990-805 (Sheet 1 of 2)

EFFECTIVITY
SIA ALL

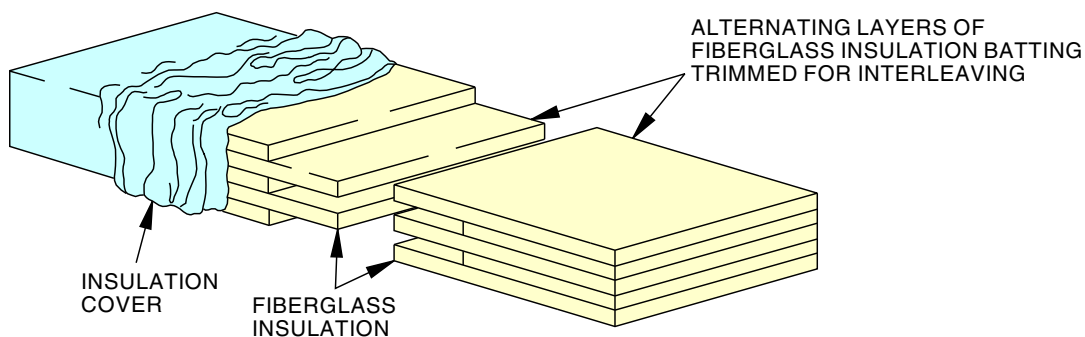
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ECCN 9E991 BOEING PROPRIETARY - See title page for details

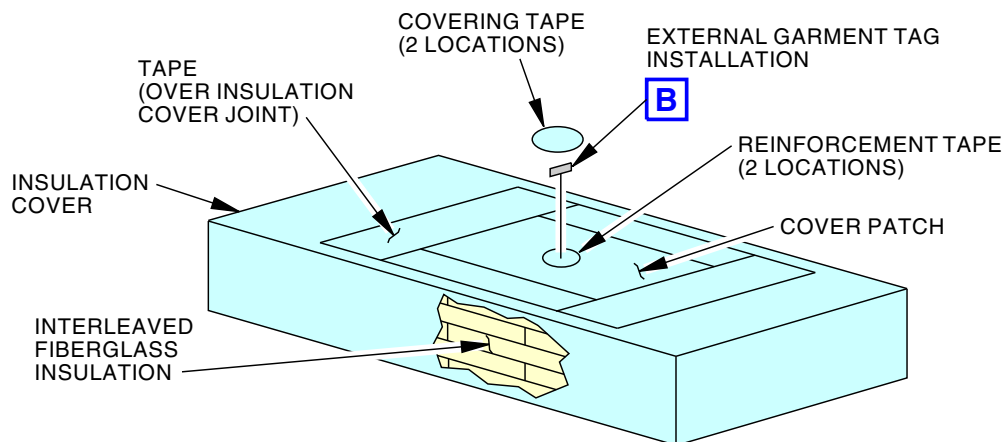
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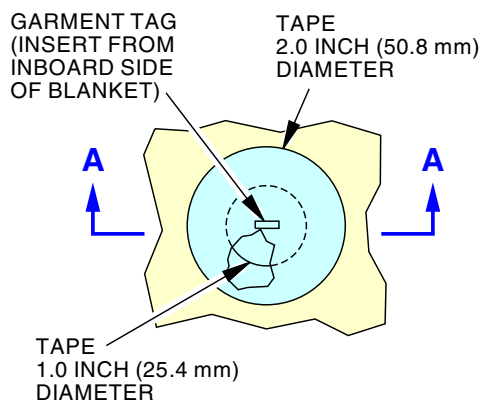
737-7/8/8200/9/10
AIRCRAFT MAINTENANCE MANUAL



PROCEDURE TO INTERLEAVE FIBERGLASS INSULATION BATTING

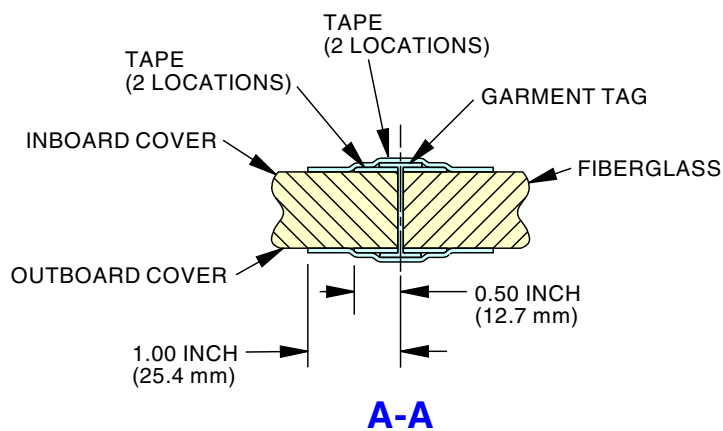


ATTACHMENT OF INTERLEAVED PARTS



**EXTERNAL GARMENT TAG
INSTALLATION
(EXAMPLE)**

B



2412047 S00061529788_V2

Insulation Blanket Repair
Figure 801/25-80-00-990-805 (Sheet 2 of 2)

EFFECTIVITY
SIA ALL

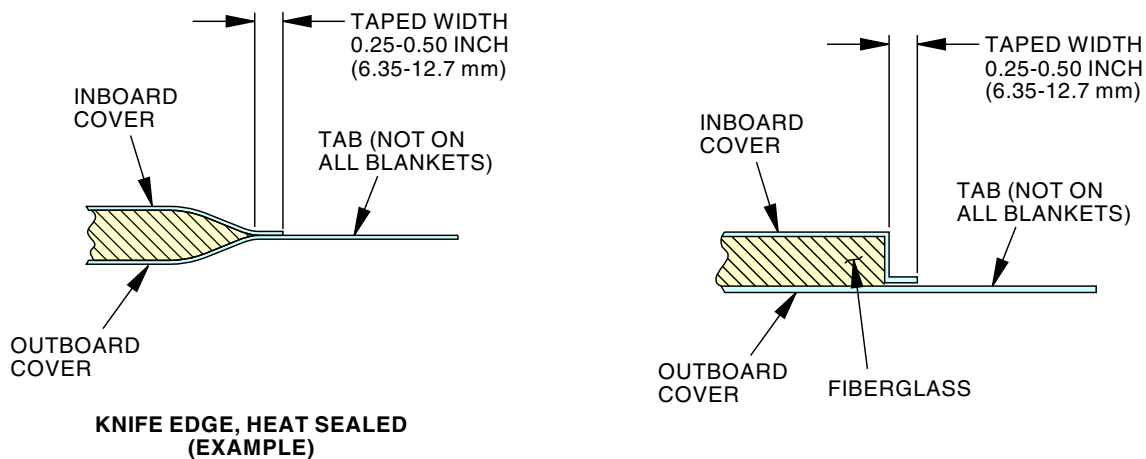
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ECCN 9E991 BOEING PROPRIETARY - See title page for details

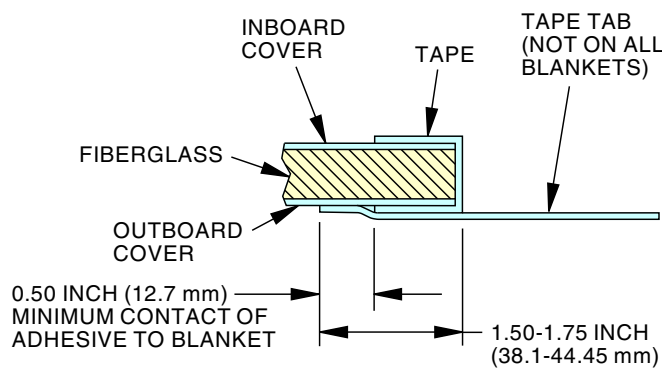
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AIRCRAFT MAINTENANCE MANUAL



BOX EDGE, HEAT SEALED (EXAMPLE)



BOX EDGE, TAPED (EXAMPLE)

2412048 S00061529789_V1

Insulation Blanket Manufacturing
Figure 802/25-80-00-990-806 (Sheet 1 of 10)

EFFECTIVITY
SIA ALL

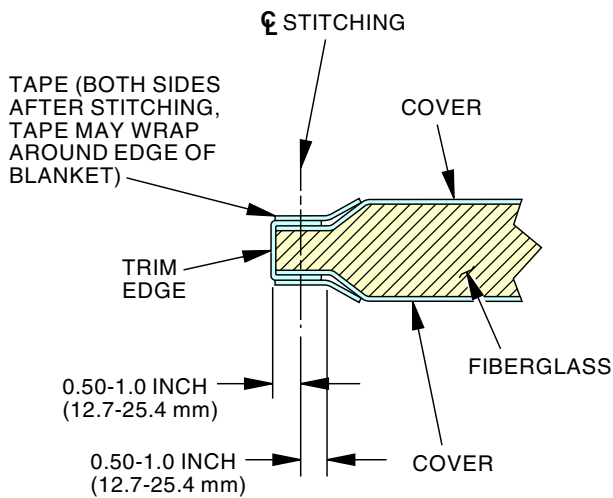
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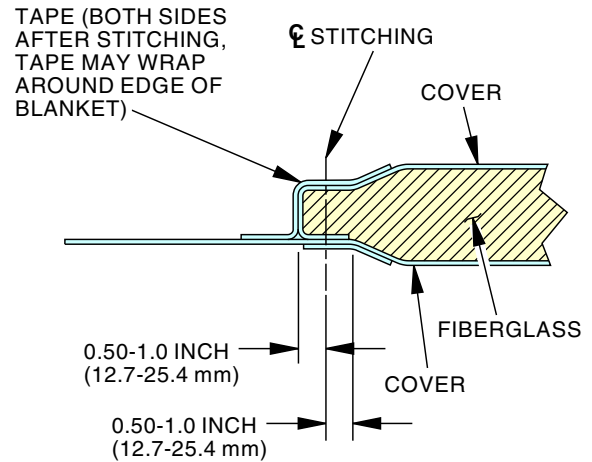
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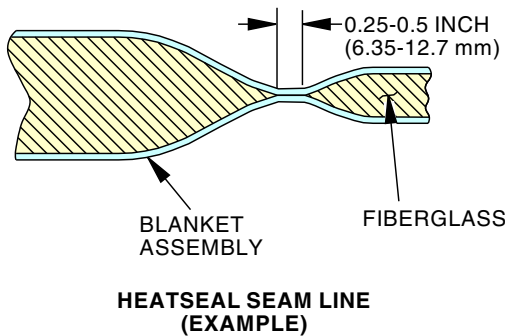
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AIRCRAFT MAINTENANCE MANUAL



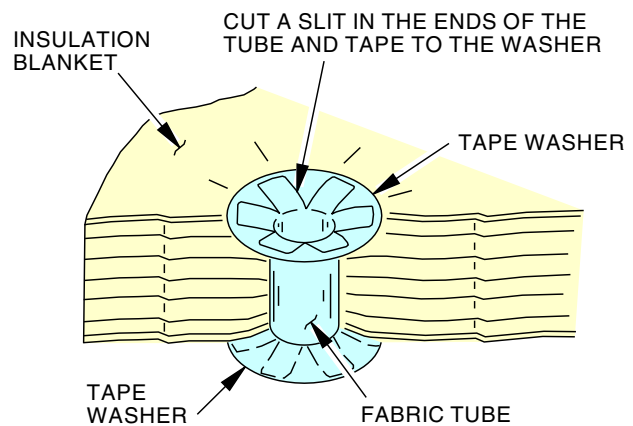
EDGE BINDING WITHOUT A TAB,
SEWN EDGE



EDGE BINDING WITH A TAB,
SEWN EDGE



HEATSEAL SEAM LINE
(EXAMPLE)



GROMMET INSTALLATION ON
INSULATION BLANKETS

2412049 S00061529790_V2

Insulation Blanket Manufacturing
Figure 802/25-80-00-990-806 (Sheet 2 of 10)

EFFECTIVITY
SIA ALL

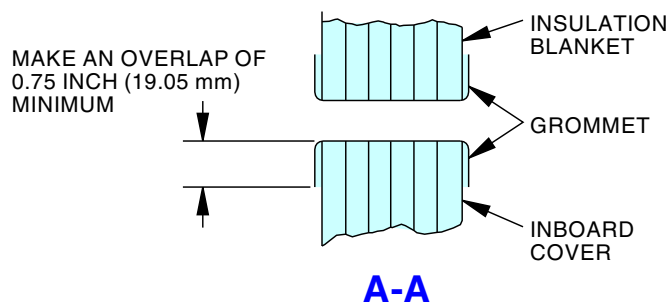
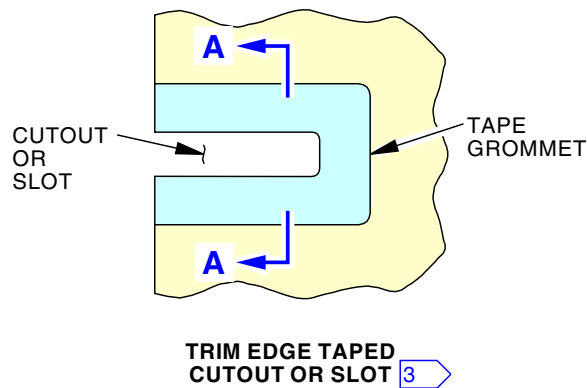
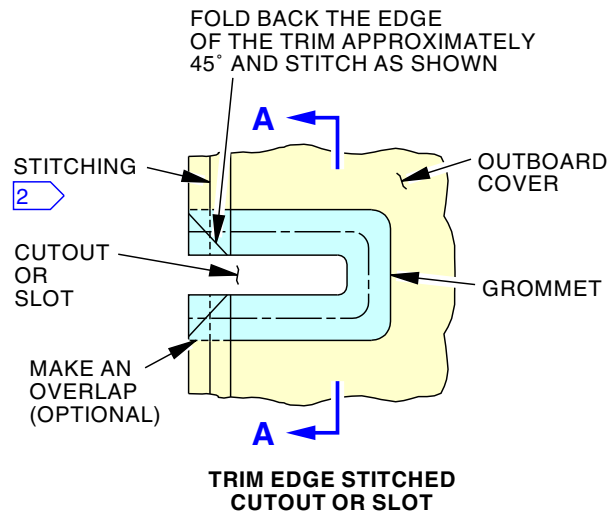
D633AM101-SIA

