

CHAPTER

50

**CARGO AND
ACCESSORY
COMPARTMENTS**



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CARGO AND ACCESSORY COMPARTMENTS - 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. This is the task for the cargo and accessory compartment components:
 - (1) DDG 50-21-02 Cargo Compartment Restraint Components - Cargo Compartment Used Inoperative - Preparation

TASK 50-00-00-040-801

2. DDG 50-21-02 Cargo Compartment Restraint Components - Cargo Compartment Used Inoperative - Preparation

A. General

- (1) This task gives the maintenance steps which prepare the airplane for flight with the Cargo Compartment Restraint Components inoperative while the Cargo Compartment is being used.

B. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
123	Forward Cargo Compartment - Left
124	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Cargo Compartment Restraint Component Deactivation

SUBTASK 50-00-00-840-001

- (1) Deactivation procedures for most cargo restraint or cargo guiding equipment are either obvious (e.g. inoperative container stop needs to be released to retracted position or removed to prevent interference with cargo loading) or unnecessary (e.g. a damaged end stop can be left as is). With the exception of the restrictions below, no other procedures are provided in this document.

SUBTASK 50-00-00-840-002

- (2) Refer to the Weight and Balance Manual for cargo loading limits when operating with restraint components missing or inoperative. If the number of inoperative or missing restraint components exceeds the allowance in the Weight and Balance Manual, inform Dispatch that the affected cargo compartment cannot be used.

————— **END OF TASK** —————

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CARGO COMPARTMENT - INSPECTION/CHECK

1. General

A. This procedure has these tasks for the forward and aft cargo compartments:

- (1) Cargo Compartment Liner Inspection
- (2) Cargo Compartment Blowout Panel Inspection
- (3) Cargo Restraint Inspection for the restraints at the cargo doors
- (4) Cargo Compartment Tiedown Fitting Inspection.

TASK 50-10-00-200-801

2. Forward Cargo Compartment Liner Inspection

NOTE: This procedure is a scheduled maintenance task.

A. General

- (1) This task inspects all the liners in the forward cargo compartment.
- (2) It is important that all of the fasteners, seams, and punctures are sealed correctly to keep the amount of oxygen in the compartment to a minimum.

B. References

Reference	Title
21-32-05-000-801	Ceiling Blowout Panel Removal (P/B 401)
21-32-05-000-802	Cargo Compartment Bulkhead Blowout Panel Removal (P/B 401)
21-32-05-400-801	Ceiling Blowout Panel Installation (P/B 401)
21-32-05-400-802	Cargo Compartment Bulkhead Blowout Panel Installation (P/B 401)
25-00-00-300-801	Crushed-Core and Sandwich Panel Repair (P/B 801)
50-10-01 P/B 801	CARGO COMPARTMENT LINING AND FLOOR PANEL - REPAIRS
50-10-01-300-801	Loose or Damaged Tape Repair (P/B 801)
50-10-01-300-803	Permanent Repair for Molded Liners, Shrouds, and Liners with Complex Curves (P/B 801)
50-10-01-300-804	Permanent Repair for the Contour of the Ceiling Shroud (P/B 801)
50-10-01-340-801	Permanent Repair for Flat or Slightly Curved Liners (P/B 801)
50-10-02-000-801	Cargo Compartment Sidewall Liners Removal (P/B 401)
50-10-02-400-801	Cargo Compartment Sidewall Liners Installation (P/B 401)
50-10-03-000-801	Cargo Compartment Ceiling Liner Removal (P/B 401)
50-10-03-400-801	Cargo Compartment Ceiling Liner Installation (P/B 401)
50-11-01-000-801	Forward Cargo Compartment Forward Bulkhead Liner Removal (P/B 401)
50-11-01-400-801	Forward Cargo Compartment Forward Bulkhead Liner Installation (P/B 401)
50-11-02-000-801	Forward Cargo Compartment Aft Bulkhead Liner Removal (P/B 401)
50-11-02-400-801	Forward Cargo Compartment Aft Bulkhead Liner Installation (P/B 401)

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C. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right

D. Forward Cargo Compartment Liner Inspection

SUBTASK 50-10-00-210-001

- (1) Make sure that there is no loose or damaged tape at the joints for the ceiling liner, sidewall liner or bulkhead liner.
 - (a) If there is loose or damaged tape, replace the tape (TASK 50-10-01-300-801).

SUBTASK 50-10-00-211-001

- (2) Make sure that the ceiling liners, sidewall liners, bulkhead liners and panels, blowout panels and floor panels do not have cuts, tears, cracks, or holes.
 - (a) If there are cuts, tears, cracks or holes found on the blowout panel, replace the blowout panel (TASK 21-32-05-000-801 and TASK 21-32-05-400-801 or TASK 21-32-05-000-802 and TASK 21-32-05-400-802).

SUBTASK 50-10-00-211-003

- (3) If damage is found, examine the non-honeycomb liners for damage as follows:

NOTE: These damage limits apply to all the non-honeycomb liners. These are the ceiling panels and shrouds, the sidewall liners. These damage limits do not apply to cracks along the contour of the ceiling shroud in the forward cargo compartment.

 - (a) Cuts that are longer than 36 in. (91 cm) are not repairable.
 - (b) L-shaped tears that are longer than 9 in. (23 cm) on either side are not repairable.
 - (c) Holes that are over 1.5 in. (3.8 cm) in diameter are not repairable.

SUBTASK 50-10-00-200-002

- (4) If the damage is less than or equal to the limits, do the applicable task to repair the liner (CARGO COMPARTMENT LINING AND FLOOR PANEL - REPAIRS, PAGEBLOCK 50-10-01/801).

SUBTASK 50-10-00-200-003

- (5) If the damage to the liner is not repairable, replace the liner as follows:
 - (a) If the damage is on the cargo compartment ceiling liners, replace the liner (TASK 50-10-03-000-801 and TASK 50-10-03-400-801).
 - (b) If the damage is on the cargo compartment sidewall liners, replace the liner (TASK 50-10-02-000-801 and TASK 50-10-02-400-801).
 - (c) If the damage is on the cargo compartment forward bulkhead liner, replace the liner (TASK 50-11-01-000-801 and TASK 50-11-01-400-801).
 - (d) If the damage is on the cargo compartment aft bulkhead liner, replace the liner (TASK 50-11-02-000-801 and TASK 50-11-02-400-801).

SUBTASK 50-10-00-211-002

- (6) If damage is found, examine the contour of the ceiling shroud in the cargo compartment for damage as follows:

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- (a) Make sure that cracks are at least 2 in. (5 cm) away from other damage and from the panel edge on all sides.

NOTE: These damage limit only apply to cracks or cuts along the bend of the shroud. For damage to the flat parts of the shroud, use the damage limits and repair instructions for non-honeycomb linings.

- (b) Do these tasks to repair the ceiling shroud (Permanent Repair for Molded Liners, Shrouds, and Liners with Complex Curves, TASK 50-10-01-300-803 and Permanent Repair for the Contour of the Ceiling Shroud, TASK 50-10-01-300-804).

SUBTASK 50-10-00-960-001

- (7) If the damage is greater than the limits, replace the liner (TASK 50-10-03-000-801 and TASK 50-10-03-400-801).

SUBTASK 50-10-00-200-004

- (8) If damage is found, examine the nomex honeycomb panels for damage as follows:
- (a) For panels with core damage, there must be at least 0.5 in. (1.3 cm) of undamaged core around the damaged area.

SUBTASK 50-10-00-300-003

- (9) If the damage is less than or equal to the limit, do the following steps:

NOTE: Dents on the cargo compartment bulkhead panel assembly that shows no damage to the integrity of the facesheet (e.g. holes, cracks, damaged fiber) are structurally acceptable and repair is not necessary.

- (a) Do this task Crushed-Core and Sandwich Panel Repair, TASK 25-00-00-300-801.
- (b) Apply a flame-resistant patch (Permanent Repair for Flat or Slightly Curved Liners, TASK 50-10-01-340-801).

NOTE: Multiple damage sites may be covered with longer strips in lieu of multiple shorter strips.

NOTE: Patch may be applied over fastener locations by removing the fastener and reinstalling through the patch.

NOTE: Splices in the patch system require a minimum of one (1) inch overlap.

SUBTASK 50-10-00-960-002

- (10) If the damage is greater than the limit, replace the liner (TASK 50-10-03-000-801 and TASK 50-10-03-400-801).

END OF TASK

TASK 50-10-00-200-802

3. Cargo Compartment Blowout Panel Inspection

A. General

- (1) This task is for the inspection of the cargo compartment blowout panels.

B. References

Reference	Title
21-32-05-000-801	Ceiling Blowout Panel Removal (P/B 401)
21-32-05-000-802	Cargo Compartment Bulkhead Blowout Panel Removal (P/B 401)
21-32-05-400-801	Ceiling Blowout Panel Installation (P/B 401)

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Reference	Title
21-32-05-400-802	Cargo Compartment Bulkhead Blowout Panel Installation (P/B 401)

C. Location Zones

Zone	Area
100	Lower Half of Fuselage

D. Blowout Panel Inspection

SUBTASK 50-10-00-210-002

- (1) Make sure that the blowout panel is fully engaged between the retaining ring and the rectangular seal.
 - (a) Do these steps to put the blowout panel in the correct position if it is not fully engaged:
 - 1) Remove the screws and washers that attach the grill to the frame.
 - 2) Remove the grill.
 - 3) Loosen the applicable bolts that attach the retaining ring to the frame in the area where the blowout panel came out.
 - 4) Make sure that the blowout panel is not torn, punctured, or creased.
 - a) If it is necessary, replace the blowout panel.
 - 5) Put the blowout panel in the position between the retaining ring and the rectangular seal.
 - 6) Tighten the bolts that attach the retaining ring to the frame.
 - 7) Install the screws and washers to attach the grill to the frame.

SUBTASK 50-10-00-210-003

- (2) Make sure that the grill is firmly attached and is aft of the blowout panel.

SUBTASK 50-10-00-960-003

- (3) If it is necessary, replace the blowout panel (TASK 21-32-05-000-801 and TASK 21-32-05-400-801 or TASK 21-32-05-000-802 and TASK 21-32-05-400-802).

————— **END OF TASK** —————

TASK 50-10-00-210-801

4. Cargo Restraint (Doorway) Visual Inspection

(Figure 602)

NOTE: This procedure is a scheduled maintenance task.

A. General

- (1) This task is for the visual inspection of the doorway cargo restraint nets.

B. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

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C. Cargo Restraint (Doorway) Visual Inspection

SUBTASK 50-10-00-210-004

- (1) Visually examine the cargo restraint nets at the cargo door as follows:
 - (a) Make sure that the straps are not worn or frayed.
 - (b) Make sure that each strap attaches to an anchor point.

————— END OF TASK —————

TASK 50-10-00-200-803

5. Cargo Compartment Tiedown Fitting Inspection

Figure 602

A. General

- (1) This task is for the inspection of the cargo compartment tiedown fitting

B. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Cargo Compartment Tiedown Fitting Inspection

SUBTASK 50-10-00-210-005

- (1) Do a visual check of the tiedown fittings in the forward and aft cargo compartments as follows:
 - (a) Make sure that the tiedown fittings in the forward and aft cargo compartments are installed correctly.
 - (b) Make sure that the tiedown fittings are not worn.
 - (c) Make sure that the tiedown fittings can hold the nets or straps and the cargo in its position.

————— END OF TASK —————

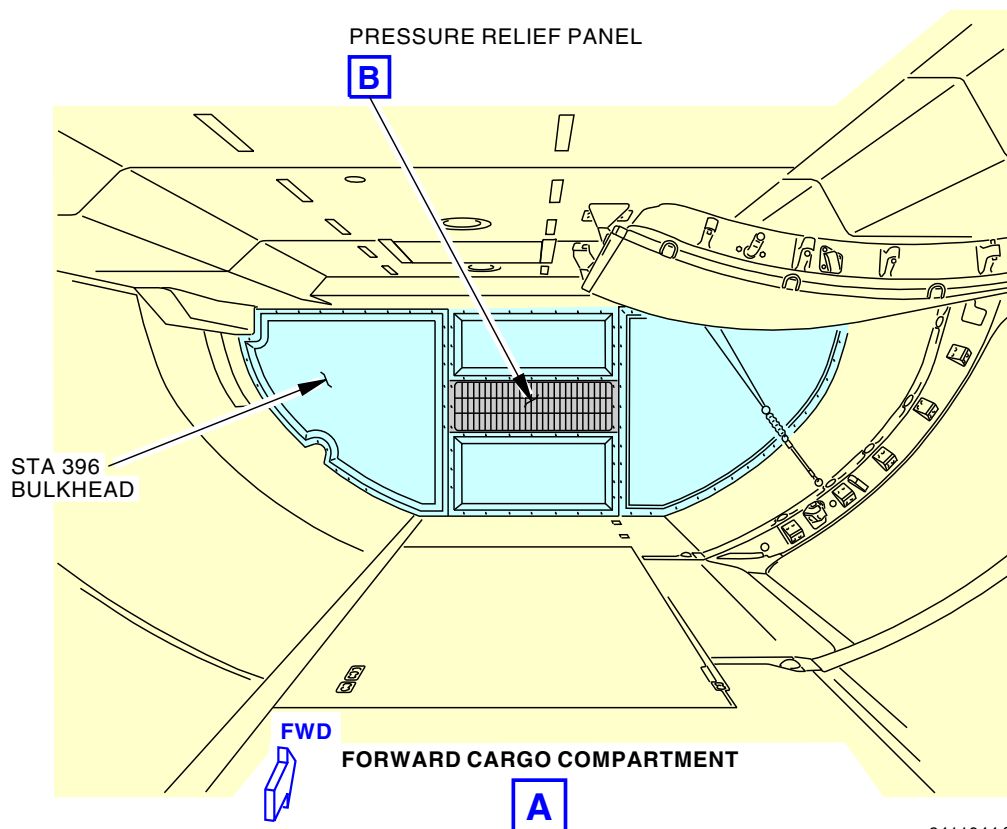
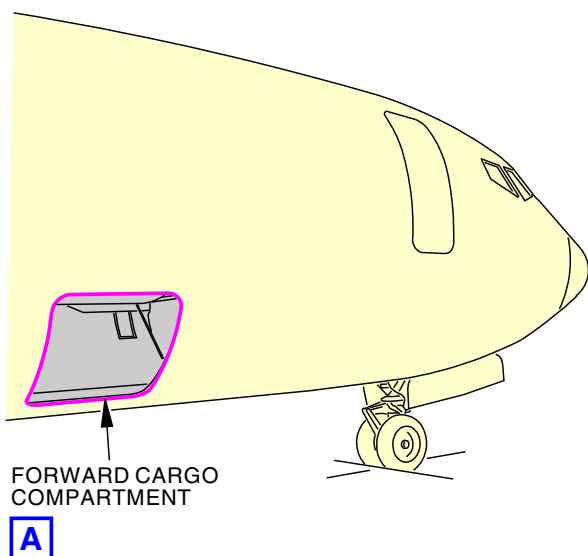
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2411944 S00061529561_V3

Forward Cargo Compartment Sta 396 Bulkhead Inspection
Figure 601/50-10-00-990-801 (Sheet 1 of 2)

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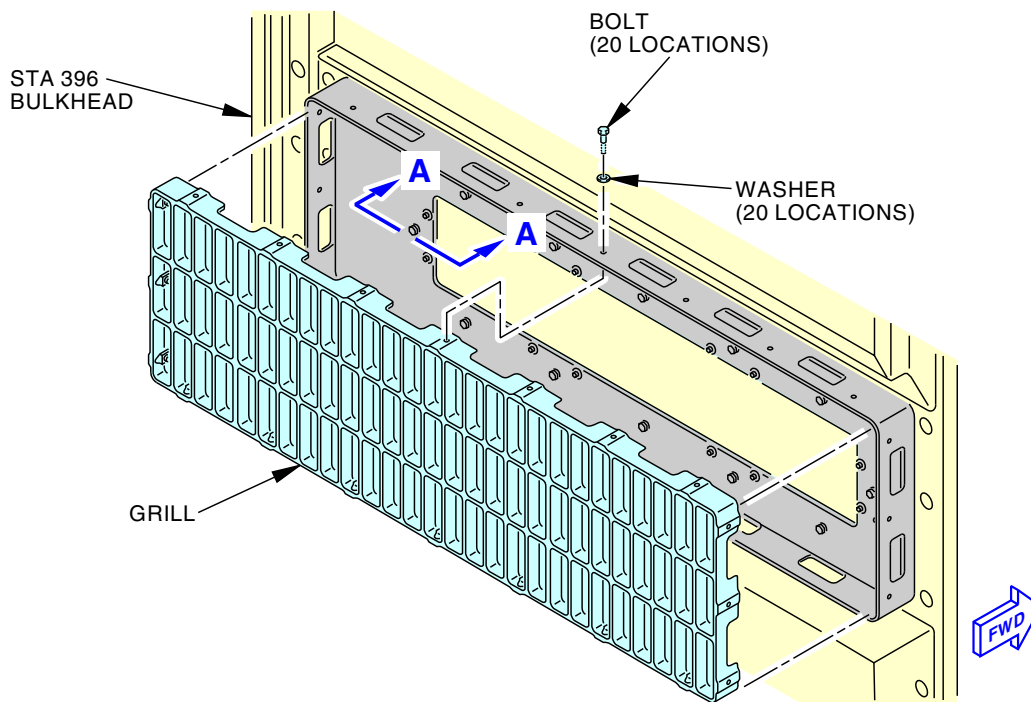
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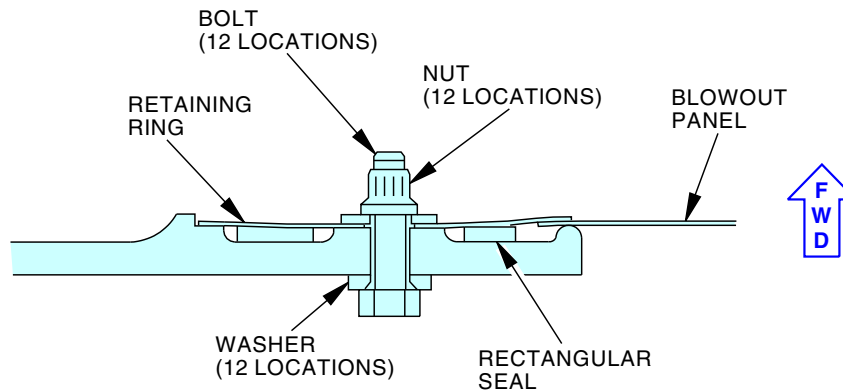
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PRESSURE RELIEF PANEL

B



A-A

2411945 S00061529562_V2

**Forward Cargo Compartment Sta 396 Bulkhead Inspection
Figure 601/50-10-00-990-801 (Sheet 2 of 2)**

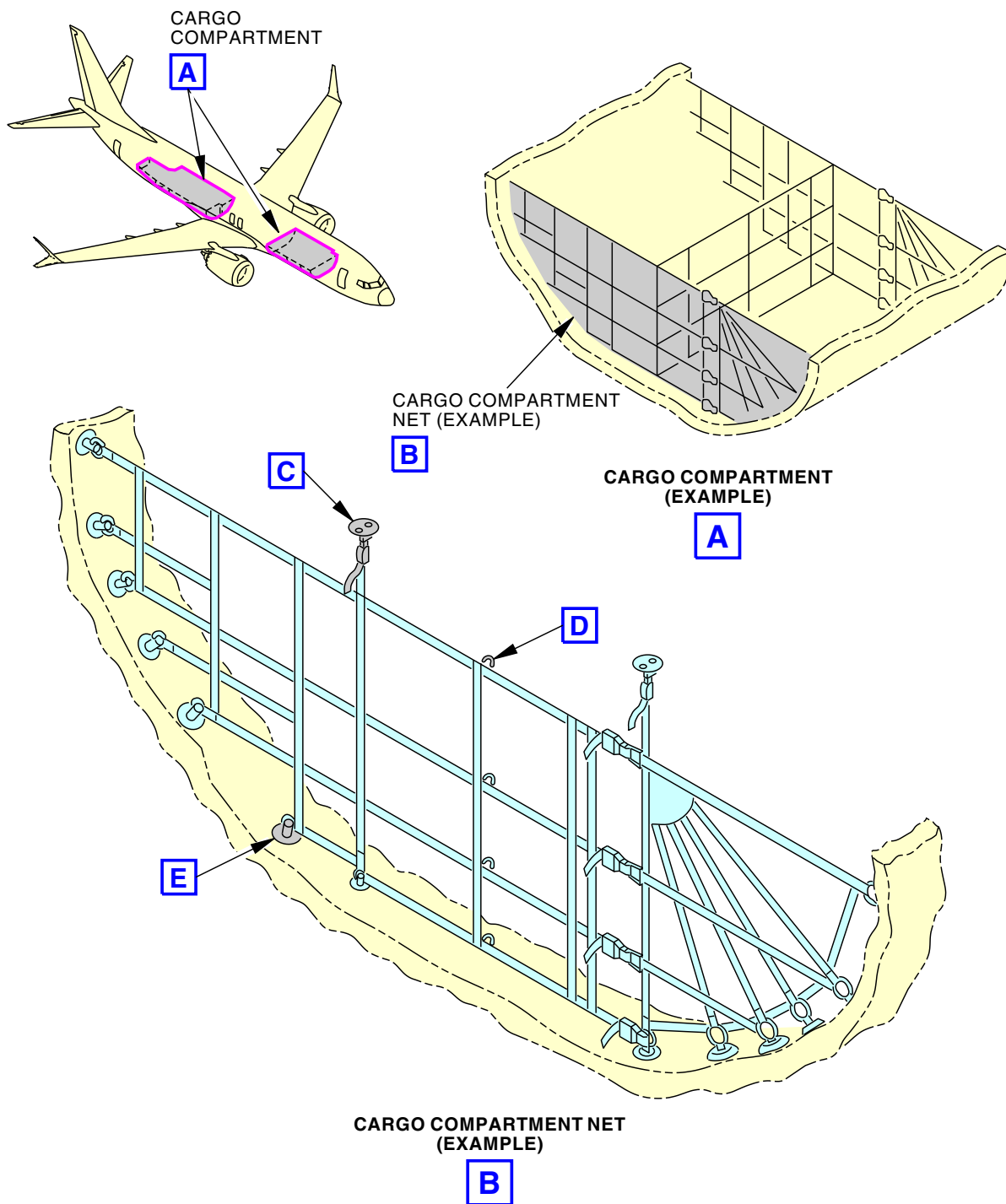
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Tiedown Fitting Inspection
Figure 602/50-10-00-990-802 (Sheet 1 of 2)

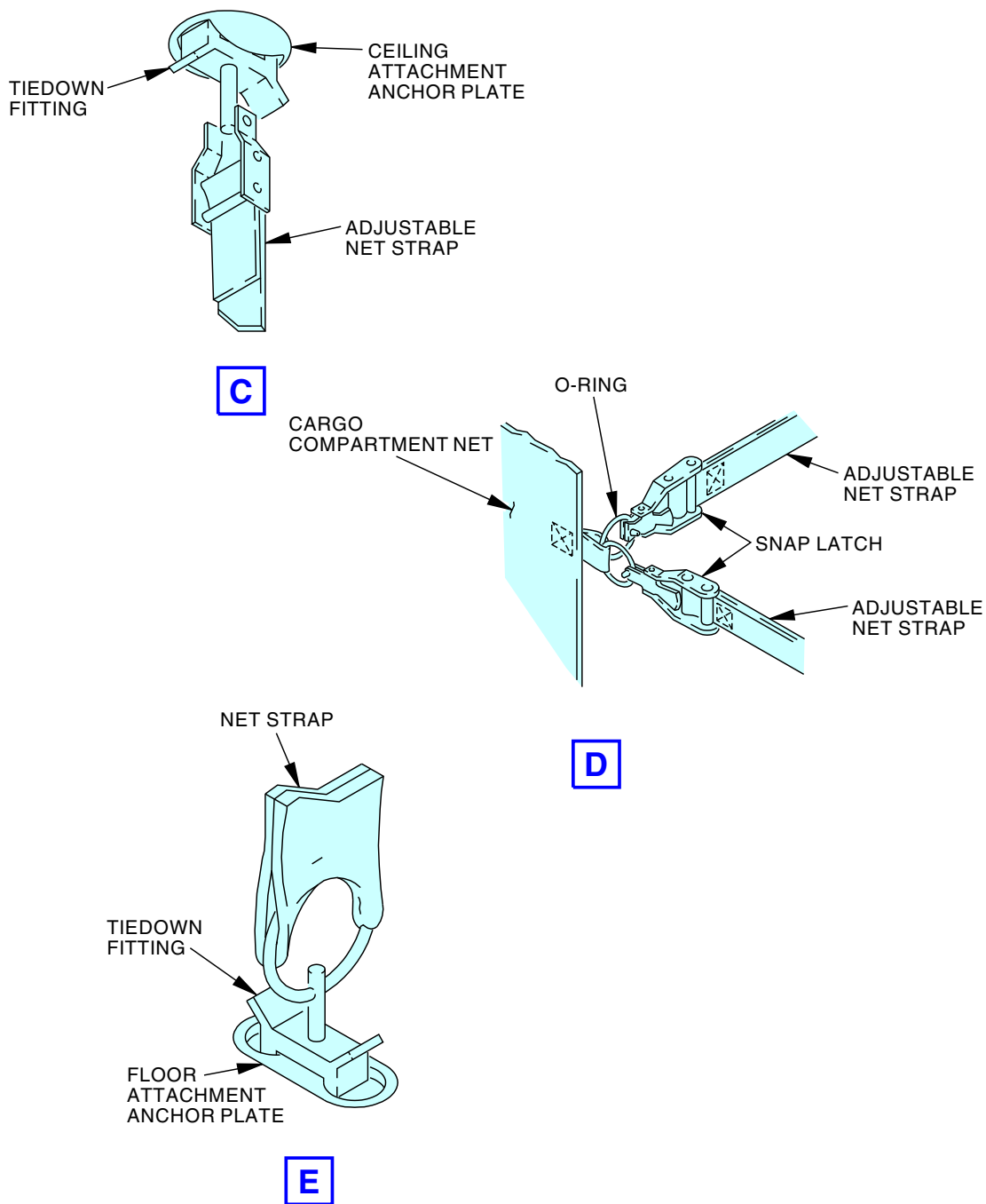
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2411947 S00061529564_V3

Tiedown Fitting Inspection
Figure 602/50-10-00-990-802 (Sheet 2 of 2)

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TASK 50-10-00-200-804

6. Aft Cargo Compartment Liner Inspection

NOTE: This procedure is a scheduled maintenance task.

A. General

- (1) This task inspects all the liners in the aft cargo compartment.
- (2) It is important that all of the fasteners, seams, and punctures are sealed correctly to keep the amount of oxygen in the compartment to a minimum.

B. References

Reference	Title
21-32-05-000-801	Ceiling Blowout Panel Removal (P/B 401)
21-32-05-000-802	Cargo Compartment Bulkhead Blowout Panel Removal (P/B 401)
21-32-05-400-801	Ceiling Blowout Panel Installation (P/B 401)
21-32-05-400-802	Cargo Compartment Bulkhead Blowout Panel Installation (P/B 401)
25-00-00-300-801	Crushed-Core and Sandwich Panel Repair (P/B 801)
50-10-01 P/B 801	CARGO COMPARTMENT LINING AND FLOOR PANEL - REPAIRS
50-10-01-300-801	Loose or Damaged Tape Repair (P/B 801)
50-10-01-300-803	Permanent Repair for Molded Liners, Shrouds, and Liners with Complex Curves (P/B 801)
50-10-01-300-804	Permanent Repair for the Contour of the Ceiling Shroud (P/B 801)
50-10-01-340-801	Permanent Repair for Flat or Slightly Curved Liners (P/B 801)
50-10-02-000-801	Cargo Compartment Sidewall Liners Removal (P/B 401)
50-10-02-400-801	Cargo Compartment Sidewall Liners Installation (P/B 401)
50-10-03-000-801	Cargo Compartment Ceiling Liner Removal (P/B 401)
50-10-03-400-801	Cargo Compartment Ceiling Liner Installation (P/B 401)
50-12-01-000-801	Aft Cargo Compartment Forward Bulkhead Liner Removal (P/B 401)
50-12-01-400-801	Aft Cargo Compartment Forward Bulkhead Liner Installation (P/B 401)
50-12-02-000-801	Aft Cargo Compartment Aft Bulkhead Liner Removal (P/B 401)
50-12-02-400-801	Aft Cargo Compartment Aft Bulkhead Liner Installation (P/B 401)

C. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. Aft Cargo Compartment Liner Inspection

SUBTASK 50-10-00-210-006

- (1) Make sure that there is no loose or damaged tape at the joints for the ceiling liner, sidewall liner or bulkhead liner.
 - (a) If there is loose or damaged tape, replace the tape (TASK 50-10-01-300-801).

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SUBTASK 50-10-00-211-004

- (2) Make sure that the ceiling liners, sidewall liners, bulkhead liners and panels, blowout panels and floor panels do not have cuts, tears, cracks, or holes.
 - (a) If there are cuts, tears, cracks or holes found on the blowout panel, replace the blowout panel (TASK 21-32-05-000-801 and TASK 21-32-05-400-801 or TASK 21-32-05-000-802 and TASK 21-32-05-400-802).

SUBTASK 50-10-00-211-005

- (3) If damage is found, examine the non-honeycomb liners for damage as follows:

NOTE: These damage limits apply to all the non-honeycomb liners. These are the ceiling panels and shrouds, the sidewall liners, and the forward bulkhead in the aft cargo compartment.

 - (a) Cuts that are longer than 36 in. (91 cm) are not repairable.
 - (b) L-shaped tears that are longer than 9 in. (23 cm) on either side are not repairable.
 - (c) Holes that are over 1.5 in. (3.8 cm) in diameter are not repairable.

SUBTASK 50-10-00-200-005

- (4) If the damage is less than or equal to the limits, do the applicable task to repair the liner (CARGO COMPARTMENT LINING AND FLOOR PANEL - REPAIRS, PAGEBLOCK 50-10-01/801).

SUBTASK 50-10-00-200-006

- (5) If the damage to the liner is not repairable, replace the liner as follows:
 - (a) If the damage is on the cargo compartment ceiling liners, replace the liner (TASK 50-10-03-000-801 and TASK 50-10-03-400-801).
 - (b) If the damage is on the cargo compartment sidewall liners, replace the liner (TASK 50-10-02-000-801 and TASK 50-10-02-400-801).
 - (c) If the damage is on the cargo compartment forward bulkhead liner, replace the liner (TASK 50-12-01-000-801 and TASK 50-12-01-400-801).
 - (d) If the damage is on the cargo compartment aft bulkhead liner, replace the liner (TASK 50-12-02-000-801 and TASK 50-12-02-400-801).

SUBTASK 50-10-00-211-006

- (6) If damage is found, examine the contour of the ceiling shroud in the cargo compartment for damage as follows:
 - (a) Make sure that cracks are at least 2 in. (5 cm) away from other damage and from the panel edge on all sides.

NOTE: These damage limit only apply to cracks or cuts along the bend of the shroud. For damage to the flat parts of the shroud, use the damage limits and repair instructions for non-honeycomb linings.
 - (b) Do these tasks to repair the ceiling shroud (Permanent Repair for Molded Liners, Shrouds, and Liners with Complex Curves, TASK 50-10-01-300-803 and Permanent Repair for the Contour of the Ceiling Shroud, TASK 50-10-01-300-804).

SUBTASK 50-10-00-960-005

- (7) If the damage is greater than the limits, replace the liner (TASK 50-10-03-000-801 and TASK 50-10-03-400-801).

SUBTASK 50-10-00-200-007

- (8) If damage is found, examine the nomex honeycomb panels for damage as follows:

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- (a) For panels with core damage, there must be at least 0.5 in. (1.3 cm) of undamaged core around the damaged area.

SUBTASK 50-10-00-300-004

- (9) If the damage is less than or equal to the limits, do the following steps:

NOTE: Dents on the aft cargo compartment bulkhead panel assembly that shows no damage to the integrity of the facesheet (e.g. holes, cracks, damaged fiber) are structurally acceptable and repair is not necessary.

- (a) Do this task: Crushed-Core and Sandwich Panel Repair, TASK 25-00-00-300-801.
(b) Apply a flame-resistant patch (TASK 50-10-01-340-801).

NOTE: Multiple damage sites may be covered with longer strips in lieu of multiple shorter strips.

NOTE: Patch may be applied over fastener locations by removing the fastener and reinstalling through the patch.

NOTE: Splices in the patch system require a minimum of 1 in. (3 cm) overlap.

SUBTASK 50-10-00-960-004

- (10) If the damage is greater than the limit, replace the liner (TASK 50-10-03-000-801 and TASK 50-10-03-400-801).

———— **END OF TASK** ————

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CARGO COMPARTMENT - CLEANING/PAINTING

1. General

A. This procedure contains the following task:

- (1) Cargo Compartment Cleaning.

TASK 50-10-00-100-801

2. Cargo Compartment Cleaning

A. **General**

- (1) This task is for the cleaning of the cargo compartment.

B. **References**

Reference	Title
20-40-11-910-801	Static Grounding (P/B 201)
24-22-00-860-801	Supply Electrical Power (P/B 201)
24-22-00-860-802	Remove Electrical Power (P/B 201)
51-21-91-620-802	Application of Corrosion Inhibiting Compound (P/B 701)

C. **Tools/Equipment**

Reference	Description
STD-1068	Vacuum - High Capacity
STD-1439	Container - Drum, 55 Gallon (208 Liter)
STD-7824	Pump - Regulated Airless, 50-1,200 psi working pressure, 3-8 gpm output

D. **Consumable Materials**

Reference	Description	Specification
B00003	Cleaner - Emulsion Alkaline - GMC 528B (use until stock depleted)	
B00005	Cleaner - Alkaline - Cee Bee 280	
B00008	Cleaner - Alkaline - Oakite 204	
B00012	Cleaner - Alkaline - Turco Jet Clean C	
B00013	Cleaner - Alkaline - Dubois C-1102	
B00014	Cleaner - Zip-Chem Products Calla 301 Heavy Duty Cleaner	
B00015	Cleaner - Heavy Duty, Multipurpose - Calla 301A	BAC5744, AMS 1526-A, AMS 1550-A
B00016	Cleaner - Alkaline - TEC Formula No. 1	
B00017	Cleaner - Alkaline - Pace B-82 (Formerly Pacific B-82)	BMS11-12
B00325	Cleaner - Alkaline - Turco Jet Clean E	
B00335	Cleaner - Alkaline - TEC 86-2	
B00402	Cleaner - Aerospace Equipment	MIL-PRF-87937
B00432	Solvent - Alkaline - Cee Bee A-410B	
B00433	Solvent - Alkaline - Hydrex 09	
B00434	Solvent - Alkaline - Metaclean AC	

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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 CLA)
G00252	Film - Polyethylene Film And Sheeting	ASTM D2103 (Supersedes L-P-512)
G00253	Material - Barrier Materials, Greaseproofed, Waterproof, Flexible, Heat-Sealable	MIL-PRF-121 (Supersedes MIL-B-121)
G00258	Paper - Moisture Resistant, Laminated - Angier 30	
G00270	Tape - Scotch Flatback Masking 250	ASTM D6123 (Supersedes A-A-883)
G50412	Paper - Litmus (Used to find the acidity or alkalinity of a liquid solution)	

E. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

F. Prepare for the Cleaning

SUBTASK 50-10-00-860-001

- (1) Do this task: Remove Electrical Power, TASK 24-22-00-860-802.

SUBTASK 50-10-00-910-001

- (2) Do this task: Static Grounding, TASK 20-40-11-910-801.

SUBTASK 50-10-00-020-001

- (3) Remove all blankets and components that are not resistant to damage from solvents and water.

SUBTASK 50-10-00-950-001



APPLY THE MASKING TAPE AND PAPER TO ALL AREAS THAT YOU WILL NOT CLEAN. YOU MUST OBEY THE MANUFACTURER'S INSTRUCTIONS. THESE CLEANERS HAVE HIGH CONCENTRATION LEVELS AND CAN CAUSE DAMAGE TO THE PAINT OR CAN CAUSE THE CORROSION OF METAL SURFACES

- (4) Cover the areas that you will not clean.

NOTE: This includes protection of all the lubricated or waxed surfaces and the latches and fittings.

- (a) Use Scotch Flatback Masking Tape 250, G00270 with one of these protective materials:
- 1) polyethylene film, G00252
 - 2) barrier material, G00253
 - 3) Angier 30 paper, G00258.

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SUBTASK 50-10-00-100-001

- (5) Use these standard tools and equipment:
- (a) A high capacity vacuum, STD-1068 (wet and dry)
 - (b) 55 gallon (208 liter) drum container, STD-1439 mounted on casters
 - (c) Hose Assembly - 6 foot length, 1 1/2-inch ID; with a swivel connection to the pump - Graco Model 206-266 siphon tube
 - (d) Hose - 50 foot length, 3/8-inch ID, 2250 PSI working pressure with 3/8-inch pipe fitting at each end - Graco Model 207-831
 - (e) Portable Airless Pump - Graco bulldog Model 207-463; Hydraclean Pressure with 7 gpm output, 1200 psi working pressure, 10:1 ratio pump on pneumatic cart Model 208-156, with regulator assembly 206-199; Graco Incorporated, 60-11th Ave NE, Minneapolis MN 55440
 - (f) Portable airless pump, STD-7824 - Regulated airless, 50 - 1200 psi working pressure, 3 - 8 gpm output.

SUBTASK 50-10-00-110-001

- (6) Use one of these alkaline emulsion solvents:
- (a) Calla 301 cleaner, B00014
 - (b) Cee Bee A-410B solvent, B00432
 - (c) Cee Bee 280 cleaner, B00005
 - (d) Dubois C-1102 cleaner, B00013
 - (e) GMC 528B cleaner, B00003
 - (f) Hydrex 09 solvent, B00433
 - (g) Metaclean AC solvent, B00434
 - (h) Oakite 204 cleaner, B00008
 - (i) Pace B-82 alkaline cleaner, B00017
 - (j) TEC Formula No. 1 cleaner, B00016
 - (k) TEC 86-2 cleaner, B00335
 - (l) Turco Jet Clean C cleaner, B00012
 - (m) Turco Jet Clean E cleaner, B00325

NOTE: The following cleaners are optional to GMC 528B cleaner, B00003:

- cleaner, B00402
- Cee Bee 280 cleaner, B00005
- Oakite 204 cleaner, B00008
- Calla 301A cleaner, B00015.

G. Cargo Compartment Cleaning

SUBTASK 50-10-00-160-001

- (1) Remove the dirt, fluids, and the other loose material with a high capacity vacuum, STD-1068 as necessary.

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SUBTASK 50-10-00-110-002



WARNING

DO NOT GET SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM THESE MATERIALS. PUT ON A PROTECTIVE SPLASH GOGGLE AND GLOVES WHEN YOU USE THESE MATERIALS. KEEP THESE MATERIALS AWAY FROM SPARKS, FLAME, AND HEAT. THESE MATERIALS ARE POISONOUS AND FLAMMABLE AND CAN CAUSE INJURY TO PERSONS OR DAMAGE TO EQUIPMENT.

- (2) Apply a solution of alkaline emulsion solvent and water to the compartment with the airless pump, STD-7824 or the Graco bulldog portable airless pump.
 - (a) Use an alkaline emulsion solvent that is on the list in this task.
 - (b) Let the solution soak for 5 minutes, but do not let it dry.
 - (c) Apply more solution as necessary to keep the surfaces wet.

SUBTASK 50-10-00-160-002

- (3) Remove the solution and the materials loosened by the solution with the high capacity vacuum, STD-1068.

SUBTASK 50-10-00-160-003

- (4) If it is necessary, do the steps again to apply and remove the cleaning solution until the compartment is clean.

SUBTASK 50-10-00-170-001

- (5) Flush the compartment with pressurized clean water.

SUBTASK 50-10-00-160-004

- (6) Remove the water with the high capacity vacuum, STD-1068.

SUBTASK 50-10-00-750-001

- (7) Do this pH check for the compartment with litmus paper, G50412 as follows:
 - (a) Do a pH check of the clean water.
 - (b) Do a pH check of the water which remains caught in the compartment.
 - 1) Do this check in more than one area.
 - (c) Compare the pH check of the clean water with the pH of the water that remains in the compartment.
 - (d) Make sure that the pH in the compartment is not more than 1 pH unit of the pH in the clean water.
 - (e) If it is necessary, flush the compartment again with clean water to decrease the pH unit.

SUBTASK 50-10-00-160-005

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

SUBTASK 50-10-00-620-001

- (9) Do this task: Application of Corrosion Inhibiting Compound, TASK 51-21-91-620-802.

H. Put the Airplane Back to its Usual Condition

SUBTASK 50-10-00-950-002

- (1) Remove all of the masking tape and paper.

SUBTASK 50-10-00-410-001

- (2) Install the equipment you removed.

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SUBTASK 50-10-00-910-002

(3) Remove the static ground.

SUBTASK 50-10-00-860-003

(4) If It is necessary, do this task: Supply Electrical Power, TASK 24-22-00-860-801.

———— **END OF TASK** ————

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CARGO COMPARTMENT LINING AND FLOOR PANEL - REPAIRS

1. General

A. This procedure contains these tasks:

- (1) Loose or Damaged Tape Repair
- (2) Permanent Repair for Flat or Slightly Curved Liners
- (3) Permanent Repair for Molded Liners, Shrouds, and Liners with Complex Curves.
- (4) Permanent Repair for the Contour of the Ceiling Shroud
- (5) Neoprene Coated Cargo Liner Repair
- (6) Silicone Impregnated Liner Repair

TASK 50-10-01-300-801

2. Loose or Damaged Tape Repair

A. **General**

- (1) It is not necessary to remove the liners from the airplane for this repair.

B. **Consumable Materials**

Reference	Description	Specification
B00130	Alcohol - Isopropyl	TT-I-735
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	AMS3819 Class 1 Grade A or B Form 1 (Supersede BMS15-5 CL A)
G02361	Tape - Cargo Lining Joint Seal	BMS5-146

C. **Location Zones**

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. **Procedure**

SUBTASK 50-10-01-160-001

- (1) Remove or discard all loose or damaged tape.

SUBTASK 50-10-01-160-002

- (2) Clean the damaged area with a clean cotton wiper, G00034, that is moist with alcohol, B00130.

SUBTASK 50-10-01-160-003

- (3) Dry the area with a clean dry cotton wiper, G00034, before the alcohol dries.

SUBTASK 50-10-01-160-004

- (4) Clean the area again fully to remove the dirt, oil, paint, and other unwanted materials.

NOTE: A clean surface is necessary for a good bond.

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SUBTASK 50-10-01-420-001



DO NOT PUT TAPE ON THE SMOKE DETECTOR TUBES OR THE FIRE EXTINGUISHER OUTLET TUBES. THE SMOKE DETECTOR AND THE FIRE EXTINGUISHER SYSTEM WILL NOT SENSE A FIRE IF THERE IS TAPE ON THE TUBE OR OUTLETS. THIS CAN CAUSE INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT.

- (5) Apply tape, G02361.

NOTE: Do not use the old tape again. If you use the tape again, it will not have a satisfactory bond.

- (a) Make sure that the tape is within shelf life limits for the optimum tape adhesion.
- (b) Where possible, apply the tape to warm surfaces that are approximately 60°F (16°C) or higher, to help promote good adhesion.

————— **END OF TASK** —————

TASK 50-10-01-340-801

3. **Permanent Repair for Flat or Slightly Curved Liners**

(Figure 801)

A. **General**

- (1) There are four alternatives for permanent repairs. It is only necessary to use one of the four alternatives.

B. **References**

Reference	Title
50-10-02-000-801	Cargo Compartment Sidewall Liners Removal (P/B 401)
50-10-02-400-801	Cargo Compartment Sidewall Liners Installation (P/B 401)
50-10-03-000-801	Cargo Compartment Ceiling Liner Removal (P/B 401)
50-10-03-400-801	Cargo Compartment Ceiling Liner Installation (P/B 401)
50-12-01-000-801	Aft Cargo Compartment Forward Bulkhead Liner Removal (P/B 401)
50-12-01-400-801	Aft Cargo Compartment Forward Bulkhead Liner Installation (P/B 401)

C. **Consumable Materials**

Reference	Description	Specification
A00016	Adhesive - Pressure Sensitive Film For Interior Non-Structural Bonding	BMS5-91
A01016	Adhesive - Epoxy Resin, High Temperature - EP65HT-1	
A50022	Patch - Cargo Liner, Self-Adhesive Speed Patch - AF844, AF848, or AF888 (based on size)	
A50426	Tape - Cargo Lining, 2 inches wide	BMS5-146 Type 1 Class 1 Grade A
B00065	Alcohol - Denatured, Ethyl (Ethanol)	AMS 3002 (Supersedes O-A-396)
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III

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Reference	Description	Specification
B00102	Abrasive - Aluminum Oxide Coated Cloth	
B00137	Abrasive - Garnet Coated Paper	
G00088	Fabric, General Purpose, Rigid, Fire Retarded, Glass Fabric Reinforced Plastic Sheeting	BMS8-2
G02163	Sheet - Fire Resistant Glass Fiber Reinforced Phenolic Laminate Cargo Liner	BMS8-223
G02393	Patch - Fiberglass, Heat-Resistant - Thermion 9290	
G50418	Patch - Cargo Liner, Self-Adhesive Speed Patch - Gillpatch III 6306 System Kit	

D. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

E. Prepare for the Repair

SUBTASK 50-10-01-000-001

- (1) If it is necessary to remove the liner for repair, do the applicable task:
 - (a) Do this task: Cargo Compartment Sidewall Liners Removal, TASK 50-10-02-000-801.
 - (b) Do this task: Cargo Compartment Ceiling Liner Removal, TASK 50-10-03-000-801.
 - (c) Do this task: Aft Cargo Compartment Forward Bulkhead Liner Removal, TASK 50-12-01-000-801.

SUBTASK 50-10-01-210-007

- (2) These are the maximum damage limits for the repair of the non-honeycomb linings. These damage limits apply to all the non-honeycomb linings (the ceiling panels and shrouds, the sidewall linings, and the forward bulkhead in the aft cargo compartment). The cracks length limits may not be longer than 35 in. (88.9 cm) and are at least 2 in. (5.1 cm) away from other damage and from the panel edge on all sides, do this task: Permanent Repair for Molded Liners, Shrouds, and Liners with Complex Curves, TASK 50-10-01-300-803 and Permanent Repair for the Contour of the Ceiling Shroud, TASK 50-10-01-300-804.
 - (a) Make sure that cuts that are 36 in. (91 cm) long or less.
 - (b) Make sure that L-shaped tears are 9 in. (23 cm) long or less on either side.
 - (c) Make sure that holes are 1.5 in. (3.8 cm) in diameter or smaller.

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F. Alternative 1 - Repair the Cargo Liners With Screws and a Bonded Patch

SUBTASK 50-10-01-340-015

- (1) Make a patch from the applicable material, sheet, G02163, or fabric, G00088. The sheet, G02163 or fabric, G00088 must be the same thickness as the liner where the repair is necessary.

NOTE: Cargo areas contain sheet, G02163 and fabric, G00088. They are interchangeable. The only difference is that the fabric, G00088 is heavier and more durable. Both have the same fire retardant value.

NOTE: The patch must make a 2-inches (51 mm) overlap on the area that is not damaged. For example, the patch dimension that is necessary for a 1.5-inches (38 mm) diameter hole would be 5.5-inches (140 mm) diameter.

SUBTASK 50-10-01-120-002

- (2) Rub the back of the patch with abrasive cloth, B00102 (80 grit).

SUBTASK 50-10-01-120-003

- (3) Use abrasive cloth, B00102 (80 grit), to remove all signs of the Tedlar on the area of the liner to be contacted by the patch.

NOTE: Tedlar is the protective white layer that is on the front of the liner.

SUBTASK 50-10-01-160-007

- (4) Clean all the surfaces with alcohol, B00065, or solvent, B00083, to remove the loose particles.

SUBTASK 50-10-01-340-016

- (5) Apply adhesive, A00016 or equivalent, to the back of the patch.

SUBTASK 50-10-01-340-017

- (6) Put the patch over the center of the damaged area.

SUBTASK 50-10-01-340-018

- (7) Apply pressure to the patch to make sure that there is a good bond.

SUBTASK 50-10-01-340-019

- (8) Attach the patch permanently with steel sheet metal screws. Install the screws approximately 1.25 in. (31.75 mm) apart and 0.60 in. (15.24 mm) from the edge of the patch.

NOTE: Put the screws in positions where they do not touch the structure that is behind the panel.

SUBTASK 50-10-01-340-020

- (9) Apply Tape, A50426, on the heads of the screws to keep them installed through the fiberglass liner and patch.
 - (a) Make sure the tape is within shelf life limits for optimum tape adhesion.
 - (b) Where possible, apply the tape to warm surfaces that are approximately 60°F (16°C) or higher, to help promote good adhesion.

G. Alternative 2 - Thermion Repair System

SUBTASK 50-10-01-340-021

- (1) Get the correct Thermion 9290 patch, G02393, for the shape of the damage.

NOTE: The patch must make a 2-inches (51 mm) overlap on the area that is not damaged. For example, the patch dimension that is necessary for a 1.5-inches (38 mm) diameter hole would be 5.5-inches (140 mm) diameter.

SUBTASK 50-10-01-120-004

- (2) Rub the back of the patch with abrasive cloth, B00102 (80 grit), to remove the gloss.

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- (a) Be careful to not rub the impregnated scrim area.

SUBTASK 50-10-01-120-005

- (3) Use abrasive, B00137 (80 grit), to remove all signs of the Tedlar on the area of the liner to be contacted by the patch.

NOTE: Tedlar is the protective white layer that is on the front of the liner.

SUBTASK 50-10-01-160-008

- (4) Clean all the surfaces with alcohol, B00065, or solvent, B00083, to remove the loose particles.

SUBTASK 50-10-01-340-022

- (5) Apply EP65HT-1 adhesive, A01016, to the back of the patch and to the liner.

SUBTASK 50-10-01-340-023

- (6) Put the patch over the center of the damaged area.

SUBTASK 50-10-01-340-024

- (7) Apply pressure to the patch until the excess adhesive comes out from the edges.

SUBTASK 50-10-01-340-025

- (8) Put Tape, A50426, around the edges of the patch.

NOTE: The tape will hold the patch while the adhesive dries (approximately 30 minutes). Also, the tape will protect the edges of the patch when the airplane is in service.

- (a) Make sure the tape is within shelf life limits for optimum tape adhesion.
- (b) Where possible, apply the tape to warm surfaces that are approximately 60°F (16°C) or higher, to help promote good adhesion.

H. Alternative 3 - Akro Fireguard System

SUBTASK 50-10-01-340-026

- (1) Get the correct Akro Fireguard repair kit, Akro Fireguard patch, A50022 for the shape of the damage.

NOTE: The patch must make a 2-inches (51 mm) overlap on the area that is not damaged. For example, the patch dimension that is necessary for a 1.5-inches (38 mm) diameter hole would be 5.5-inches (140 mm) diameter.

NOTE: For edge damage, the patch must extend to the edge of the liner or be put below the adjacent metal structure.

SUBTASK 50-10-01-340-027

- (2) Use the Akro installation instructions (in the kit) to attach the patch over the center of the damage.

I. Alternative 4 - Gillpatch III System

SUBTASK 50-10-01-340-028

- (1) Get the Gillpatch III System patch, G50418, each kit has complete instructions to identify the repairable sizes and apply the patch.

- (a) The patch, G50418 must extend 2 inches beyond all sides of a tear or puncture.

NOTE: The patch must make a 2-inches (51 mm) overlap on the area that is not damaged. For example, the patch dimension that is necessary for a 1.5-inches (38 mm) diameter hole would be 5.5-inches (140 mm) diameter.

SUBTASK 50-10-01-160-009

- (2) Use a lint-free clean, dry cloth and alcohol, B00065, or solvent, B00083 or equivalent, to remove any oil, grease, dirt or stain from the damaged area to be patched.

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SUBTASK 50-10-01-210-004

- (3) Make sure the area is clean and dry before you apply the patch, G50418.
 - (a) Wipe off any film residue that remains on the liner surface.

SUBTASK 50-10-01-210-005

- (4) If there are any Tedlar surface, note that it is not necessary to remove them, as the patch, G50418 can be applied directly to Tedlar.

SUBTASK 50-10-01-340-029

- (5) When you are ready to apply the patch, G50418, peel the protective backing from the pressure sensitive adhesive on the back of the patch, G50418.

NOTE: Handle the patch very carefully as the adhesive will adhere aggressively to any surface that comes in contact with it.

SUBTASK 50-10-01-390-003

- (6) Center the adhesive side of the patch, G50418 over the damaged area.

SUBTASK 50-10-01-390-004

- (7) Use your hand to rub with circular even pressure over the entire surface of the patch, G50418 which also includes the exposed edges.

SUBTASK 50-10-01-210-006

- (8) Make sure the patch, G50418 completely adheres to the cargo liner it covers.
 - (a) The patch, G50418 must be firmly stuck in place and extends 2 inches beyond all sides of the tear or puncture.

J. Put the Airplane Back to Its Usual Condition

SUBTASK 50-10-01-400-001

- (1) If it is necessary to install the liner after the repair, do the applicable task:
 - (a) Do this task: Cargo Compartment Sidewall Liners Installation, TASK 50-10-02-400-801.
 - (b) Do this task: Cargo Compartment Ceiling Liner Installation, TASK 50-10-03-400-801.
 - (c) Do this task: Aft Cargo Compartment Forward Bulkhead Liner Installation, TASK 50-12-01-400-801.

————— **END OF TASK** —————

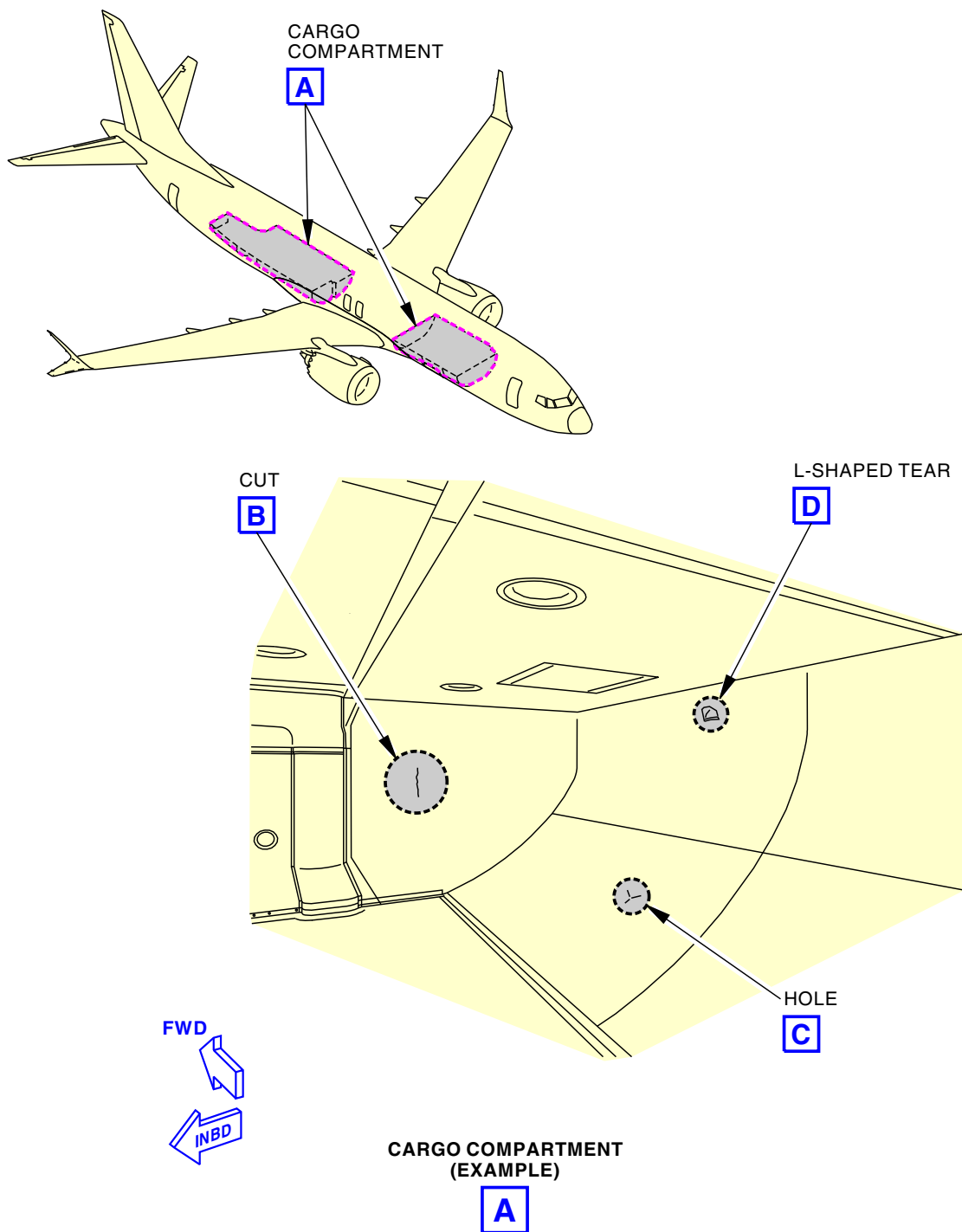
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Cargo Liner Repair
Figure 801/50-10-01-990-802 (Sheet 1 of 2)

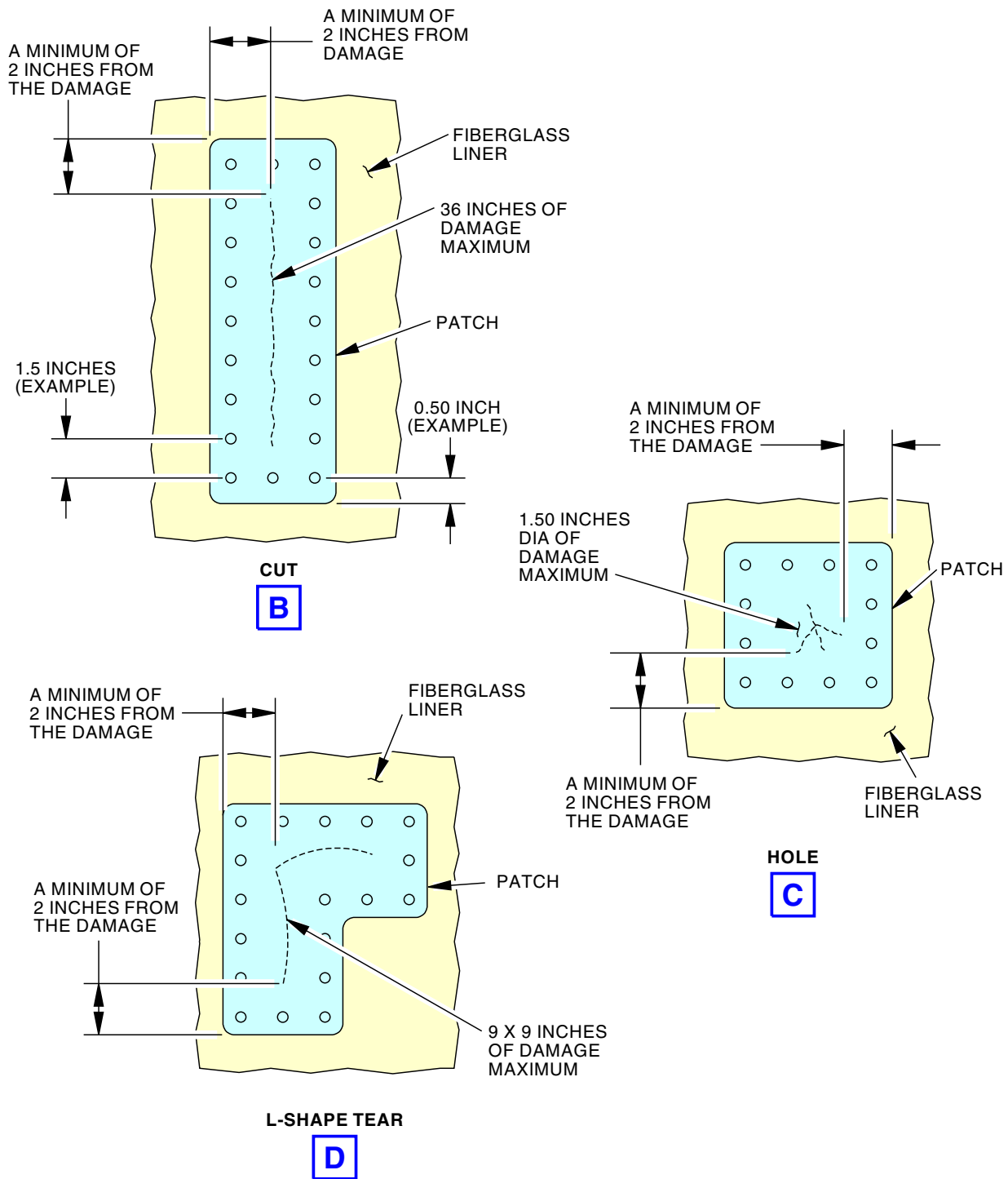
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Cargo Liner Repair
Figure 801/50-10-01-990-802 (Sheet 2 of 2)

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TASK 50-10-01-300-803

4. **Permanent Repair for Molded Liners, Shrouds, and Liners with Complex Curves**

A. **General**

- (1) Make sure that the damage to the panel is not too large for the repair. If the damage is too large, you must replace the panel. To find if the damage is too large, do this task: Forward Cargo Compartment Liner Inspection, TASK 50-10-00-200-801.

B. **References**

Reference	Title
50-10-00-200-801	Forward Cargo Compartment Liner Inspection (P/B 601)
50-10-02-000-801	Cargo Compartment Sidewall Liners Removal (P/B 401)
50-10-02-400-801	Cargo Compartment Sidewall Liners Installation (P/B 401)
50-10-03-000-801	Cargo Compartment Ceiling Liner Removal (P/B 401)
50-10-03-400-801	Cargo Compartment Ceiling Liner Installation (P/B 401)
50-12-01-000-801	Aft Cargo Compartment Forward Bulkhead Liner Removal (P/B 401)
50-12-01-400-801	Aft Cargo Compartment Forward Bulkhead Liner Installation (P/B 401)
SRM 51-70-06	ROOM TEMPERATURE CURE REPAIRS

C. **Consumable Materials**

Reference	Description	Specification
G50399	Resin - Fiberglass Layup, Long Worklife, Non-Brominated	BMS8-201 Type III (Supersedes BMS8-201 Type I)
G50400	Resin - Fiberglass Layup, Short Worklife, Non-Brominated	BMS8-201 Type IV (Supersedes BMS8-201 Type II)
G51353	Kit - Akro Fireguard AF400 Series Patch	

D. **Location Zones**

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

E. **Prepare for the Repair**

SUBTASK 50-10-01-010-003

- (1) To remove the liner for the repair, do the applicable task:
- (a) Do this task: Cargo Compartment Sidewall Liners Removal, TASK 50-10-02-000-801.
 - (b) Do this task: Cargo Compartment Ceiling Liner Removal, TASK 50-10-03-000-801.
 - (c) Do this task: Aft Cargo Compartment Forward Bulkhead Liner Removal, TASK 50-12-01-000-801.

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F. Cargo Lining Repair

SUBTASK 50-10-01-340-043

- (1) To do the structural repair on the panel, follow the SRM SUBJECT 51-70-06.

NOTE: Do the structural repair on one of the two, the cargo side or the non-cargo side (fiberglass side) of the cargo liner. Follow the repair procedures in the SRM SUBJECT 51-70-06. Do not use BMS8-301. As an alternative, use resin, G50400.

SUBTASK 50-10-01-340-044

- (2) Vacuum the bag and let the adhesive cure for a minimum of 24 hours at 77°F (25°C), or for a minimum of 1-hour at 150°F (65.6°C). A minimum of 22 inches of mercury vacuum pressure must be in operation during the cure.

NOTE: A 10 degree tolerance in each direction is approved.

- (3) After the BMS8-201 (resin, G50400 or resin, G50399) repair is cured, do this task: Permanent Repair for Flat or Slightly Curved Liners, TASK 50-10-01-340-801, or apply the AF400 Series Patch, G51353 to install a fire-resistant patch on the cargo side.

NOTE: The AF400 Series Patch, G51353 is the only fire-resistant patch approved for contoured repair areas.

SUBTASK 50-10-01-340-045

- (4) Do these steps to attach the patch permanently with bolts. Use NAS603-5P bolts, AN960JD10L washers, and MS21042L3 nuts, or equivalent.

- (a) Drill holes for the bolts around the edge of the patch. Drill the holes a maximum of 2 in. (50.8 mm) apart and approximately 0.5 in. (13 mm) from the edges of the fiberglass fabric. Make sure that the holes go through the patch and the initial panel.

NOTE: When you install the panel, put the holes in positions where the bolts will not hit the structure or systems.

- (b) Install the bolts, nuts and washers.
(c) Make sure that there is sufficient clearance between the bolts and the adjacent structure and systems behind the panel.
(d) Grind the ends of the bolts smooth with the nuts to get sufficient clearance, if necessary.
(e) If you cannot get sufficient clearance, replace the panel.

G. Put the Airplane Back to its usual Condition

SUBTASK 50-10-01-840-002



SEAL THE CARGO COMPARTMENT WITH THE LINING. OBEY THE INSTRUCTIONS IN THE SPECIFIED PROCEDURE WHEN YOU INSTALL THE LINING. IF YOU INSTALL THE LINING INCORRECTLY, THE FIRE EXTINGUISHING AGENT OR SMOKE CAN CAUSE INJURIES.

- (1) To install the liner after the repair, do the applicable task:
(a) Do this task: Cargo Compartment Sidewall Liners Installation, TASK 50-10-02-400-801.
(b) Do this task: Cargo Compartment Ceiling Liner Installation, TASK 50-10-03-400-801.
(c) Do this task: Aft Cargo Compartment Forward Bulkhead Liner Installation, TASK 50-12-01-400-801.

————— **END OF TASK** —————

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TASK 50-10-01-300-804

5. Permanent Repair for the Contour of the Ceiling Shroud

(Figure 802)

A. General

- (1) This task gives instructions to repair the contour of the ceiling shroud in the forward cargo compartment. This task only applies to cracks or cuts along the bend of the shroud. It does not apply to damage to the flat part of the shrouds.

B. References

Reference	Title
50-10-03-000-801	Cargo Compartment Ceiling Liner Removal (P/B 401)
50-10-03-400-801	Cargo Compartment Ceiling Liner Installation (P/B 401)

C. Consumable Materials

Reference	Description	Specification
A01076	Adhesive - Synthetic Rubber	BAC5010 Type 93 (BMS5-95 Class B)
G02186	Seal - Closed Cell Silicone Foam Rubber, Hydraulic Fluid Resistant	BMS1-68 Form III
G02312	Fabric, Phenolic Preimpregnated Glass	BMS8-226
G50428	Tape - Nitto P-629 (Formerly Permacel) Cargo Pit Seam Tape	BMS5-146
G51187	Sheet - Stainless Steel, 15-5PH CRES Sheet	Commercially Available
G51188	Sheet - Stainless Steel, 17-4PH CRES Sheet	Commercially Available
G51189	Sheet - Stainless Steel, 300 Series CRES Sheet	Commercially Available

D. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right

E. Prepare for the Repair

SUBTASK 50-10-01-000-002

- (1) Do this task: Cargo Compartment Ceiling Liner Removal, TASK 50-10-03-000-801.

SUBTASK 50-10-01-200-001

- (2) These are the maximum damage limits to repair the contour of the ceiling shroud in the forward cargo compartment. These damage limits only apply to cracks or cuts along the bend of the shroud. For damage to the flat parts of the shroud, use the damage limits and repair instructions for non-honeycomb linings.
- (a) Make sure that cracks are at least 2 in. (5 cm) away from other damage and from the panel edge on all sides.

F. Repair the Contour with a Steel Patch

SUBTASK 50-10-01-000-003

- (1) Remove the damaged areas.

SUBTASK 50-10-01-300-001

- (2) Fabricate a repair patch from CRES sheet 0.050 in. (0.13 cm) thick manufactured from stainless steel sheet, G51187, stainless steel sheet, G51188, or stainless steel sheet, G51189.

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SUBTASK 50-10-01-300-002

- (3) Use adhesive, A01076 to bond the stainless steel sheet, G51189 patch to the ceiling shroud.

NOTE: An optional method to bond the patch is to use seal, G02186 tape to install the patch to the ceiling shroud.

SUBTASK 50-10-01-300-003

- (4) Attach the patch permanently with screws. Use BACS12FA3K screws, NAS1149D0363J washers and BACN10JC3CD nuts or equivalent.
- (a) Fastener spacing in the forward-aft direction is 4.0 in. (101.6 mm) typical.
- (b) Install two rows of fasteners past the end of the damage.

SUBTASK 50-10-01-300-004

- (5) Drill holes for the bolts around the edge of the patch. Drill the holes with a maximum of 4.0 in. (101.6 mm) of separation, and approximately 0.5 in. (12.7 mm) from the edges of the stainless steel patch. Make sure that the holes go through the patch and the original panel.

SUBTASK 50-10-01-200-002

- (6) Make sure that there is sufficient clearance between the screws and the adjacent structure and systems behind the panel.

SUBTASK 50-10-01-420-002

- (7) Install the screws, nuts and washers.

SUBTASK 50-10-01-410-002

- (8) Apply Nitto P-629 tape, G50428, over the fasteners and the joint edge to keep them installed through the patch.
- (a) Make sure the tape is within shelf life limits for optimum tape adhesion.
- (b) Where possible, apply the tape to warm surfaces that are approximately 60°F (16°C) or higher, to help promote good adhesion.

G. Repair the Contour with a Preformed Patch

SUBTASK 50-10-01-300-005

- (1) Make a patch from the applicable material fabric, G02312. The patch can be made from 4 plies of the fabric, G02312 material.

SUBTASK 50-10-01-340-030

- (2) Do these steps to fabricate or laminate the preformed patch:
- (a) Make sure that the radius of the preformed patch matches the panel radius.
- (b) Build a laminate equal in thickness to the number of plies removed.
- (c) Taper sand this laminate to fit the plies removed from the panel.
- (d) If you need to splice prepreg plies, overlap splices are preferred.
- 1) Make sure that overlap widths are between 0.13 in. (3.30 mm) and 1.25 in. (31.75 mm) wide.
- 2) Make sure that lap splices in adjacent plies are staggered.
- (e) You can use butt splices for laminates or panels that have four or more plies on each side.
- 1) Make sure that overlaps are not more than 0.01 in. (0.25 mm).
- 2) Make sure that the maximum gap between prepreg edges are not more than 0.02 in. (0.51 mm).
- 3) Make sure that butt splices on adjacent plies are staggered.

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SUBTASK 50-10-01-340-031

- (3) Use adhesive, A01076 to bond the fabric, G02312 patch to the ceiling shroud.

NOTE: An optional method to bond the patch is to use seal, G02186 tape to install the patch to the ceiling shroud.

SUBTASK 50-10-01-420-003

- (4) Install the fasteners as necessary.
- (a) Fastener spacing in the forward-aft direction is 4.0 in. (101.6 mm) typical.
 - (b) Install two rows of fasteners past the end of the damage.

SUBTASK 50-10-01-350-001

- (5) Apply Nitto P-629 tape, G50428, over the fasteners and the joint edge to keep them installed through the patch.
- (a) Make sure that the tape is within shelf life limits for optimum tape adhesion.
 - (b) Where possible, apply the tape to warm surfaces that are approximately 60°F (16°C) or higher, to help promote good adhesion.

H. Put the Airplane Back to Its Usual Condition

SUBTASK 50-10-01-840-001

- (1) Do this task: Cargo Compartment Ceiling Liner Installation, TASK 50-10-03-400-801.