ECCN 9E991 BOEING PROPRIETARY - See title page for details

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AIRCRAFT MAINTENANCE MANUAL



NOTE:

- 2 USE KEVLAR SEWING THREAD TO MAKE 5 ± 1 STITCHES FOR EACH INCH
- 3 USE TAPE TO MAKE GROMMET

2412050 S00061529791_V2

Insulation Blanket Manufacturing
Figure 802/25-80-00-990-806 (Sheet 3 of 10)

EFFECTIVITY
SIA ALL

D633AM101-SIA

ECCN 9E991 BOEING PROPRIETARY - See title page for details

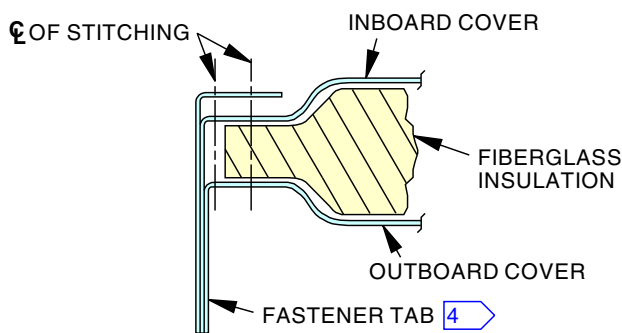
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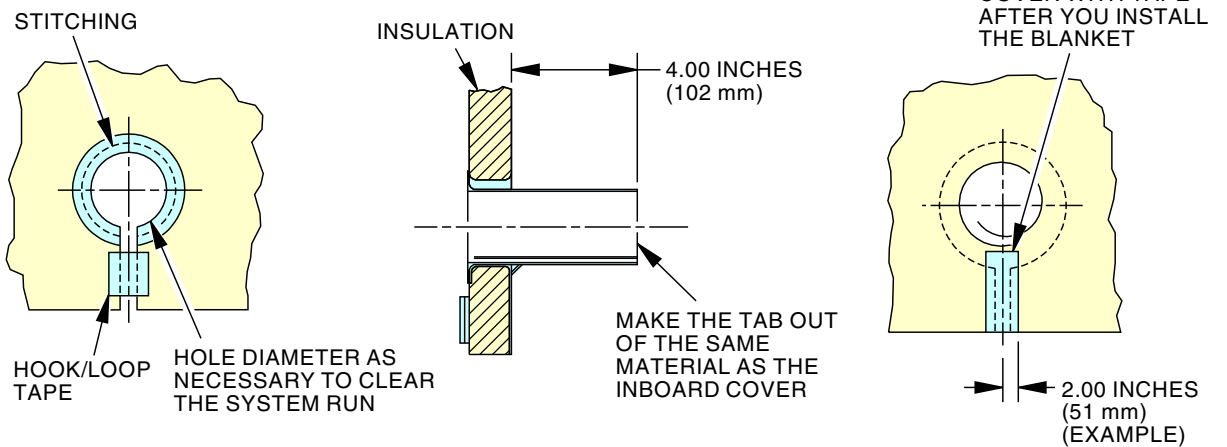
737-7/8/8200/9/10
AIRCRAFT MAINTENANCE MANUAL



**EXAMPLE PROCEDURE TO ATTACH
THE BLANKET ASSEMBLIES TO THE AIRPLANE STRUCTURE OR
TO OTHER BLANKET ASSEMBLIES WITH HOOK/LOOP TAPE**



TRIM-EDGE WITH A TAB



BLANKET OPENINGS FOR SYSTEM (TUBING, ETC)

NOTE:

4 MAKE THE FASTENER TAB FROM THE INBOARD AND OUTBOARD COVER, PLUS ONE LAYER OF COVER FABRIC.

2412051 S00061529792_V2

**Insulation Blanket Manufacturing
Figure 802/25-80-00-990-806 (Sheet 4 of 10)**

EFFECTIVITY
SIA ALL

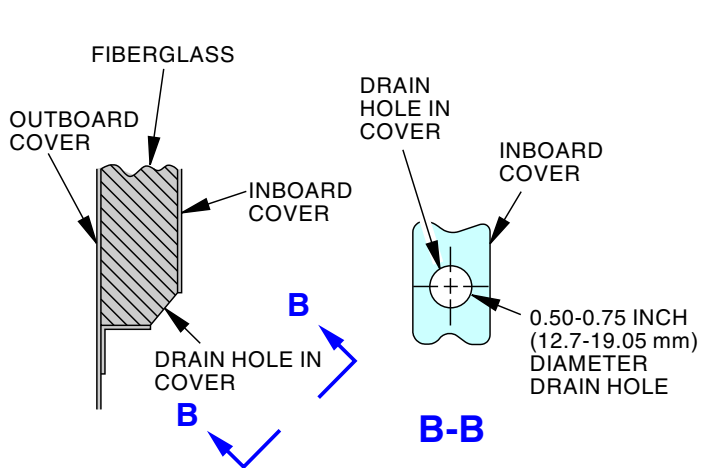
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ECCN 9E991 BOEING PROPRIETARY - See title page for details

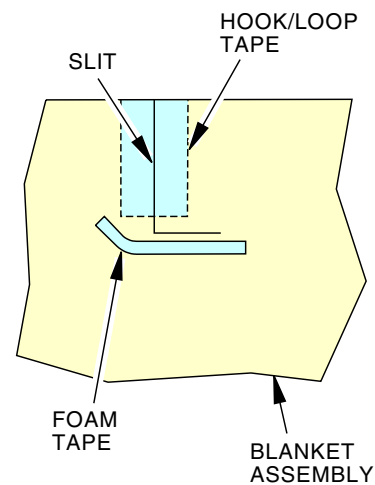
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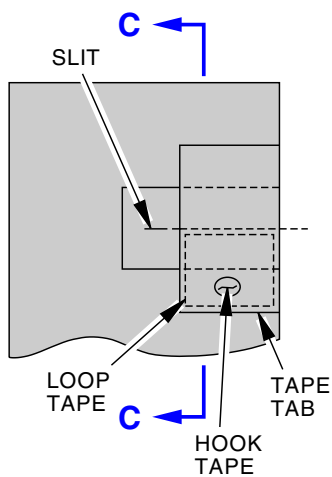
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AIRCRAFT MAINTENANCE MANUAL



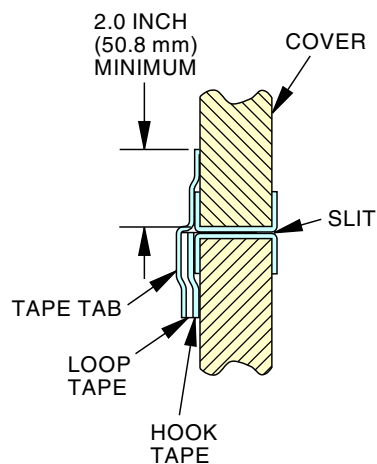
BOX EDGE DRAIN
(EXAMPLE)



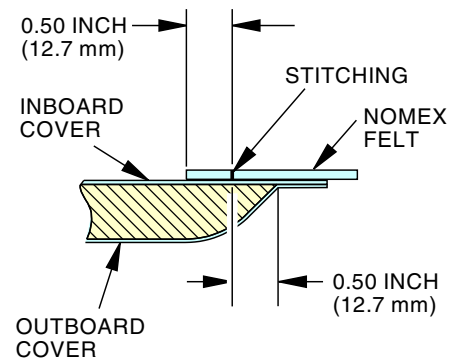
FOAM TAPE WATER DIVERTER
(FOAM TAPE LOCATED ON OUTBOARD
SIDE OF CAPSTRIP)
(EXAMPLE)



CLOSURE FOR SLITS
(EXAMPLE)



C-C



NOMEX ATTACHMENT
(EXAMPLE)

2412052 S00061529793_V2

Insulation Blanket Manufacturing
Figure 802/25-80-00-990-806 (Sheet 5 of 10)

EFFECTIVITY
SIA ALL

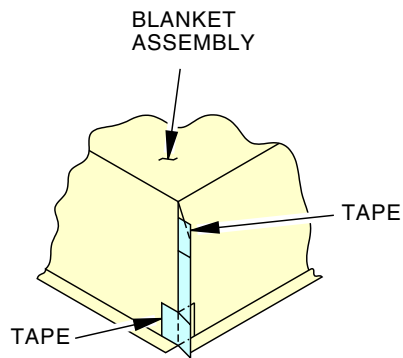
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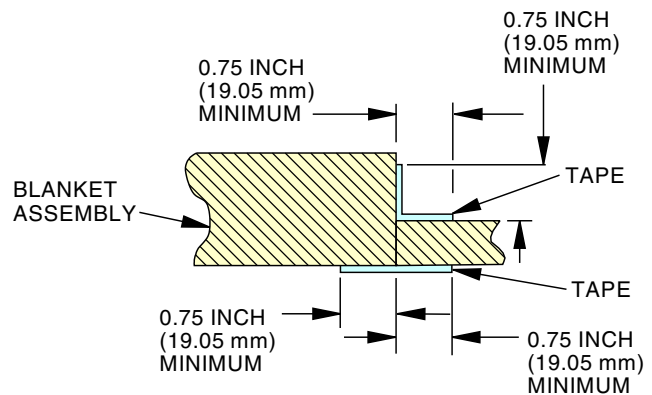
25-80-00

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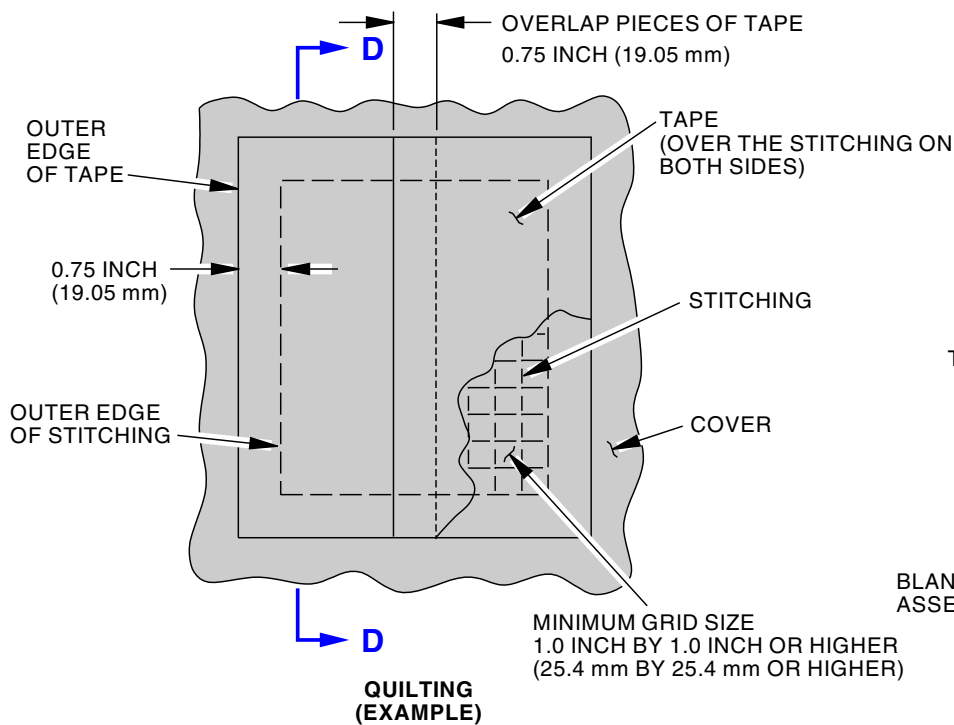
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AIRCRAFT MAINTENANCE MANUAL



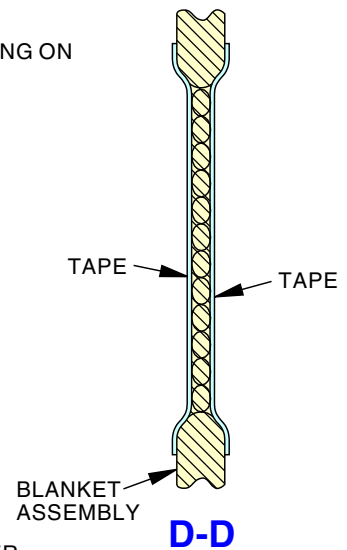
**REINFORCED CORNER
OF BOXED BLANKET
(EXAMPLE)**