————— END OF TASK —————

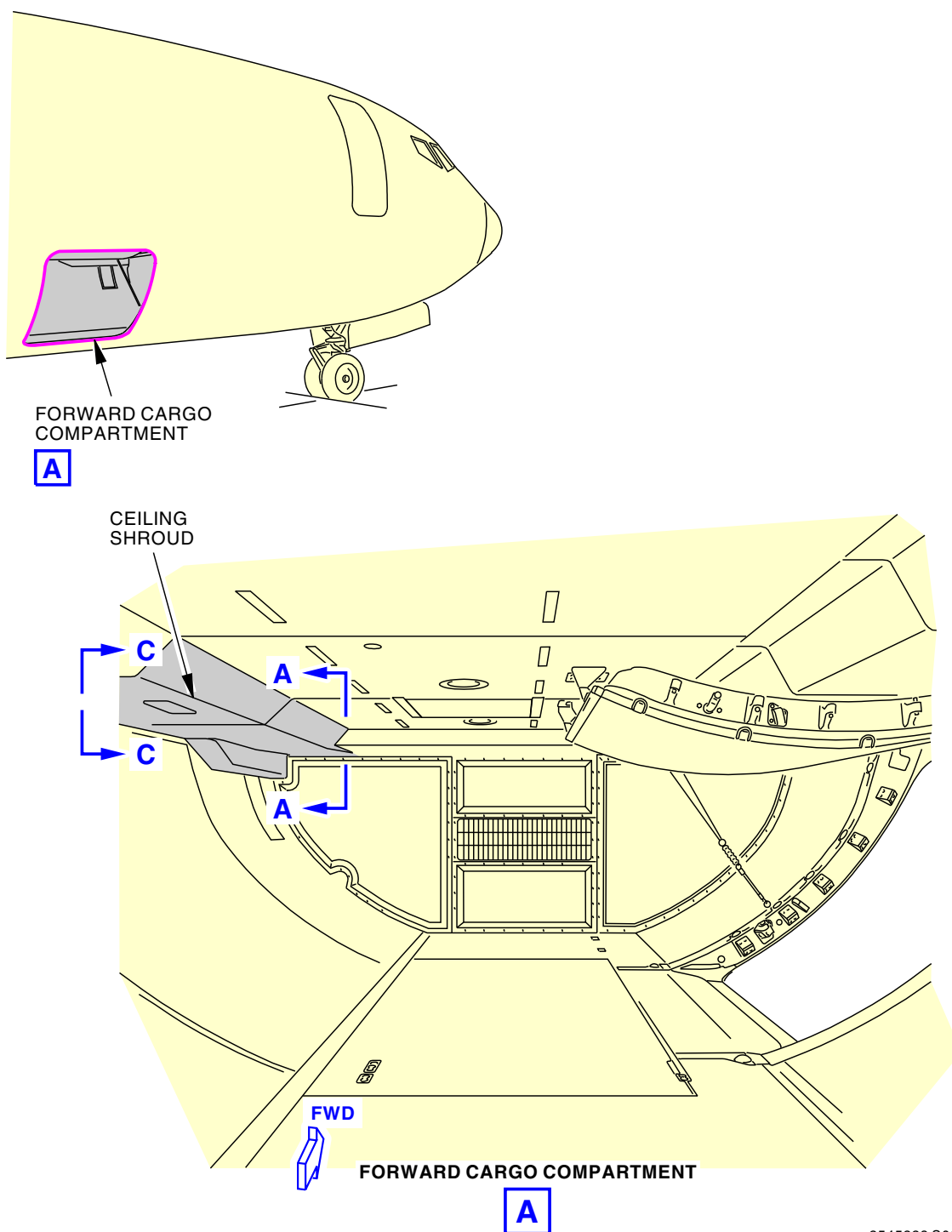
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Forward Cargo Compartment Ceiling Shroud Repair
Figure 802/50-10-01-990-803 (Sheet 1 of 4)

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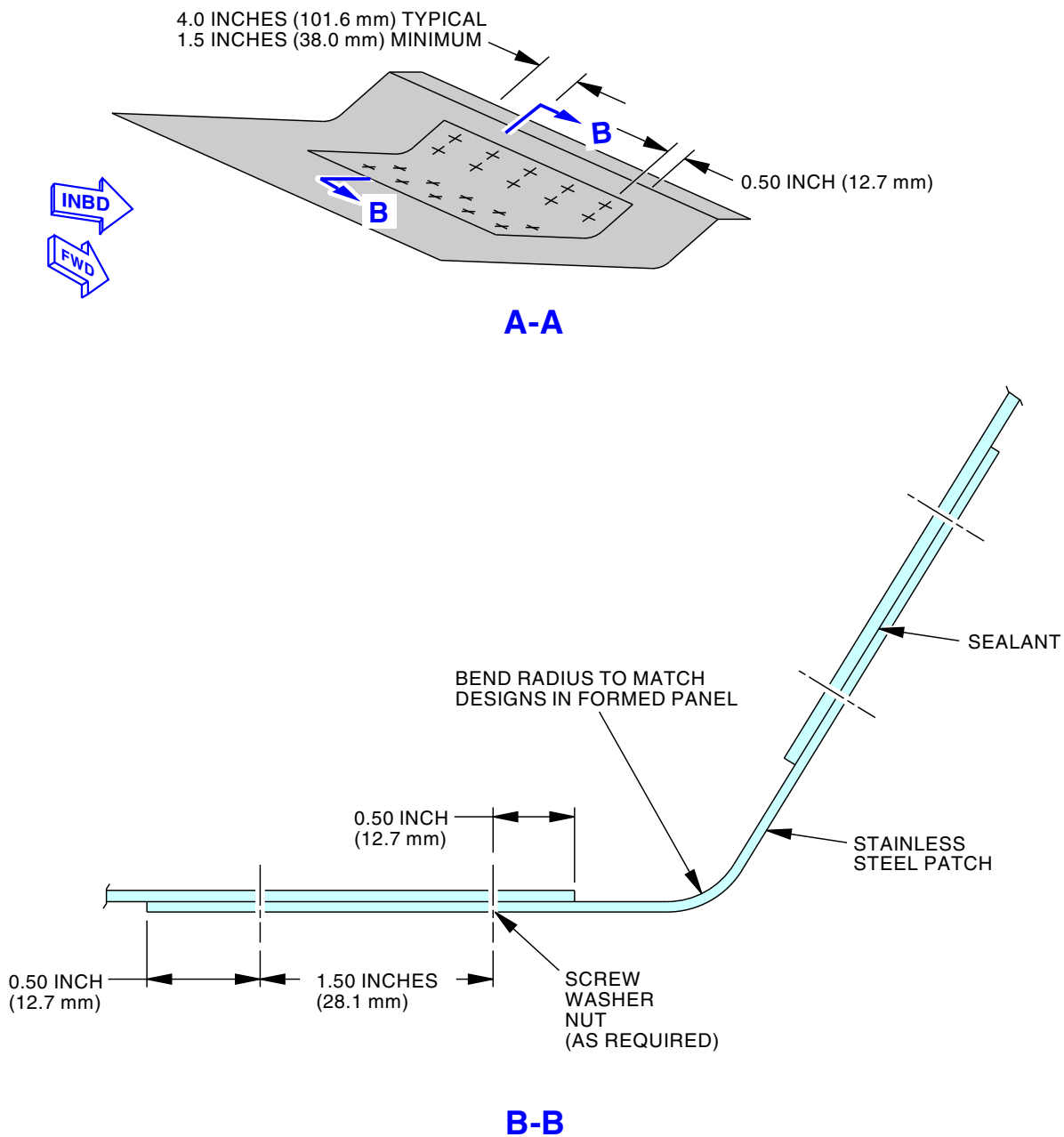
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Forward Cargo Compartment Ceiling Shroud Repair
Figure 802/50-10-01-990-803 (Sheet 2 of 4)

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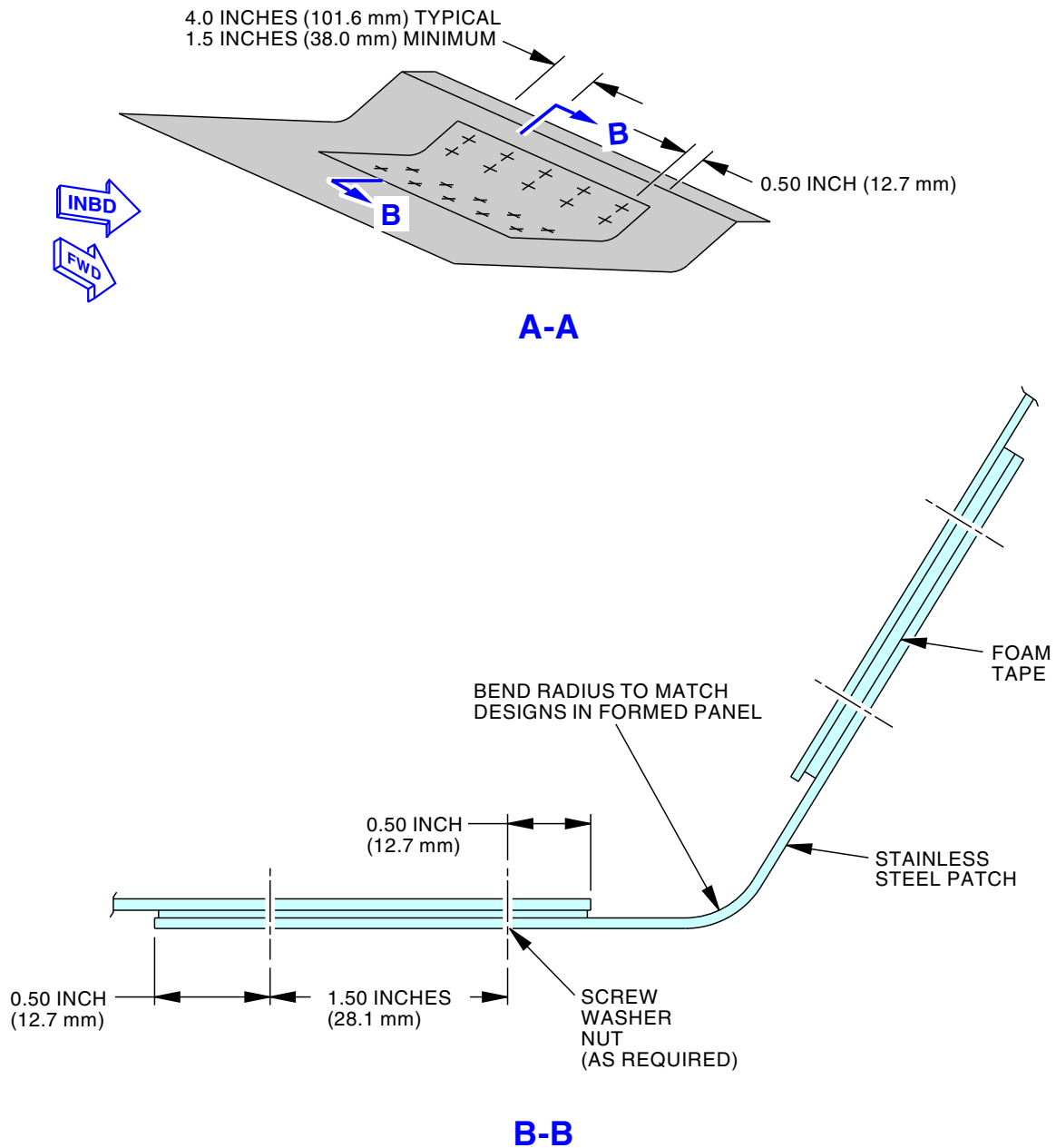
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Forward Cargo Compartment Ceiling Shroud Repair
Figure 802/50-10-01-990-803 (Sheet 3 of 4)

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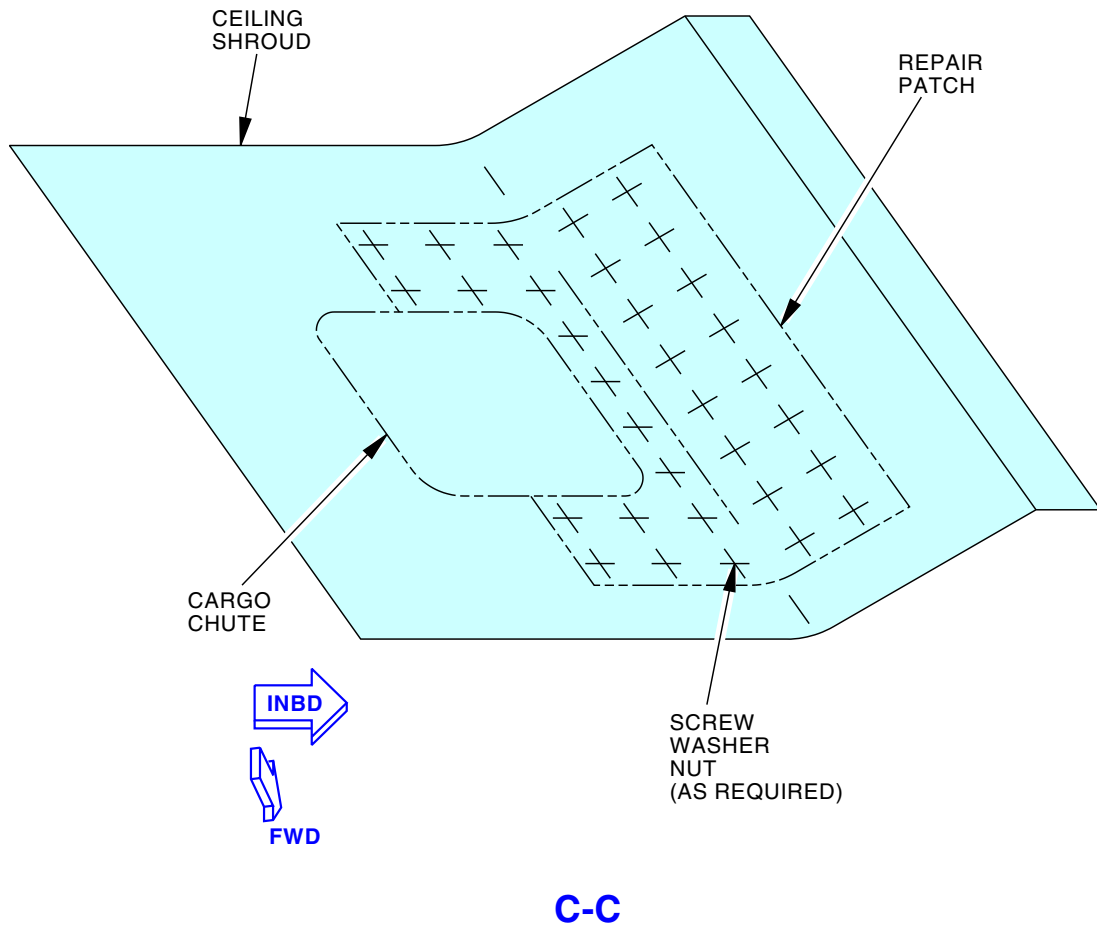
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Forward Cargo Compartment Ceiling Shroud Repair
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TASK 50-10-01-300-805

6. Neoprene Coated Cargo Liner Repair

A. General

- (1) This task gives instructions to repair the neoprene-coated fiberglass liners in the lower lobe cargo compartments
- (2) There are two repair alternatives. It is only necessary to do one of the repairs that follow:
 - (a) Repair the neoprene-coated liners with mechanical fasteners.
 - (b) Repair the neoprene-coated liner with fiberglass thread, G01498.
- (3) Liners designed for blow out if decompression occurs are not repairable and should be replaced.
- (4) Refer to this procedure for cargo liner damage limits: CARGO COMPARTMENT - INSPECTION/CHECK, PAGEBLOCK 50-10-00/601.

B. References

Reference	Title
50-10-00 P/B 601	CARGO COMPARTMENT - INSPECTION/CHECK
50-10-02-000-801	Cargo Compartment Sidewall Liners Removal (P/B 401)
50-10-02-400-801	Cargo Compartment Sidewall Liners Installation (P/B 401)
50-10-03-000-801	Cargo Compartment Ceiling Liner Removal (P/B 401)
50-10-03-400-801	Cargo Compartment Ceiling Liner Installation (P/B 401)
50-11-01-000-801	Forward Cargo Compartment Forward Bulkhead Liner Removal (P/B 401)
50-11-01-400-801	Forward Cargo Compartment Forward Bulkhead Liner Installation (P/B 401)
50-11-02-000-801	Forward Cargo Compartment Aft Bulkhead Liner Removal (P/B 401)
50-11-02-400-801	Forward Cargo Compartment Aft Bulkhead Liner Installation (P/B 401)
50-12-01-000-801	Aft Cargo Compartment Forward Bulkhead Liner Removal (P/B 401)
50-12-01-400-801	Aft Cargo Compartment Forward Bulkhead Liner Installation (P/B 401)
50-12-02-000-801	Aft Cargo Compartment Aft Bulkhead Liner Removal (P/B 401)
50-12-02-400-801	Aft Cargo Compartment Aft Bulkhead Liner Installation (P/B 401)
52-31-00 P/B 201	CARGO DOOR - MAINTENANCE PRACTICES

C. Consumable Materials

Reference	Description	Specification
A00016	Adhesive - Pressure Sensitive Film For Interior Non-Structural Bonding	BMS5-91
A50144	Adhesive - Neoprene (Fire Retardant)	BMS5-7 Type II
B00065	Alcohol - Denatured, Ethyl (Ethanol)	AMS 3002 (Supersedes O-A-396)
G01498	Thread - Fiberglass - 11002 BC18 PTFE Coating	BAC5437

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Reference	Description	Specification
G02163	Sheet - Fire Resistant Glass Fiber Reinforced Phenolic Laminate Cargo Liner	BMS8-223
G50740	Kit - Akro Fireguard AF 450 Soft Liner Repair Kit	

D. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
123	Forward Cargo Compartment - Left
124	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

E. Prepare for the Repair

SUBTASK 50-10-01-010-004

- (1) If necessary, open the cargo door.
 - (a) To open the cargo door do the applicable task in this procedure: CARGO DOOR - MAINTENANCE PRACTICES, PAGEBLOCK 52-31-00/201.

SUBTASK 50-10-01-210-008

- (2) Do a visual check to make sure that the liner fasteners do not touch any adjacent systems behind the liners and that the liners do not sag.
 - (a) If the liner fasteners touch any adjacent system behind the liner or if the liner sags, do the applicable step to replace the liner:
 - 1) These are the tasks:
 - Cargo Compartment Sidewall Liners Removal, TASK 50-10-02-000-801
 - Cargo Compartment Ceiling Liner Removal, TASK 50-10-03-000-801
 - Forward Cargo Compartment Forward Bulkhead Liner Removal, TASK 50-11-01-000-801
 - Forward Cargo Compartment Aft Bulkhead Liner Removal, TASK 50-11-02-000-801
 - Aft Cargo Compartment Forward Bulkhead Liner Removal, TASK 50-12-01-000-801
 - Aft Cargo Compartment Aft Bulkhead Liner Removal, TASK 50-12-02-000-801

F. Repair of the Neoprene-coated Liners with Mechanical Fasteners

SUBTASK 50-10-01-020-001

- (1) Remove the fasteners that attach the liner to the structure.

SUBTASK 50-10-01-020-002

- (2) To remove the liner do the applicable task:
 - (a) Do this task: Cargo Compartment Sidewall Liners Removal, TASK 50-10-02-000-801
 - (b) Do this task: Cargo Compartment Ceiling Liner Removal, TASK 50-10-03-000-801
 - (c) Do this task: Forward Cargo Compartment Forward Bulkhead Liner Removal, TASK 50-11-01-000-801
 - (d) Do this task: Forward Cargo Compartment Aft Bulkhead Liner Removal, TASK 50-11-02-000-801

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- (e) Do this task: Aft Cargo Compartment Forward Bulkhead Liner Removal, TASK 50-12-01-000-801
- (f) Do this task: Aft Cargo Compartment Aft Bulkhead Liner Removal, TASK 50-12-02-000-801

SUBTASK 50-10-01-340-032

- (3) Make two fiberglass sheet, G02163, patches.

NOTE: The patch should make a minimum of a 2.0 in. (5.08 cm) overlap on the area that is not damaged. For example, the patch dimension that is necessary for a 1.5 in. (3.81 cm) diameter hole would be a 5.5 in. (13.97 cm) diameter.

SUBTASK 50-10-01-340-033

- (4) Clean all of the surfaces using alcohol, B00065, to remove the loose particles.

SUBTASK 50-10-01-340-034

- (5) Apply adhesive, A00016 or adhesive, A50144, to the back of the fiberglass patches.

SUBTASK 50-10-01-340-035

- (6) Put the fiberglass patches over the center of the damaged area on the front and the back of the liner.

SUBTASK 50-10-01-340-036

- (7) Apply pressure to the fiberglass patches to make sure that there is a good bond.

NOTE: The patch has a smooth surface when there is a good, continuous bond.

SUBTASK 50-10-01-340-037

- (8) Do the steps that follow to permanently attach the fiberglass patches:
 - (a) Install bolts, NAS603-5P or equivalent, washers, AN960JD10L, and nuts, MS21042L3, at a maximum of 2.0 in. (5.08 cm) apart and 0.5 in. (1.27 cm) from the edges of the fiberglass patches.
 - (b) Make sure that there is sufficient clearance between the bolts and the adjacent systems behind the panel.
 - (c) Grind or cut the ends of the bolts smooth with the nuts to get sufficient clearance.

SUBTASK 50-10-01-420-004

- (9) To install the liner, do the applicable task:
 - (a) Do this task: Cargo Compartment Sidewall Liners Installation, TASK 50-10-02-400-801
 - (b) Do this task: Cargo Compartment Ceiling Liner Installation, TASK 50-10-03-400-801
 - (c) Do this task: Forward Cargo Compartment Forward Bulkhead Liner Installation, TASK 50-11-01-400-801
 - (d) Do this task: Forward Cargo Compartment Aft Bulkhead Liner Installation, TASK 50-11-02-400-801
 - (e) Do this task: Aft Cargo Compartment Forward Bulkhead Liner Installation, TASK 50-12-01-400-801
 - (f) Do this task: Aft Cargo Compartment Aft Bulkhead Liner Installation, TASK 50-12-02-400-801

SUBTASK 50-10-01-900-001

- (10) Replace the damaged panel if sufficient clearance is still not obtained.

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G. Repair of the Neoprene-coated Fabric with Fiberglass Thread

SUBTASK 50-10-01-020-003

- (1) Remove the fasteners that attach the liner to the structure.

SUBTASK 50-10-01-020-004

- (2) To remove the liner, do the applicable task:
- (a) Do this task: Cargo Compartment Sidewall Liners Removal, TASK 50-10-02-000-801
 - (b) Do this task: Cargo Compartment Ceiling Liner Removal, TASK 50-10-03-000-801
 - (c) Do this task: Forward Cargo Compartment Forward Bulkhead Liner Removal, TASK 50-11-01-000-801
 - (d) Do this task: Forward Cargo Compartment Aft Bulkhead Liner Removal, TASK 50-11-02-000-801
 - (e) Do this task: Aft Cargo Compartment Forward Bulkhead Liner Removal, TASK 50-12-01-000-801
 - (f) Do this task: Aft Cargo Compartment Aft Bulkhead Liner Removal, TASK 50-12-02-000-801

SUBTASK 50-10-01-340-038

- (3) Make a fiberglass sheet, G02163, patch.

NOTE: The patch should make a minimum of a 2.0 in. (5.08 cm) overlap on the area that is not damaged. For example, the patch dimension that is necessary for a 1.5 in. (3.81 cm) diameter hole would be a 5.5 in. (13.97 cm) diameter.

SUBTASK 50-10-01-340-039

- (4) Clean all of the surfaces using alcohol, B00065, to remove the loose particles.

SUBTASK 50-10-01-340-040

- (5) Apply adhesive, A00016 or adhesive, A50144, to the back of the patch.

SUBTASK 50-10-01-400-002

- (6) Put the patch over the center of the damaged area on the front of the liner.

SUBTASK 50-10-01-340-041

- (7) Apply pressure to the patch to make sure that there is a good bond.

NOTE: The patch has a smooth surface when there is a good, continuous bond.

SUBTASK 50-10-01-340-042

- (8) Use fiberglass thread, G01498, to stitch two lines around the edge of the patch.

NOTE: There should be seven, plus or minus one, stitches for each inch.

SUBTASK 50-10-01-420-005



SEAL THE CARGO COMPARTMENT WITH THE LINING. OBEY THE INSTRUCTIONS IN THE SPECIFIED PROCEDURE WHEN YOU INSTALL THE LINING. IF YOU INSTALL THE LINING INCORRECTLY, THE FIRE EXTINGUISHING AGENT OR SMOKE CAN CAUSE INJURIES.

- (9) To install the liner, do the applicable task:
- (a) Do this task: Cargo Compartment Sidewall Liners Installation, TASK 50-10-02-400-801
 - (b) Do this task: Cargo Compartment Ceiling Liner Installation, TASK 50-10-03-400-801
 - (c) Do this task: Forward Cargo Compartment Forward Bulkhead Liner Installation, TASK 50-11-01-400-801

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- (d) Do this task: Forward Cargo Compartment Aft Bulkhead Liner Installation, TASK 50-11-02-400-801
- (e) Do this task: Aft Cargo Compartment Forward Bulkhead Liner Installation, TASK 50-12-01-400-801
- (f) Do this task: Aft Cargo Compartment Aft Bulkhead Liner Installation, TASK 50-12-02-400-801

H. The Akro Fireguard System

SUBTASK 50-10-01-300-006

- (1) Refer to the Akro Fireguard AF 450 Soft Liner Kit, G50740, instructions for the steps to apply this repair.

NOTE: The patch must make a minimum overlap of 2.0 in. (5.08 cm) on the area that is not damaged. For example, the minimum patch dimension that is necessary for a 1.5 in. (3.81 cm) diameter hole would be 5.5 in. (13.97 cm) diameter.

————— **END OF TASK** —————

TASK 50-10-01-300-806

7. Silicone Impregnated Liner Repair

A. General

- (1) This task is for the repair of silicone impregnated fabric which is used as the cargo door liners.

B. Consumable Materials

Reference	Description	Specification
G01498	Thread - Fiberglass - 11002 BC18 PTFE Coating	BAC5437
G50591	Cloth - Silicone Coated Fiberglass (Bisco HT-101)	

C. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
123	Forward Cargo Compartment - Left
124	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. Repair the Silicone Impregnated Liner

SUBTASK 50-10-01-300-007

- (1) Use fiberglass thread, G01498 to stitch the tear together or stitch a patch of Bisco HT-101 cloth, G50591 on the damage.

NOTE: There should be seven, plus or minus one, stitches for each inch and a minimum material overlap of 1 in. (2.54 cm).

————— **END OF TASK** —————

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CARGO COMPARTMENT SIDEWALL LINERS - REMOVAL/INSTALLATION

1. General

- A. This procedure has these tasks:
- (1) A removal of the cargo compartment sidewall liners
 - (2) An installation of the cargo compartment sidewall liners.

TASK 50-10-02-000-801

2. Cargo Compartment Sidewall Liners Removal

(Figure 401)

A. General

- (1) This task is for the removal of the cargo compartment sidewall liners.

B. References

Reference	Title
50-11-02-000-801	Forward Cargo Compartment Aft Bulkhead Liner Removal (P/B 401)
50-12-02-000-801	Aft Cargo Compartment Aft Bulkhead Liner Removal (P/B 401)

C. Consumable Materials

Reference	Description	Specification
G02304	Tape - Moisture Barrier, Adhesive One-side	BMS8-346
G50155	Tape - Carpet, Double-sided, 16 oz/sq. yd., White. Storage Life 18 Months.	BMS5-133 Type II Class 1
G50428	Tape - Nitto P-629 (Formerly Permacel) Cargo Pit Seam Tape	BMS5-146
G50788	Tape - Textile Hook And Loop Fasteners Tape (Polyester Hook & Polyester Loop)	BMS8-285 Type IV
G51436	Tape - Hook/Loop Fastener, Flame Propagation Resistant	BMS8-372 Type 1

D. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
125	Air Conditioning Distribution Bay - Left
126	Air Conditioning Distribution Bay - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right
145	Aft Cargo Compartment Equipment Bay - Left
146	Aft Cargo Compartment Equipment Bay - Right

E. Prepare for the Removal

SUBTASK 50-10-02-010-001

- (1) If it is necessary, remove the aft bulkhead liner to access the sidewall liner [1] (TASK 50-11-02-000-801 or TASK 50-12-02-000-801).

SUBTASK 50-10-02-160-002

- (2) If it is necessary, remove the fillet seal from the capstrip [3] to access the sidewall liner [1] adjacent to the cargo door structure.

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F. Cargo Compartment Sidewall Liners Removal

SUBTASK 50-10-02-020-001

- (1) Remove and discard Nitto P-629 tape, G50428, from the edges of the sidewall liner [1].

SIA 001-011

SUBTASK 50-10-02-020-005

- (2) Remove the screws [2] and capstrips [3].
 - (a) In the forward compartment, along the sidewall and ceiling interface, remove the screws [2] and washers [4] that attach the soft liner [5].

SIA 012-999

SUBTASK 50-10-02-020-006

- (3) Remove the screws [2] and capstrips [3].
 - (a) In the forward or aft compartment, along the sidewall and ceiling interface, remove the screws [2] that attach the sidewall liner [1] and soft liner [5].

NOTE: The ceiling lining has a soft lining attached to the outboard surface by 2-sided tape, G50155. The soft lining drapes behind the sidewall lining.

 - 1) If it is necessary, remove the soft liner [5] from the ceiling liner.
 - a) Discard tape, G50155.
 - (b) In the aft compartment, along the upper and lower sidewall interface on the left side, remove the screws [2] that attach the sidewall liners [1] and soft liner [5].

NOTE: The upper sidewall lining has a soft lining attached to the outboard surface by 2-sided tape, G50155. The soft lining drapes behind the lower sidewall lining.

 - 1) If it is necessary, remove the soft liner [5] from the upper sidewall liner.
 - a) Discard tape, G50155.

SIA ALL

SUBTASK 50-10-02-020-002

- (4) Remove and discard moisture barrier tape, G02304, from the edges of the liner that touch the floor panel.

SUBTASK 50-10-02-020-004

- (5) Pull the sidewall liner [1] from the structure.

NOTE: The liner is attached in some locations with hook and loop fastener tape, G50788, or tape, G51436.

————— END OF TASK —————

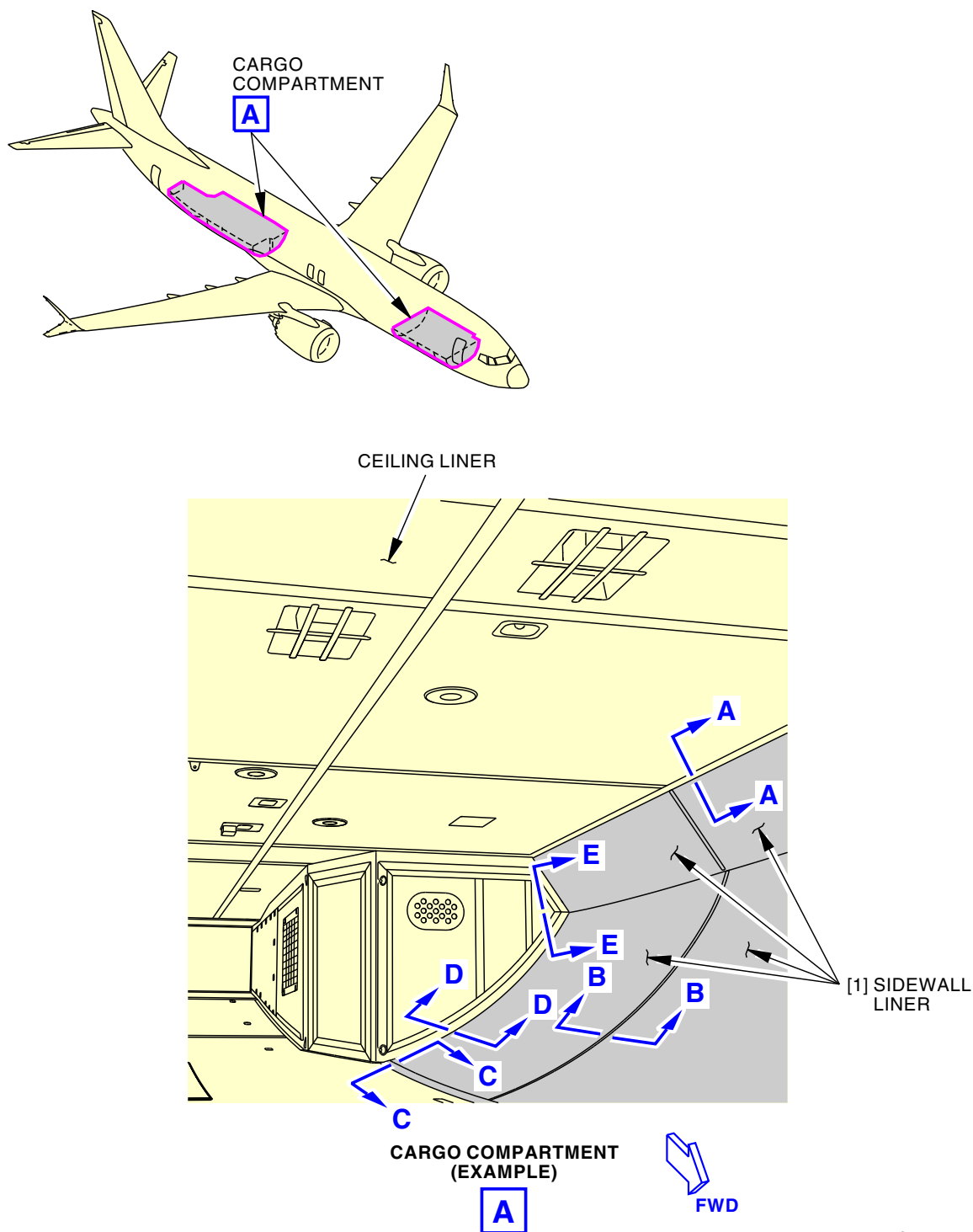
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2411950 S00061529578_V3

Cargo Compartment Sidewall Liners Installation
Figure 401/50-10-02-990-802 (Sheet 1 of 5)

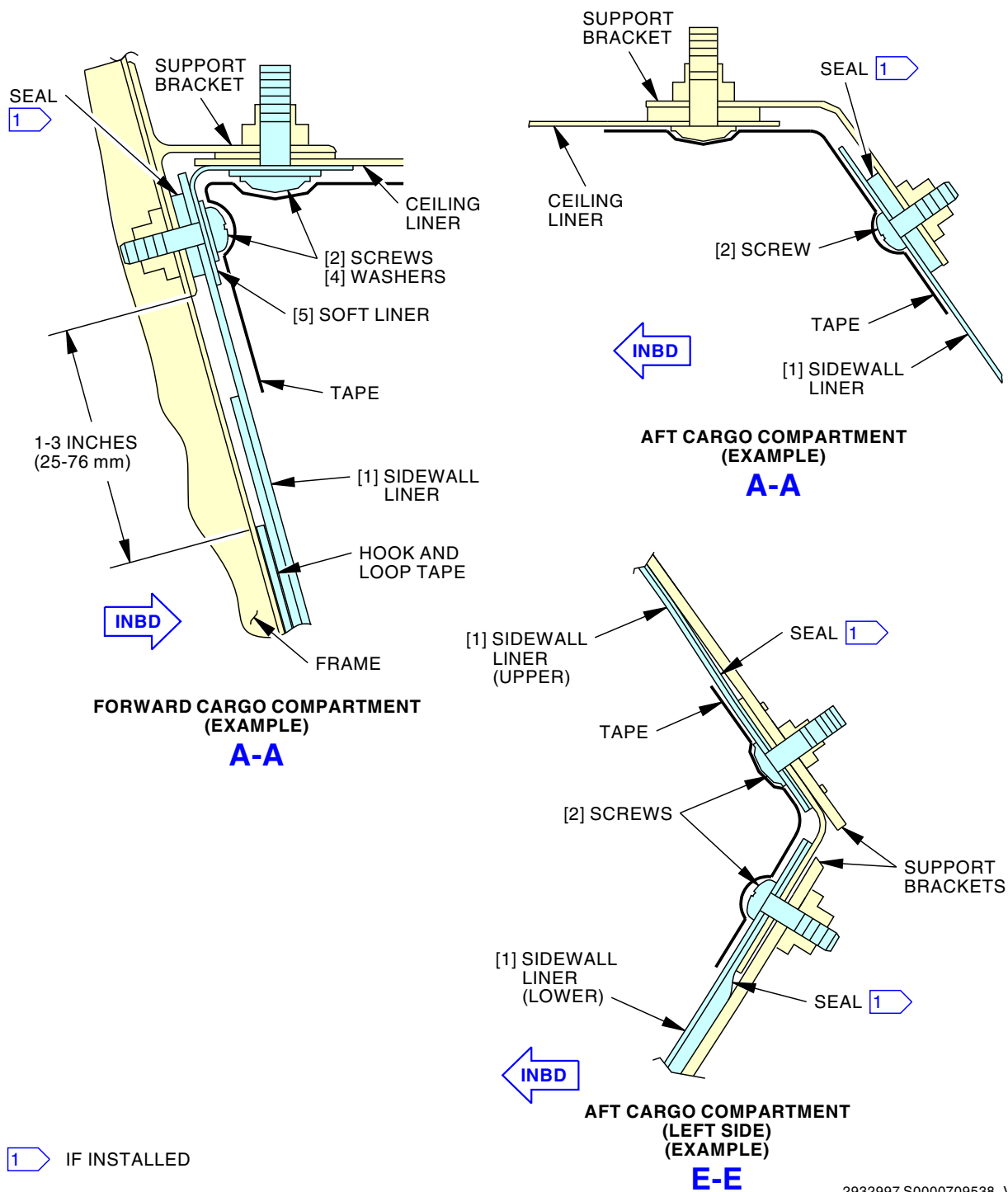
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2932997 S0000709538_V2

Cargo Compartment Sidewall Liners Installation
Figure 401/50-10-02-990-802 (Sheet 2 of 5)

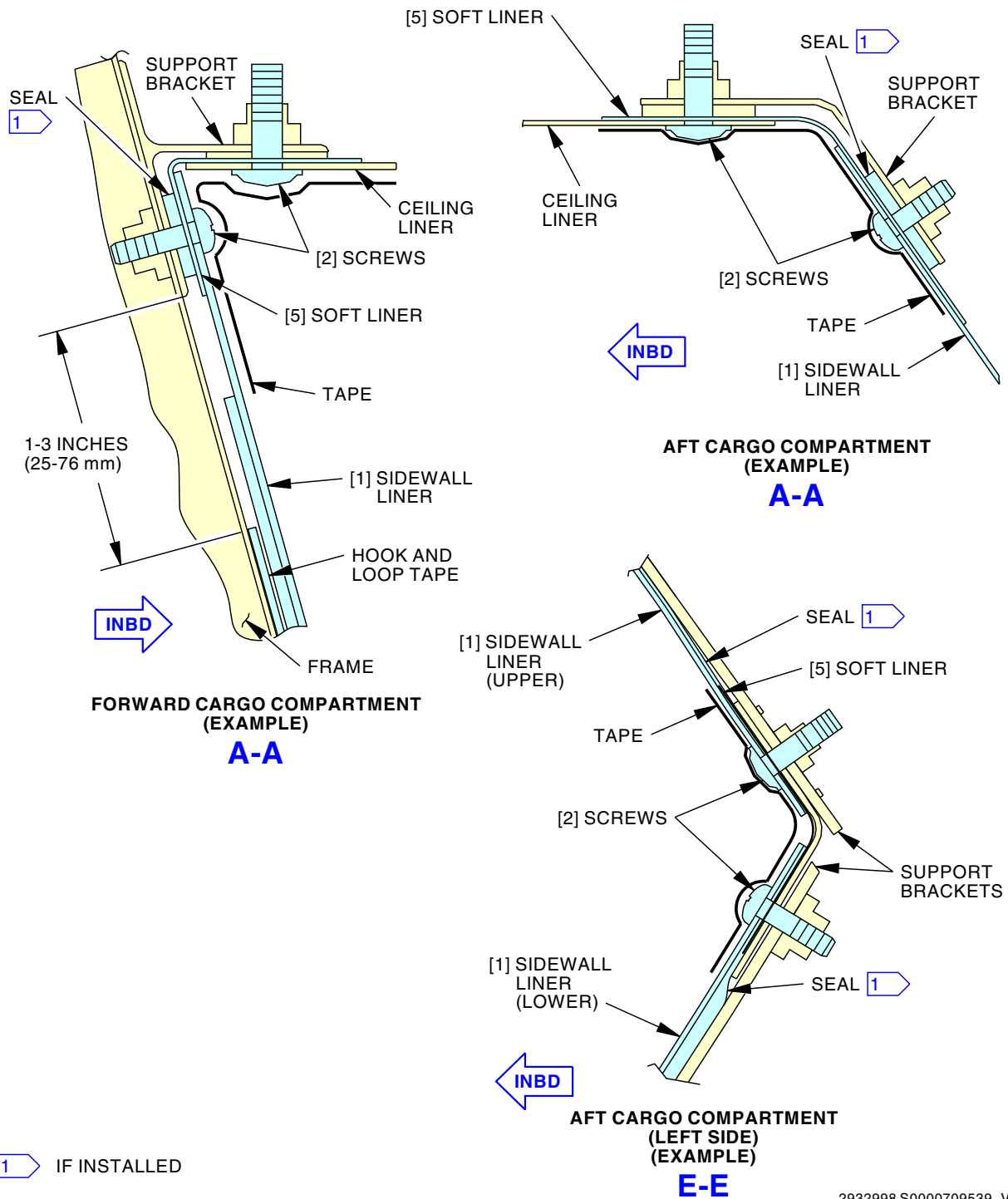
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SIA 001-011

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2932998 S0000709539_V2

Cargo Compartment Sidewall Liners Installation
Figure 401/50-10-02-990-802 (Sheet 3 of 5)

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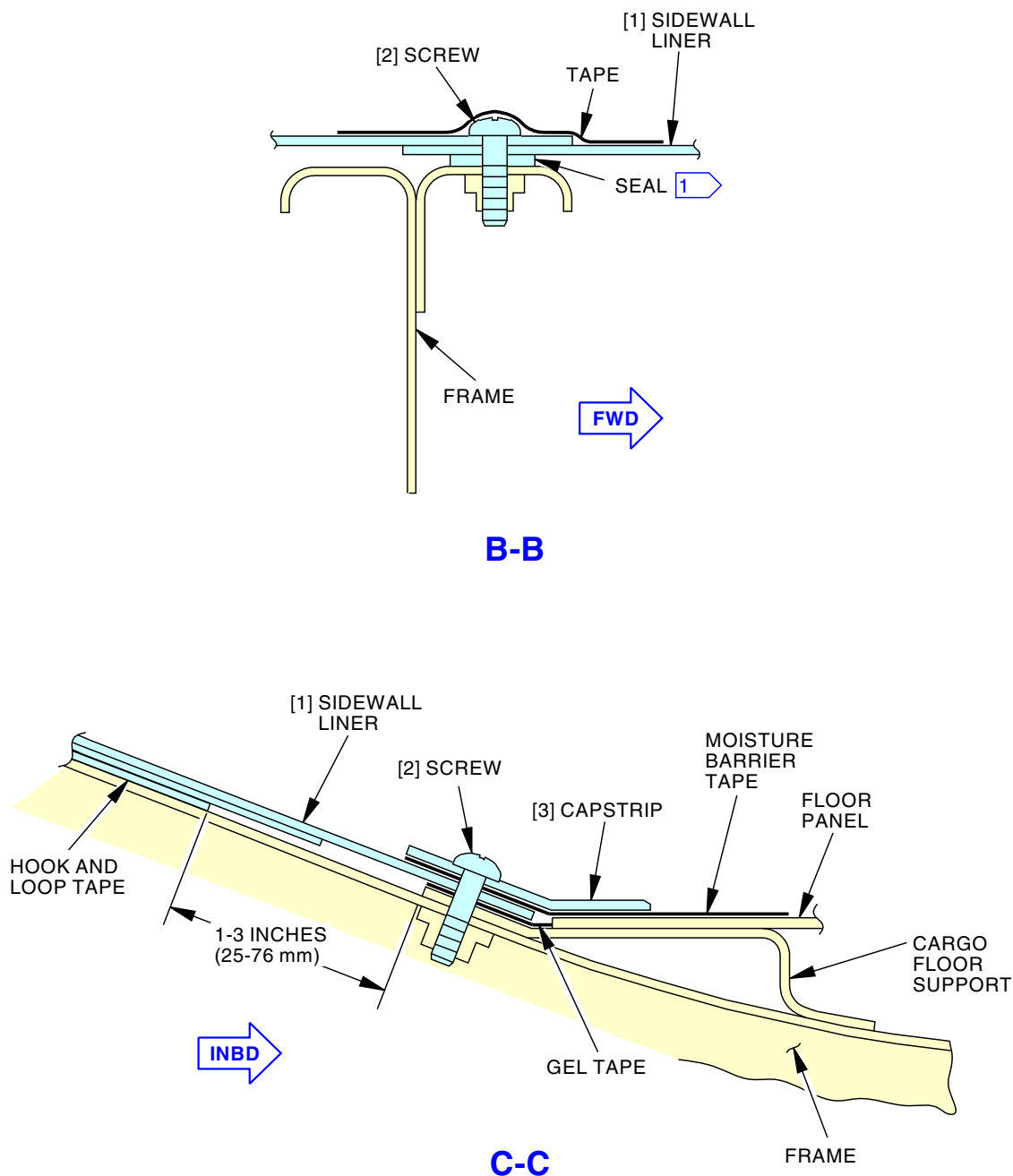
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1 IF INSTALLED

2411951 S00061529579_V3

Cargo Compartment Sidewall Liners Installation
Figure 401/50-10-02-990-802 (Sheet 4 of 5)

EFFECTIVITY
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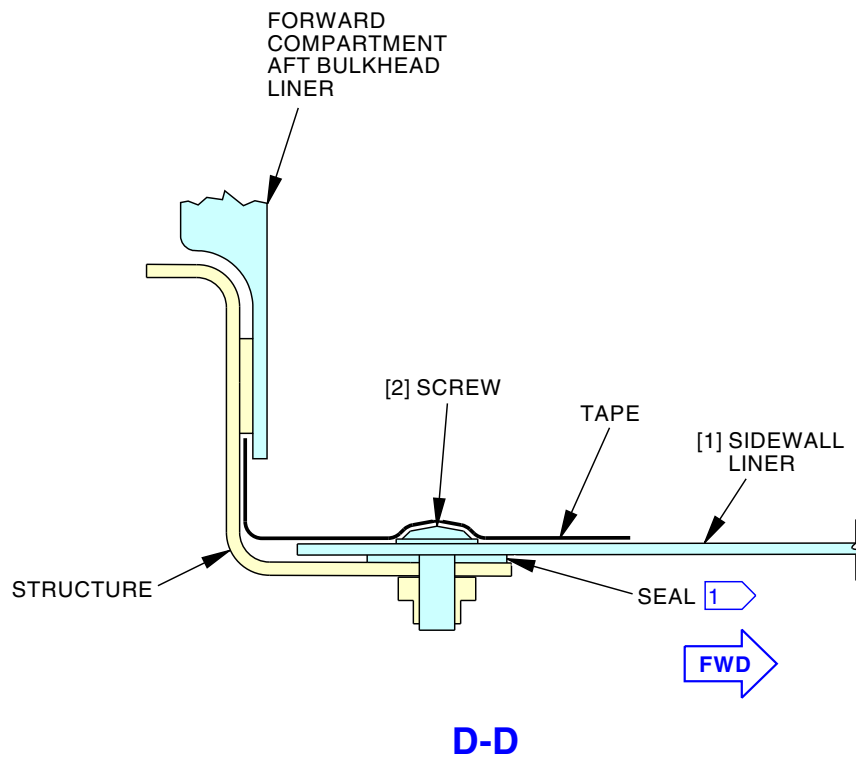
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1 IF INSTALLED

2411952 S00061529580_V3

Cargo Compartment Sidewall Liners Installation
Figure 401/50-10-02-990-802 (Sheet 5 of 5)

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TASK 50-10-02-400-801

3. Cargo Compartment Sidewall Liners Installation

(Figure 401)

A. General

- (1) This task is for the installation of the cargo compartment sidewall liners.
- (2) You can make replacement liners to pattern. Use the old liner as a template for the replacement liner. Use an approved liner material that meets requirements of fabric, G00088, and sheet, G02163. Make the replacement liners of the same type/gauge as the liner that will be removed.

B. References

Reference	Title
50-11-02-400-801	Forward Cargo Compartment Aft Bulkhead Liner Installation (P/B 401)
50-12-02-400-801	Aft Cargo Compartment Aft Bulkhead Liner Installation (P/B 401)
51-22-00-390-806	Fillet Seal Application (P/B 201)

C. Consumable Materials

Reference	Description	Specification
A50057	Adhesive - Silicone Rubber, RTV157	BAC5010 Type 60
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III
G00088	Fabric, General Purpose, Rigid, Fire Retarded, Glass Fabric Reinforced Plastic Sheeting	BMS8-2
G02163	Sheet - Fire Resistant Glass Fiber Reinforced Phenolic Laminate Cargo Liner	BMS8-223
G02304	Tape - Moisture Barrier, Adhesive One-side	BMS8-346
G50155	Tape - Carpet, Double-sided, 16 oz/sq. yd., White. Storage Life 18 Months.	BMS5-133 Type II Class 1
G50428	Tape - Nitto P-629 (Formerly Permacel) Cargo Pit Seam Tape	BMS5-146
G50532	Tape - Silicone, Foam	BMS1-68
G50734	Tape - Flame Retardant Hi-Tak (Av-DEC - HI-TAK HT3935-7FR-XXX)	
G50788	Tape - Textile Hook And Loop Fasteners Tape (Polyester Hook & Polyester Loop)	BMS8-285 Type IV
G51436	Tape - Hook/Loop Fastener, Flame Propagation Resistant	BMS8-372 Type 1

D. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Sidewall liner	50-10-02-01-030	SIA ALL
		50-10-02-01-045	SIA ALL
		50-10-02-01-060	SIA ALL
		50-10-02-01-075	SIA ALL
		50-10-02-05-030	SIA ALL
		50-10-02-05-045	SIA ALL

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(Continued)

AMM Item	Description	AIPC Reference	AIPC Effectivity
1 (cont.)		50-10-02-05-060	SIA ALL
		50-10-02-10-015	SIA 001-012
		50-10-02-10-030	SIA 001-012
		50-10-02-10-045	SIA 001-012
		50-10-02-10-060	SIA 001-012
		50-10-02-10-080	SIA 001-012
		50-10-02-10-095	SIA 001-012
		50-10-02-10-110	SIA 001-012
		50-10-02-10-125	SIA 001-012
		50-10-02-10B-025	SIA 013-999
		50-10-02-10B-040	SIA 013-999
		50-10-02-10B-055	SIA 013-999
		50-10-02-10B-070	SIA 013-999
		50-10-02-10B-085	SIA 013-999
		50-10-02-10B-100	SIA 013-999
		50-10-02-10B-115	SIA 013-999
		50-10-02-10B-130	SIA 013-999
		50-10-02-30-025	SIA 001-012
		50-10-02-30-040	SIA 001-012
		50-10-02-30-055	SIA 001-012
		50-10-02-30-070	SIA 001-012
		50-10-02-30-085	SIA 001-012
		50-10-02-30-100	SIA 001-012
		50-10-02-30A-030	SIA 013-999
		50-10-02-30A-045	SIA 013-999
		50-10-02-30A-060	SIA 013-999
		50-10-02-30A-075	SIA 013-999
		50-10-02-30A-090	SIA 013-999
		50-10-02-30A-105	SIA 013-999
5	Soft liner	50-10-51-30-020	SIA 001-011
		50-10-51-30-025	SIA 001-011
		50-10-51-30-030	SIA 001-011
		50-10-51-30-035	SIA 001-011
		50-10-51-30-040	SIA 001-011
		50-10-51-30-045	SIA 001-011
		50-10-51-30-050	SIA 001-011
		50-10-51-30-055	SIA 001-011
		50-10-51-30-060	SIA 001-011

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E. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
125	Air Conditioning Distribution Bay - Left
126	Air Conditioning Distribution Bay - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right
145	Aft Cargo Compartment Equipment Bay - Left
146	Aft Cargo Compartment Equipment Bay - Right

F. Cargo Compartment Sidewall Liners Installation

SUBTASK 50-10-02-210-001

- (1) Examine the seal (tape, G50532) between the liner and support structure.

SIA 001-014

NOTE: The seal is installed on the edges of the sidewall liners adjacent to the bulkhead liners.

SIA ALL

SUBTASK 50-10-02-960-001

- (2) If it is necessary, replace the seal (tape, G50532).
 - (a) Make a hole through the seal at the nutplate locations on the support structure.
 - (b) Trim as necessary to align to the liner contour.
 - (c) Butt-joint seals for minimum air leakage.

SUBTASK 50-10-02-210-003

- (3) Examine hook and loop fastener tape, G50788 (preferred), or tape, G51436 (alternate), that holds the sidewall liner [1].

NOTE: The hook and loop tape loops are on the panel and frames.

- (a) If it is necessary, replace hook and loop fastener tape, G50788 (preferred), or tape, G51436 (alternate).

SUBTASK 50-10-02-210-002

- (4) Examine the fastener holes on the sidewall liner [1].
 - (a) Fastener hole elongation (eyebrow condition) is acceptable if the maximum size of the uncovered fastener hole is not over 0.15 in. (0.38 cm) and minimum edge margin of 1.5 times hole diameter is maintained.
 - (b) For holes at an overlap joint, only one of two liners can have an elongated hole.

SUBTASK 50-10-02-430-001

- (5) If it is necessary, apply HI-TAK Tape, G50734, on the floor structure under the sidewall liner [1].

SUBTASK 50-10-02-420-002

- (6) Put the sidewall liner [1] in its position.

SUBTASK 50-10-02-420-003

- (7) Apply moisture barrier tape, G02304, over the panel edge that is on the floor structure.

NOTE: One continuous strip is preferred.

- (a) Use the capstrip [3] to mark the position of the tape.

EFFECTIVITY
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- (b) If there is a join in the tape, make sure that the join has a minimum 2 in. (5 cm) and maximum 6 in. (15 cm) overlap.
- (c) Do not join or overlap the moisture barrier tape within 6 in. (15 cm) of all capstrip [3] splice plates.

SIA 001-011

SUBTASK 50-10-02-420-005

- (8) If applicable, do these steps to attach the soft liner [5]:
 - (a) In the forward compartment, along the sidewall and ceiling interface, align the holes on the soft liner [5] to the inboard side of the liners.
 - (b) Install the screws [2] and washers [4] to attach the soft liner [5].

SIA 012-999

SUBTASK 50-10-02-420-007

- (9) If applicable, do these steps to attach the soft liner [5]:
 - (a) In the forward or aft compartment, along the sidewall and ceiling interface, clean the tape areas on the ceiling and soft liner [5] with solvent, B00083.
 - 1) Install 2-sided tape, G50155 to the outboard side of the ceiling liner.
 - a) Align the tape 0.6425 +0.1000 / -0.0000 in. (1.6319 +0.2540 / -0.0000 cm) from the interface edge of the ceiling liner.
 - b) Make sure that the tape does not block the fastener holes.
 - 2) Remove the protective lining from 2-sided tape, G50155.
 - 3) Put the soft liner [5] in its position.
 - 4) If applicable, drape the soft liner [5] behind the sidewall liner [1].
 - 5) Align the holes on the soft liner [5] with the fastener holes on the liner.
 - a) For a new soft liner [5], make a fastener hole through the soft liner [5].
 - 6) Install the screws [2] to attach the soft liner [5] and sidewall liner [1].
 - (b) In the aft compartment, along the upper and lower sidewall interface on the left side, clean the tape areas on the upper sidewall liner and soft liner with solvent, B00083.
 - 1) Install 2-sided tape, G50155 to the outboard side of the upper liner.
 - a) Align the tape 0.6425 +0.1000 / -0.0000 in. (1.6319 +0.2540 / -0.0000 cm) from the interface edge of the upper liner.
 - b) Make sure that the tape does not block the fastener holes.
 - 2) Remove the protective lining from 2-sided tape, G50155.
 - 3) Put the soft liner [5] in its position.
 - 4) If applicable, drape the soft liner [5] behind the lower sidewall liner [1].
 - 5) Align the holes on the soft liner [5] with the fastener holes on the liner.
 - a) For a new soft liner [5], make a fastener hole through the soft liner [5].
 - 6) Install the screws [2] to attach the soft liner [5] and sidewall liner [1].

SIA ALL

SUBTASK 50-10-02-420-004

- (10) Install the capstrips [3] and screws [2].

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SUBTASK 50-10-02-420-006

- (11) Tighten the screws [2] to 25.0 $\pm$ 2.5 in-lb (3 $\pm$ 0 N·m).

SUBTASK 50-10-02-110-001



DO NOT LET THE SOLVENT TOUCH PLASTICS, CONTROL CABLES, LUBRICATED AREAS, PLASTIC DECALS, OR PAINTED AREAS OR MARKINGS THAT ARE NOT SKYDROL RESISTANT. THE SOLVENT WILL CAUSE DAMAGE TO THESE ITEMS.

- (12) Clean the areas where the tape will be applied with solvent, B00083.

SUBTASK 50-10-02-390-001

- (13) If it is necessary, fillet seal (RTV157 adhesive, A50057) the capstrip [3] edge adjacent to the cargo door structure (TASK 51-22-00-390-806).

SUBTASK 50-10-02-160-001



DO NOT PUT TAPE ON THE SMOKE DETECTOR TUBES OR THE FIRE EXTINGUISHER OUTLET TUBES. THE SMOKE DETECTOR AND THE FIRE EXTINGUISHER SYSTEM WILL NOT SENSE A FIRE IF THERE IS TAPE ON THE TUBE OR OUTLETS. THIS CAN CAUSE INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT.

- (14) Apply new Nitto P-629 tape, G50428, to all the joints, overlaps, and fasteners.

- (a) Apply the tape with the minimum number of joints in it.
- (b) Do not apply tape between the sidewall liner [1] and aft bulkhead liner.

NOTE: The tape at this joint should go from the sidewall liner to the structure behind the bulkhead liner. It is necessary to remove the bulkhead liner to apply tape to this joint. In both the forward and aft cargo compartments, the aft bulkhead does not need tape applied to its joints.

- (c) Make sure that the tape is within shelf life limits for optimum tape adhesion.
- (d) Where possible, apply the tape to warm surfaces that are approximately 60°F (16°C) or higher, to help promote good adhesion.
- (e) If it is necessary to use short pieces of Nitto P-629 tape, G50428, make a minimum overlap of 0.5 in. (12.7 mm).
- (f) Push Nitto P-629 tape, G50428, firmly to make sure that there is a good bond.

NOTE: There is a good bond if the surface of the tape is smooth and does not have air bubbles.

G. Put the Airplane Back to Its Usual Condition

SUBTASK 50-10-02-410-001

- (1) If removed, install the aft bulkhead liner (TASK 50-11-02-400-801 or TASK 50-12-02-400-801).

————— **END OF TASK** —————

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CARGO COMPARTMENT CEILING LINER - REMOVAL/INSTALLATION

1. **General**

A. This procedure has these tasks:

- (1) A removal of the cargo compartment ceiling liner
- (2) An installation of the cargo compartment ceiling liner.

TASK 50-10-03-000-801

2. **Cargo Compartment Ceiling Liner Removal**

(Figure 401)

A. **General**

- (1) This task is for the removal of the cargo compartment ceiling liner.

B. **References**

Reference	Title
21-32-05-000-801	Ceiling Blowout Panel Removal (P/B 401)

C. **Location Zones**

Zone	Area
100	Lower Half of Fuselage
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. **Prepare for the Removal**

SUBTASK 50-10-03-020-001

- (1) Remove and discard the tape from around the edges of the liner.

SUBTASK 50-10-03-020-002

- (2) Do this task: Ceiling Blowout Panel Removal, TASK 21-32-05-000-801.

E. **Cargo Compartment Ceiling Liner Removal**

SUBTASK 50-10-03-020-003

- (1) Do the steps that follow to remove the ceiling liner [1]:
 - (a) Remove the screws [7] that attach the net fitting shroud [6] to the ceiling liner [1].
 - 1) Remove the net fitting shroud [6].
 - (b) Remove the screws [4] that attach the ring [5] for the ceiling light [3] to the ceiling liner [1].
 - 1) Remove the ring [5].
 - (c) Remove the screws [9] that attach the retainer [8] for the fire extinguishing nozzle to the ceiling liner [1].
 - 1) Remove the retainer [8].
 - (d) Remove the screws that attach the smoke detector shroud to the ceiling liner [1] and remove the guard.

SIA 001-011

SUBTASK 50-10-03-020-004

- (2) Remove the screws [11] that hold the ceiling liner [1] to the support structure.

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SIA 001-011 (Continued)

- (a) In the forward compartment, along the sidewall and ceiling interface remove the screws [11] and washers [12] that attach the soft liner [10].
- (b) In the aft compartment, along the e/e rack or waste compartment, remove the screws [11] that attach the soft liner [10].
 - 1) If it is necessary, loosen the 1/4-turn fasteners on the access panels to remove the soft liner [10].
 - 2) The soft liner [10] is attached with 2-sided tape to the structure.

SIA 012-999

SUBTASK 50-10-03-020-007

- (3) Remove the screws [11] that hold the ceiling liner [1] to the support structure.
 - (a) In the forward or aft compartment, along the sidewall and ceiling interface remove the screws [11] that attach the ceiling liner [1] and soft liner [10].
 - 1) The ceiling lining has a soft lining attached to the outboard surface by 2-sided tape. The soft lining drapes behind the sidewall lining.
 - 2) If it is necessary, remove the soft liner [10] from the ceiling liner [1].
 - a) Discard the tape.
 - (b) In the aft compartment, do these steps:
 - 1) Along the e/e rack or waste compartment, remove the screws [11] that attach the ceiling liner [1] and soft liner [10].
 - a) If it is necessary, loosen the 1/4-turn fasteners on the access panels to remove the panels.
 - b) The soft liner [10] is attached with 2-sided tape to the structure.
 - c) If it is necessary, remove the soft liner [10].
 - <1> Discard the tape.

SIA ALL

SUBTASK 50-10-03-020-005

- (4) Carefully move apart the hook and loop fastener tape from the upper surface of the ceiling liner [1].

SUBTASK 50-10-03-020-006

- (5) Remove the ceiling liner [1].

———— **END OF TASK** ————

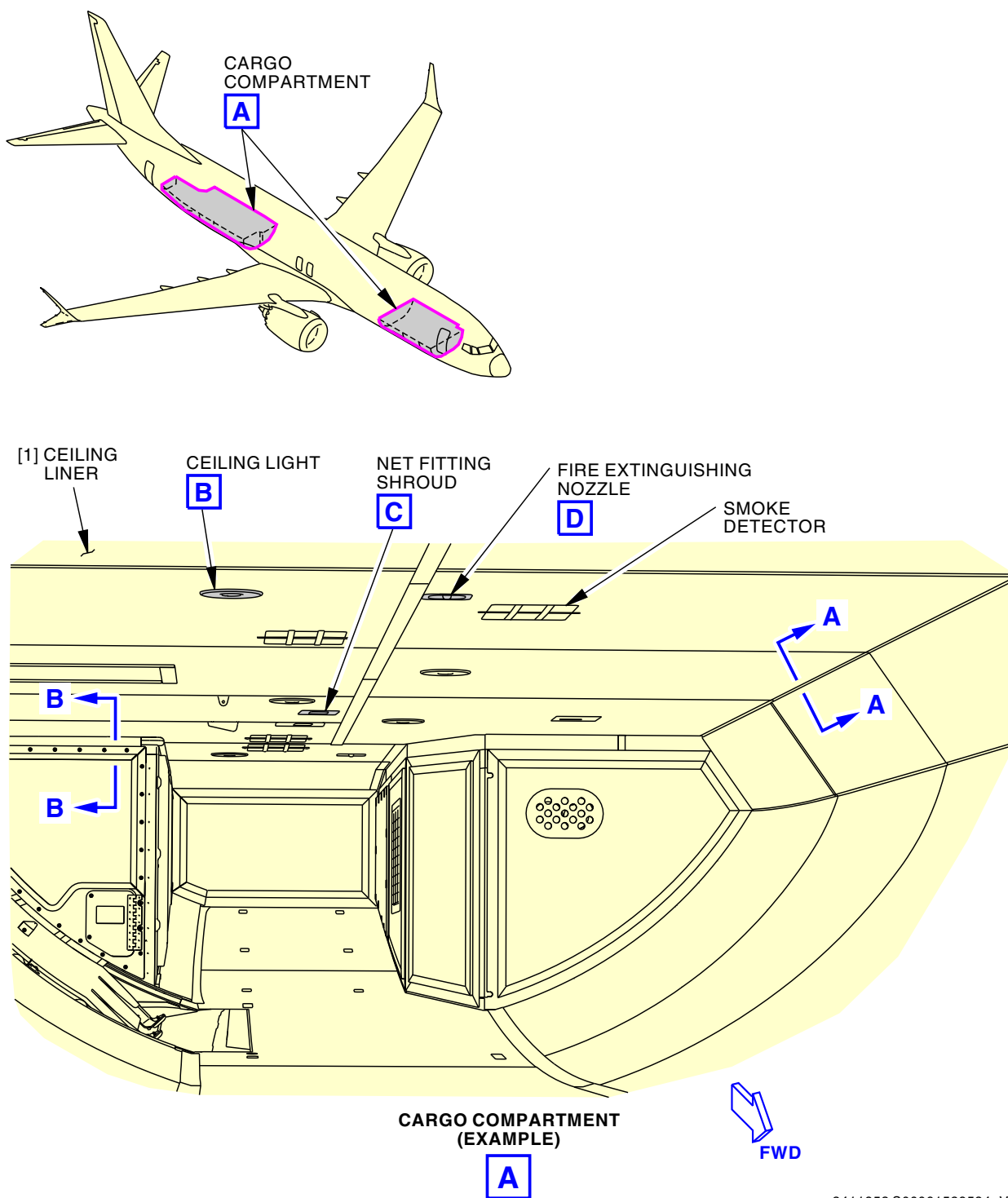
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Cargo Compartment Ceiling Liner Installation
Figure 401/50-10-03-990-801 (Sheet 1 of 4)

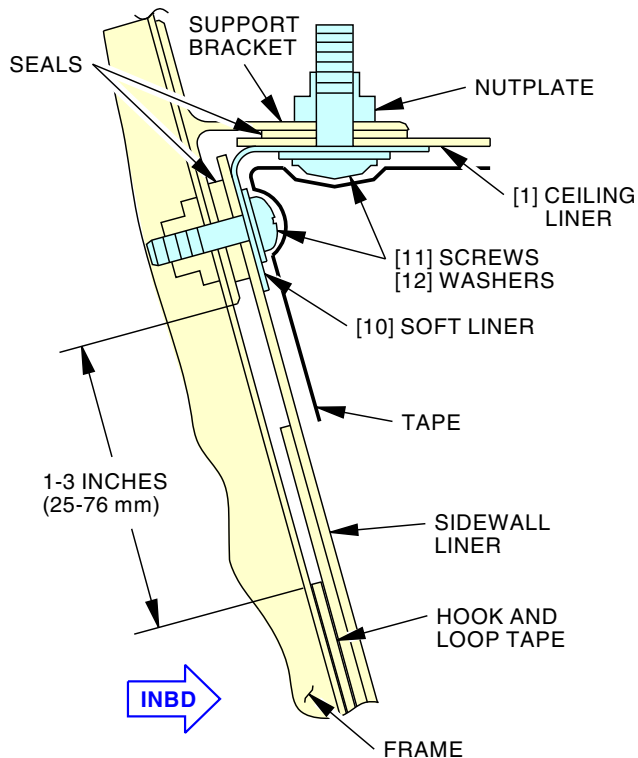
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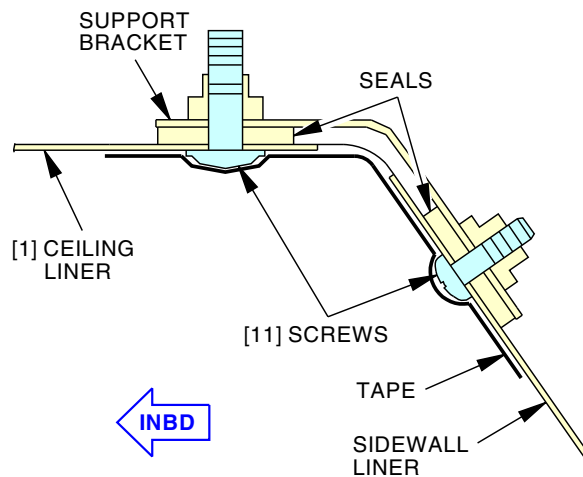
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FORWARD CARGO COMPARTMENT
(EXAMPLE)

A-A



AFT CARGO COMPARTMENT
(EXAMPLE)

A-A

2932999 S0000709173_V1

Cargo Compartment Ceiling Liner Installation
Figure 401/50-10-03-990-801 (Sheet 2 of 4)

EFFECTIVITY
SIA 001-011

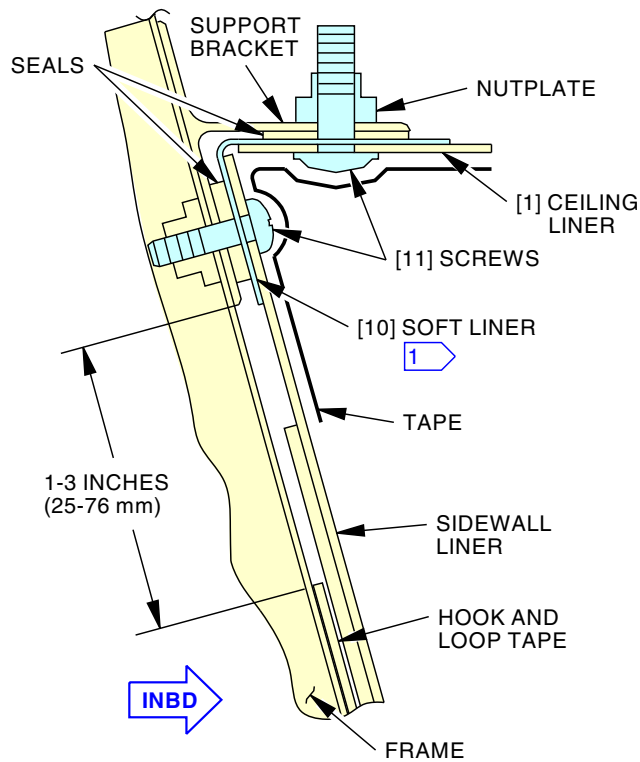
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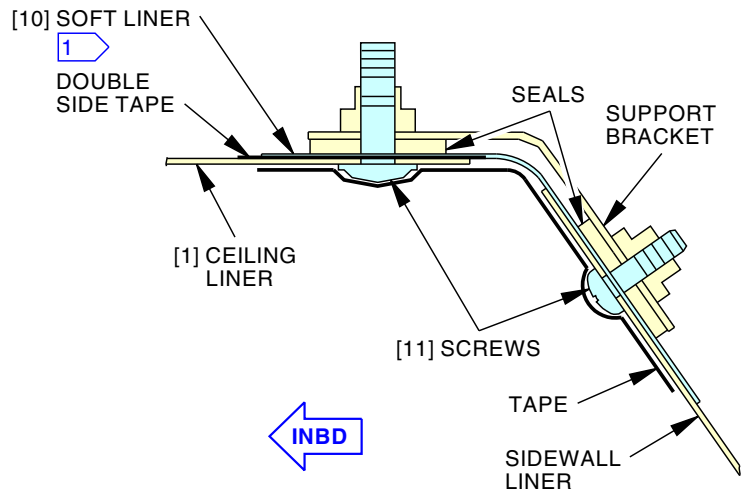
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**FORWARD CARGO COMPARTMENT
(EXAMPLE)**

A-A



**AFT CARGO COMPARTMENT
(EXAMPLE)**

A-A

1 THE SOFT LINER IS ATTACHED TO THE OUTBOARD SURFACE OF THE UPPER LINER BY TWO SIDED TAPE. THE SOFT LINER DRAPES BEHIND THE LOWER SIDEWALL LINER.

29333000 S0000709180_V1

**Cargo Compartment Ceiling Liner Installation
Figure 401/50-10-03-990-801 (Sheet 3 of 4)**

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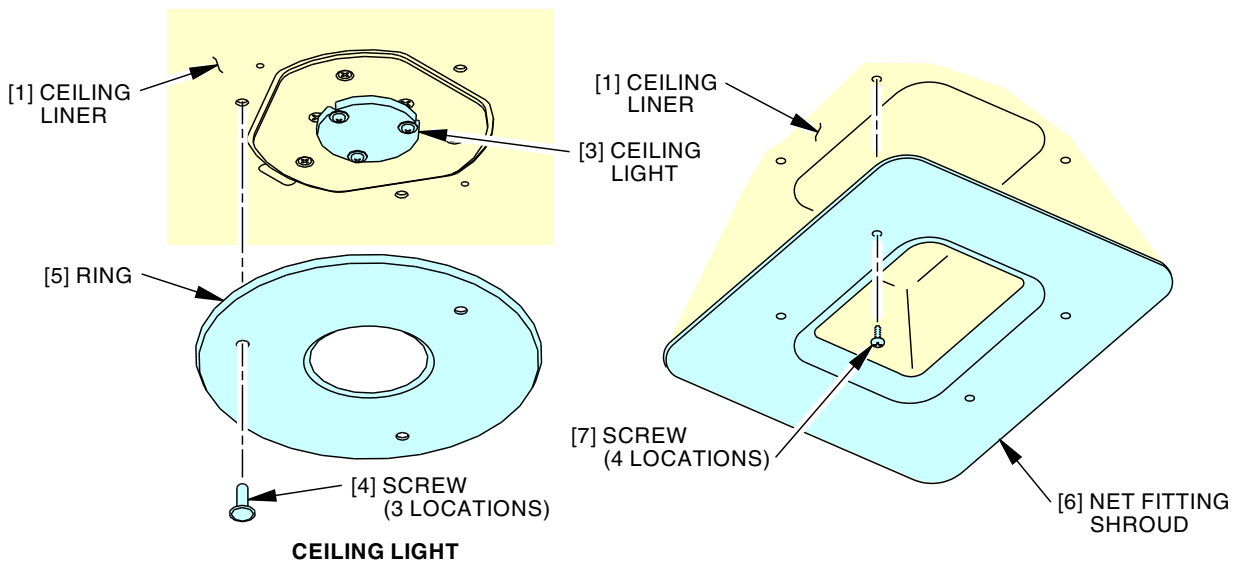
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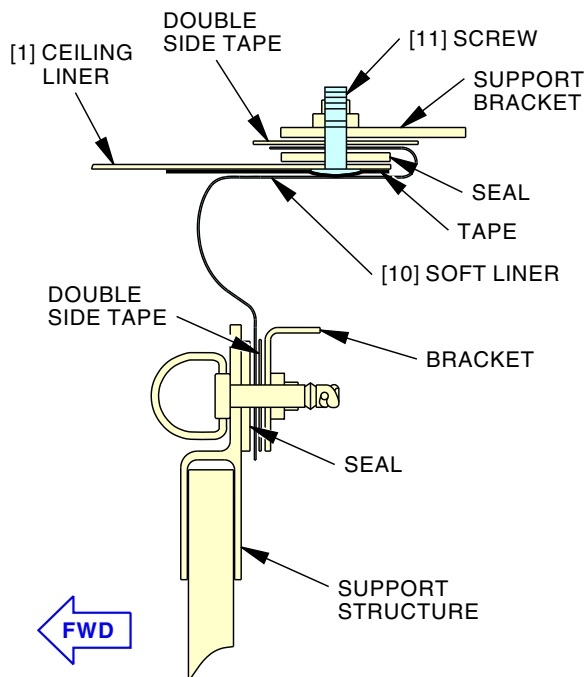


CEILING LIGHT

B

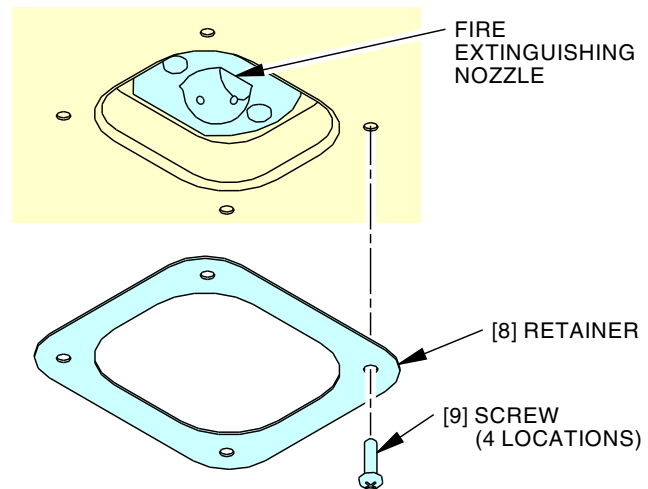
NET FITTING SHROUD

C



EE RACK AND WASTE TANK ENCLOSURE
(AFT CARGO COMPARTMENT)
(EXAMPLE)

B-B



FIRE EXTINGUISHING NOZZLE

D

2411954 S00061529585_V2

Cargo Compartment Ceiling Liner Installation
Figure 401/50-10-03-990-801 (Sheet 4 of 4)

EFFECTIVITY
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TASK 50-10-03-400-801

3. **Cargo Compartment Ceiling Liner Installation**

(Figure 401)

A. General

- (1) This task is for the installation of the cargo compartment ceiling liner.
- (2) You can make replacement liners to pattern. Use the old liner as a template for the replacement liner. Use an approved liner material that meets requirements of fabric, G00088, and sheet, G02163. Make the replacement liner of the same type/gauge as the liner that you will remove.
- (3) It is necessary to follow the step by step instructions in this task. This will minimize smoke out of the cargo compartment during a fire.