**BLANKET ATTACHMENT
(EXAMPLE)**



**QUILTING
(EXAMPLE)**



2412053 S00061529794_V2

**Insulation Blanket Manufacturing
Figure 802/25-80-00-990-806 (Sheet 6 of 10)**

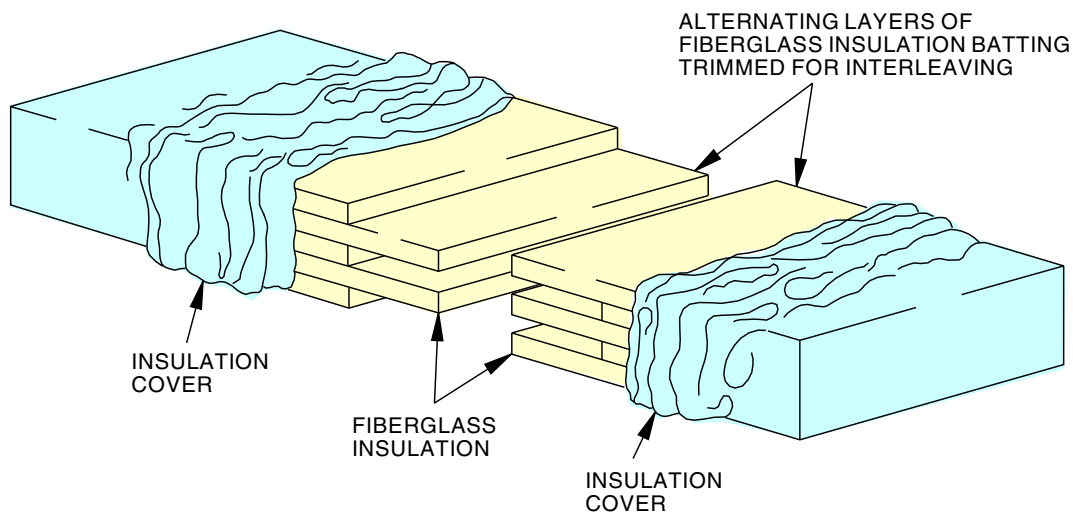
EFFECTIVITY
SIA ALL

D633AM101-SIA

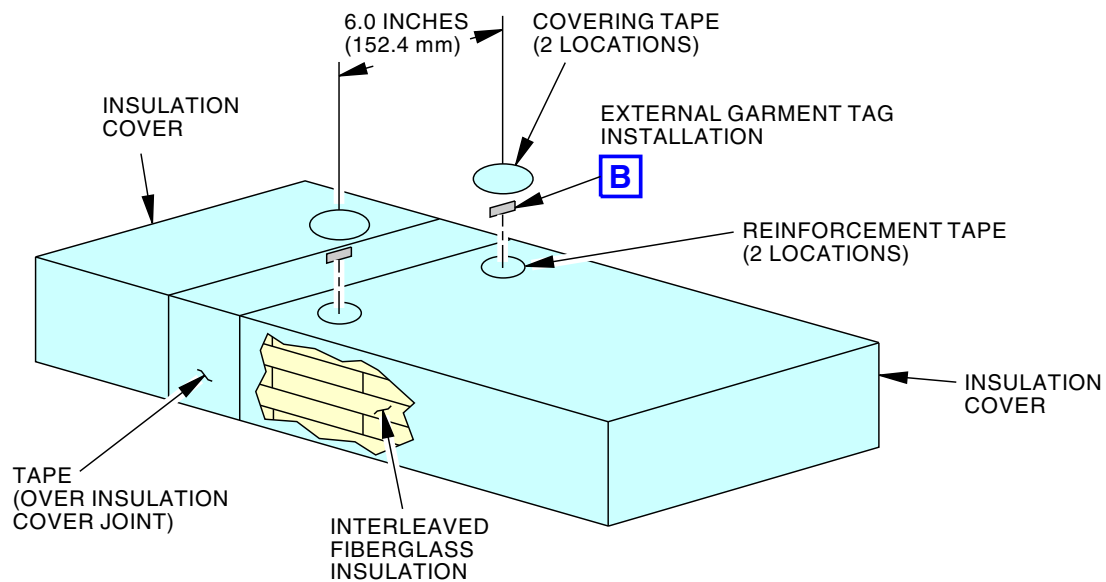
ECCN 9E991 BOEING PROPRIETARY - See title page for details

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PROCEDURE TO INTERLEAVE FIBERGLASS INSULATION BATTING



ATTACHMENT OF INTERLEAVED PARTS

2412054 S00061529795_V2

Insulation Blanket Manufacturing
Figure 802/25-80-00-990-806 (Sheet 7 of 10)

EFFECTIVITY
SIA ALL

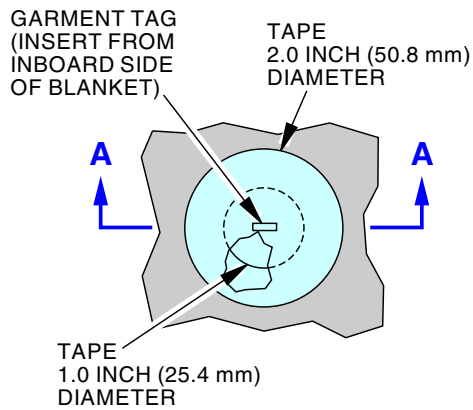
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D633AM101-SIA

ECCN 9E991 BOEING PROPRIETARY - See title page for details

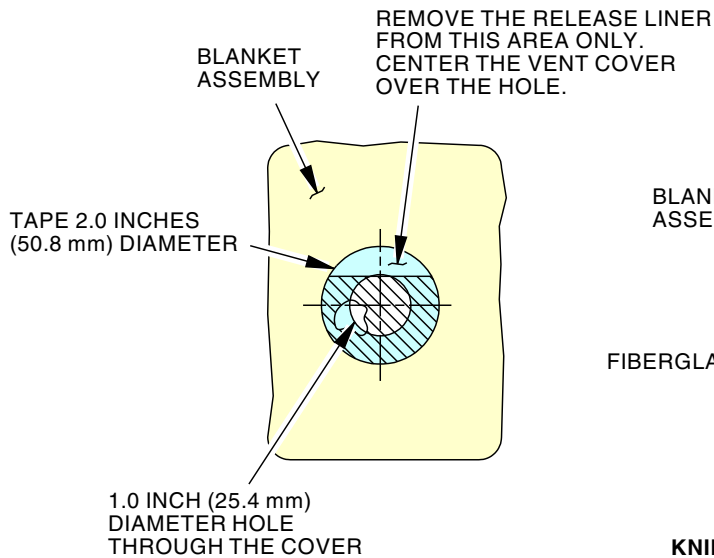
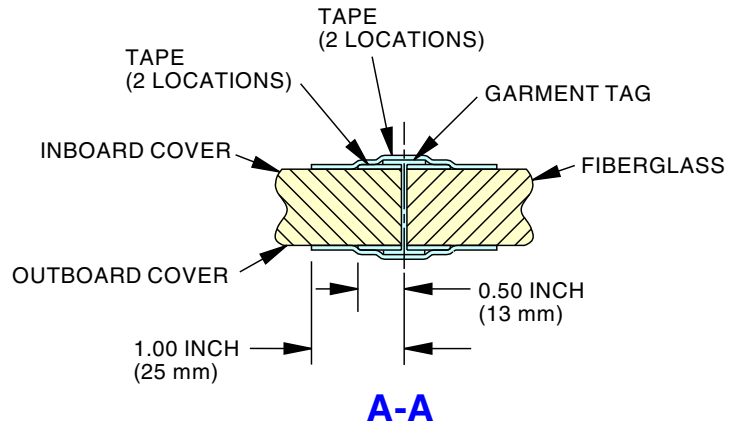
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AIRCRAFT MAINTENANCE MANUAL

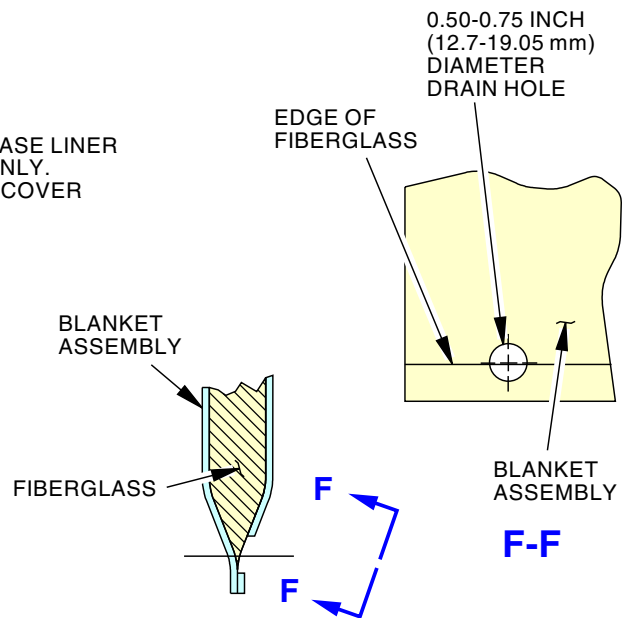


EXTERNAL GARMENT TAG INSTALLATION (EXAMPLE)

A



VENT INSTALLATION (EXAMPLE)



KNIFE EDGE DRAIN (EXAMPLE)

2412055 S00061529796_V2

Insulation Blanket Manufacturing
Figure 802/25-80-00-990-806 (Sheet 8 of 10)

EFFECTIVITY
SIA ALL

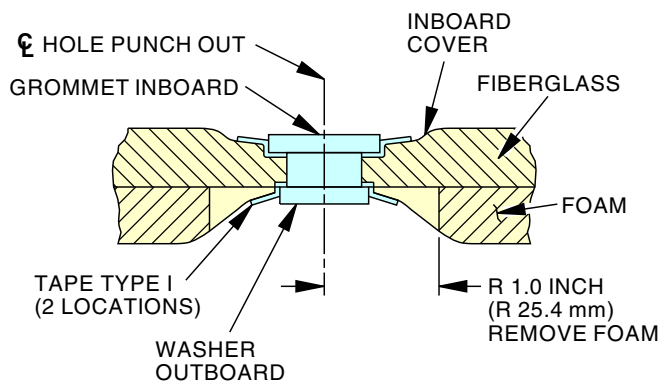
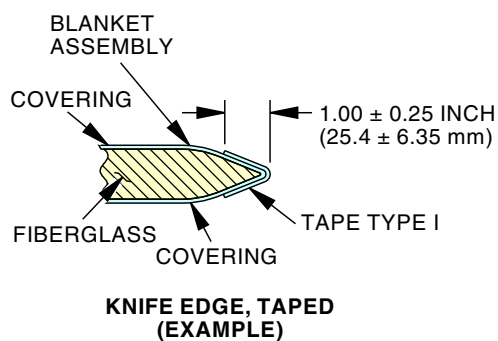
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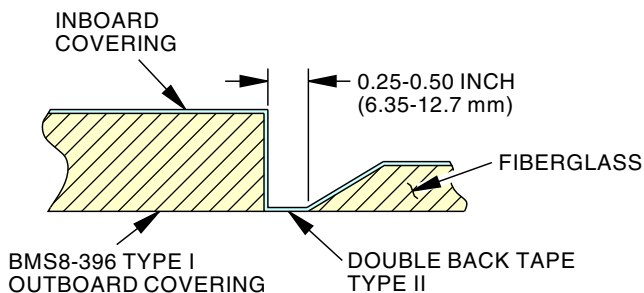
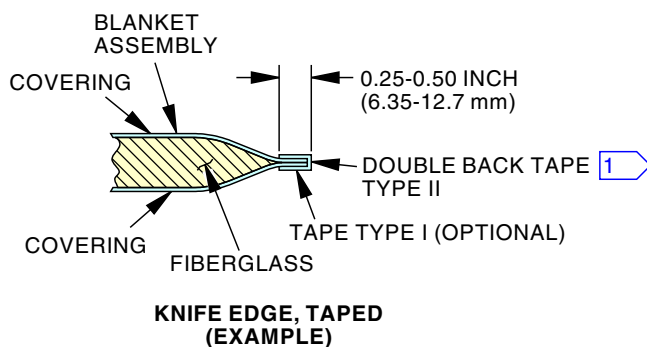
25-80-00

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AIRCRAFT MAINTENANCE MANUAL



**METAL GROMMET AND WASHER INSTALLATION (FOAM LAYER
SHOWN, OUTBOARD SIDE)
(EXAMPLE)**



**FIRE RESISTANT BARRIER COVER SEAM WITH TAPE (BOX EDGE BLANKET,
MORE THAN 2 INCHES THICK)
(EXAMPLE)**

NOTE:

1 USE DOUBLE BACK TAPE TO ATTACH INBOARD AND OUTBOARD COVER TOGETHER

2412056 S00061529797_V1

**Insulation Blanket Manufacturing
Figure 802/25-80-00-990-806 (Sheet 9 of 10)**

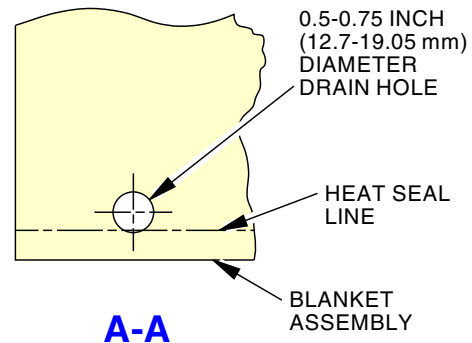
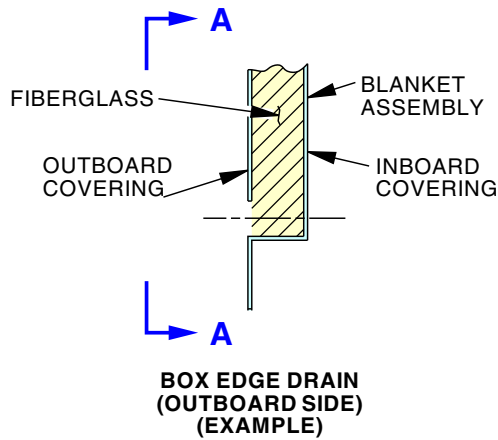
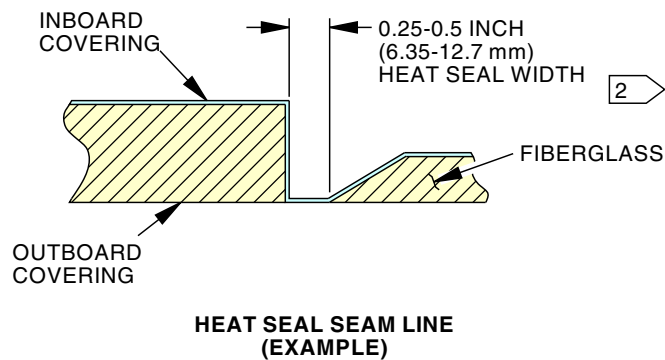
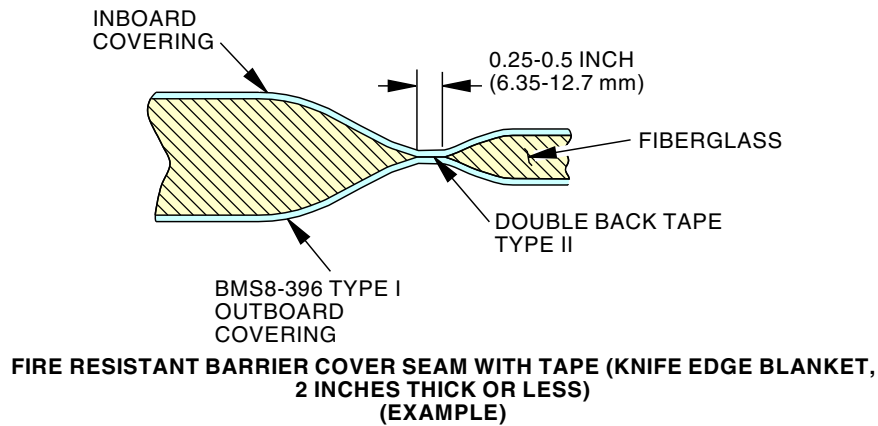
EFFECTIVITY
SIA ALL

D633AM101-SIA

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AIRCRAFT MAINTENANCE MANUAL



NOTE:

 USE ONLY THERMAL HEAT SEAL FOR FIRE RESISTANT BARRIER COVERING (BMS8-396).

2412057 S00061529798_V1

Insulation Blanket Manufacturing
Figure 802/25-80-00-990-806 (Sheet 10 of 10)

EFFECTIVITY
SIA ALL

D633AM101-SIA

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TASK 25-80-00-340-805

7. Repair of Cargo Door Insulation Blankets

A. General

- (1) This procedure gives instructions to make repairs to the cargo door insulation blankets.
- (2) The area to be repair must be less than 25 percent of the total area of the inboard cover material.
- (3) Make sure the patch overlaps the joint by a minimum of 1.0 inch (25 mm) on all sides

B. References

Reference	Title
25-80-00-000-801	Insulation Blanket Removal (P/B 401)
25-80-00-400-801	Insulation Blanket Installation (P/B 401)

C. Tools/Equipment

Reference	Description
STD-126	Brush - Soft-bristle, Non-metallic
STD-6636	Vacuum Cleaner - wet and dry type

D. Consumable Materials

Reference	Description	Specification
A00153	Adhesive - Low Odor, Synthetic Rubber Cement	BMS5-30
G50328	Fabric - Advance Polymer Coated, Flame Propagation Resistant	BMS8-370
G50381	Abrasive - Aluminum Oxide Paper, 180 Grit	

E. Location Zones

Zone	Area
100	Lower Half of Fuselage

F. Repairs To BMS8-343 Type III

SUBTASK 25-80-00-212-003

- (1) Visually check the amount of damage to the insulation blanket.
 - (a) If the amount of damage is more than 25 percent of the total area on either the front side or back side of the insulation blanket, replace the insulation blanket. Do these tasks:
 - 1) Insulation Blanket Removal, TASK 25-80-00-000-801
 - 2) Insulation Blanket Installation, TASK 25-80-00-400-801
 - (b) If the amount of damage is less than 25 percent of the total area on either the front side or back side of the insulation blanket, continue.

SUBTASK 25-80-00-160-009



DO NOT USE DETERGENTS OR SOLVENTS TO CLEAN THE INSULATION BLANKET. IT CAN REMOVE FLAME RETARDANTS AND CAUSE FLAMMABLE RESIDUES ON THE INSULATION BLANKET WHICH INCREASES THE RISK OF FIRE. THIS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) If there is Corrosion-inhibiting Compounds (CIC) contamination, oily or waxy substances or other fluids (which typically changes the color and appearance of the insulation blanket cover), replace the insulation blanket.

EFFECTIVITY
SIA ALL

D633AM101-SIA

25-80-00

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AIRCRAFT MAINTENANCE MANUAL

- (3) If there is dust, lint or other loose debris on the insulation blanket, use a vacuum cleaner, STD-6636 or a soft-bristle non-metallic brush, STD-126 to remove the contamination.

SUBTASK 25-80-00-160-010

- (4) Make sure that the repair area is clean and dry.

SUBTASK 25-80-00-340-042

- (5) Do these steps if there is damage on the insulation blanket cover:
- (a) Identify the perimeter around the damaged area on the insulation blanket for a cover patch area that is larger than the damaged area by 1 in. (25 mm) to 1.5 in. (38.1 mm) on all sides.
 - (b) If the cover patch area that is identified on the damaged insulation blanket can fit into a 3 in. (76 mm) by 3 in. (76 mm) square, do these steps:
 - 1) Make a cover patch from fabric, G50328 that is larger than the damaged area by 1 in. (25 mm) to 1.5 in. (38.1 mm) on all sides.
 - a) Make sure the corners on the cover patch are rounded.
 - 2) Lightly abrade the entire adhesive side of the cover patch and the area to be covered by the cover patch, with 180 grit abrasive paper, G50381 or finer paper to remove any gloss.
 - 3) Apply adhesive, A00153 on the entire bonding surface of the cover patch area or insulation blanket cover.
 - 4) Put the adhesive side of the cover patch over the damaged area of the insulation blanket cover.
 - 5) Make sure there is an overlap of 1 in. (25 mm) to 1.5 in. (38.1 mm) between the damaged area and the edge of the cover patch on all sides.
 - 6) Wipe off any adhesive, A00153 that is not necessary.
 - 7) Push on the cover patch to make sure there is a good bond with the insulation blanket cover.
 - (c) If the cover patch area that is identified on the damaged insulation blanket is larger than a 3 in. (76 mm) by 3 in. (76 mm) square repeat the steps in (b) except that adhesive, A00153 shall be applied up to 1 in. (25 mm) wide around the periphery of the patch.

————— **END OF TASK** —————

TASK 25-80-00-300-803

8. Insulation Blanket Manufacturing (per Universal Blanket Template)

(Figure 803)

A. General

- (1) This procedure has instructions to make a new insulation blanket per a 'Universal Blanket' template.
- (2) The new insulation blanket can either be made from the assembly of various component materials, or from a semi-finished insulation blanket strip, that is pre-assembled and built from equivalent component materials that are comparable in type/class/grade as those which are not pre-assembled.
- (3) The damaged insulation blanket can be used as a template to make a new insulation blanket.
- (4) As shown in Figure 803, some areas of the airplane are not considered part of the 'Universal Blanket' template; blankets in these areas may be fabricated per Insulation Blanket Manufacturing (per Production Part Specifications), TASK 25-80-00-300-802.

EFFECTIVITY
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- (5) Operator has the option to fabricate a new insulation blanket to production part specifications as described in Insulation Blanket Manufacturing (per Production Part Specifications), TASK 25-80-00-300-802, or may utilize the 'Universal Blanket' template as described in this task.

B. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt.", which stands for Optional.

Reference	Description
COM-11573	Installation Tool - Garment Tag Part #: 954885 Supplier: 16956

C. Consumable Materials

Reference	Description	Specification
G50333	Tape - Hook/Loop Fastener, Flame Propagation Resistant	BMS8-372
G50341	Thread - Kevlar Sewing (T40), Strip Machine Thread (T60)	A-A-55220 Bonded Tex 40, Tex 60
G50442	Fastener - Garment Tag, Nylon (Avery Dennison Standard T-End Swiftach)	
G50789	Tape - Adhesive Insulation Blanket	BMS5-157 Type I Class 2 Grade C Composition MPEEK
G51205	Tape - Advanced Insulation	BMS5-157 Type I Class 3 Grade E Composition MPEEK
G51533	Cover - Insulation, Ethylene CholorTriFluoroEthylene (ECTFE) film	BMS8-380 Type 4 Class 2
G51553	Insulation - Flame Penetration Resistant	BMS8-396, Type 2
G51594	Foam - Flexible Polyimide	BMS8-300 Type IX Grade 3
G51596	Insulation - Thermal - Thermal-Acoustical Fiberglass (Water-Repellant, Punk-Resistant Fiberglass Batting)	BMS8-48 Type III Class 1 Grade A
G51597	Insulation - Thermal - Thermal-Acoustical Fiberglass (Water-Repellant, Punk-Resistant Fiberglass Batting)	BMS8-48 Type III Class 2 Grade K
G51598	Insulation - Thermal - Thermal-Acoustical Fiberglass (Water-Repellant, Punk-Resistant Fiberglass Batting)	BMS8-48 Type III Class 2 Grade B
G51599	Insulation - Thermal - Thermal-Acoustical Fiberglass (Water-Repellant, Punk-Resistant Fiberglass Batting)	BMS8-48, Type III Class 2, Grade J
G51600	Cover - Insulation, Polyetheretherketone (PEEK) - Flame Propagation Resistant	BMS8-380 Type 3 Class 2

D. Location Zones

Zone	Area
100	Lower Half of Fuselage

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(Continued)

Zone	Area
200	Upper Half of Fuselage

E. Make a New Insulation Blanket

NOTE: The new insulation blanket can either be made from the assembly of various component materials, or from a semi-finished insulation blanket strip, that is pre-assembled and built from equivalent component materials that are comparable in type/class/grade as those which are not pre-assembled.

NOTE: Cover, insulation, G51553 (BMS8-396), must be continuous when used as inboard or outboard covering.

NOTE: Boeing has provided a standardized 'Universal Blanket' template which can be used to fabricate insulation blankets in specific areas of the airplane (Table 802, Figure 803). Note that some areas of the airplane are not considered part of the 'Universal Blanket' template, and may be fabricated per Insulation Blanket Manufacturing (per Production Part Specifications), TASK 25-80-00-300-802.

SUBTASK 25-80-00-340-043

- (1) To make a new insulation blanket from component materials, do these steps:
 - (a) Use the damaged insulation blanket as a template to outline its shape.
 - (b) Refer to the Universal Blanket template (Table 802, Figure 803) to determine proper insulation cover material.

Table 802/25-80-00-993-803 Universal Blanket Template

	BMS8-380 Class 2 Type 3 (PEEK Coverfilm)				BMS8-380 Class 2 Type 4 (ECTFE Coverfilm)			
Aircraft Section	Blanket Fabrication Assembly (P/N)	Bulk Reference Code	Ply ID(s)	Part Type	Blanket Fabrication Assembly (P/N)	Bulk Reference Code	Ply ID(s)	Part Type
Sidewalls	411T5000-304	G51600	P1	Cover Film	411T5000-503	G51533	P1	Cover Film
		G51597	P2	Fiberglass Batting		G51597	P2	Fiberglass Batting
		G51597	P3	Fiberglass Batting		G51597	P3	Fiberglass Batting
		G51596	P4	Fiberglass Batting		G51596	P4	Fiberglass Batting
		G51596	P5	Fiberglass Batting		G51596	P5	Fiberglass Batting
		G51553	P6	Reinforced Film		G51553	P6	Reinforced Film

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Table 802/25-80-00-993-803 Universal Blanket Template (Continued)

Airdam	411T5000-122	G51600	P1	Cover Film	411T5000-406	G51533	P1	Cover Film
		G51598	P2	Fiberglass Batting		G51598	P2	Fiberglass Batting
		G51598	P3	Fiberglass Batting		G51598	P3	Fiberglass Batting
		G51598	P4	Fiberglass Batting		G51598	P4	Fiberglass Batting
		G51600	P5	Cover Film		G51533	P5	Cover Film
Crown	411T5000-106	G51600	P1	Cover Film	411T5000-400	G51533	P1	Cover Film
		G51599	P2	Fiberglass Batting		G51599	P2	Fiberglass Batting
		G51599	P3	Fiberglass Batting		G51599	P3	Fiberglass Batting
		G51599	P4	Fiberglass Batting		G51599	P4	Fiberglass Batting
		G51599	P5	Fiberglass Batting		G51599	P5	Fiberglass Batting
		G51600	P6	Cover Film		G51533	P6	Cover Film
Capstrips	411T5000-308	G51600	P1	Cover Film	411T5000-507	G51533	P1	Cover Film
		G51597	P2	Fiberglass Batting		G51597	P2	Fiberglass Batting
		G51553	P3	Reinforced Film		G51553	P3	Reinforced Film
Lower Lobe	411T5000-328	G51553	P1	Reinforced Film	411T5000-523	G51553	P1	Reinforced Film
		G51600	P2	Cover Film		G51533	P2	Cover Film
		G51596	P3	Fiberglass Batting		G51596	P3	Fiberglass Batting
		G51594	P4	Foam		G51594	P4	Foam
		G51553	P5	Reinforced Film		G51553	P5	Reinforced Film

NOTE: The ply (P#) at the bottom of each Raw Material Assembly (411T5000-####) is the outboard ply (e.g. P5 for Lower Lobe 411T5000-523 is the outboard ply).

- (c) Refer to the Universal Blanket template (Table 802, Figure 803) to determine proper insulation fiberglass batting and/or foam build-up.