B. References

Reference	Title
21-32-05-400-801	Ceiling Blowout Panel Installation (P/B 401)

C. Consumable Materials

Reference	Description	Specification
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III
G00088	Fabric, General Purpose, Rigid, Fire Retarded, Glass Fabric Reinforced Plastic Sheeting	BMS8-2
G02163	Sheet - Fire Resistant Glass Fiber Reinforced Phenolic Laminate Cargo Liner	BMS8-223
G02361	Tape - Cargo Lining Joint Seal	BMS5-146
G50155	Tape - Carpet, Double-sided, 16 oz/sq. yd., White. Storage Life 18 Months.	BMS5-133 Type II Class 1
G50532	Tape - Silicone, Foam	BMS1-68
G50788	Tape - Textile Hook And Loop Fasteners Tape (Polyester Hook & Polyester Loop)	BMS8-285 Type IV
G51436	Tape - Hook/Loop Fastener, Flame Propagation Resistant	BMS8-372 Type 1

D. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Ceiling liner	50-10-03-01-075	SIA 001-011
		50-10-03-01-090	SIA 001-011
		50-10-03-01-105	SIA 001-011
		50-10-03-01-106	SIA 013-999
		50-10-03-01-120	SIA 001-011
		50-10-03-01-121	SIA 013-999
		50-10-03-21-190	SIA ALL
		50-10-03-21-205	SIA ALL
		50-10-03-21-220	SIA ALL
		50-10-03-21-235	SIA ALL
		50-10-03-21-250	SIA ALL
		50-10-03-21-265	SIA ALL

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(Continued)

AMM Item	Description	AIPC Reference	AIPC Effectivity
1 (cont.)		50-10-03-21-280	SIA ALL
		50-10-03-21-295	SIA ALL
		50-10-03-21-310	SIA ALL
		50-10-03-21-325	SIA ALL
		50-10-03-21-340	SIA ALL
10	Soft liner	50-10-03-21-030	SIA ALL
		50-10-51-30-020	SIA 001-011
		50-10-51-30-025	SIA 001-011
		50-10-51-30-030	SIA 001-011
		50-10-51-30-035	SIA 001-011
		50-10-51-30-040	SIA 001-011
		50-10-51-30-045	SIA 001-011
		50-10-51-30-050	SIA 001-011
		50-10-51-30-055	SIA 001-011
		50-10-51-30-060	SIA 001-011

E. Location Zones

Zone	Area
100	Lower Half of Fuselage
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

F. Cargo Compartment Ceiling Liner Installation

SUBTASK 50-10-03-210-001

- (1) Examine the seal (tape, G50532) between the ceiling liner [1] and the support structure.

SUBTASK 50-10-03-960-001

- (2) If it is necessary, replace the rubber seals.
- (a) Make a hole through the seal at the nutplate locations on the support structure.
 - (b) Trim as necessary to align to the liner contour.
 - (c) Butt-joint seals for minimum air leakage.

SUBTASK 50-10-03-210-002

- (3) Examine the fastener holes on the ceiling liners [1].
- (a) Fastener hole elongation (eyebrow condition) is acceptable if the maximum size of the uncovered fastener hole is not over 0.15 in. (0.38 cm). And a minimum edge margin of 1.5 times hole diameter is maintained.
 - (b) For holes at an overlap joint, only one of two liners can have an elongated hole.

SUBTASK 50-10-03-420-001

- (4) Put the ceiling liner [1] in its position.

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SUBTASK 50-10-03-430-001

- (5) Put pressure on the ceiling liner [1] in the areas of the hook and loop fastener tape, G50788 (preferred), or tape, G51436 (alternative), to make sure that it attaches fully.

SIA 001-011

SUBTASK 50-10-03-420-008

- (6) If it is necessary, do these steps to attach the soft liner [10]:
- (a) In the forward compartment, along the sidewall and ceiling interface, align the holes on the soft liner [10] to the inboard side of the liners.
 - 1) Install the screws [11] and washers [12] to attach the soft lining.
 - (b) In the aft compartment, along the e/e rack or the waste compartment interface, clean the areas where you will apply 2-sided tape with solvent, B00083.
 - 1) Install the 2-sided tape, G50155, to the structure.
 - a) Align along the nutplate centerline.
 - 2) Make a hole at each nutplate position.
 - 3) Remove the protective lining from the 2-sided tape.
 - 4) Put the soft liner [10] in its position.
 - a) Align the holes on the soft lining with the nutplate holes.
 - 5) Install the screws [11].
 - 6) If it is necessary, tighten the 1/4-turn fasteners on the access panels.

SIA 012-999

SUBTASK 50-10-03-420-006

- (7) If it is necessary, do these steps to attach the soft liner [10]:
- (a) In the forward or aft compartment, along the sidewall and ceiling interface, clean the tape areas on the ceiling and soft liner with solvent, B00083.
 - 1) Install the 2-sided tape, G50155, to the outboard side of the ceiling liner.
 - a) Align the tape $0.6425 +0.1000 / -0.0000$ in. ($1.6319 +0.2540 / -0.0000$ cm) from the interface edge of the ceiling liner.
 - b) The tape must not cause a blockage of fastener holes.
 - 2) Remove the protective lining from the 2-sided tape.
 - 3) Put the soft liner [10] in its position.
 - a) Align the holes on the soft lining with the fastener holes on the ceiling liner [1].
 - 4) If it is necessary, drape the soft liner behind the sidewall liner. Align the holes.
 - a) For a new soft liner, if it is necessary, make a fastener hole through the soft liner.
 - 5) Install the screws [11] to attach the soft lining and liners.
 - (b) In the aft compartment, along the e/e rack or the waste compartment interface, clean the areas where you will apply 2-sided tape with solvent, B00083.
 - 1) Install the 2-sided tape, G50155, to the structure.
 - a) Align along the nutplate centerline.
 - 2) Make a hole at each nutplate position.
 - 3) Remove the protective lining from the 2-sided tape.

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SIA 012-999 (Continued)

- 4) Put the soft liner [10] in its position.
 - a) Align the holes on the soft lining with the nutplate holes.
 - b) For a new soft liner, if it is necessary, make a fastener hole through the soft liner.
- 5) Install the screws [11].
- 6) If it is necessary, tighten the 1/4-turn fasteners on the access panels.

SIA ALL

SUBTASK 50-10-03-420-002

- (8) Install the screws [11] to attach the ceiling liner [1] to the support structure.

SUBTASK 50-10-03-420-007

- (9) Torque the screws [11] to 20 $\pm$ 3 in-lb (2 $\pm$ 0 N·m).

SUBTASK 50-10-03-420-003

- (10) Do these steps to attach the applicable parts:
 - (a) Put the net fitting shroud [6] in its position and install the screws [7].



CAUTION

DO NOT COVER THE CLOSEOUT-RING OR LENS WITH TAPE, PAPER, PLASTIC, AND OTHER ITEMS. IF YOU DO, IT CAN CAUSE THE LIGHT TO BECOME TOO HOT.

- (b) Put the ring [5] for the ceiling light [3] in its position and install the screws [4].
- (c) Put the retainer [8] for the fire extinguishing nozzle in its position and install the screws [9].
- (d) Install the smoke detector guard in its position with the screws that attach the smoke detector shroud to the ceiling liner [1].

G. Put the Airplane Back to Its Usual Condition

SUBTASK 50-10-03-420-004

- (1) Do this task: Ceiling Blowout Panel Installation, TASK 21-32-05-400-801.

SUBTASK 50-10-03-110-001



CAUTION

DO NOT LET THE SOLVENT TOUCH PLASTICS, CONTROL CABLES, LUBRICATED AREAS, PLASTIC DECALS, OR PAINTED AREAS OR MARKINGS THAT ARE NOT SKYDROL RESISTANT. THE SOLVENT WILL CAUSE DAMAGE TO THESE ITEMS.

- (2) Clean the areas where you will apply tape with solvent, B00083.

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SUBTASK 50-10-03-420-005



DO NOT PUT TAPE ON THE SMOKE DETECTOR TUBES OR THE FIRE EXTINGUISHER OUTLET TUBES. THE SMOKE DETECTOR AND THE FIRE EXTINGUISHER SYSTEM WILL NOT SENSE A FIRE IF THERE IS TAPE ON THE TUBE OR OUTLETS. THIS CAN CAUSE INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT.

- (3) Apply the new tape, G02361, on the screws and edges of the liners and the smoke detector shroud.

NOTE: Apply the tape with the minimum number of joints in it. Do not apply tape between the ceiling liner and the aft bulkhead liner. The tape at this joint should be only on the ceiling liner. In both the forward and aft cargo compartments, the aft bulkhead does not need tape applied to its joints.

NOTE: Do not apply the tape to the blowout panels or cap strips on the ceiling liner.

- (a) Make sure that the tape is within shelf life limits for optimum tape adhesion.
- (b) Where possible, apply the tape to warm surfaces that are approximately 60°F (16°C) or higher, to help promote good adhesion.
- (c) If it is necessary to use short pieces of tape, G02361, make a minimum overlap of 0.50 in. (12.70 mm).
- (d) Push the tape, G02361, firmly to make sure that there is a good bond.

NOTE: There is a good bond if the surface of the tape is smooth and does not have air bubbles.

————— END OF TASK —————

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CARGO COMPARTMENT FLOOR PANEL - REMOVAL/INSTALLATION

1. **General**

A. This procedure contains these tasks:

- (1) A removal of the cargo compartment floor panel
- (2) An installation of the cargo compartment floor panel.

TASK 50-10-04-000-801

2. **Cargo Compartment Floor Panel Removal**

(Figure 401)

A. **General**

- (1) This task is for the removal of the cargo compartment floor panel.

B. **References**

Reference	Title
50-11-01-000-801	Forward Cargo Compartment Forward Bulkhead Liner Removal (P/B 401)

C. **Consumable Materials**

Reference	Description	Specification
G02304	Tape - Moisture Barrier, Adhesive One-side	BMS8-346

D. **Location Zones**

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

E. **Prepare for the Removal**

SUBTASK 50-10-04-010-001

- (1) If you will remove the floor panel [1] that is adjacent to the forward bulkhead liner in the forward cargo compartment, then remove the forward bulkhead liner (TASK 50-11-01-000-801).

F. **Cargo Compartment Floor Panel Removal**

SUBTASK 50-10-04-020-001

- (1) Remove the screws [3], screws [9] and bolts [4] that attach the splice plates [6], cap strips [7], tiedowns [5], and floor panels [1] to the support structure.

NOTE: The screws [3], screws [9] and bolts [4] in different locations are of different lengths. Make a note of the location of the screws [3], screws [9] and bolts [4].

SUBTASK 50-10-04-020-002

- (2) Remove the moisture barrier tape, G02304, where the cargo sidewall liner meets the floor panel [1].

SUBTASK 50-10-04-020-003

- (3) Remove the floor panel [1].

SUBTASK 50-10-04-020-004

- (4) Remove the gaskets [2].

————— **END OF TASK** —————

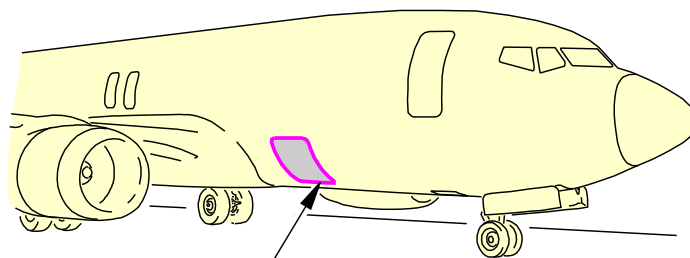
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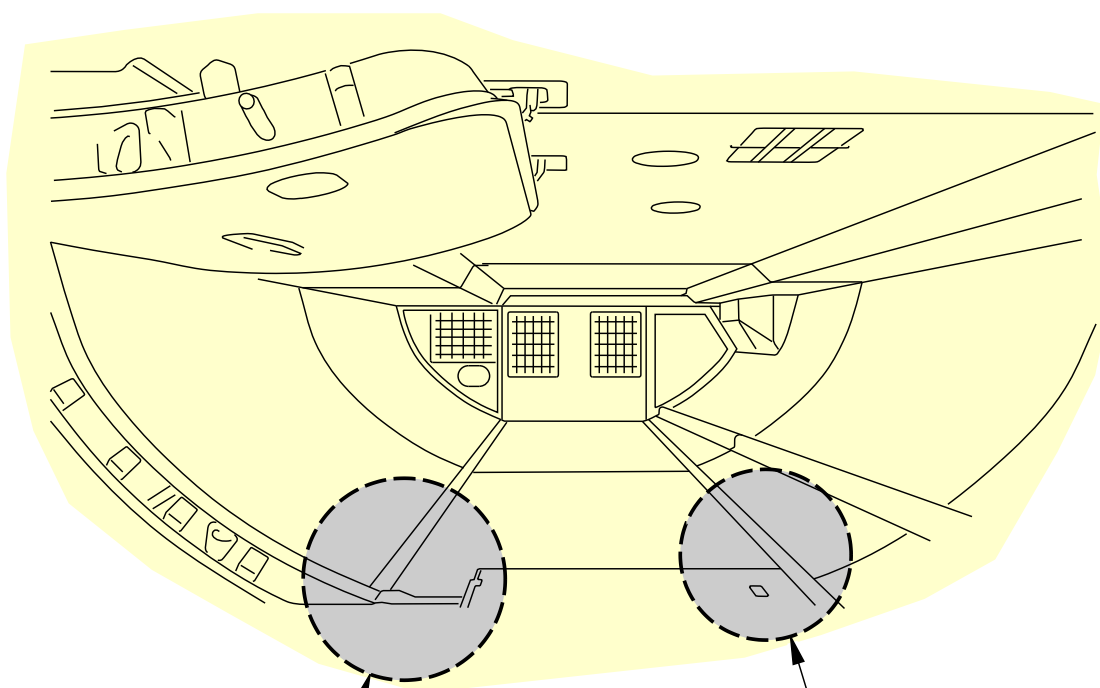
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CARGO COMPARTMENT

A



B

C

CARGO COMPARTMENT
(EXAMPLE)

A

2411955 S00061529591_V1

Floor Panels and Walkways Installation
Figure 401/50-10-04-990-806 (Sheet 1 of 3)

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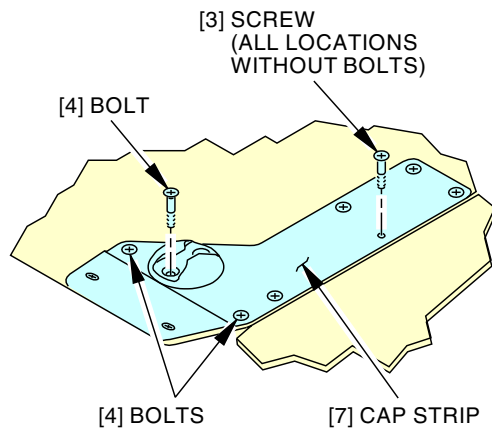
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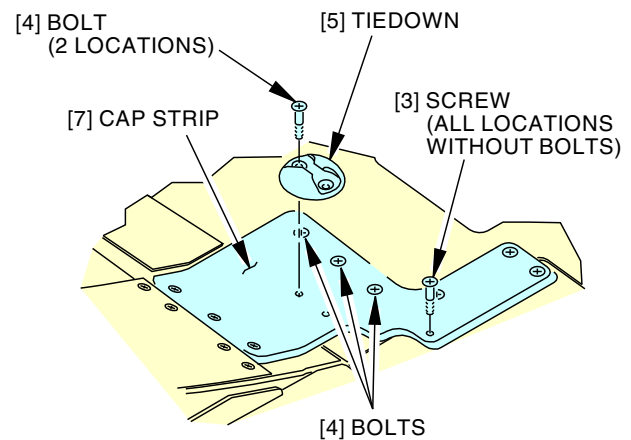
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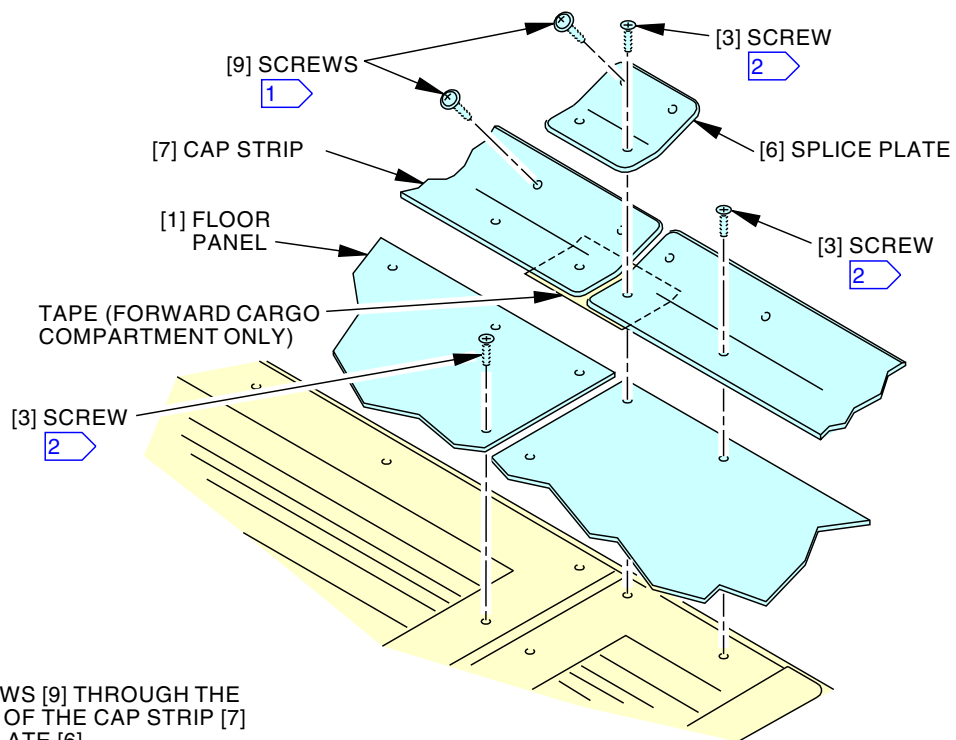
(FORWARD CARGO COMPARTMENT)

B



(AFT CARGO COMPARTMENT)

B



(EXAMPLE)

C

- 1 INSTALL SCREWS [9] THROUGH THE ANGLED PART OF THE CAP STRIP [7] AND SPLICE PLATE [6].
- 2 INSTALL THE SCREWS [3] IN ALL HOLES THAT ARE NOT SPECIFIED OTHERWISE.

2411956 S00061529592_V1

Floor Panels and Walkways Installation
Figure 401/50-10-04-990-806 (Sheet 2 of 3)

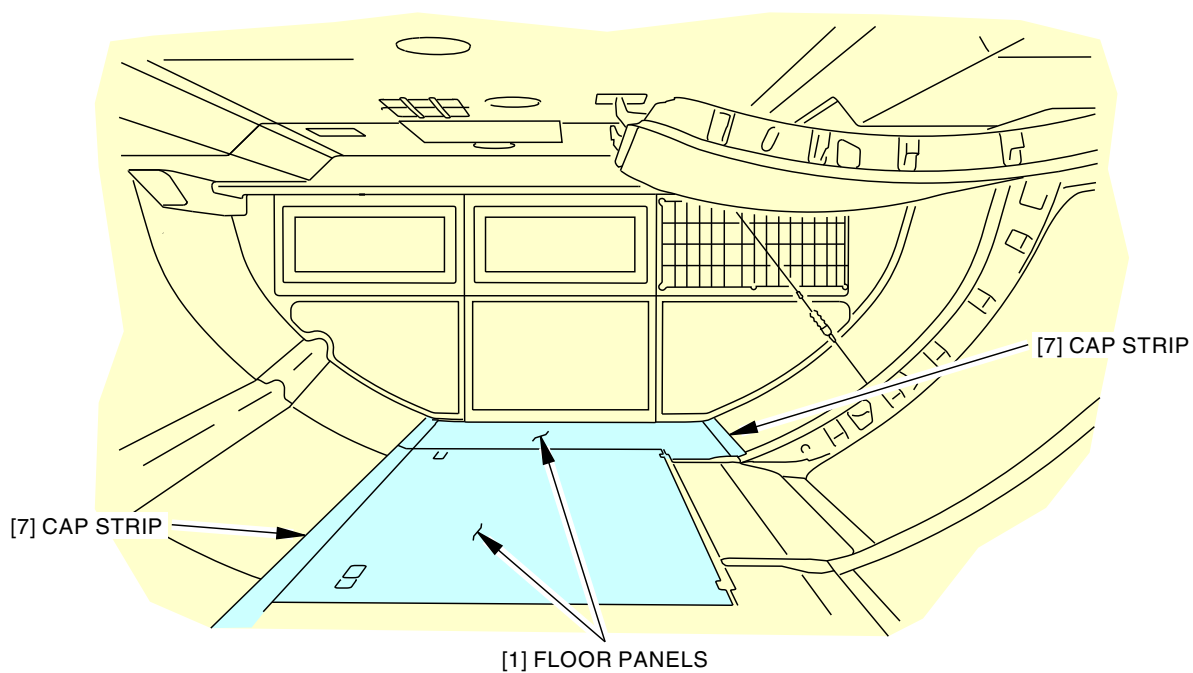
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**FORWARD CARGO COMPARTMENT
(EXAMPLE)**

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**Floor Panels and Walkways Installation
Figure 401/50-10-04-990-806 (Sheet 3 of 3)**

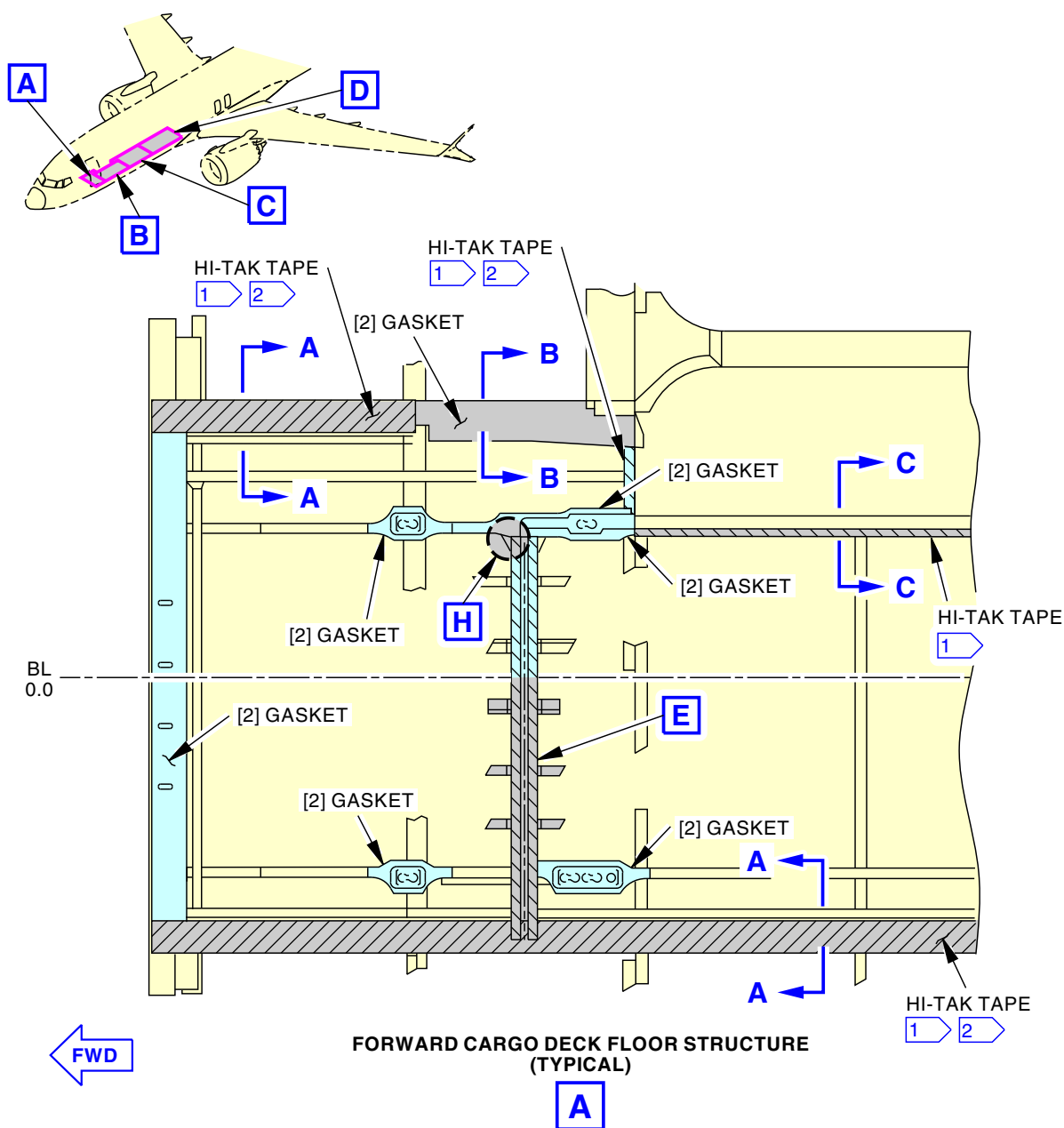
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- 1 A CONTINUOUS STRIP IS PREFERRED. HOWEVER, A JOIN IN THE TAPE IS ALLOWED. MAKE SURE THERE ARE NO GAPS BETWEEN THE TAPE JOINTS. A MAXIMUM OF 0.25 INCH OVERLAP IS ALLOWED.
- 2 ALIGN THE EDGE OF THE TAPE WITH THE OUTBOARD EDGE OF THE SUPPORT STRUCTURE ALONG THE ENTIRE LENGTH OF THE FORWARD CARGO COMPARTMENT.

2411958 S00061529594_V1

Forward Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 402/50-10-04-990-807 (Sheet 1 of 9)

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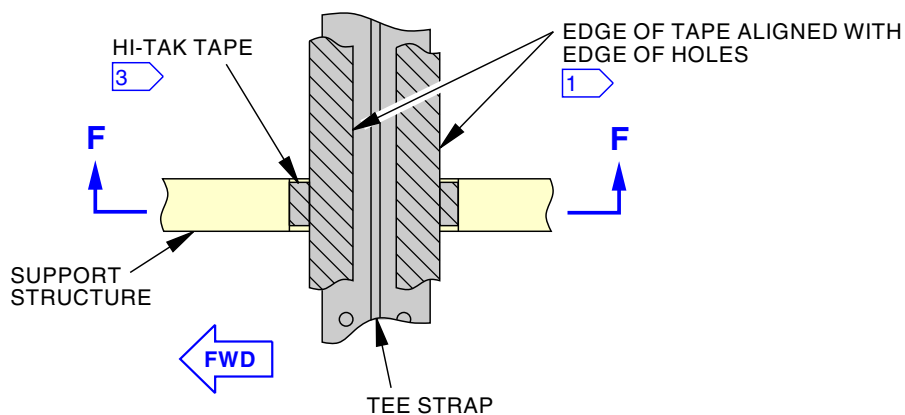
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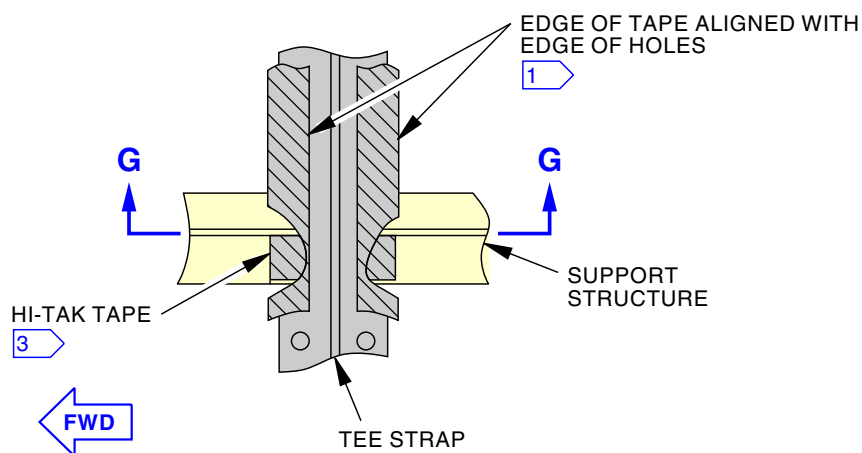


Forward Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 402/50-10-04-990-807 (Sheet 2 of 9)



TEE STRAP WITH JOGGLE
(TYPICAL)

F



TEE STRAP WITHOUT JOGGLE
(TYPICAL)

F

3 LOCATE THE TAPE IN THE CENTER OF THE SUPPORT STRUCTURE.

2411962 S00061529598_V1

Forward Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 402/50-10-04-990-807 (Sheet 3 of 9)

EFFECTIVITY
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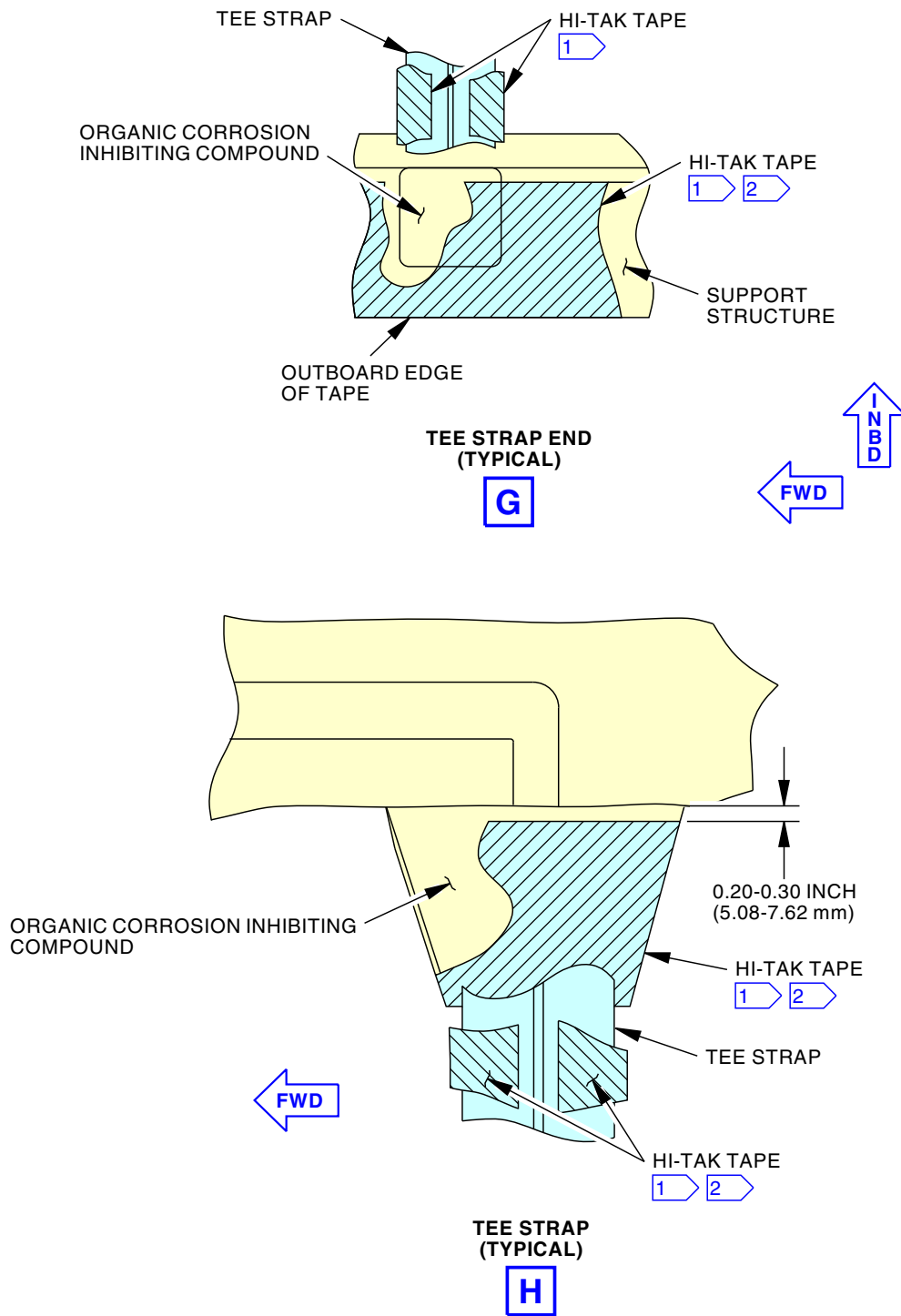
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2411963 S00061529599_V1

Forward Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 402/50-10-04-990-807 (Sheet 4 of 9)

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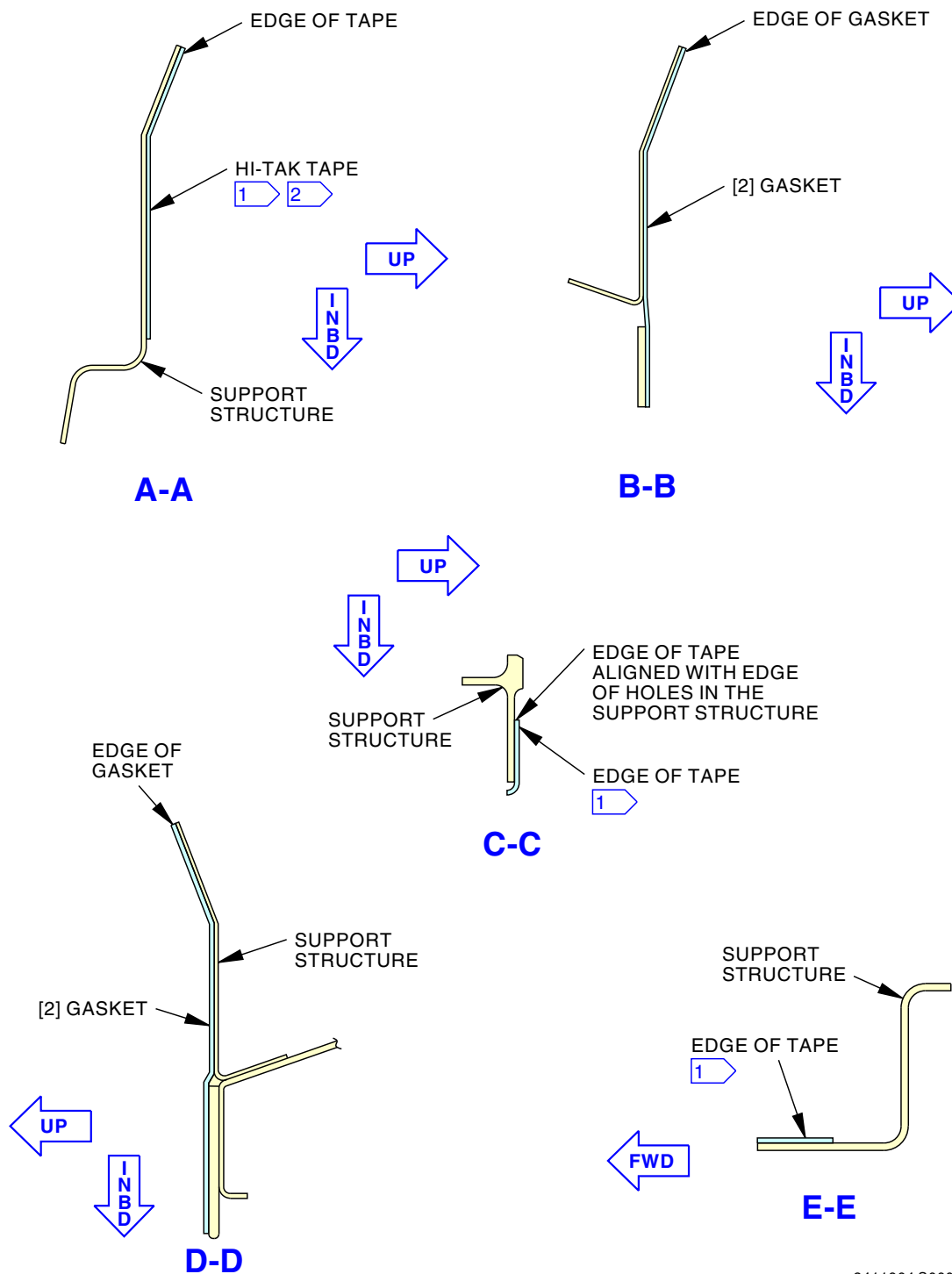
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2411964 S00061529600_V1

Forward Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 402/50-10-04-990-807 (Sheet 5 of 9)

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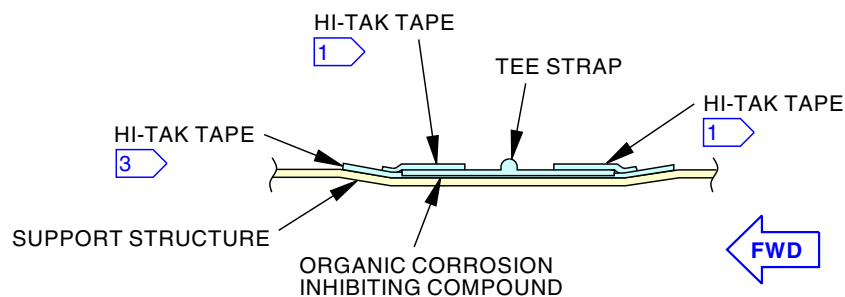
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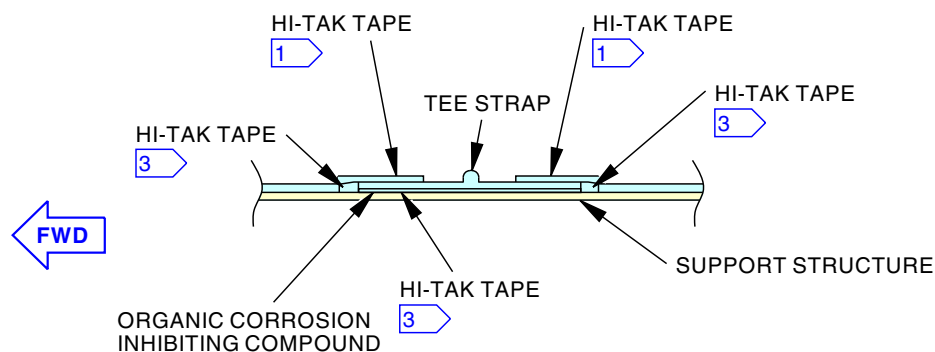
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F-F



G-G

2411965 S00061529601_V1

Forward Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 402/50-10-04-990-807 (Sheet 6 of 9)