NOTE: These are the applicable fiberglass batting and foam:

- fiberglass batting insulation, G51596
- fiberglass batting insulation, G51597
- fiberglass batting insulation, G51598
- fiberglass batting insulation, G51599
- foam insulation, G51594.

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- (d) Put the applicable fiberglass batting and foam in between the applicable inboard and outboard insulation covers.

SUBTASK 25-80-00-340-044

- (2) To make a new insulation blanket from a semi-finished insulation blanket strip, do these steps:
 - (a) Make sure that you use a semi-finished insulation blanket strip that is pre-assembled and built from equivalent component materials that are comparable in type/class/grade as those which are not pre-assembled.
 - (b) Use the damaged insulation blanket as a template to outline its shape on the semi-finished insulation blanket strip.
 - (c) Cut the semi-finished insulation blanket strip to the same shape as the template outline.
 - (d) Interleave the fiberglass batting and foam as applicable, if it is necessary to extend the blanket.

SUBTASK 25-80-00-340-045

- (3) Do these steps to install external garment tag fastener, G50442, to connect the layers of insulation blanket materials:

NOTE: The garment tag is a commercially available plastic fastener that is stapled through all layers of the insulation blanket and fastened to keep the fiberglass batting inside the insulation blanket in the same position in relation to the blanket covers.

- (a) Use tape, G50789, or Class 2 Grade C equivalent (BMS5-157) with insulation cover, G51600 (BMS8-380, PEEK), and insulation, G51553 (BMS8-396).
- (b) Use tape, G51205, or Class 3 Grade E equivalent (BMS5-157) with insulation cover, G51533 (BMS8-380, ECTFE).
- (c) Cut a 1.00 in. (25.40 mm) diameter circle of tape for use as reinforcement tape.
- (d) Put the reinforcement tape over the area where the external garment tag fastener, G50442, is to be stapled through on both sides of the blanket.
- (e) Use the garment tag installer, COM-11573, to staple the external garment tag fastener, G50442, through all layers of the insulation blanket, which includes the reinforcement tapes.
 - 1) Make sure to use a garment tag fastener, G50442, of the correct length in relation to the nominal thickness of the insulation blanket (Table 803).

Table 803/25-80-00-993-804 Insulation Blanket Garment Tag Sizes

Nominal Thickness of Insulation Blanket	Garment Tag Length
NOTE: This is the total nominal thickness of all layers of raw material used in blankets.	
4.01 in. (101.85 mm) to 7.01 in. (178.05 mm)	3.00 in. (76.20 mm)
2.01 in. (51.05 mm) to 4.00 in. (101.60 mm)	2.00 in. (50.80 mm)
1.26 in. (32.00 mm) to 2.00 in. (50.80 mm)	1.00 in. (25.40 mm)
0.51 in. (12.95 mm) to 1.25 in. (31.75 mm)	0.50 in. (12.70 mm)
0.38 in. (9.65 mm) to 0.50 in. (12.70 mm)	0.25 in. (6.35 mm)

- (f) Cut a 2.00 in. (50.80 mm) diameter circle of tape for use as covering tape.
- (g) Put the covering tape over the external garment tag fastener, G50442, and reinforcement tape, onto the insulation cover on both sides of the blanket.
- (h) Push on the tape to make sure there is a good bond with the blanket cover.

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SUBTASK 25-80-00-340-046

- (4) Do the applicable steps to close the edges and cutouts of the insulation blanket:
- (a) Method 1: Sew the edges.
- 1) Fold the cover fabric over the edge of the blanket or wrap a strip of cover fabric over the edge of the blanket as applicable to bind the edge on the blanket.
 - 2) Stitch the edge with kevlar sewing thread, G50341, at 4 to 6 stitches per each inch.
 - 3) Make sure that the stitches go through the edge binding on both sides of the insulation blanket.
 - 4) Seal the stitching on the blanket with the applicable tape.
 - Use tape, G50789, or Class 2 Grade C equivalent (BMS5-157) with insulation cover, G51600 (BMS8-380, PEEK), and insulation, G51553 (BMS8-396).
 - Use tape, G51205, or Class 3 Grade E equivalent (BMS5-157) with insulation cover, G51533 (BMS8-380, ECTFE).
- (b) Method 2: Tape the edges.
- NOTE: Applicable for BMS8-396 only.
- 1) Use the applicable tape for insulation, G51553 (BMS8-396), that is sufficiently wide to overlap the top and bottom of the blanket by a minimum of 0.75 in. (19.05 mm).
 - Use tape, G50789, or Class 2 Grade C equivalent (BMS5-157) with insulation, G51553 (BMS8-396).
 - 2) Make the edge the same height as the template.
- (c) Method 3: Heat-seal the edges.
- NOTE: Not all types of fabric can be heat sealed. Fabric that can be heat sealed may be heavier than fabric that cannot be heat sealed. Make sure you use the correct type of fabric. Blanket edges can be heat sealed using a thermal or ultrasonic equipment.
- 1) Hold the top and bottom covers together and heat-seal the edges of the blanket.
 - 2) The width of the heat seal must be 0.25 in. (6.35 mm) to 0.5 in. (12.7 mm).

SUBTASK 25-80-00-340-047

- (5) Install hook/loop tape, G50333 (BMS8-372), where applicable.

SUBTASK 25-80-00-340-048

- (6) Install water diverter on the insulation blanket with foam insulation, G51594 (BMS8-300), where applicable.

SUBTASK 25-80-00-340-049

- (7) To make a grommet through a hole in the insulation blanket with insulation, G51553 (BMS8-396), use tape, G50789, or Class 2 Grade C equivalent (BMS5-157), to bond it to the insulation blanket.

SUBTASK 25-80-00-340-050

- (8) Do these steps to install vents in the insulation, G51553 (BMS8-396):
- (a) Use tape, G50789, or Class 2 Grade C equivalent (BMS5-157), with insulation, G51553 (BMS8-396).
- (b) Make sure that you install the vent so that it opens in the same direction as on the template.
- (c) Cut a hole approximately 1 in. (25 mm) in diameter in the cover fabric.

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- (d) Cut a 2 in. (51 mm) circle of tape.
- (e) Remove the release liner from a small part of the circle tape.
- (f) Attach the circle tape over the hole in the blanket.

SUBTASK 25-80-00-340-051

- (9) Do these steps to quilt the blanket, where applicable:
 - (a) Quilt through all layers of the insulation blanket, from cover to cover with kevlar sewing thread, G50341, at 4 to 6 stitches per inch.
 - (b) Make sure that the grid size of the quilting is a minimum 1 in. (25 mm) by 1 in. (25 mm) square or larger.
 - (c) Apply the applicable strips of tape over the quilting.
 - 1) Use tape, G50789, or Class 2 Grade C equivalent (BMS5-157), with insulation, G51553 (BMS8-396).
 - (d) Overlap the strips of tape over both sides of the quilting at 0.75 in. (19.05 mm) intervals.

SUBTASK 25-80-00-340-052

- (10) To add drain holes to the insulation blanket, cut 0.5 in. (12.7 mm) diameter drain holes at the bottom edge of the blanket on the inboard side at 2 in. (51 mm) intervals, where applicable.

SUBTASK 25-80-00-340-053

- (11) Add these part information on the inboard side of the completed insulation blanket cover:
 - (a) Part Number.
 - (b) Supplier Name.
 - (c) Date of Manufacture.

SUBTASK 25-80-00-340-054

 CAUTION	DO NOT COMPRESS THE INSULATION BLANKET BY MORE THAN 50 PERCENT. THIS DECREASES THE THERMAL AND ACOUSTIC PROPERTIES. IF YOU COMPRESS IT TOO MUCH, DAMAGE TO THE INSULATION BLANKET WILL OCCUR.

- (12) Put the insulation blanket in a neat stack on a shelf or in a bag for shipping.

———— **END OF TASK** ————

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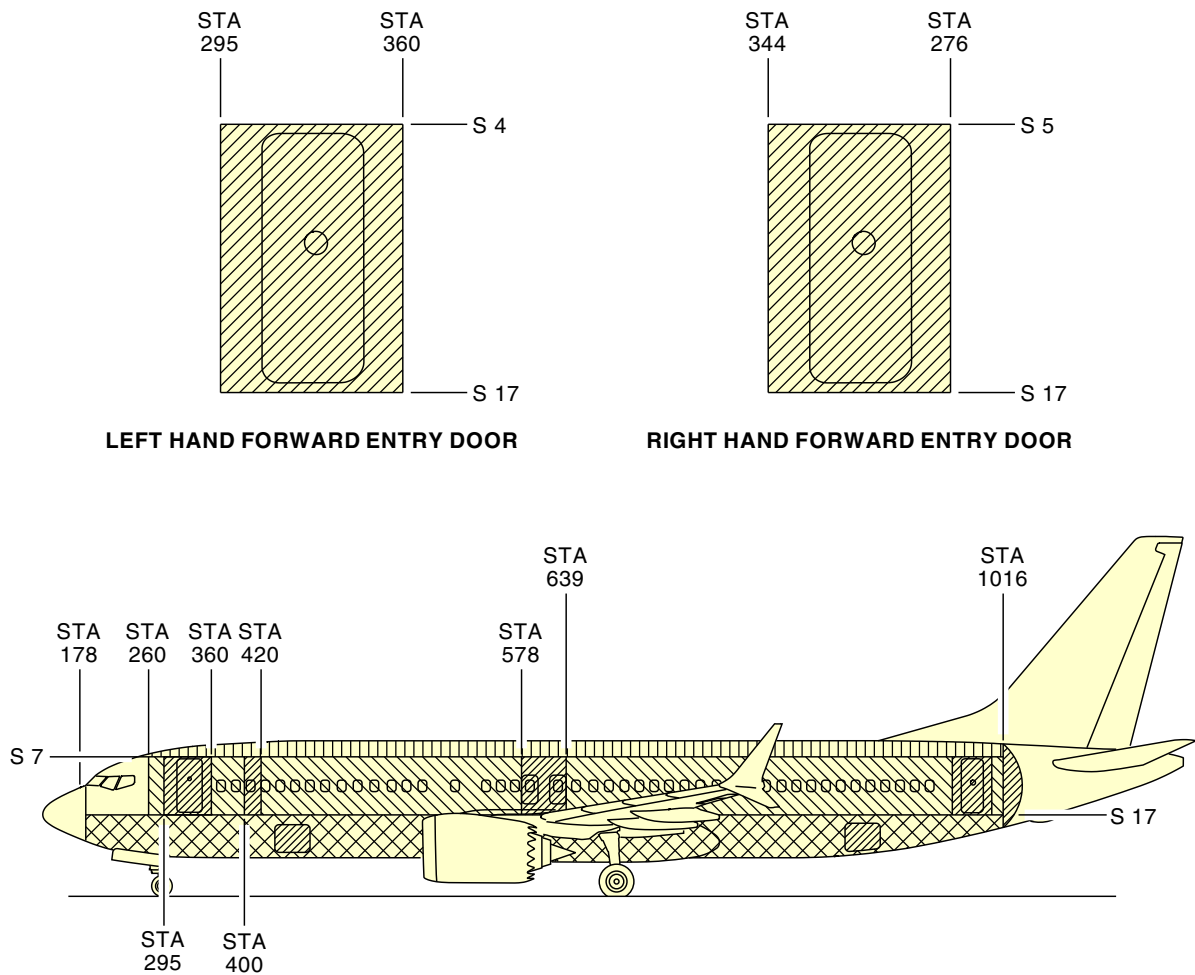
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-  CONTACT ENGINEERING
(POWER FEEDER, AOE, CARGO DOOR, AFT
PRESSURE DOME, PASSENGER ENTRY DOORS AND
DOOR SURROUND)
-  SIDEWALLS 411T5000-503 OR -304
-  CROWN -400 OR -106
-  LOWER LOBE -523 OR -328
-  CAPSTRIP -507 OR -308
(CAPSTRIPS WRAP OVER THE FRAME)
-  AIRDAM -406 OR -122
(AIRDAMS ARE THICK, LONG, RECTANGULAR
STACKUPS UNDER THE WINDOWS IN EACH BAY)

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Universal Blankets
Figure 803/25-80-00-990-808

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PC POWER SYSTEM (FLIGHT COMPARTMENT) - MAINTENANCE PRACTICES

1. General

A. This procedure has these tasks:

- (1) PC Power System (Flight Compartment) Deactivation
- (2) PC Power System (Flight Compartment) Activation.

TASK 25-82-00-040-801

2. PC Power System (Flight Compartment) - Deactivation

(Figure 201)

A. General

- (1) This task has instructions to deactivate the PC Power System (Flight Compartment).

B. PC Power System (Flight Compartment) Deactivation

SUBTASK 25-82-00-040-001

- (1) Deactivate the PC Power System (Flight Compartment).

Open this circuit breaker and install safety tag:

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	3	C01643	FD - PC POWER

SUBTASK 25-82-00-210-001

- (2) Make sure that the LED light on each outlet unit is OFF.

SUBTASK 25-82-00-420-001

- (3) Connect a Personal Electronic Device (PED) to each outlet unit.
 - (a) Make sure that each outlet unit does not have power.

SUBTASK 25-82-00-480-001

- (4) Make sure that the overhead panel P5-13, IFE/PASS SEATS switch is OFF.

———— **END OF TASK** ————

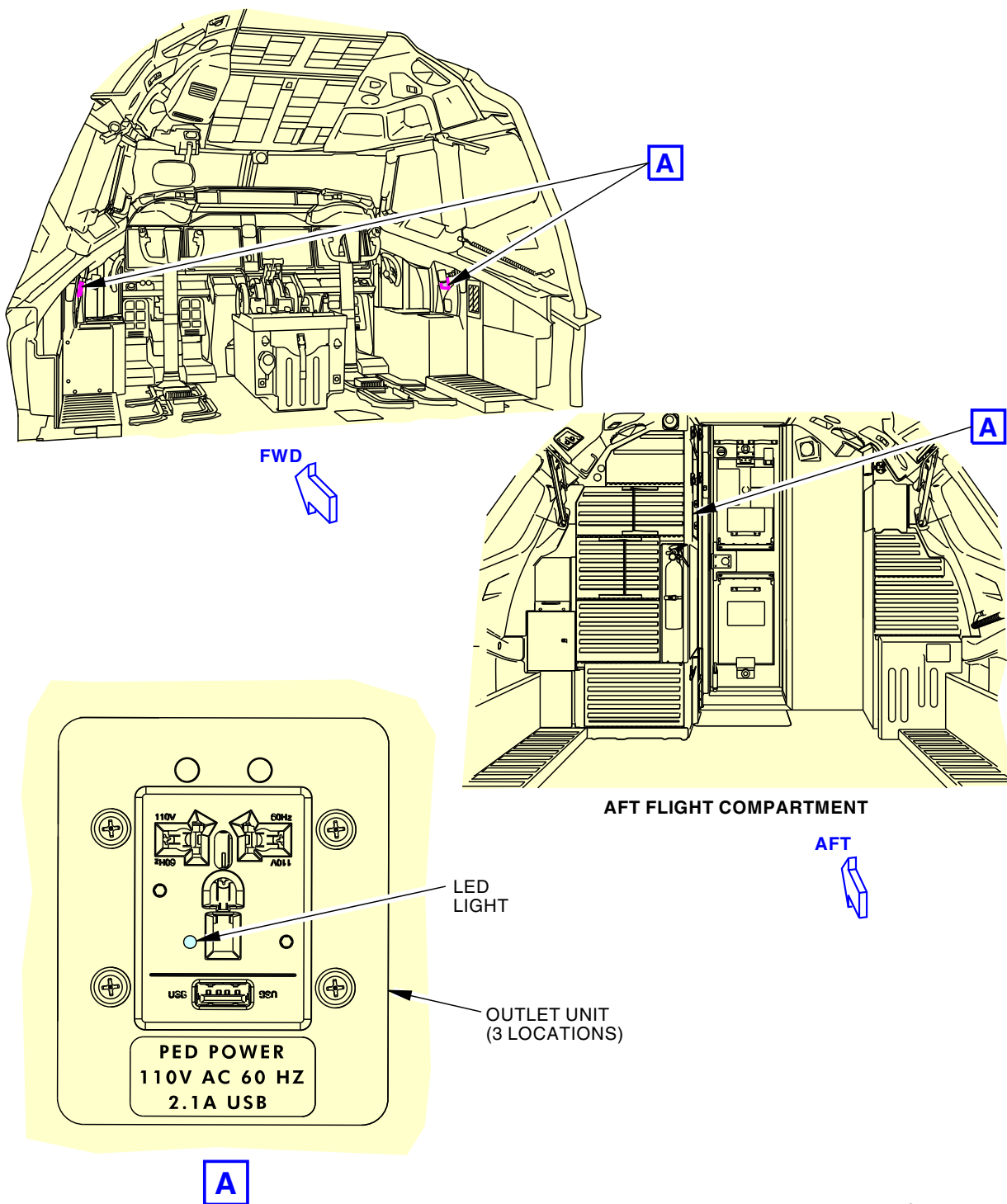
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PC Power (Flight Compartment) Activation
Figure 201/25-82-00-990-801

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TASK 25-82-00-440-801

3. PC Power System (Flight Compartment) - Activation

(Figure 201)

A. General

- (1) This task has instructions to activate the PC Power System (Flight Compartment).

B. PC Power System (Flight Compartment) Activation

SUBTASK 25-82-00-440-001

- (1) Activate the PC Power System (Flight Compartment).
(a) Remove the safety tag and close this circuit breaker:

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	3	C01643	FD - PC POWER

SUBTASK 25-82-00-080-001

- (2) Make sure that the overhead panel P5-13, IFE/PASS SEATS switch is ON.

————— **END OF TASK** —————

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PC POWER SYSTEM (FLIGHT COMPARTMENT) - ADJUSTMENT/TEST

1. General

A. This procedure has this task:

- (1) PC Power System (Flight Compartment) Operational Test.

TASK 25-82-00-710-801

2. PC Power System (Flight Compartment) - Operational Test

A. **General**

- (1) This task has instructions to do an operational test of the PC Power System (Flight Compartment).

B. **Location Zones**

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

C. **PC Power System (Flight Compartment) Operational Test**

SUBTASK 25-82-00-860-001

- (1) Set the overhead panel P5-13, IFE/PASS SEATS switch to ON.

SUBTASK 25-82-00-210-002

- (2) Make sure that the LED light on each outlet unit is off.

SUBTASK 25-82-00-420-002

- (3) Connect a Personal Electronic Device (PED) to each outlet unit.
(a) Make sure that the outlet unit has power.

SUBTASK 25-82-00-860-002

- (4) Open this circuit breaker and install safety tag:

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	3	C01643	FD - PC POWER

SUBTASK 25-82-00-210-003

- (5) Make sure that each outlet unit does not have power.

SUBTASK 25-82-00-860-003

- (6) Remove the safety tag and close this circuit breaker:

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	3	C01643	FD - PC POWER

SUBTASK 25-82-00-210-004

- (7) Make sure that each outlet unit does have power.

SUBTASK 25-82-00-020-001

- (8) Disconnect the PED from each outlet unit.

SUBTASK 25-82-00-860-004

- (9) Set the overhead panel P5-13, IFE/PASS SEATS switch to OFF.

———— **END OF TASK** ————

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IN-SEAT POWER SUPPLY - REMOVAL/INSTALLATION

1. **General**

A. This procedure has these tasks:

- (1) In-Seat Power Supply Removal
- (2) In-Seat Power Supply Installation.

TASK 25-82-01-000-801

2. **In-Seat Power Supply - Removal**

(Figure 401)

A. **General**

- (1) This task has instructions to remove the In-Seat Power Supply (ISPS).

B. **References**

Reference	Title
20-40-12-000-802	ESDS Handling for Metal Encased Unit Removal (P/B 201)
25-82-02-000-801	In-Seat Power Supply Configuration Module - Removal (P/B 401)

C. **Location Zones**

Zone	Area
118	Electrical and Electronics Compartment - Right

D. **Access Panels**

Number	Name/Location
117A	Electronic Equipment Access Door

E. **Prepare for the Removal**

SUBTASK 25-82-01-860-001

- (1) Open this circuit breaker and install safety tag:

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	3	C01643	FD - PC POWER

SUBTASK 25-82-01-010-001

- (2) Open this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

SUBTASK 25-82-01-010-002

- (3) Remove the access panel [15] on the top of the raised platform just aft and right of the aircraft center line as follows:
 - (a) Remove the screws [14] that attach the access panel [15] to the top of the raised platform.
 - 1) Remove the access panel [15].

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SUBTASK 25-82-01-910-001



CAUTION

DO NOT TOUCH THE CONNECTOR PINS, OR OTHER CONDUCTORS. IF YOU TOUCH THESE CONDUCTORS, ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE COMPONENTS.

(4) Do this task: ESDS Handling for Metal Encased Unit Removal, TASK 20-40-12-000-802.

F. In-Seat Power Supply Removal

SUBTASK 25-82-01-020-001

(1) Disconnect the electrical connector [2] and electrical connector [3] from the in-seat power supply [1].

SUBTASK 25-82-01-020-002

(2) Remove the in-seat power supply [1] from the bracket assembly:

- (a) Remove the nut [5], washer [6], and jumper [7] from the in-seat power supply [1].
- (b) Remove the bolt [10], washer [9], clamp [8], and jumper [7] from the bracket assembly.
- (c) Remove the screw [11], washer [12], nut [13], and jumper [7] from the support structure.
- (d) Loosen the fasteners [4] that attach the in-seat power supply [1] to the bracket assembly.
 - 1) Remove the in-seat power supply [1].
 - 2) Remove and retain the Configuration Module (CM) from J20 of the in-seat power supply [1] (TASK 25-82-02-000-801).

————— **END OF TASK** —————

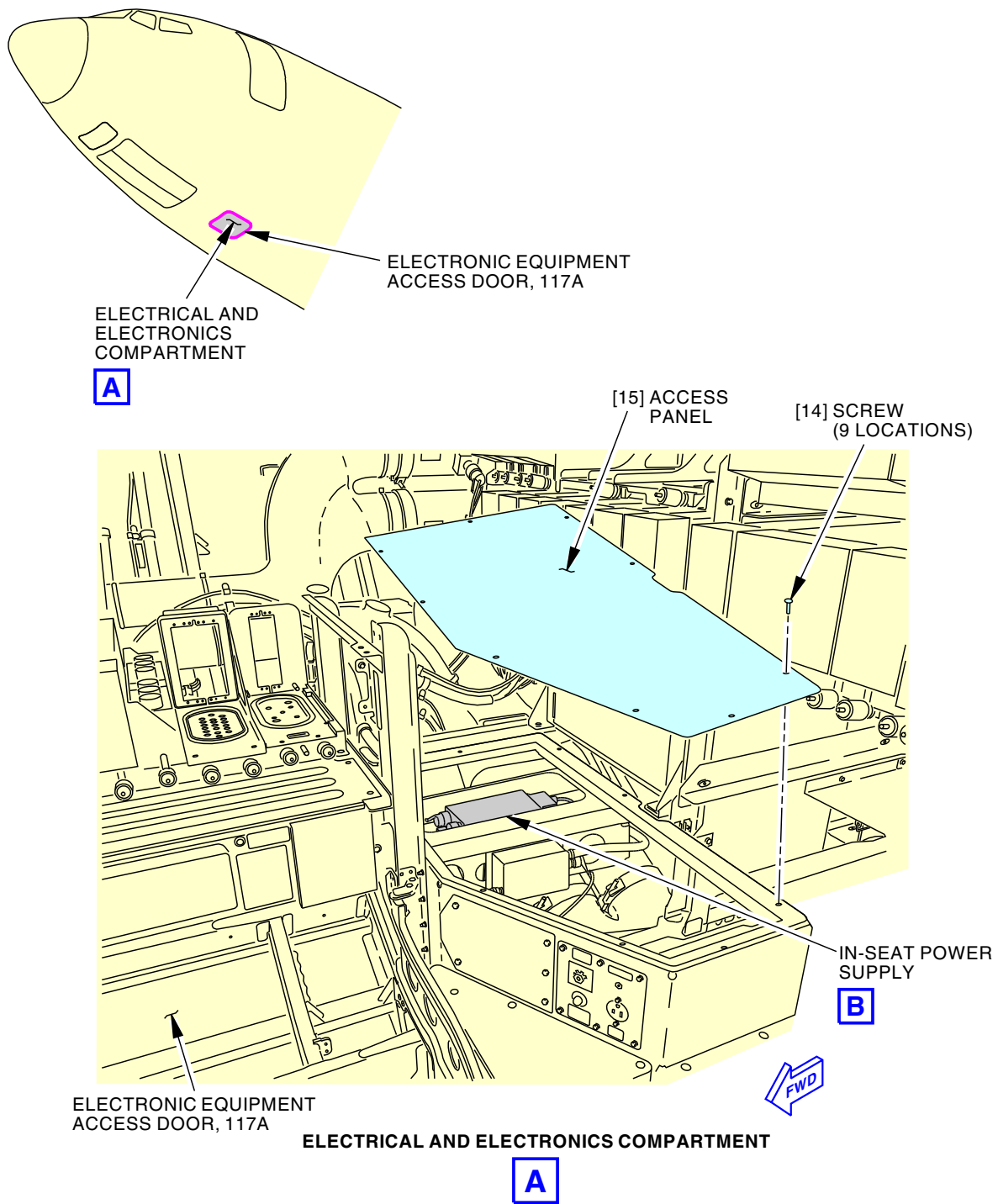
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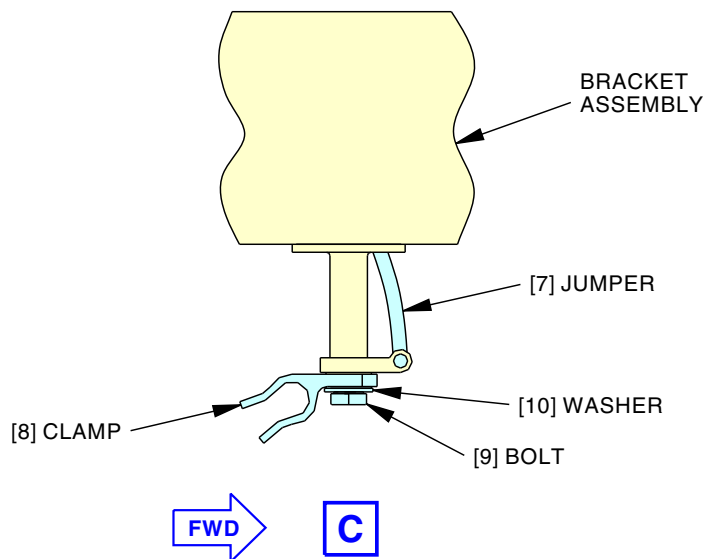
In-Seat Power Supply Installation
Figure 401/25-82-01-990-801 (Sheet 1 of 2)

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In-Seat Power Supply Installation
Figure 401/25-82-01-990-801 (Sheet 2 of 2)

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TASK 25-82-01-400-801

3. **In-Seat Power Supply - Installation**

(Figure 401)

A. General

(1) This task has instructions to install the In-Seat Power Supply (ISPS).