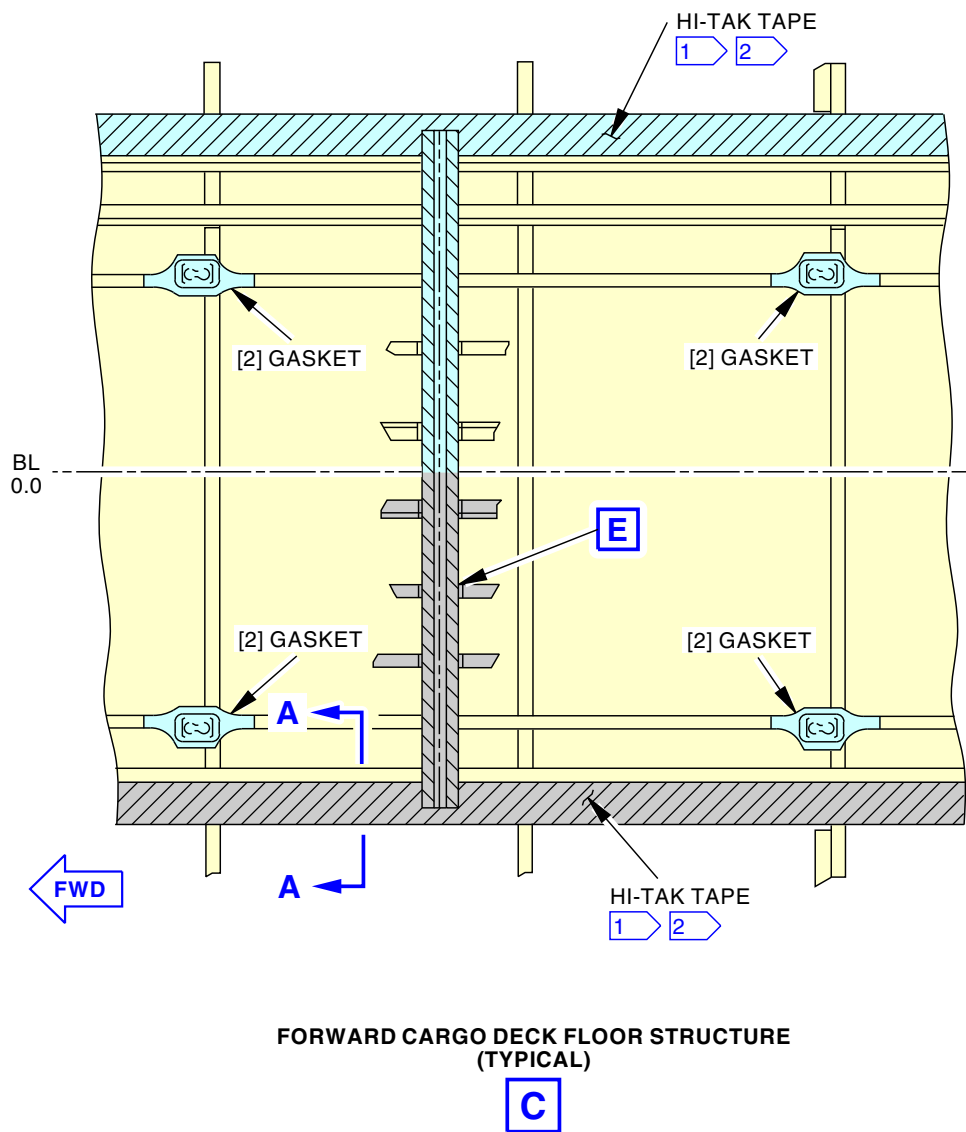
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FORWARD CARGO DECK FLOOR STRUCTURE
(TYPICAL)

2411967 S00061529603_V1

Forward Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 402/50-10-04-990-807 (Sheet 7 of 9)

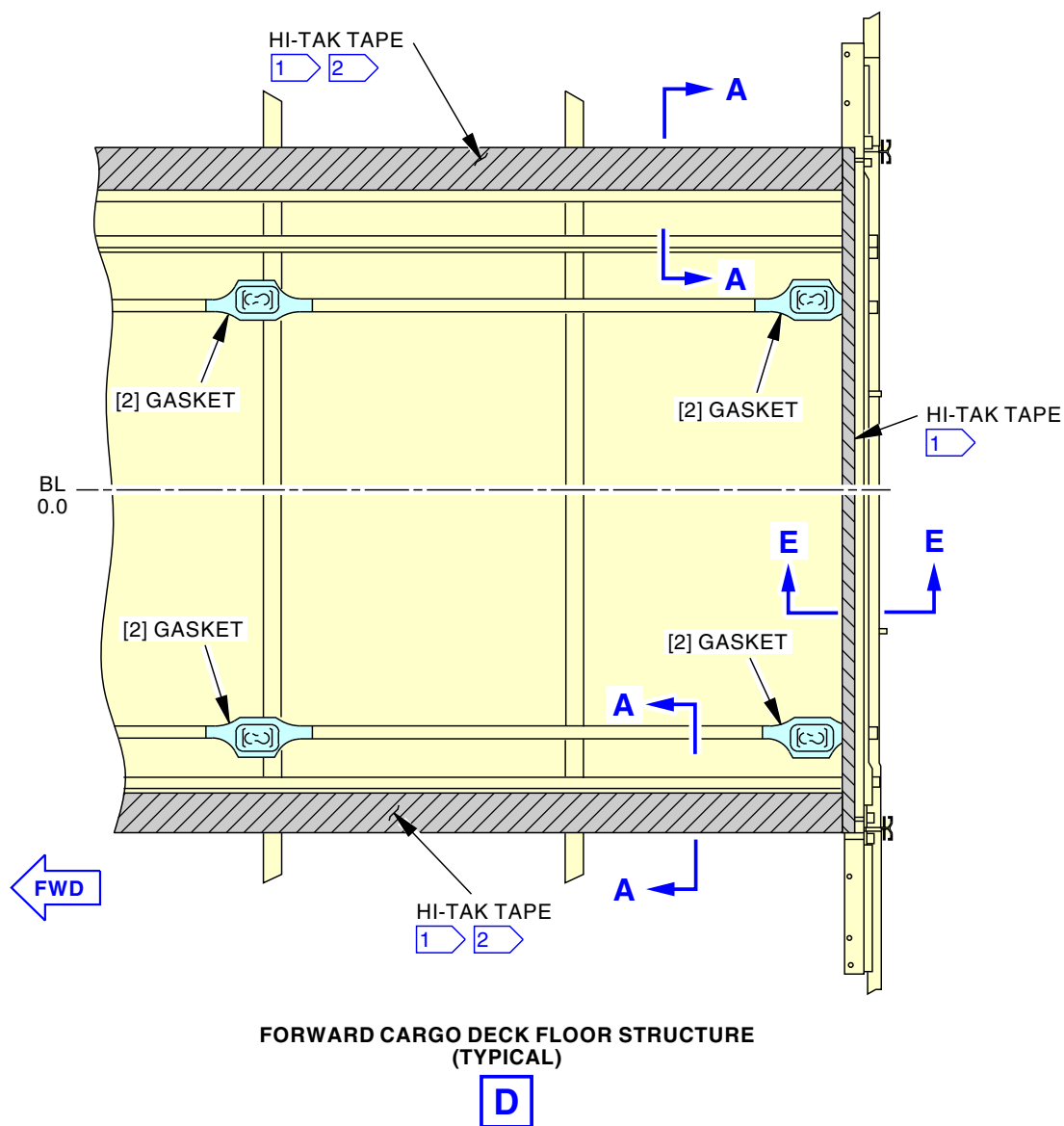
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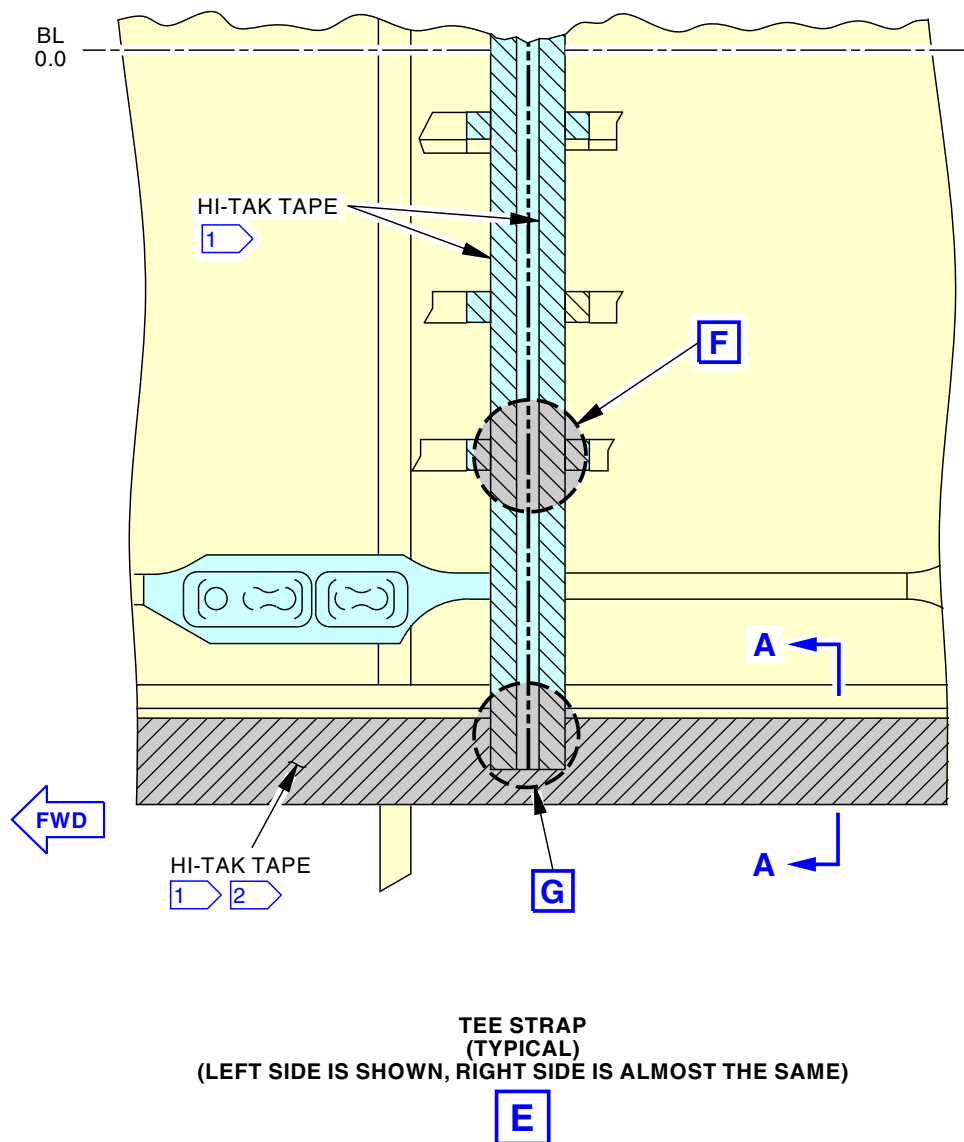
Forward Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 402/50-10-04-990-807 (Sheet 8 of 9)

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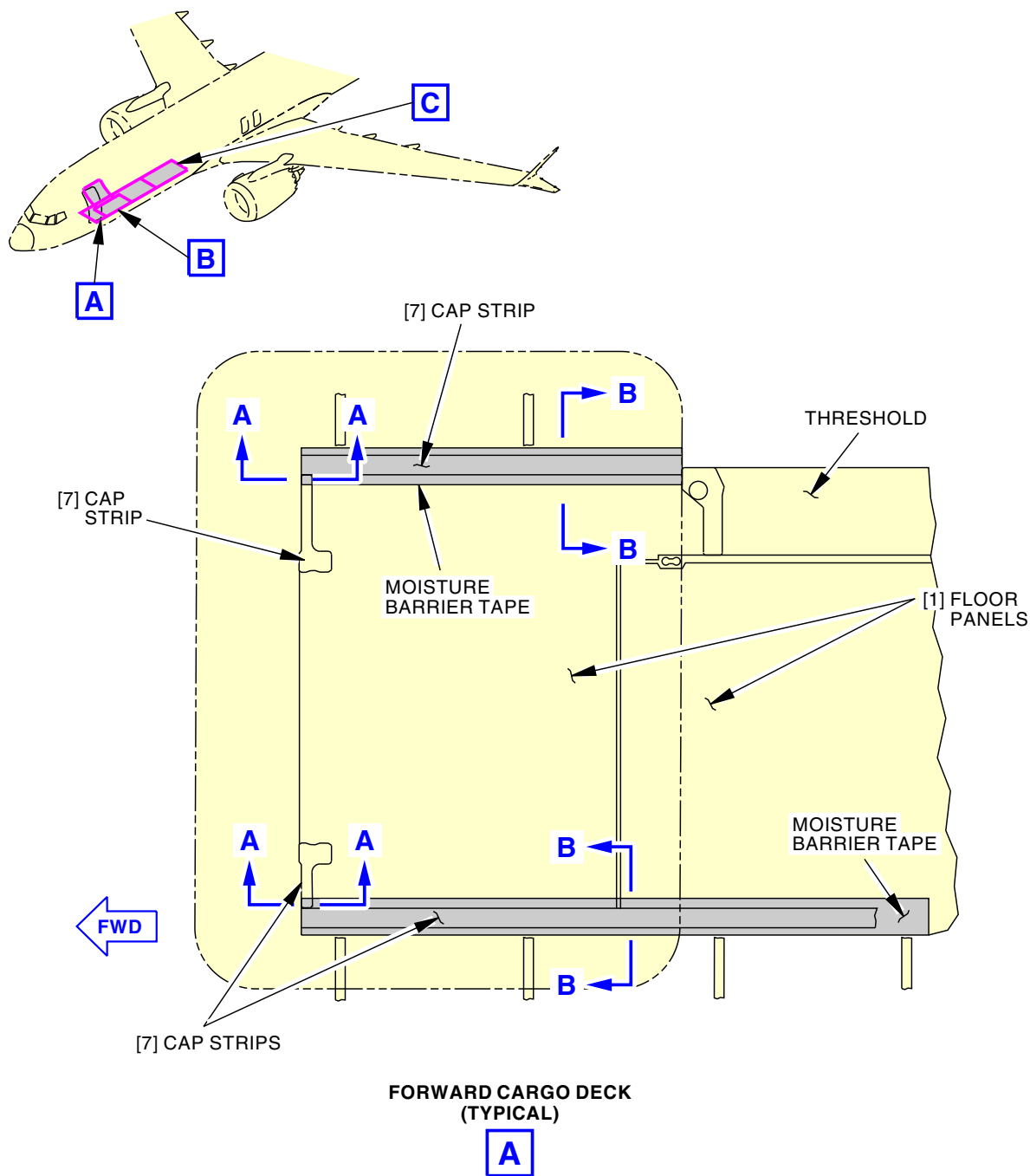
Forward Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 402/50-10-04-990-807 (Sheet 9 of 9)

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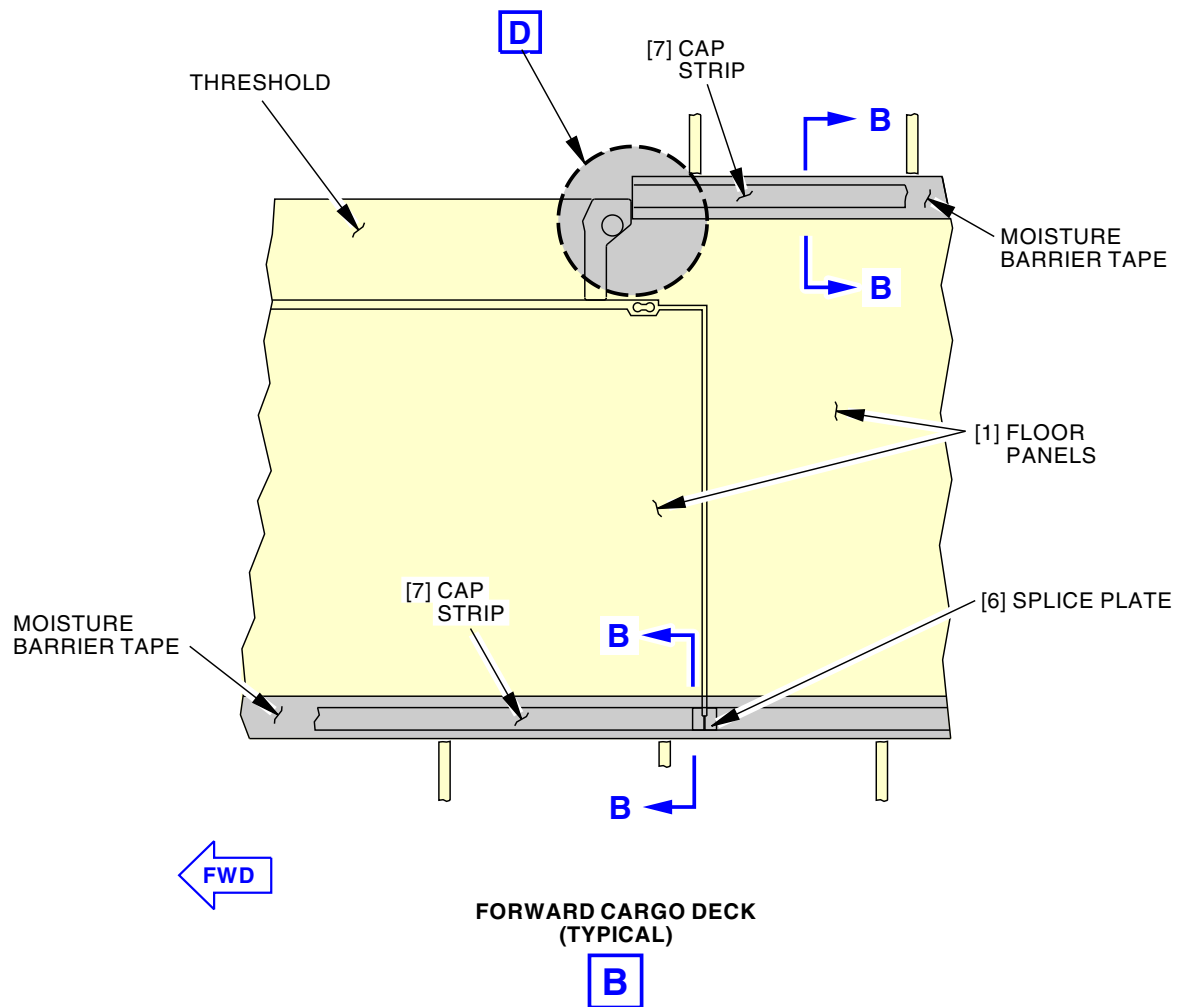
Forward Cargo Compartment - Cargo Deck - Moisture Barrier Tape Installation
Figure 403/50-10-04-990-808 (Sheet 1 of 4)

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2411971 S00061529607_V1

Forward Cargo Compartment - Cargo Deck - Moisture Barrier Tape Installation
Figure 403/50-10-04-990-808 (Sheet 2 of 4)

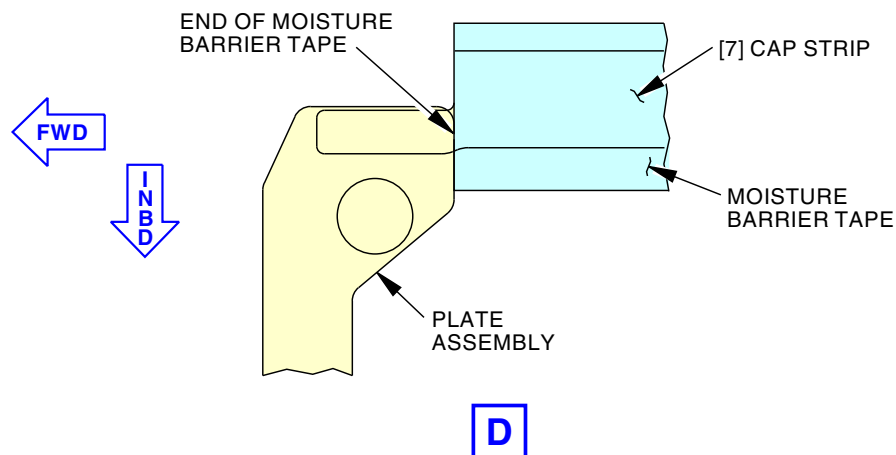
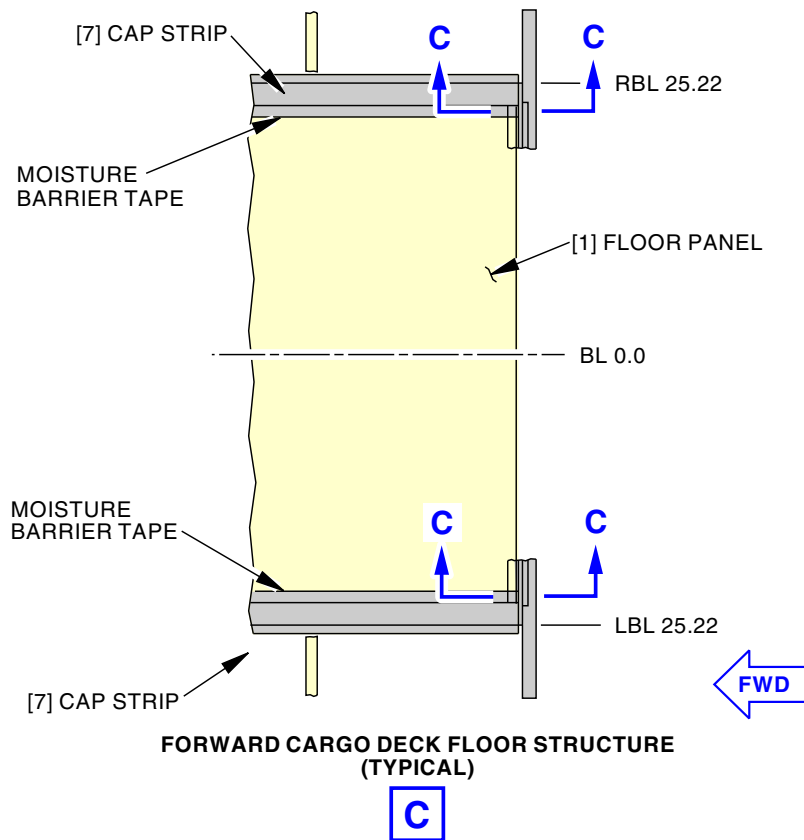
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2411972 S00061529608_V1

Forward Cargo Compartment - Cargo Deck - Moisture Barrier Tape Installation
Figure 403/50-10-04-990-808 (Sheet 3 of 4)

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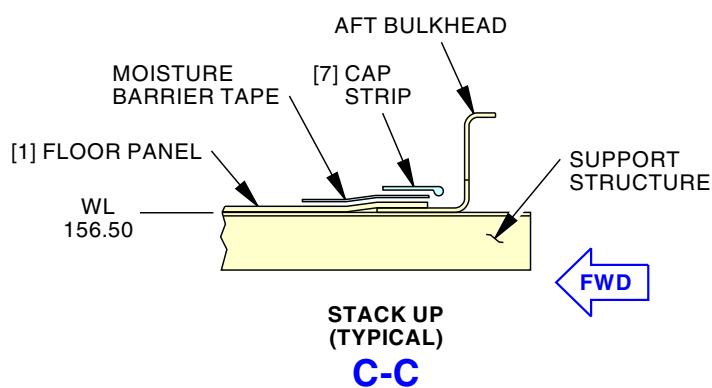
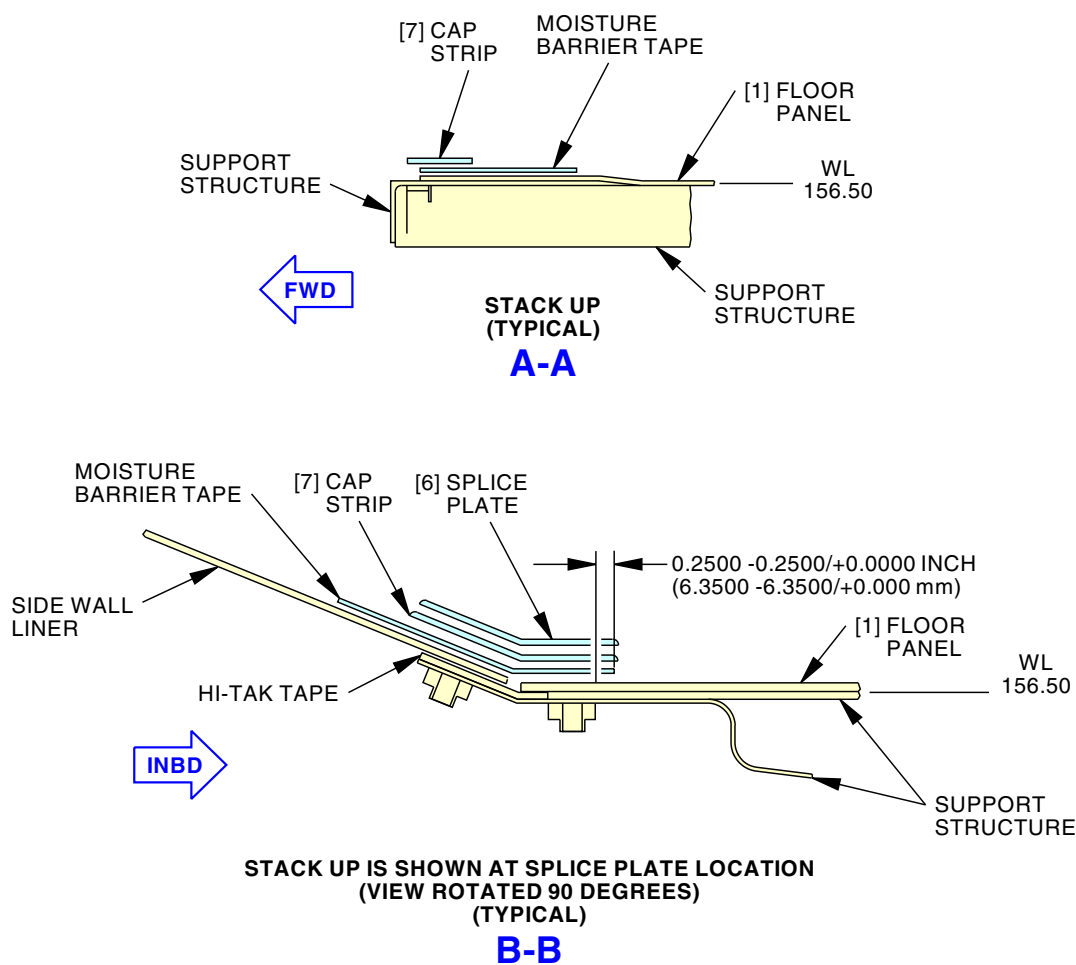
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2411973 S00061529609_V2

Forward Cargo Compartment - Cargo Deck - Moisture Barrier Tape Installation
Figure 403/50-10-04-990-808 (Sheet 4 of 4)

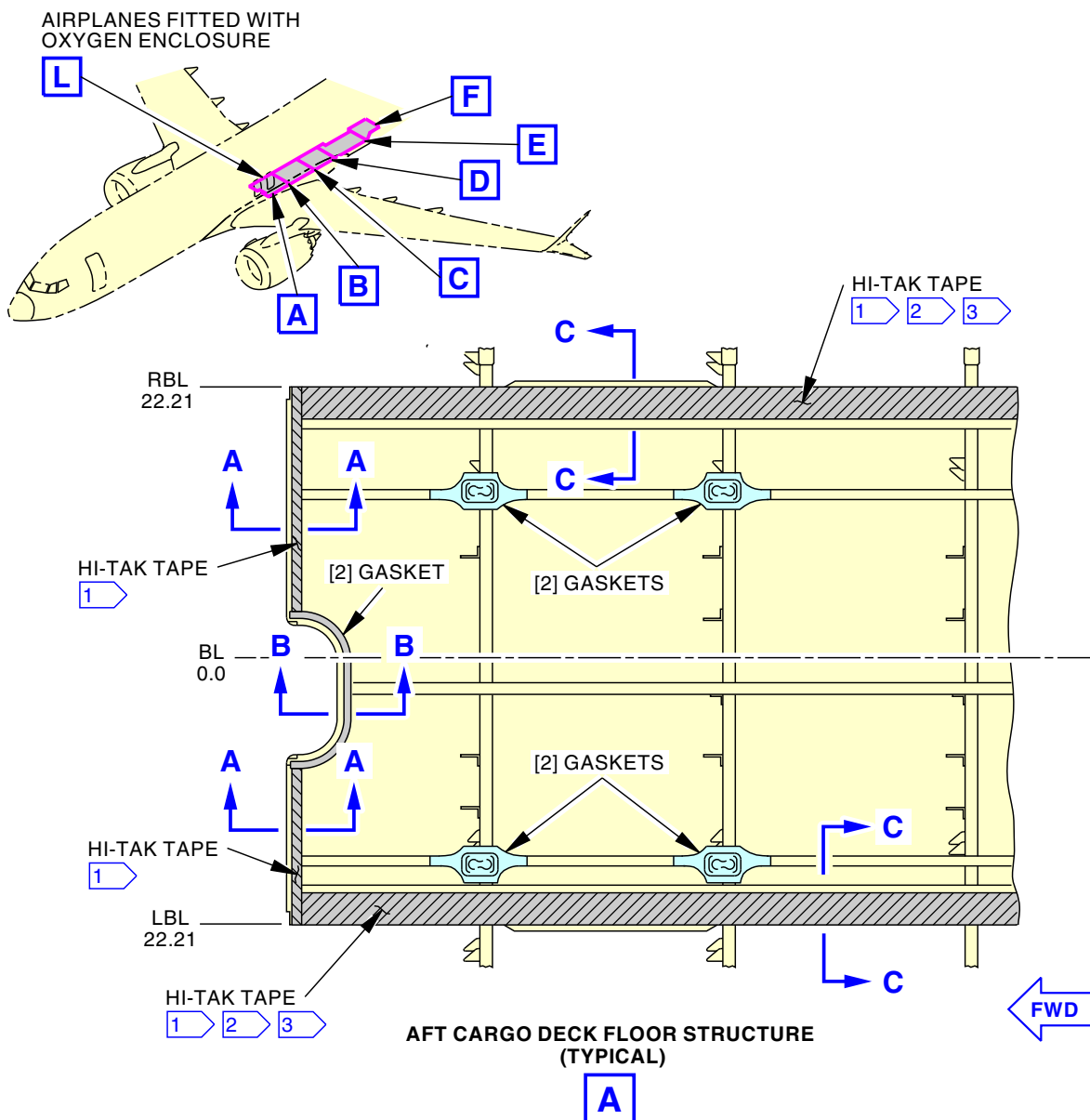
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- 1 GASKET IS ALLOWED TO OVERHANG THE INBOARD EDGE OF THE SUPPORT STRUCTURE.
- 2 ONE CONTINUOUS STRIP IS PREFERRED. HOWEVER, A JOIN IN THE TAPE IS ALLOWED. MAKE SURE THERE ARE NO GAPS BETWEEN TAPE JOINTS OR TAPE AND GASKET JOINTS. A MAXIMUM OF 0.25 INCH OVERLAP IS ALLOWED.
- 3 ALIGN THE EDGE OF THE TAPE WITH THE OUTBOARD EDGE OF THE SUPPORT STRUCTURE ALONG THE ENTIRE LENGTH OF THE AFT CARGO COMPARTMENT.

2411974 S00061529610_V1

Aft Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 404/50-10-04-990-809 (Sheet 1 of 13)

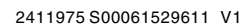
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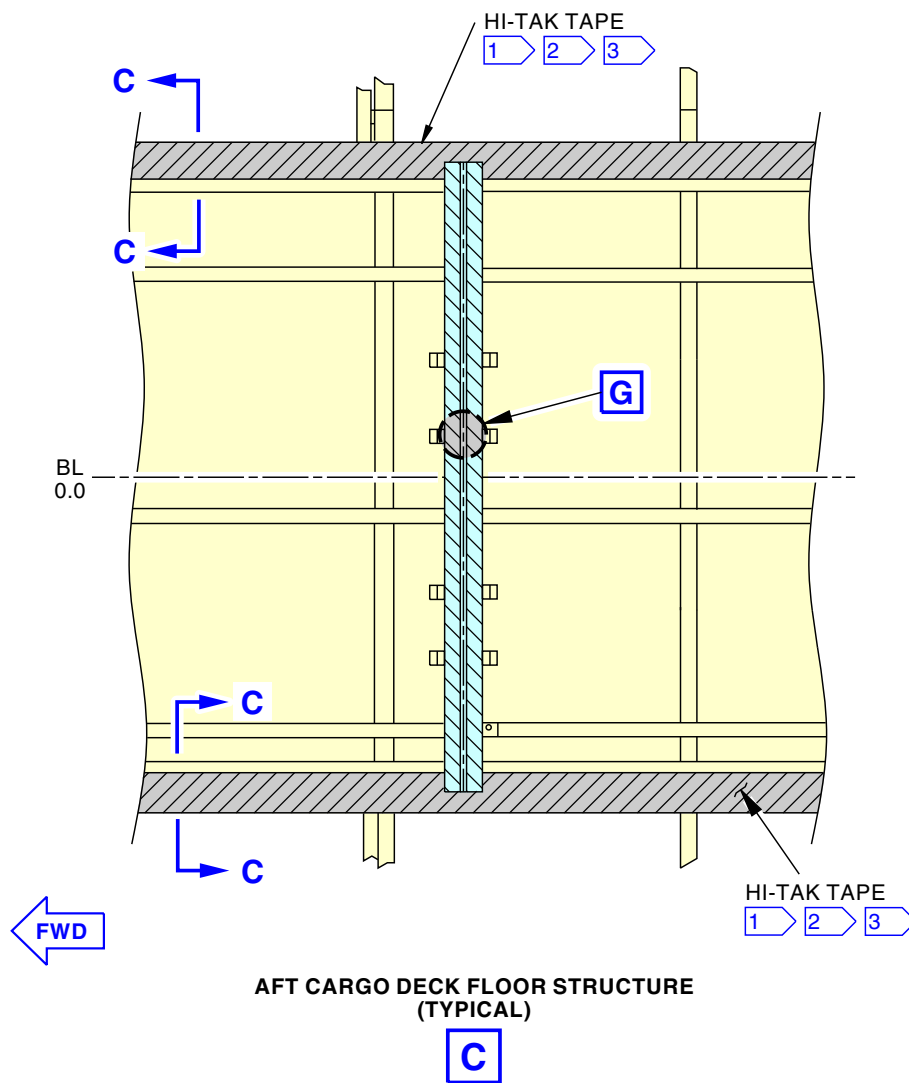
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Aft Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 404/50-10-04-990-809 (Sheet 2 of 13)



2411976 S00061529612_V1

Aft Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 404/50-10-04-990-809 (Sheet 3 of 13)

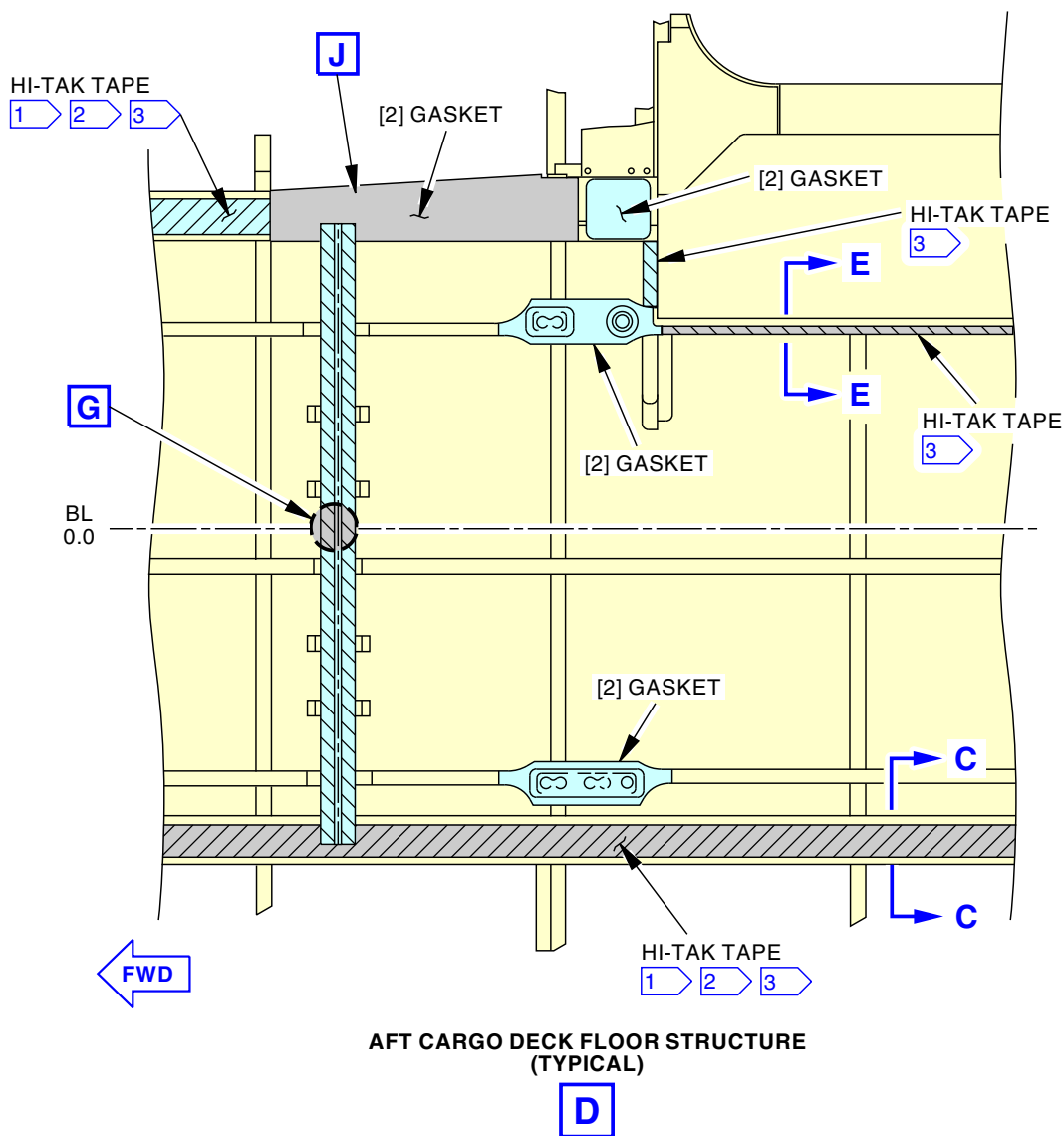
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2411977 S00061529613_V1