B. References

Reference	Title
20-40-12-400-802	ESDS Handling for Metal Encased Unit Installation (P/B 201)
25-82-00-710-801	PC Power System (Flight Compartment) - Operational Test (P/B 501)
25-82-02-400-801	In-Seat Power Supply Configuration Module - Installation (P/B 401)

C. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
COM-1550	Bonding Meter - Approved, Intrinsically Safe (Approved for use in Class I, Divisions I & II hazardous (classified) locations. Outside these hazardous locations, COM-614 can be used in lieu of COM-1550). Part #: 620LK Supplier: 1CRL2 Part #: M1 Supplier: 3AD17 Part #: M1B Supplier: 3AD17 Part #: T477W (C15292) Supplier: 06659

D. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	In-seat power supply	23-82-01-01-060	SIA ALL

E. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

F. In-Seat Power Supply Installation

SUBTASK 25-82-01-910-002



CAUTION

DO NOT TOUCH THE CONNECTOR PINS, OR OTHER CONDUCTORS. IF YOU TOUCH THESE CONDUCTORS, ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE COMPONENTS.

(1) Do this task: ESDS Handling for Metal Encased Unit Installation, TASK 20-40-12-400-802.

SUBTASK 25-82-01-420-001

- (2) Install the in-seat power supply [1] to the bracket assembly:
- (a) Tighten the fasteners [4] that attach the in-seat power supply [1] to the bracket assembly.
 - (b) Install the screw [11], washer [12], nut [13], and jumper [7] to the support structure.
 - (c) Install the jumper [7], clamp [8], washer [9], and bolt [10] to the bracket assembly.
 - 1) Make sure that the clamp [8] is shown in Figure 401 (Sheet 2).

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- (d) Install the jumper [7], washer [6], and nut [5] to the in-seat power supply [1].

SUBTASK 25-82-01-760-001

- (3) Measure the resistance between the jumper [7] and the bracket assembly with an intrinsically safe approved bonding meter, COM-1550.

- (a) Make sure that the resistance is less than 1.0 milliohms.

SUBTASK 25-82-01-420-002

- (4) Install Configuration Module (CM) on J20 of the in-seat power supply [1]
(TASK 25-82-02-400-801).
- (5) Connect the electrical connector [3] and electrical connector [2] to the in-seat power supply [1].

G. In-Seat Power Supply Installation Test

SUBTASK 25-82-01-860-002

- (1) Remove the safety tag and close this circuit breaker:

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	3	C01643	FD - PC POWER

SUBTASK 25-82-01-710-001

- (2) Do this task: PC Power System (Flight Compartment) - Operational Test,
TASK 25-82-00-710-801.

H. Put the Airplane Back to Its Usual Condition

SUBTASK 25-82-01-410-002

- (1) Install the access panel [15] on the top of the raised platform:
- (a) Install the access panel [15].
- 1) Install the screws [14] to the access panel [15] on the top of the raised platform.

SUBTASK 25-82-01-410-003

- (2) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

————— **END OF TASK** —————

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IN-SEAT POWER SUPPLY CONFIGURATION MODULE - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) In-Seat Power Supply Configuration Module Removal
- (2) In-Seat Power Supply Configuration Module Installation.

TASK 25-82-02-000-801

2. In-Seat Power Supply Configuration Module - Removal

(Figure 401)

A. **General**

- (1) This task has instructions to remove the In-Seat Power Supply (ISPS) Configuration Module.

B. **References**

Reference	Title
20-40-12-000-802	ESDS Handling for Metal Encased Unit Removal (P/B 201)

C. **Location Zones**

Zone	Area
118	Electrical and Electronics Compartment - Right

D. **Access Panels**

Number	Name/Location
117A	Electronic Equipment Access Door

E. **Prepare for the Removal**

SUBTASK 25-82-02-860-001

- (1) Open this circuit breaker and install safety tag:

F/O Electrical System Panel, P6-5

Row	Col	Number	Name
A	3	C01643	FD - PC POWER

SUBTASK 25-82-02-010-001

- (2) Open this access panel:

Number	Name/Location
117A	Electronic Equipment Access Door

SUBTASK 25-82-02-010-002

- (3) Remove the access panel [15] on top of the raised platform just aft and right of the center line as follows:
 - (a) Remove the screws [14] that attach the access panel [15] to the top of the raised platform.
 - 1) Remove the access panel [15].

SUBTASK 25-82-02-910-001

 CAUTION	DO NOT TOUCH THE CONNECTOR PINS, OR OTHER CONDUCTORS. IF YOU TOUCH THESE CONDUCTORS, ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE COMPONENTS.

- (4) Do this task: ESDS Handling for Metal Encased Unit Removal, TASK 20-40-12-000-802.

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F. In-Seat Power Supply Configuration Module Removal

SUBTASK 25-82-02-020-001

(1) Disconnect the electrical connector [2] from the ISPS.

SUBTASK 25-82-02-020-002

(2) Disconnect the ISPS configuration module [1] from the ISPS.

————— END OF TASK —————

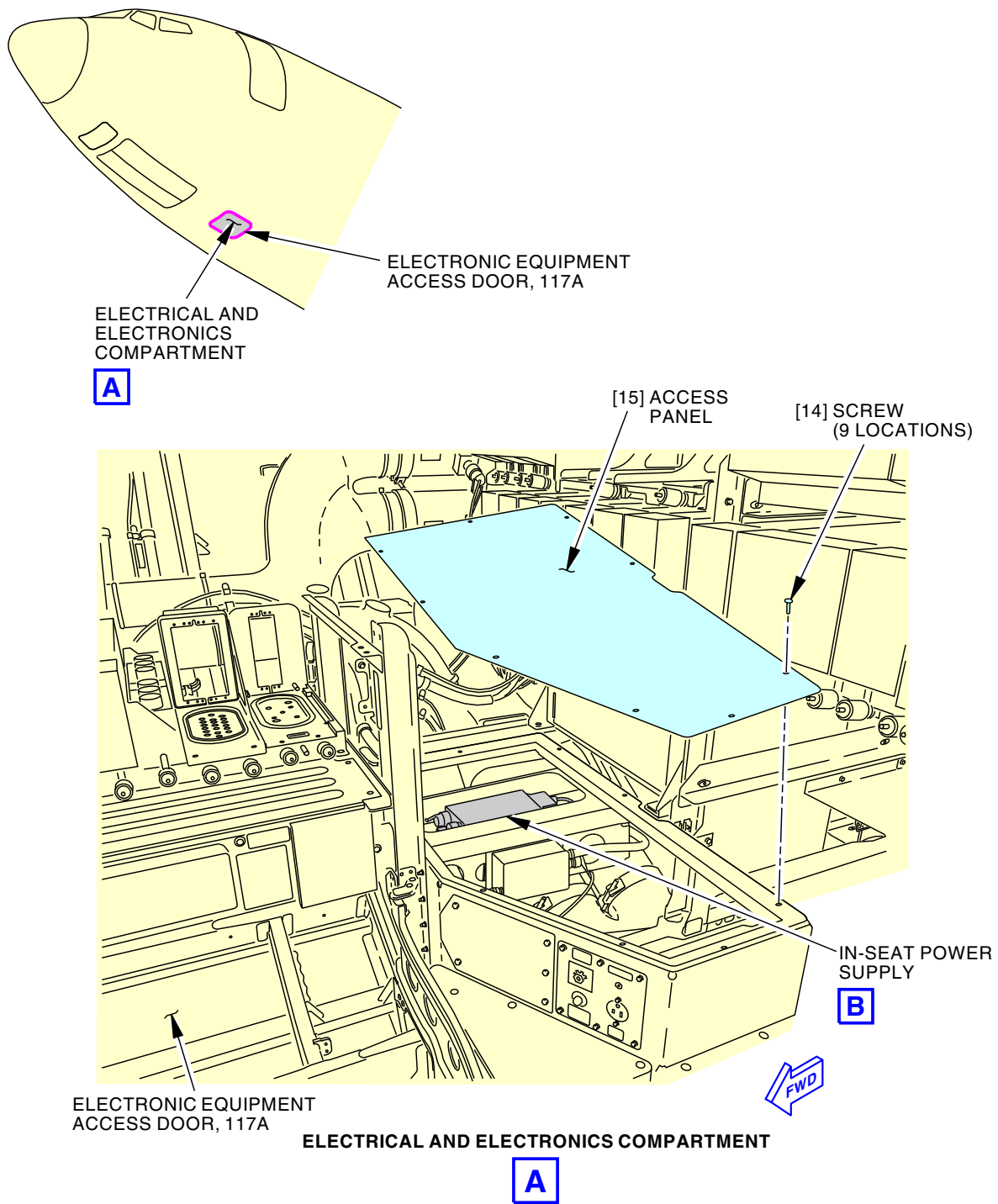
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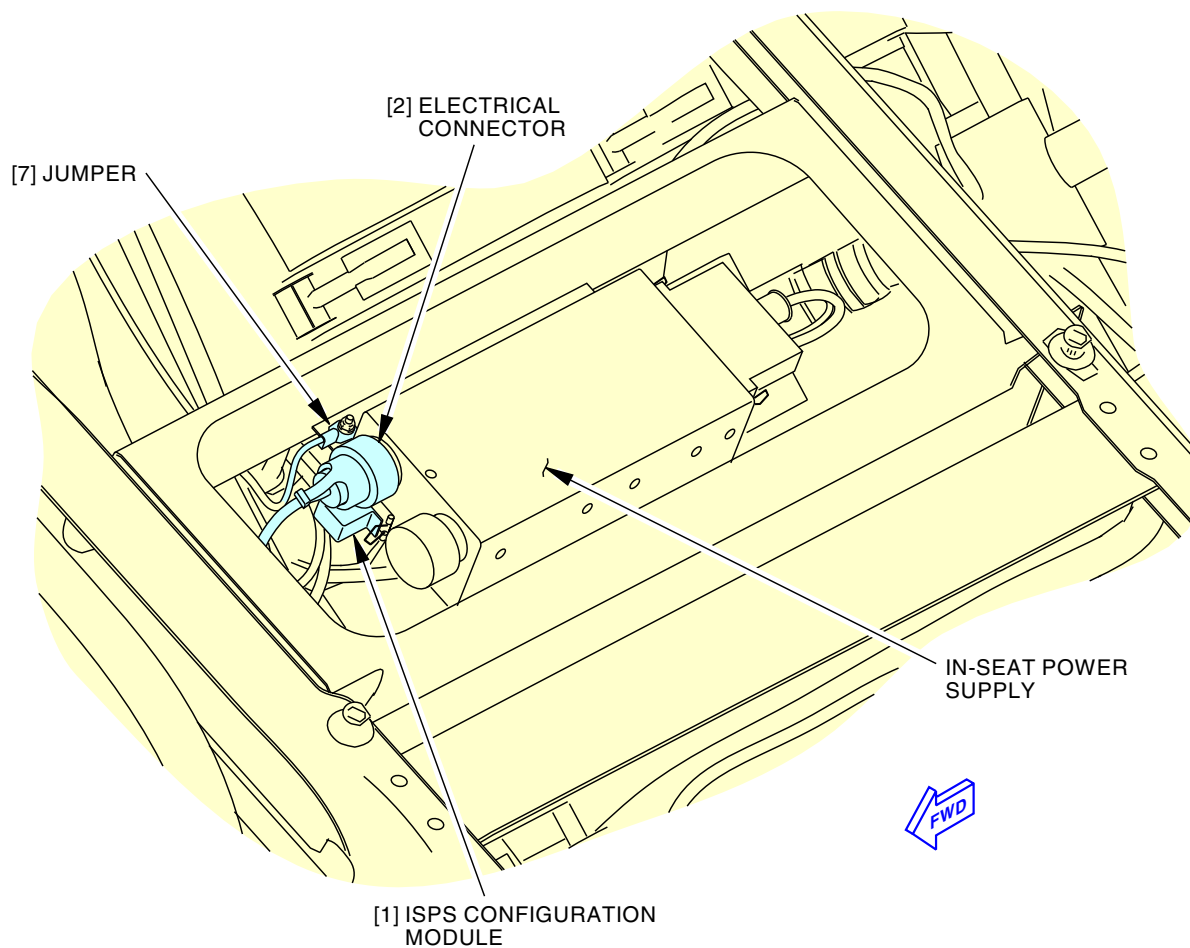
In-Seat Power Supply Configuration Module Installation
Figure 401/25-82-02-990-801 (Sheet 1 of 2)

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In-Seat Power Supply Configuration Module Installation
Figure 401/25-82-02-990-801 (Sheet 2 of 2)

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TASK 25-82-02-400-801

3. **In-Seat Power Supply Configuration Module - Installation**

(Figure 401)

A. General

(1) This task has instructions to install the In-Seat Power Supply (ISPS) Configuration Module.

B. References

Reference	Title
20-40-12-400-802	ESDS Handling for Metal Encased Unit Installation (P/B 201)
25-82-00-710-801	PC Power System (Flight Compartment) - Operational Test (P/B 501)

C. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt.", which stands for Optional.

Reference	Description
COM-1550	Bonding Meter - Approved, Intrinsically Safe (Approved for use in Class I, Divisions I & II hazardous (classified) locations. Outside these hazardous locations, COM-614 can be used in lieu of COM-1550). Part #: 620LK Supplier: 1CRL2 Part #: M1 Supplier: 3AD17 Part #: M1B Supplier: 3AD17 Part #: T477W (C15292) Supplier: 06659

D. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	ISPS configuration module	23-82-02-01-010	SIA ALL

E. Location Zones

Zone	Area
118	Electrical and Electronics Compartment - Right

F. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

G. In-Seat Power Supply Configuration Module Installation

SUBTASK 25-82-02-910-002



DO NOT TOUCH THE CONNECTOR PINS, OR OTHER CONDUCTORS. IF YOU TOUCH THESE CONDUCTORS, ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE COMPONENTS.