Aft Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 404/50-10-04-990-809 (Sheet 4 of 13)

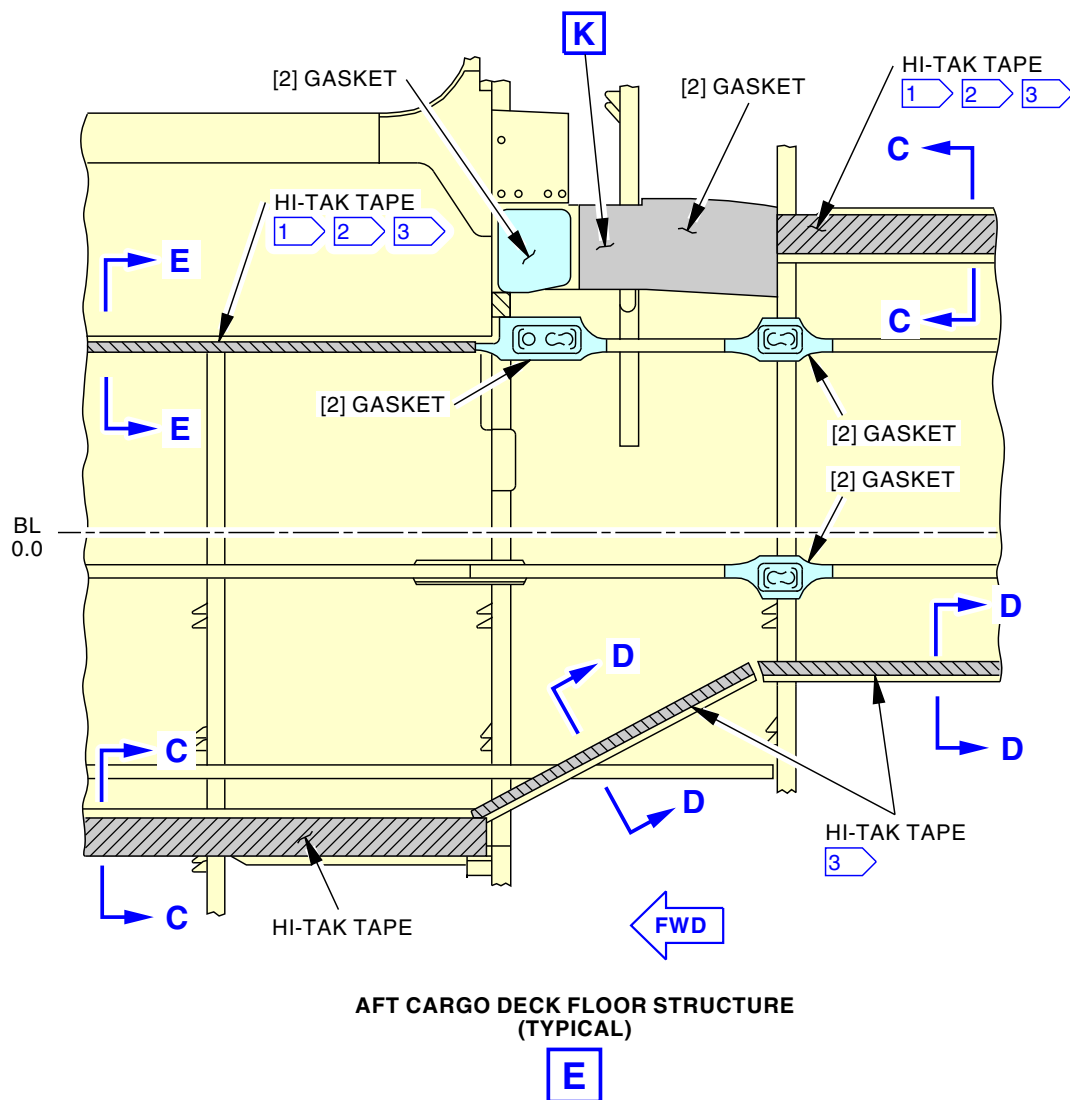
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2411978 S00061529614_V1

Aft Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 404/50-10-04-990-809 (Sheet 5 of 13)

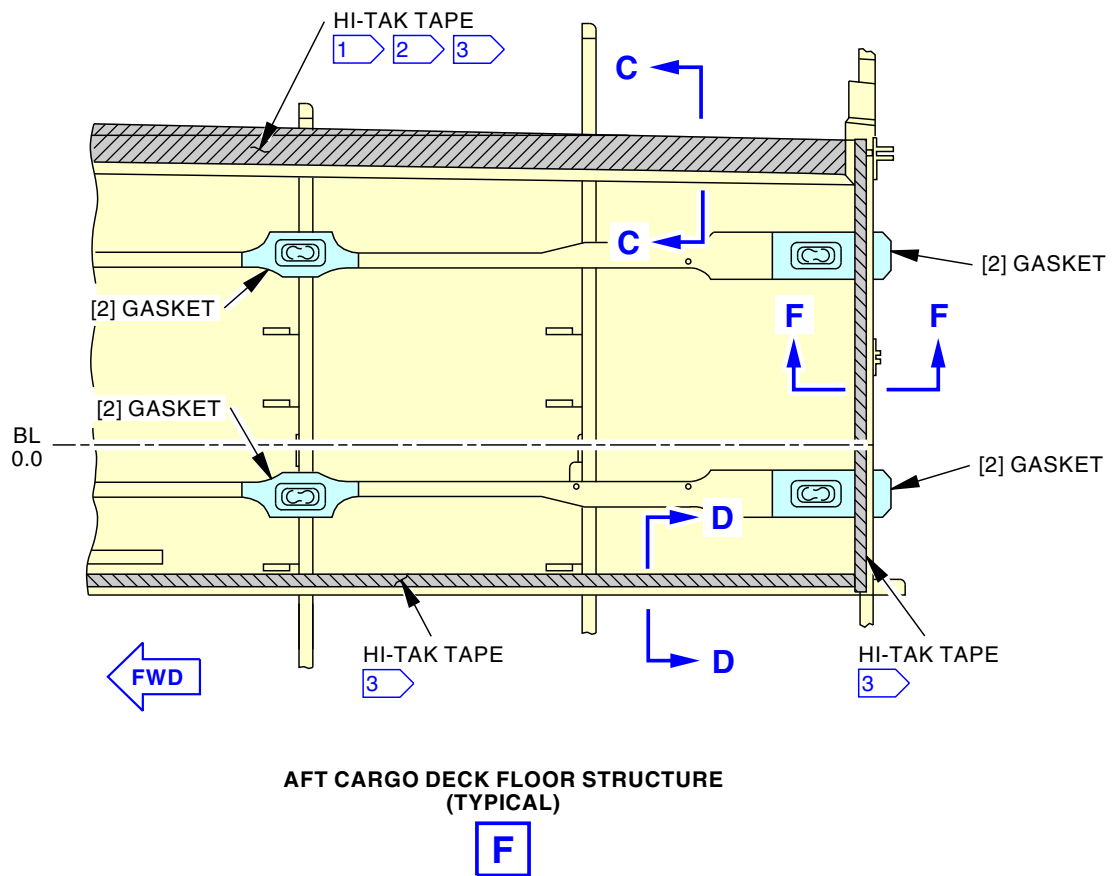
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2411979 S00061529615_V1

Aft Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 404/50-10-04-990-809 (Sheet 6 of 13)

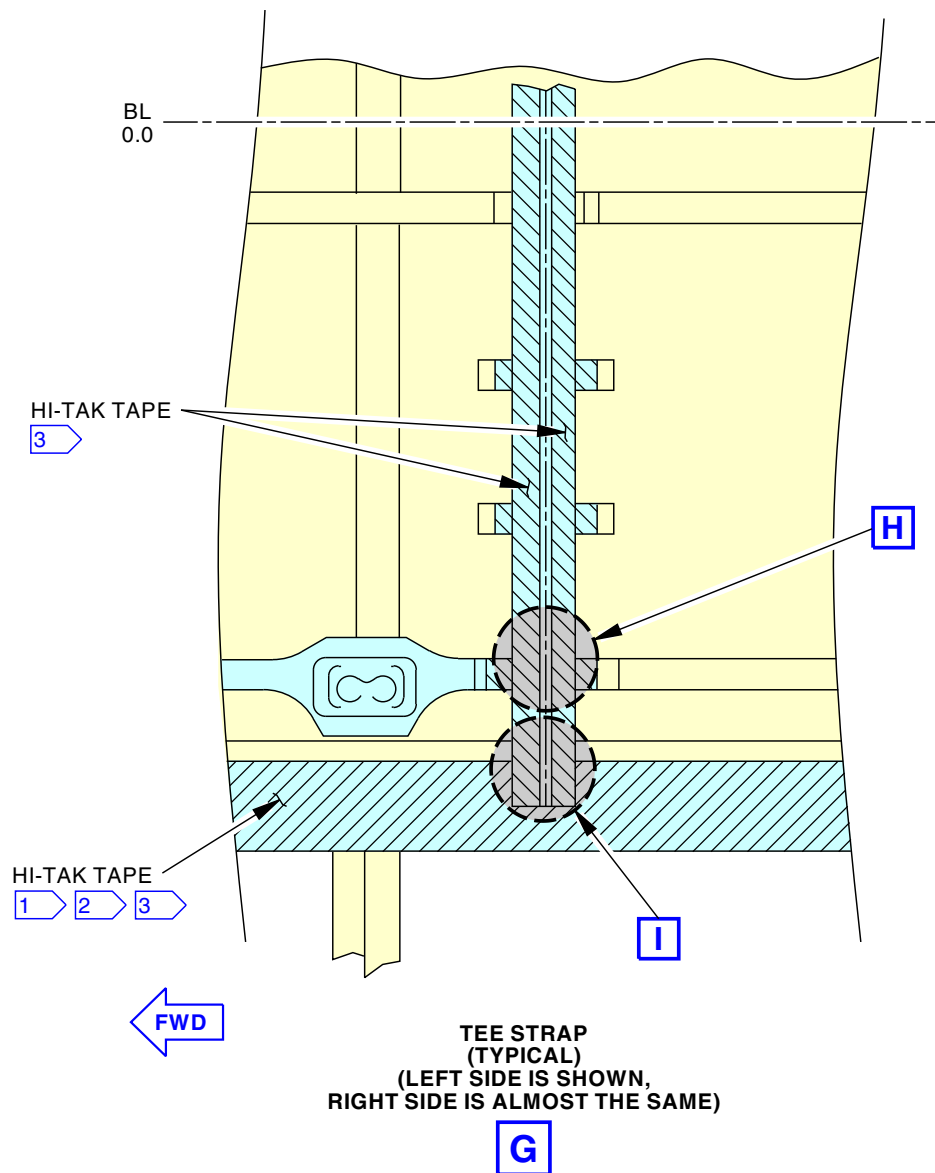
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2411980 S00061529616_V1

Aft Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 404/50-10-04-990-809 (Sheet 7 of 13)

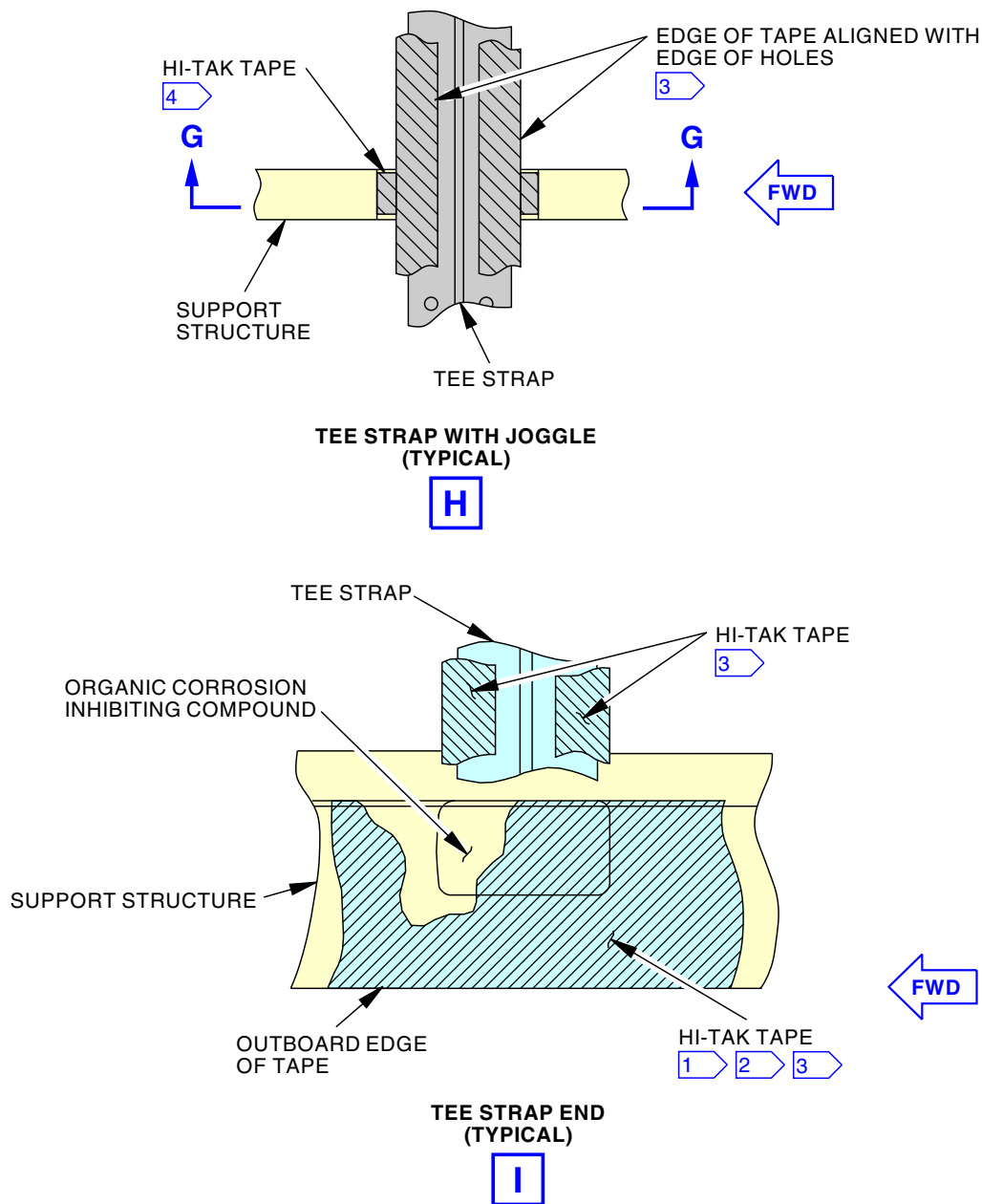
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4 LOCATE THE TAPE IN THE CENTER OF THE SUPPORT
STRUCTURE.

2411981 S00061529617_V1

Aft Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 404/50-10-04-990-809 (Sheet 8 of 13)

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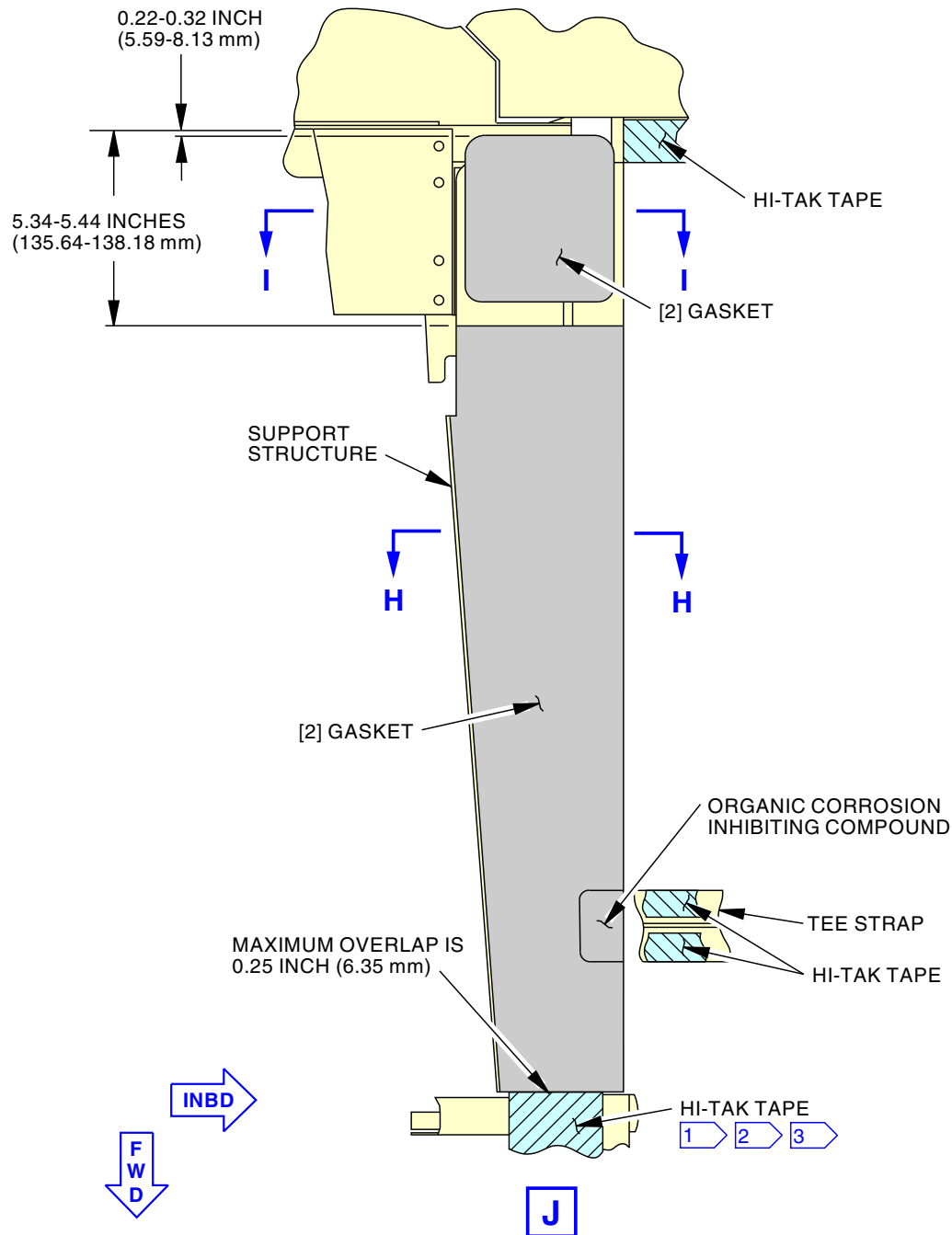
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Aft Cargo Compartment - Cargo Deck - Tape and Gasket Installation
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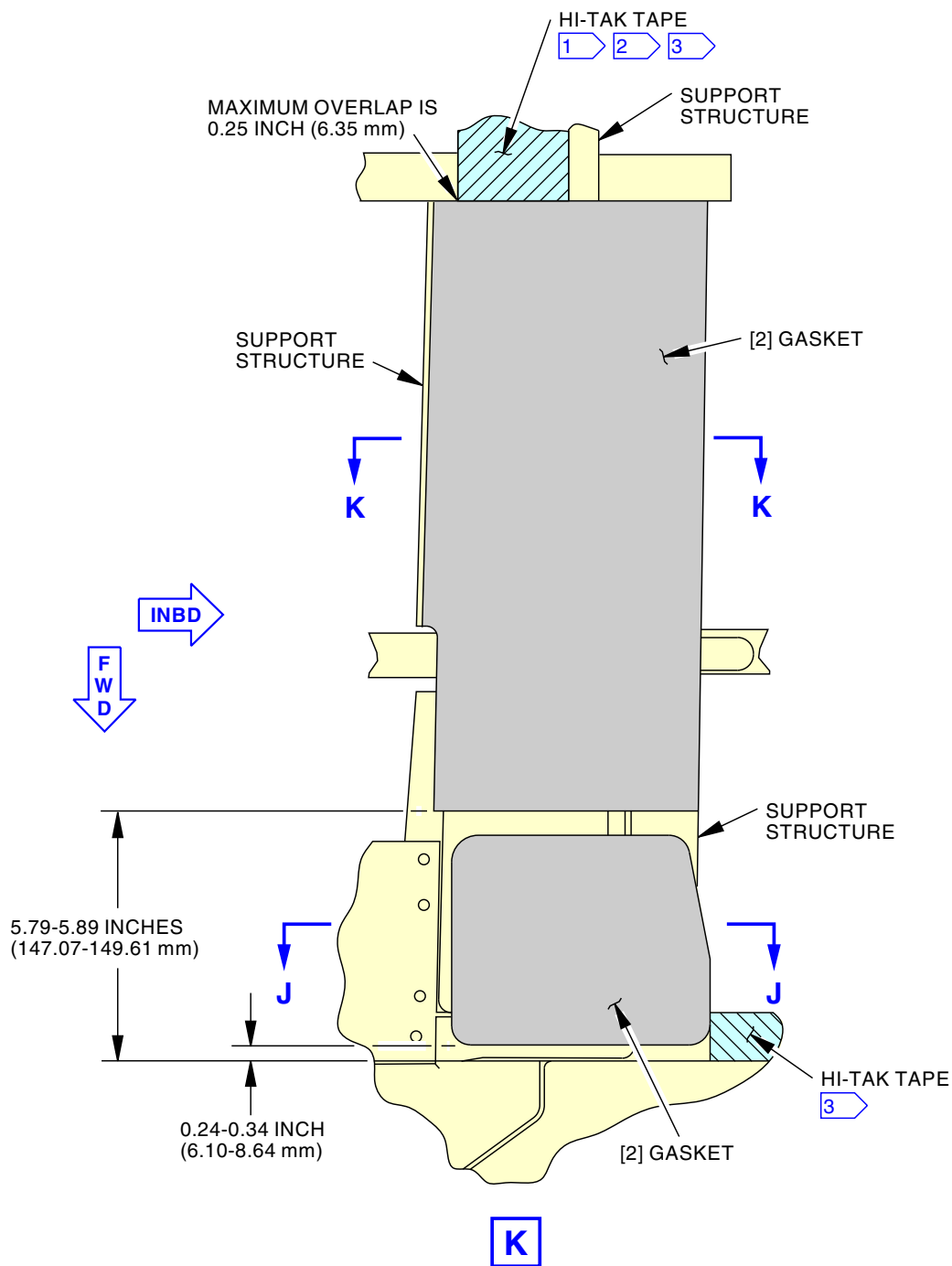
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2411983 S00061529619_V1

Aft Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 404/50-10-04-990-809 (Sheet 10 of 13)

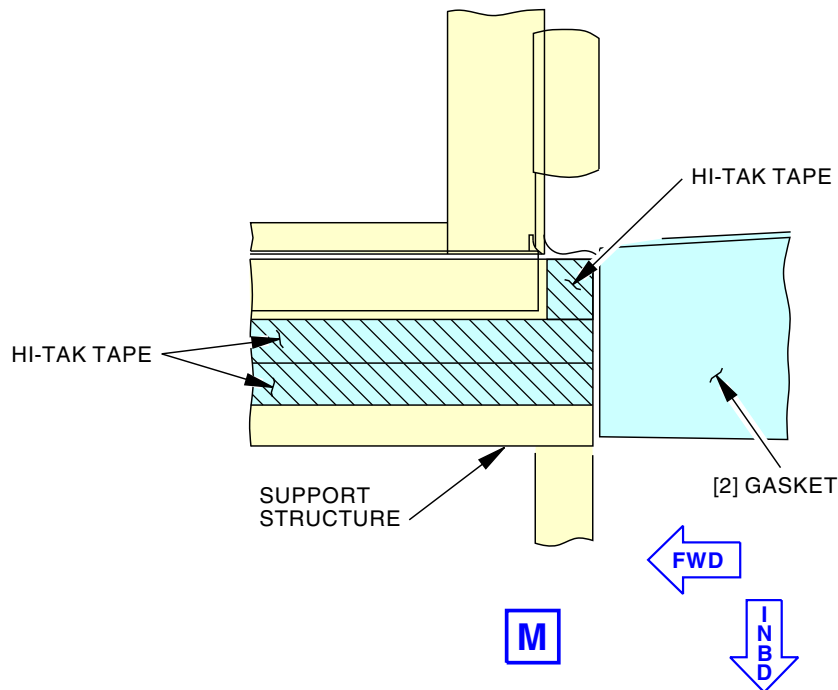
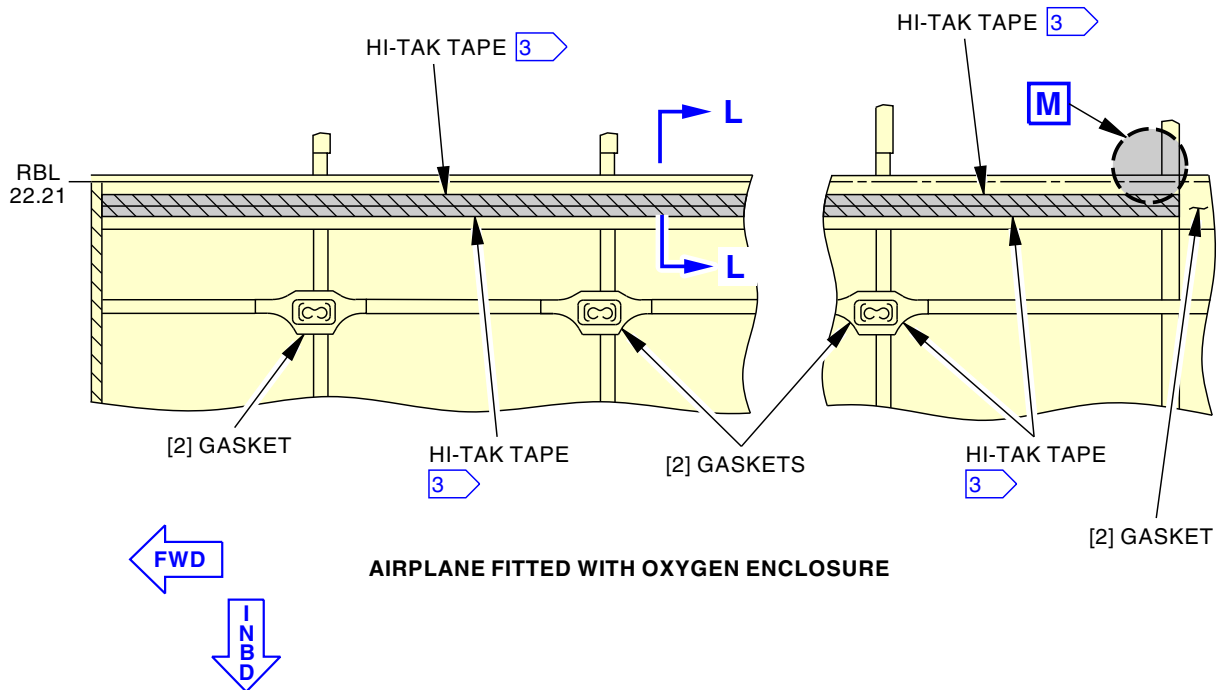
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2411984 S00061529620_V1

Aft Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 404/50-10-04-990-809 (Sheet 11 of 13)

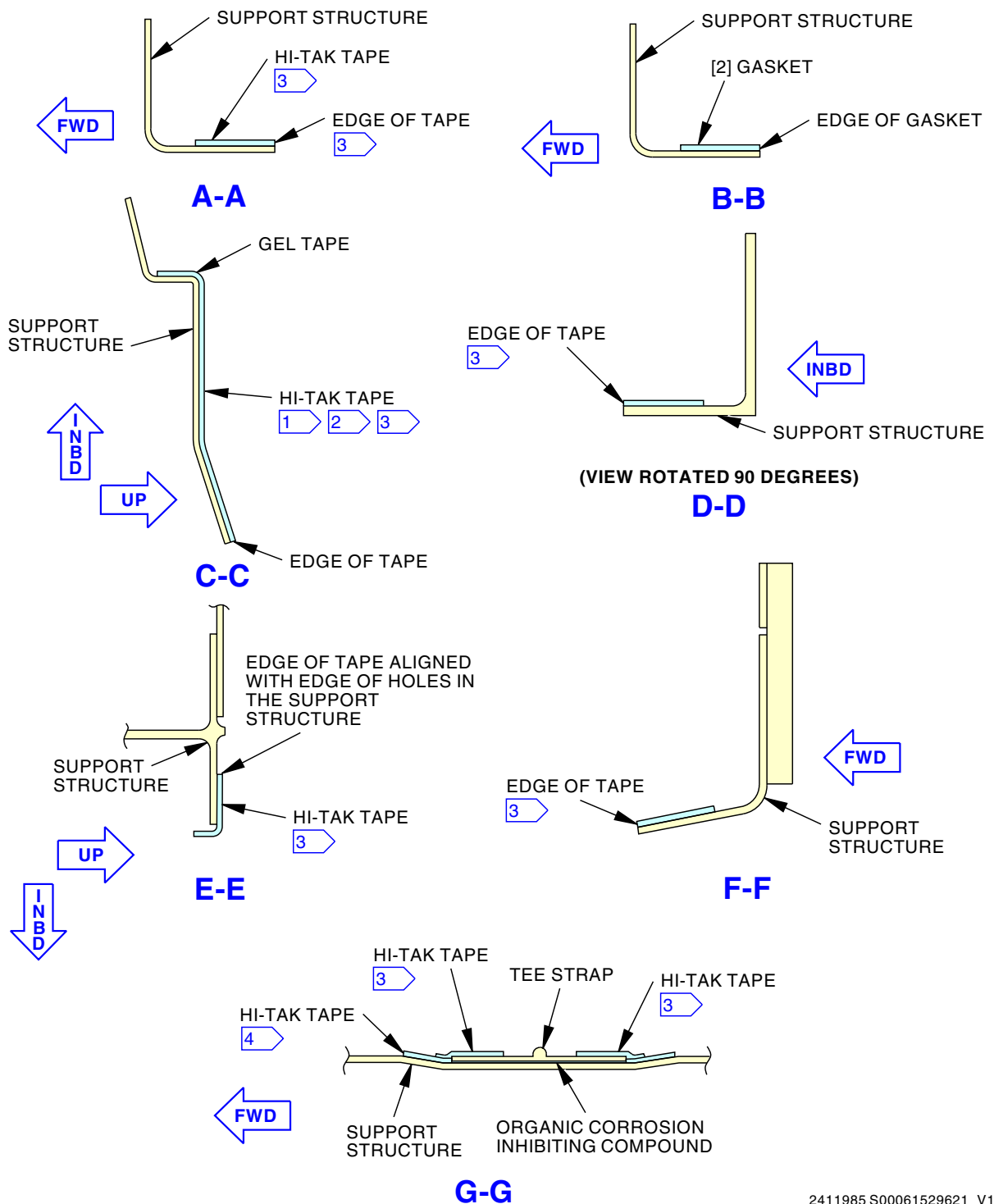
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2411985 S00061529621_V1

Aft Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 404/50-10-04-990-809 (Sheet 12 of 13)

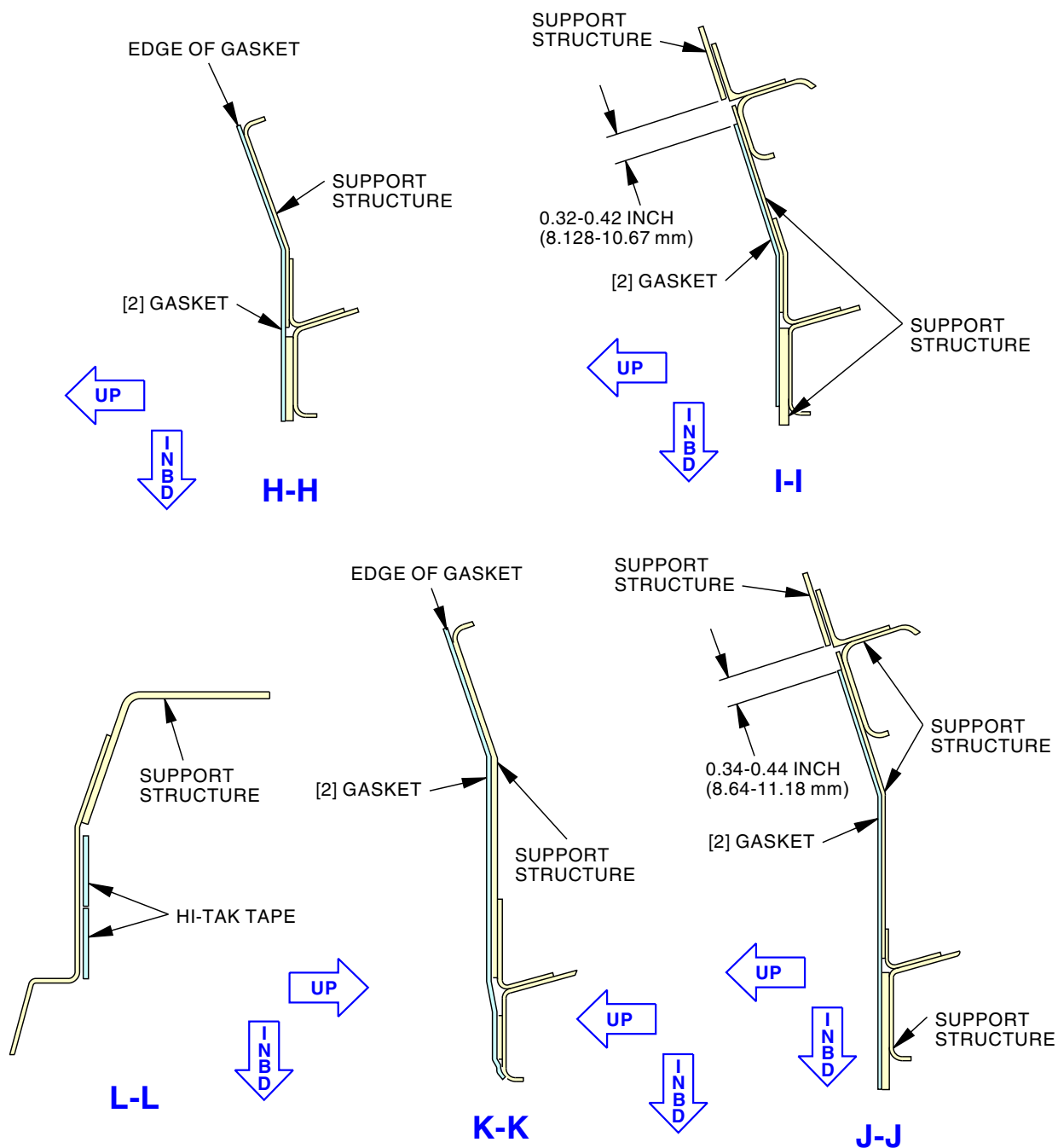
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2411986 S00061529622_V1

Aft Cargo Compartment - Cargo Deck - Tape and Gasket Installation
Figure 404/50-10-04-990-809 (Sheet 13 of 13)

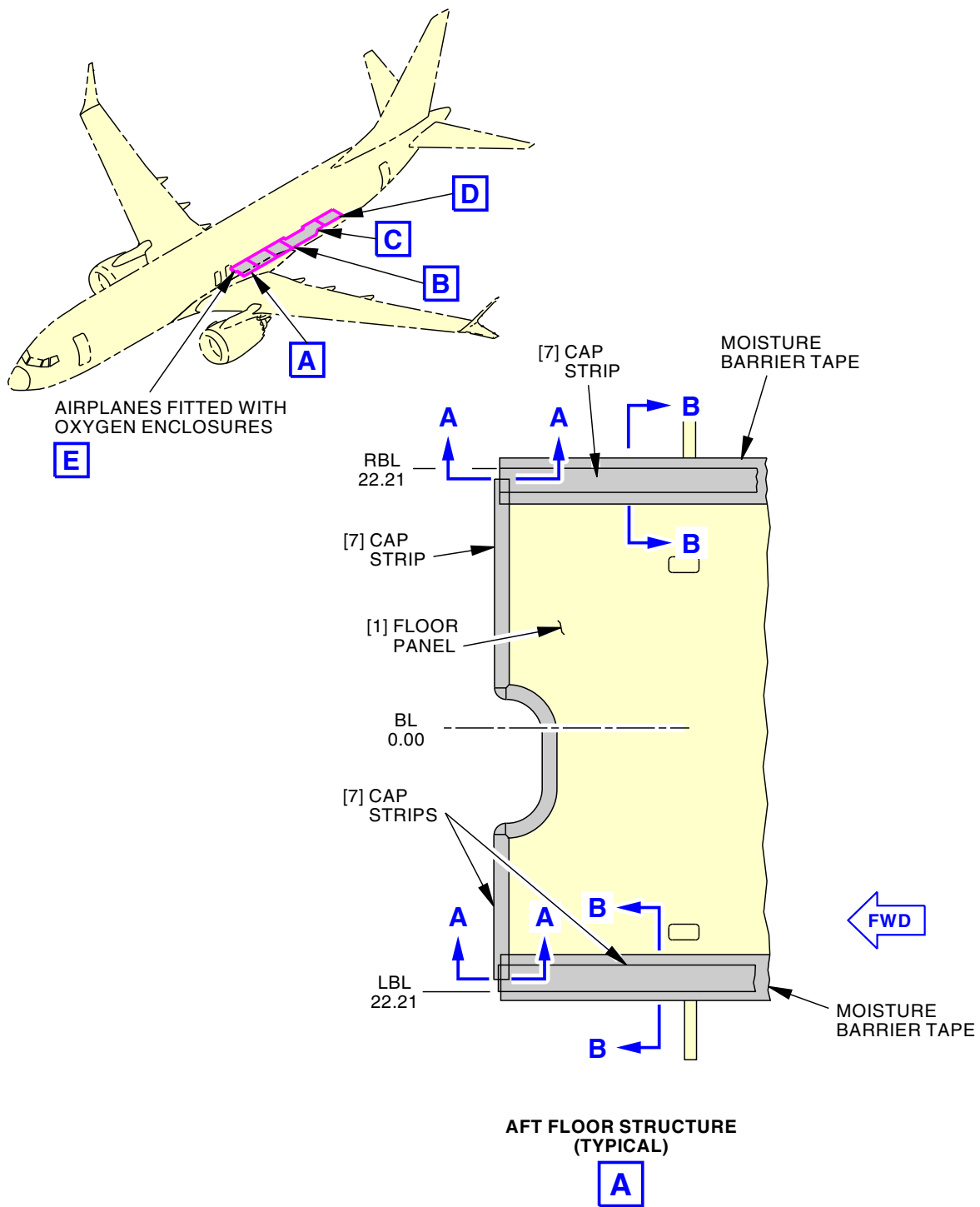
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2411987 S00061529623_V1