(1) Do this task: ESDS Handling for Metal Encased Unit Installation, TASK 20-40-12-400-802.

SUBTASK 25-82-02-420-001

(2) Connect the ISPS configuration module [1] to the ISPS.

SUBTASK 25-82-02-760-001

(3) Measure the resistance between the jumper [7] and the bracket assembly with an intrinsically safe approved bonding meter, COM-1550.

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- (a) Make sure that the resistance is less than 1.0 milliohms.

SUBTASK 25-82-02-420-002

- (4) Connect the electrical connector [2] to the ISPS.

H. ISPS Configuration Module Installation Test

SUBTASK 25-82-02-860-002

- (1) Remove the safety tag and close this circuit breaker:

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	3	C01643	FD - PC POWER

SUBTASK 25-82-02-710-001

- (2) Do this task: PC Power System (Flight Compartment) - Operational Test, TASK 25-82-00-710-801.

I. Put the Airplane Back to Its Usual Condition

SUBTASK 25-82-02-410-001

- (1) Install the access panel [15] on the top of the raised platform as follows:

- (a) Install the access panel [15].

- 1) Install the screws [14] to the access panel [15] on the top of the raised platform.

SUBTASK 25-82-02-410-002

- (2) Close this access panel:

<u>Number</u>	<u>Name/Location</u>
117A	Electronic Equipment Access Door

————— **END OF TASK** —————

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OUTLET UNIT - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Outlet Unit Removal
- (2) Outlet Unit Installation.

TASK 25-82-03-000-801

2. Outlet Unit - Removal

(Figure 401 and Figure 402)

A. General

- (1) This task has instructions to remove the outlet unit.

B. References

<u>Reference</u>	<u>Title</u>
20-40-12-000-802	ESDS Handling for Metal Encased Unit Removal (P/B 201)

C. Location Zones

<u>Zone</u>	<u>Area</u>
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Prepare for the Removal

SUBTASK 25-82-03-860-001

- (1) Open this circuit breaker and install safety tag:

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	3	C01643	FD - PC POWER

SUBTASK 25-82-03-910-001



CAUTION

DO NOT TOUCH THE CONNECTOR PINS, OR OTHER CONDUCTORS. IF YOU TOUCH THESE CONDUCTORS, ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE COMPONENTS.

- (2) Do this task: ESDS Handling for Metal Encased Unit Removal, TASK 20-40-12-000-802.

E. Outlet Unit Removal

SUBTASK 25-82-03-020-001

- (1) Remove the outlet unit [1] from the Captain or First Officer sidewall panel:
 - (a) Remove the screws [2] from the outlet unit [1].
 - (b) Loosen the hex screws [5] on the outlet unit [1].
 - (c) Carefully remove the outlet unit [1] from the Captain or First Officer sidewall panel.
 - (d) Disconnect the electrical connector [3] and electrical connector [4] from the Captain or First Officer sidewall panel.

SUBTASK 25-82-03-020-002

- (2) Remove the outlet unit [1] from the P61 Panel:
 - (a) Loosen the hex screws [5] on the outlet unit [1].

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- (b) Carefully remove the outlet unit [1] from the P61 panel.
- (c) Disconnect the electrical connector [3] and electrical connector [4] from the P61 panel.

———— **END OF TASK** ————

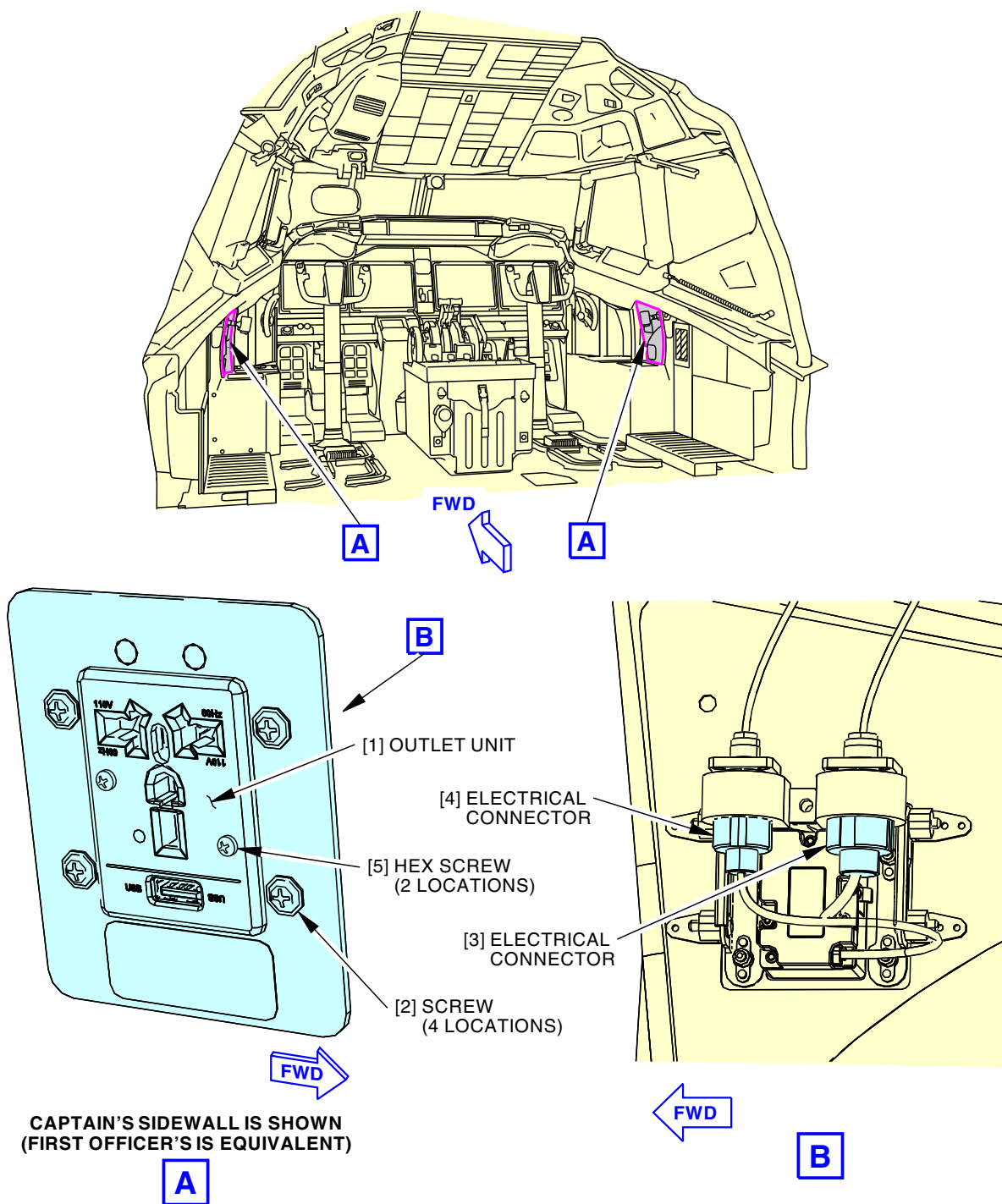
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Captain and First Officer Outlet Unit Installation
Figure 401/25-82-03-990-801

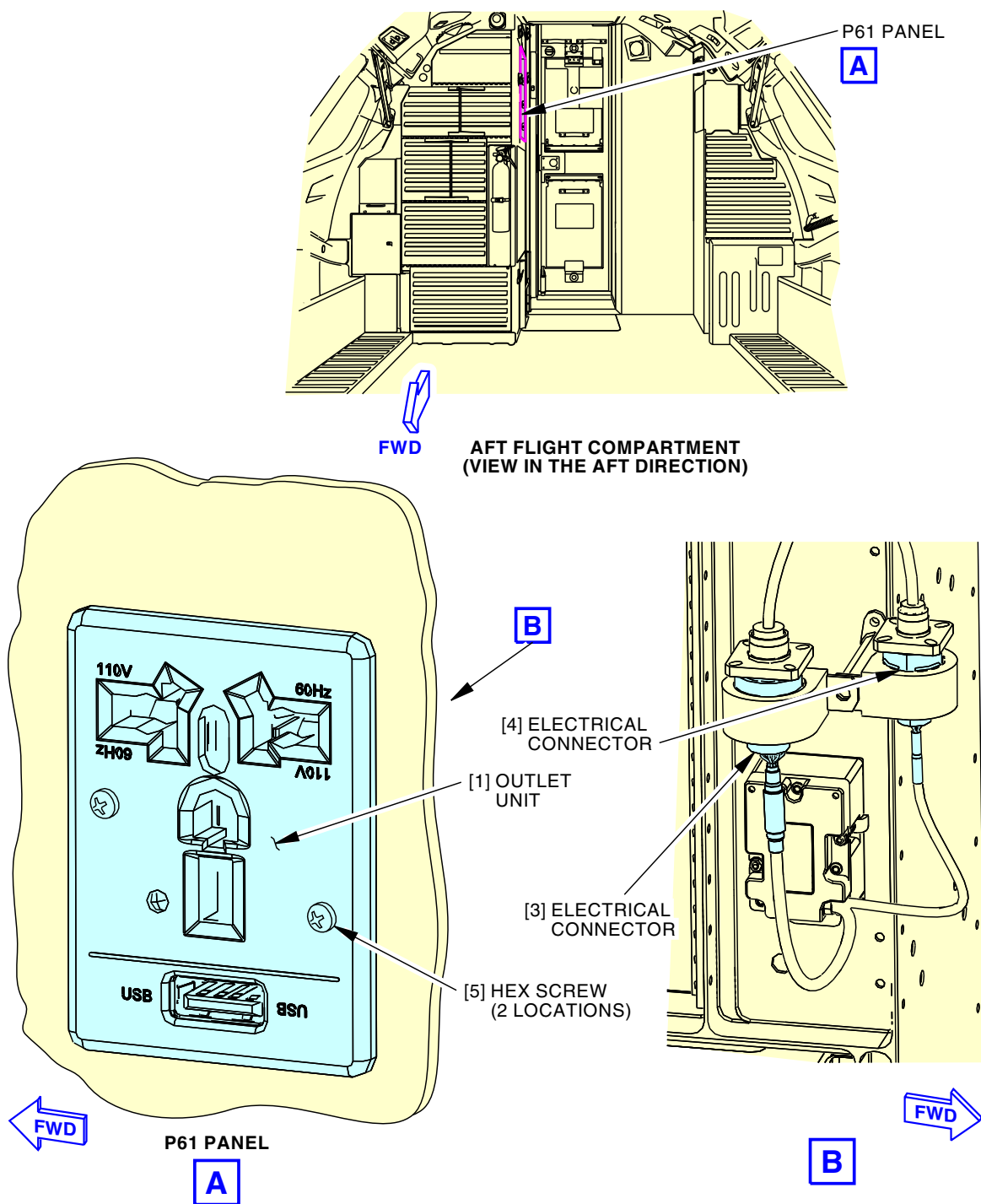
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P61 Panel Outlet Unit Installation
Figure 402/25-82-03-990-802

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TASK 25-82-03-400-801

3. Outlet Unit - Installation

(Figure 401 and Figure 402)

A. General

- (1) This task has instructions to install the outlet unit.

B. References

Reference	Title
20-40-12-400-802	ESDS Handling for Metal Encased Unit Installation (P/B 201)
25-82-00-710-801	PC Power System (Flight Compartment) - Operational Test (P/B 501)

C. Tools/Equipment

Reference	Description
STD-15110	Key - Hex, 3/32 inch

D. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Outlet unit	23-82-03-01-070	SIA ALL

E. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

F. Outlet Unit Installation

SUBTASK 25-82-03-910-002



DO NOT TOUCH THE CONNECTOR PINS, OR OTHER CONDUCTORS. IF YOU TOUCH THESE CONDUCTORS, ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE COMPONENTS.

- (1) Do this task: ESDS Handling for Metal Encased Unit Installation, TASK 20-40-12-400-802.

SUBTASK 25-82-03-420-001

- (2) Install the outlet unit [1] to the P61 Panel:
- (a) Connect the electrical connector [3] and electrical connector [4] to the P61 panel.
 - (b) Carefully push the outlet unit [1] into the P61 Panel.
 - (c) Tighten the hex screws [5] on the outlet unit [1] with a 3/32 inch hex key, STD-15110.
 - 1) Tighten the hex screws [5] to 4 in-lb (0 N·m) - 6 in-lb (1 N·m).

SUBTASK 25-82-03-420-002

- (3) Install the outlet unit [1] to the Captain or First Officer sidewall panel:
- (a) Connect the electrical connector [3] and electrical connector [4] to the Captain or First Officer sidewall panel.
 - (b) Carefully push the outlet unit [1] into the Captain or First Officer sidewall panel.
 - (c) Install the screws [2] to the outlet unit [1].
 - (d) Tighten the hex screws [5] on the outlet unit [1] with a 3/32 inch hex key, STD-15110.
 - 1) Tighten the hex screws [5] to 4 in-lb (0 N·m) - 6 in-lb (1 N·m).

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G. Outlet Unit Installation Test

SUBTASK 25-82-03-860-002

- (1) Remove the safety tag and close this circuit breaker:

F/O Electrical System Panel, P6-5

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	3	C01643	FD - PC POWER

SUBTASK 25-82-03-710-001

- (2) Do this task: PC Power System (Flight Compartment) - Operational Test, TASK 25-82-00-710-801.

————— **END OF TASK** —————

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