Aft Cargo Compartment - Cargo Deck - Moisture Barrier Tape Installation
Figure 405/50-10-04-990-810 (Sheet 1 of 6)

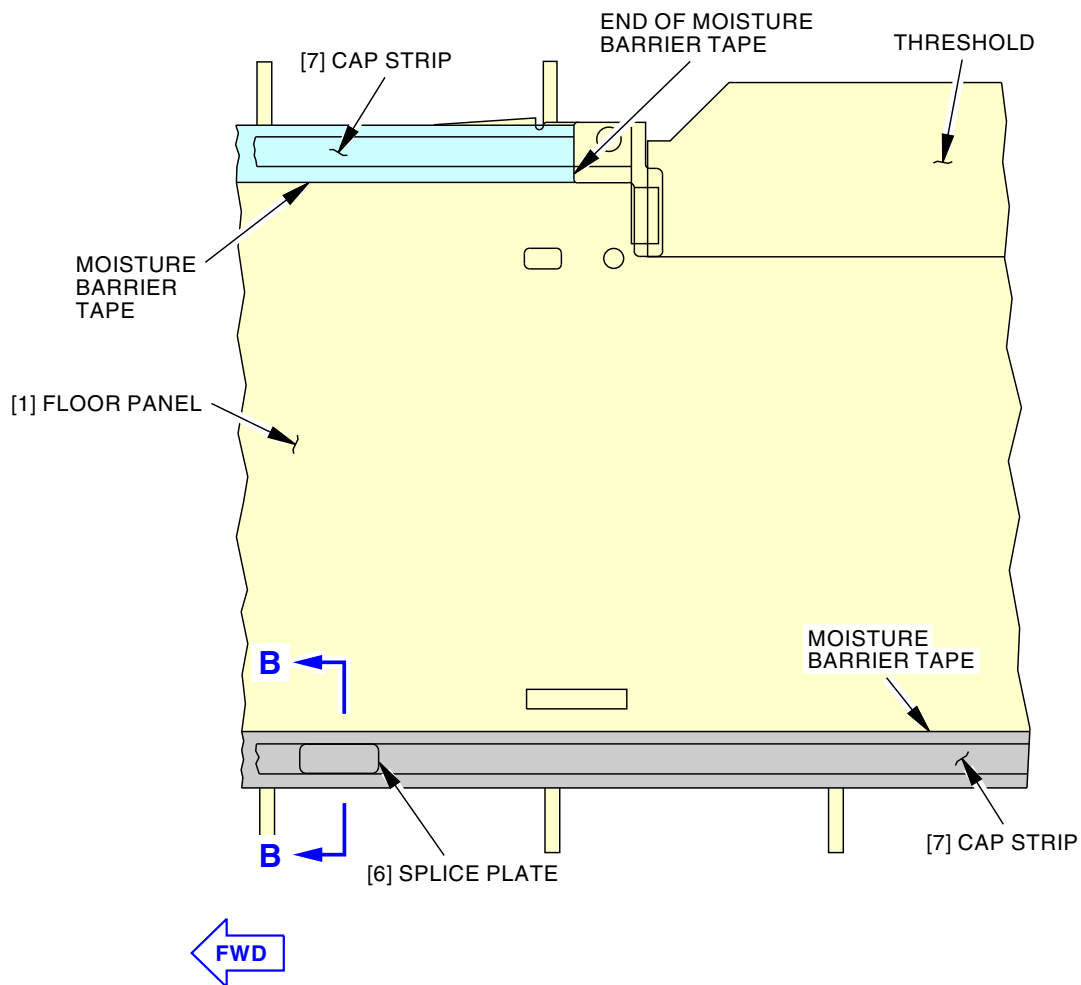
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AFT FLOOR STRUCTURE
(TYPICAL)

B

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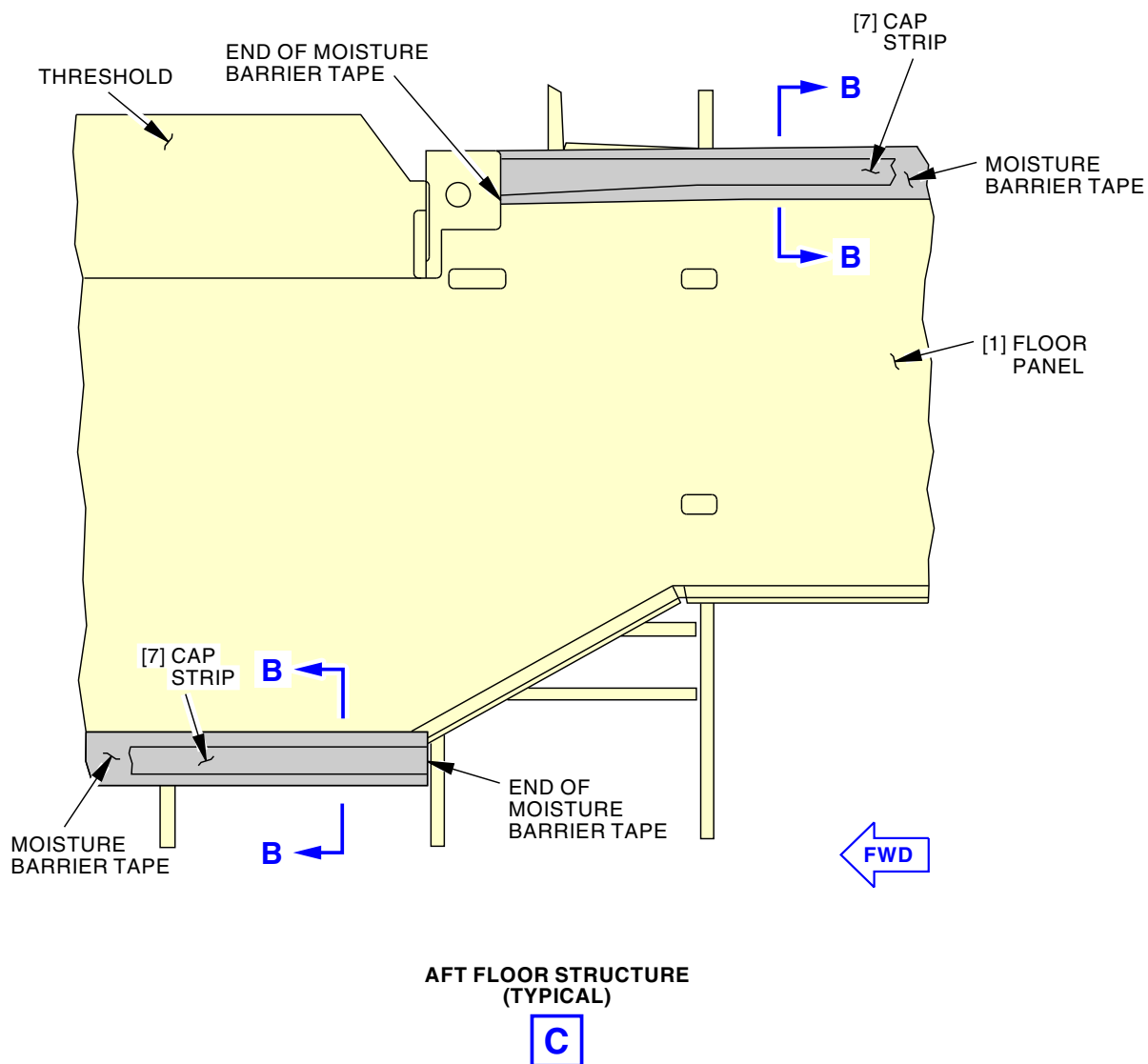
Aft Cargo Compartment - Cargo Deck - Moisture Barrier Tape Installation
Figure 405/50-10-04-990-810 (Sheet 2 of 6)

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2411989 S00061529625_V1

Aft Cargo Compartment - Cargo Deck - Moisture Barrier Tape Installation
Figure 405/50-10-04-990-810 (Sheet 3 of 6)

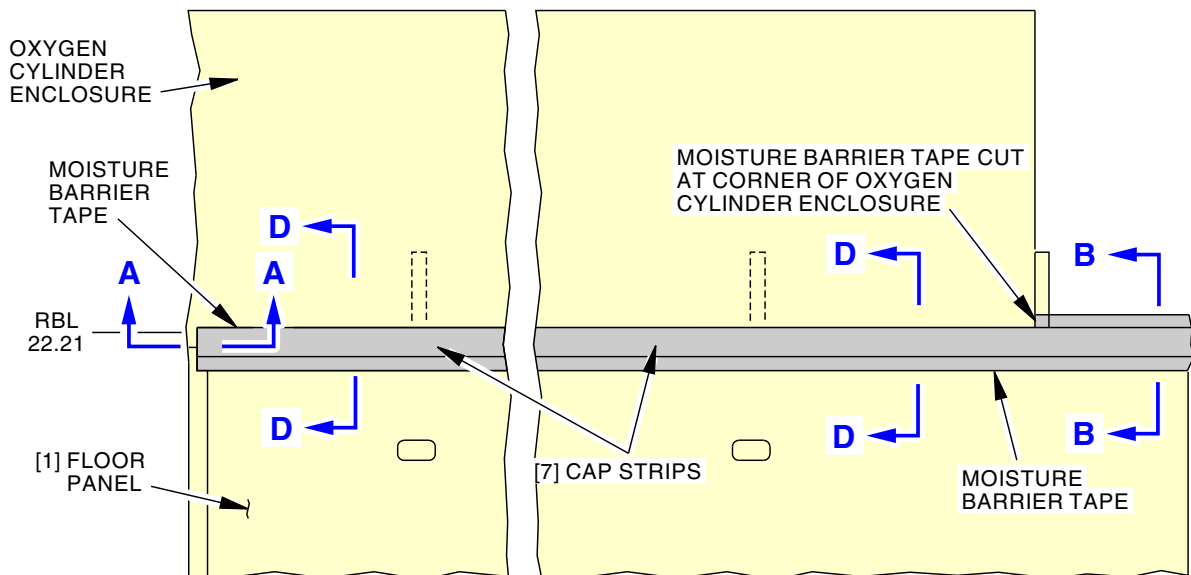
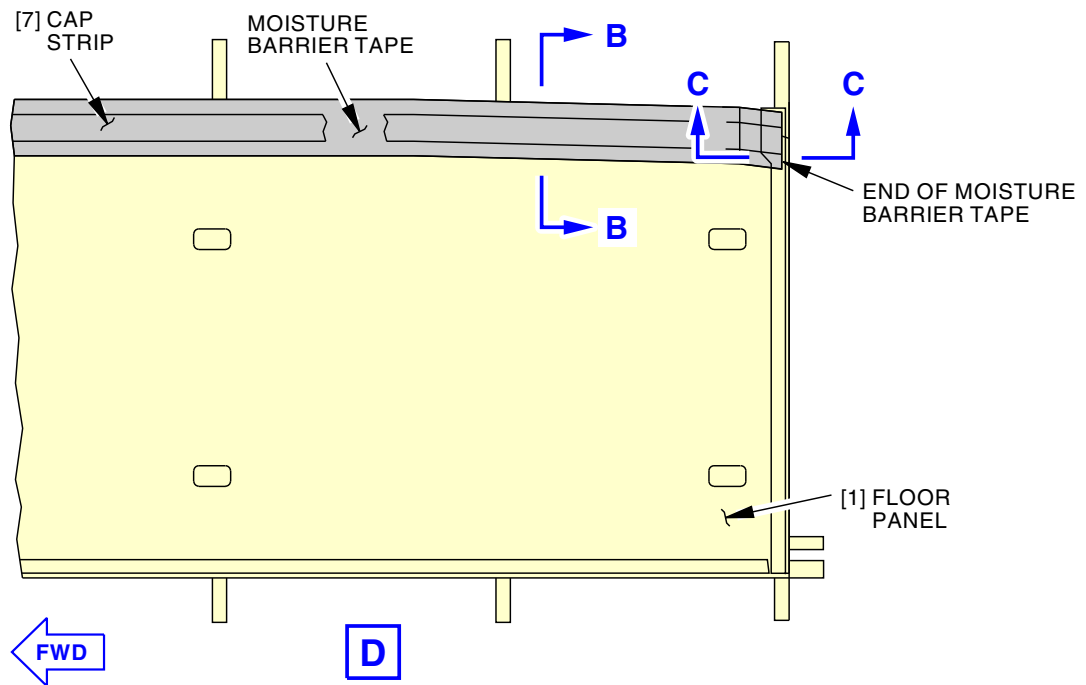
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SIA ALL

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AIRPLANES FITTED WITH OXYGEN ENCLOSURE

E

2411990 S00061529626_V1

Aft Cargo Compartment - Cargo Deck - Moisture Barrier Tape Installation
Figure 405/50-10-04-990-810 (Sheet 4 of 6)

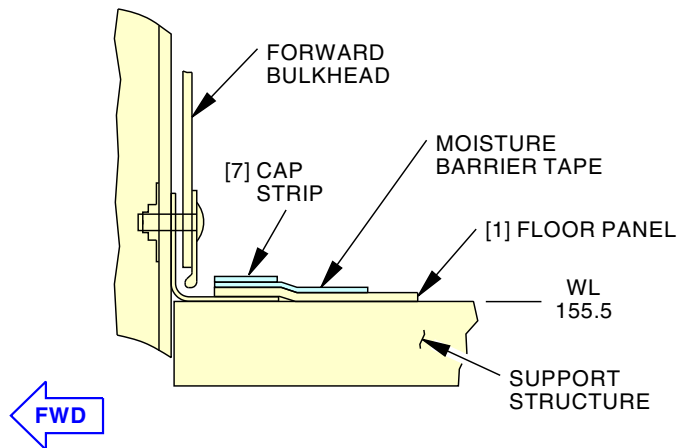
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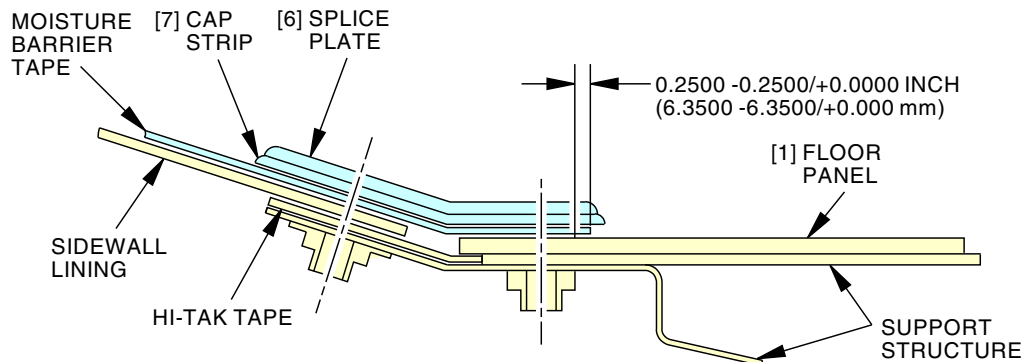
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A-A



STACK UP SHOWN AT CAP STRIP LOCATION
(VIEW ROTATED 90 DEGREES)
(TYPICAL)

B-B

2411991 S00061529627_V2

Aft Cargo Compartment - Cargo Deck - Moisture Barrier Tape Installation
Figure 405/50-10-04-990-810 (Sheet 5 of 6)

EFFECTIVITY
SIA ALL

50-10-04

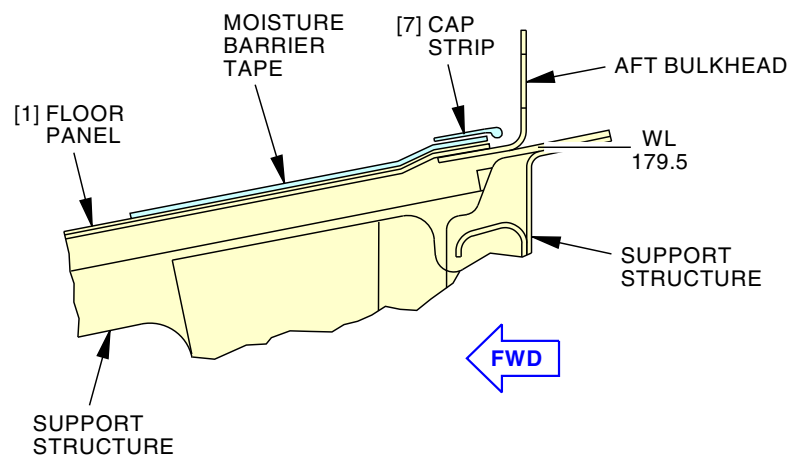
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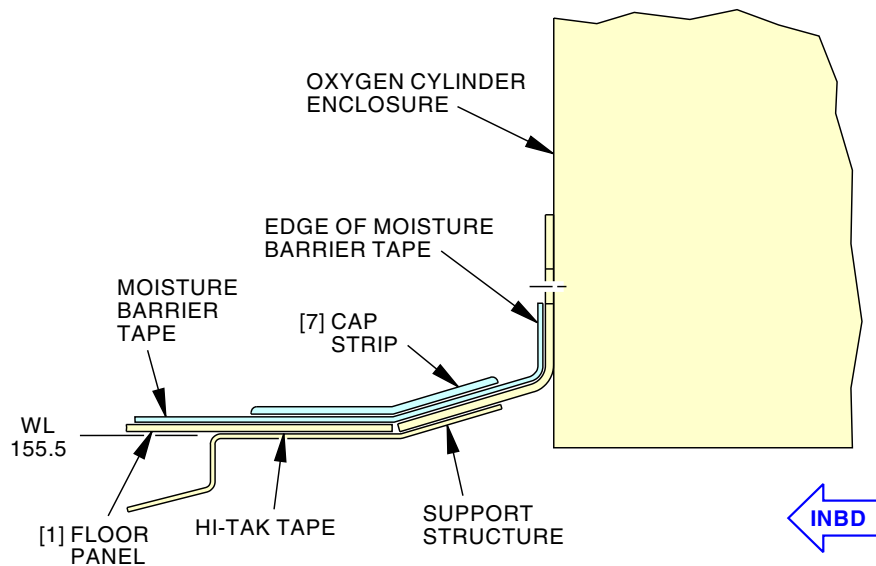
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AIRCRAFT MAINTENANCE MANUAL



STACK UP
(TYPICAL)
C-C



STACK UP
(TYPICAL)
(VIEW ROTATED 90 DEGREES)
D-D

2411992 S00061529628_V1

Aft Cargo Compartment - Cargo Deck - Moisture Barrier Tape Installation
Figure 405/50-10-04-990-810 (Sheet 6 of 6)

EFFECTIVITY
SIA ALL

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TASK 50-10-04-400-801

3. **Cargo Compartment Floor Panel Installation**

(Figure 401)

A. General

- (1) This task is for the installation of the cargo compartment floor panel.
- (2) You can make the replacement floor panel to pattern. Use the panel that was removed as a template for the replacement floor panel. Make the replacement floor panel of the same type/gauge as the panel that you will remove.

B. References

Reference	Title
50-11-01-400-801	Forward Cargo Compartment Forward Bulkhead Liner Installation (P/B 401)

C. Tools/Equipment

Reference	Description
STD-765	Scraper - Plastic

D. Consumable Materials

Reference	Description	Specification
A00247	Sealant - Pressure And Environmental - Chromate Type	BMS5-95
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III
B00184	Solvent - Presealing, Cleaning Solvent	BMS11-7
B00666	Solvent - Methyl Propyl Ketone	BMS11-9
G00009	Compound - Organic Corrosion Inhibiting	BMS3-23
G00291	Tape - Aluminum Foil, 3M 425	AMS-T-23397 / L-T-80
G02304	Tape - Moisture Barrier, Adhesive One-side	BMS8-346
G50734	Tape - Flame Retardant Hi-Tak (Av-DEC - HI-TAK HT3935-7FR-XXX)	

E. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

F. Cargo Compartment Floor Panel Installation

SUBTASK 50-10-04-210-001

- (1) Before you install the floor panels [1] examine the current seal tape.
 - (a) If the seal tape that is installed on the airplane is double sided (tacky on both sides), the tape cannot be used again and must be replaced.
 - (b) If the seal tape that is installed on the airplane is single sided (tacky on one side), the tape can be used again unless one or more of the following conditions is met:
 - 1) The seal tape was removed from the floor structure.
 - 2) The seal tape is damaged or deteriorated.

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SUBTASK 50-10-04-960-001

- (2) To remove the tape, do these steps:
- (a) Remove the tape from the floor panel [1] or on the airplane structure.
 - (b) Use a plastic scraper, STD-765, and one of these materials solvent, B00184, solvent, B00666, or solvent, B00083, to remove all dirt, adhesive or grease from the floor panel [1] or the airplane structure.

SUBTASK 50-10-04-960-002

- (3) Install HI-TAK Tape, G50734, to cover the inboard gap between the cap strips [7].

SUBTASK 50-10-04-420-001

- (4) Apply corrosion inhibiting compound, G00009, to the airplane structure where you will install the floor panel [1].

SUBTASK 50-10-04-420-002

- (5) Install HI-TAK Tape, G50734, and the gasket [2] to the airplane structure where you will install the floor panel [1] (Figure 402 and Figure 404).

NOTE: Tape that is 2 in. (51 mm) wide can be used where tape that is 3 in. (76 mm) wide would be excessive and the 2 in. (51 mm) would cover the structure.

- (a) Make sure that you install the gasket [2] with the correct dimension for the applicable airplane structure.
- (b) Align the outboard edge of the gasket [2] with the outboard edge of the support structure.

NOTE: The gasket can overhang the inboard edge of the support structure.

- (c) Make sure that the protective backing is removed from the tape before you install the tape.
- (d) Make sure that there is no overlap between gasket [2] and tape.
- (e) If the gaskets [2] are not available you can use multiple strips of HI-TAK Tape, G50734, to cover the equivalent area of the gasket [2].
 - 1) Make sure that individual strips or pieces of tape do not overlap at the edges to prevent high areas.
 - 2) Make sure that the space between each tape strip is 0.063 in. (1.600 mm) or less.

NOTE: This will make sure that the gel is in the space.

SUBTASK 50-10-04-420-003

- (6) Put the floor panel [1] in its correct position.

SUBTASK 50-10-04-420-004

- (7) Apply sealant, A00247, on the screws [3], screws [9], and bolts [4], and if it is necessary, install the screws [3] for the floor panel [1] while the sealant is wet.
- (a) If it is necessary to operate the airplane before the sealant is fully cured, install 3M 425 Aluminum Foil Tape, G00291 on the top of the sealant, A00247.
 - 1) Remove 3M 425 Aluminum Foil Tape, G00291 when sealant, A00247 is fully cured.

SUBTASK 50-10-04-420-005

- (8) Apply moisture barrier tape, G02304, on the part of the floor panel [1] that touches the cargo sidewall liner (Figure 403 and Figure 405).

- (a) Center the moisture barrier tape under the cap strips [7].

NOTE: It is necessary to use the cap strips and the measurements to mark the position.

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- (b) Make sure that the tape extends 0.2500 +0.0000 / -0.2500 in. (6.3500 +0.0000 / -6.3500 mm) past the end of the fastener.
- (c) Do not connect or overlap the moisture barrier within 6 in. (152 mm) of the splice plates [6].
- (9) If possible, use one continuous strip but you can apply the moisture barrier tape, end to end if necessary.
 - (a) Make sure that the join has an overlap of minimum 2 in. (51 mm) and a maximum of 6 in. (152 mm).

SUBTASK 50-10-04-820-001

- (10) Put the cap strips [7], splice plates [6], and tiedowns [5] in the correct locations.
 - (a) If it is necessary, install the screws [3], screw [9], and bolts [4] while the sealant is wet.

G. Put the Airplane Back to Its Usual Condition

SUBTASK 50-10-04-410-001

- (1) If it is necessary, install the forward bulkhead liner in the forward cargo compartment (TASK 50-11-01-400-801).

SUBTASK 50-10-04-420-007

- (2) Apply sealant, A00247, on all areas of the floor panel that may permit leakage.

———— **END OF TASK** ————

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CARGO COMPARTMENT NET - REMOVAL/INSTALLATION

1. **General**

A. This procedure has these tasks:

- (1) Cargo compartment net removal
- (2) Cargo compartment net installation
- (3) Cargo net snap latch replacement.

TASK 50-10-05-020-801

2. **Cargo Compartment Net Removal**

(Figure 401)

A. **General**

- (1) This task is for the removal of the cargo compartment net.

B. **References**

Reference	Title
52-31-00-580-801	Open the Cargo Door (P/B 201)

C. **Location Zones**

Zone	Area
100	Lower Half of Fuselage
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. **Prepare for the Removal**

SUBTASK 50-10-05-010-001

- (1) Do this task: Open the Cargo Door, TASK 52-31-00-580-801.

E. **Cargo Compartment Net Removal**

SUBTASK 50-10-05-030-001

- (1) Disengage the snap latches [2] to release it from the O-rings [3] on the cargo compartment net [1].

SUBTASK 50-10-05-030-002

- (2) If it is necessary, loosen the adjustable net straps [4] to release the tension in the net straps.

SUBTASK 50-10-05-030-003

- (3) Disconnect the tiedown fittings [5] from the floor attachment anchor plates in the floor and the sidewall.

SUBTASK 50-10-05-030-004

- (4) Disconnect the tiedown fittings [5] from the ceiling attachment anchor plates in the ceiling.

SUBTASK 50-10-05-020-001

- (5) Remove the cargo compartment nets [1].

————— **END OF TASK** —————

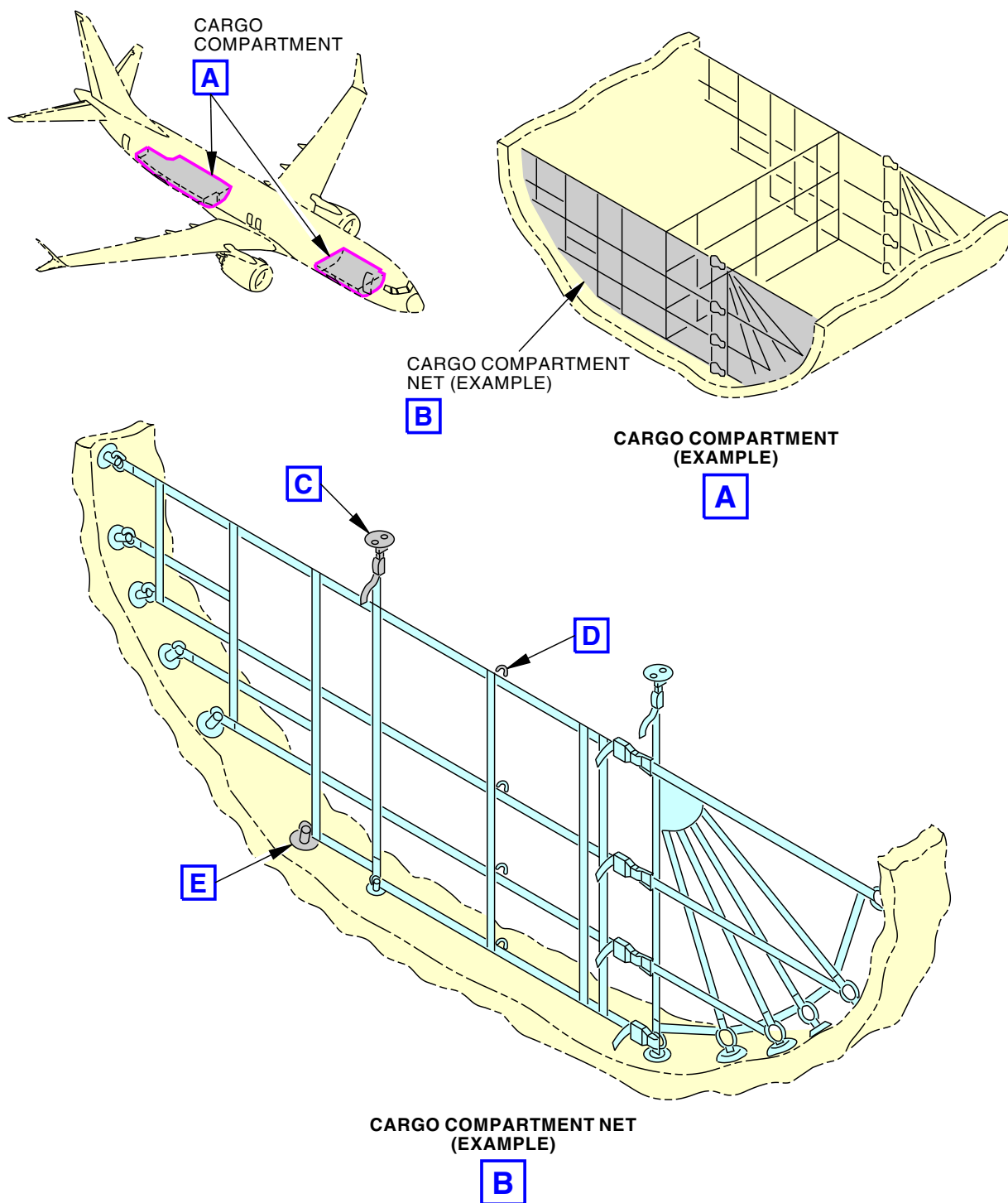
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Cargo Compartment Net Installation
Figure 401/50-10-05-990-801 (Sheet 1 of 2)

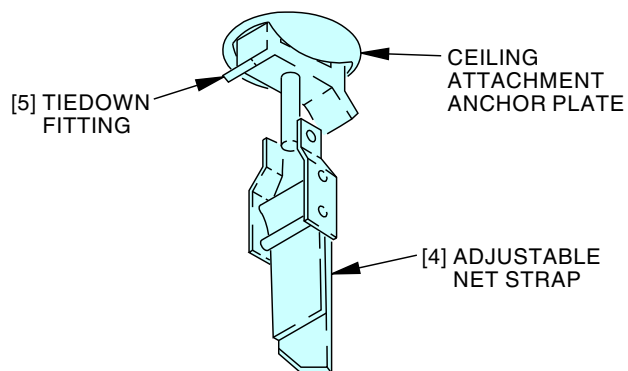
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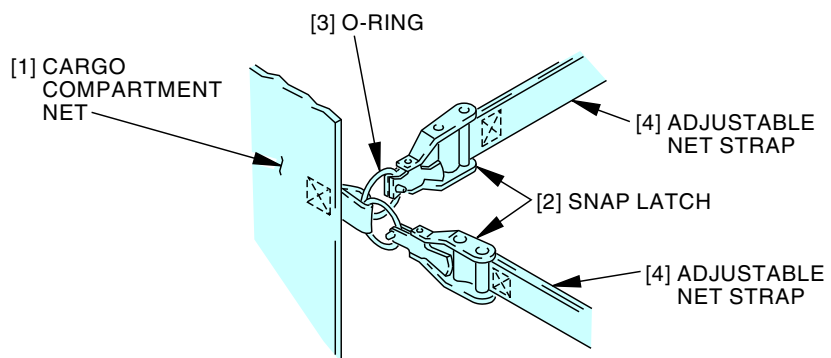
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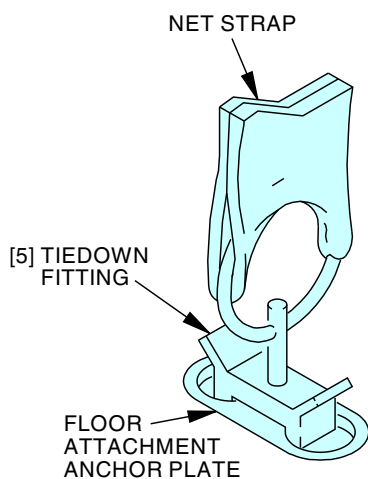
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C



D



E

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Cargo Compartment Net Installation
Figure 401/50-10-05-990-801 (Sheet 2 of 2)

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TASK 50-10-05-420-801

3. Cargo Compartment Net Installation

(Figure 401)

A. General

- (1) This task is for the installation of the cargo compartment net.

B. References

Reference	Title
52-31-00-580-802	Close the Cargo Door (P/B 201)

C. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Cargo compartment net	50-10-05-10A-020	SIA ALL
		50-10-05-10A-060	SIA ALL
		50-10-05-10A-085	SIA ALL
		50-10-05-10A-095	SIA ALL

D. Location Zones

Zone	Area
100	Lower Half of Fuselage
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

E. Cargo Compartment Net Installation

SUBTASK 50-10-05-430-001

- (1) Connect the tiedown fittings [5] to the ceiling attachment anchor plates in the ceiling.

SUBTASK 50-10-05-430-002

- (2) Connect the tiedown fittings [5] to the floor attachment anchor plates in the sidewall and the floor.

SUBTASK 50-10-05-430-003

- (3) Connect the snap latches [2] to the O-rings [3] on the cargo compartment net [1].

SUBTASK 50-10-05-430-004

- (4) Tighten the adjustable net straps [4] to increase the tension in the net straps.

F. Put the Airplane Back to Its Usual Condition

SUBTASK 50-10-05-410-002

- (1) Close the cargo door, do this task: Close the Cargo Door, TASK 52-31-00-580-802.

————— **END OF TASK** —————

TASK 50-10-05-900-801

4. Cargo Net Snap Latch Replacement

(Figure 401 and Figure 402)

A. General

- (1) This task is for the replacement of the cargo net snap latch.

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SIA ALL

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B. Consumable Materials

Reference	Description	Specification
G50386	Thread - Nylon, Class A Size F, Z Twist, Color Flat Gray per TT-L-20A	A-A-59826 (Supersedes V-T-295) Type II
G50387	Thread - Nylon, Class A Size FF, Z Twist, Color Flat Gray per TT-L-20A	A-A-59826 (Supersedes V-T-295) Type II
G50389	Webbing - Textile, Woven Nylon, 1 Inch (25.4 mm) Width, Type XVII, Color Flat Gray Per TT-L-20A	MIL-W-4088 Type XVII
G50390	Webbing - Textile, Woven Nylon, 1 Inch (25.4 mm) Width, Type XVIII, Untreated	MIL-W-4088 Type XVIII
G50391	Webbing - Textile, Woven Nylon, Impregnated	MIL-W-27265 class R, Z twist, color flat gray per TT-L-20A

C. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
2	Snap latch	50-10-05-10A-055	SIA ALL
		50-10-05-10A-075	SIA ALL
		50-10-05-10A-090	SIA ALL

D. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
123	Forward Cargo Compartment - Left
124	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

E. Snap Latch Replacement

SUBTASK 50-10-05-960-001

(1) Replace the snap latch [2] as follows:

(a) Cut the existing cargo net webbing at the end of the snap latch [2].

NOTE: These steps can be used with the other net components.

1) Note the stitch pattern.

(b) Cut a new strip of nylon webbing as follows:

1) Melt the ends to prevent unraveling.

2) Use nylon webbing, G50389, nylon webbing, G50390 or, nylon webbing, G50391 necessary for the replacement.

(c) Put the web material through the fitting.

(d) Fold the ends under.

(e) Sew the new web strip to the existing web material as follows:

1) There should be 8 stitches per inch.

2) The stitch pattern is to be a box - X pattern.

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- 3) Use nylon thread, G50386 or nylon thread, G50387 to sew the new web strip.

———— **END OF TASK** ————

EFFECTIVITY
SIA ALL

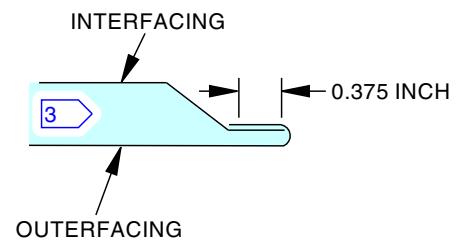
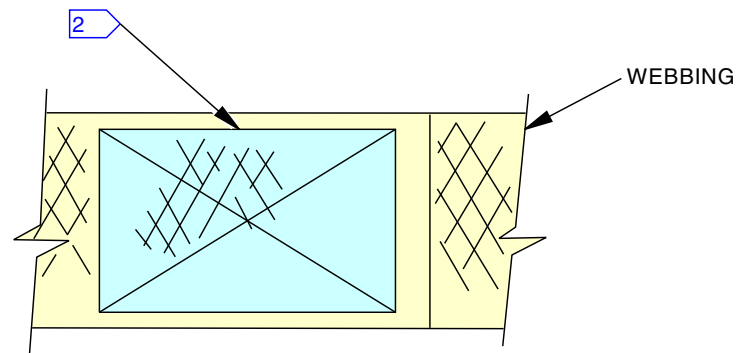
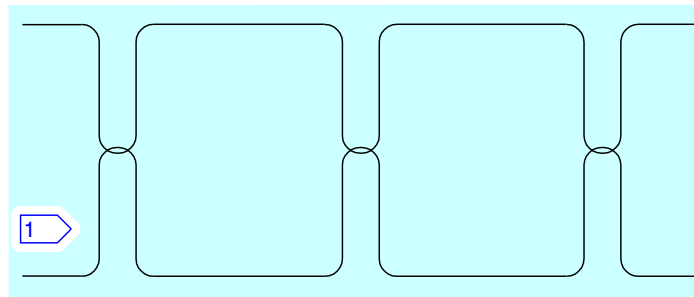
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CAUTION:

DO NOT SEW FABRIC TO FABRIC

- 1 STITCH PATTERN FOR ATTACHING FABRIC TO WEBBING WITH 8 STITCHES PER INCH ALLOWABLE.
- 2 STITCH PATTERN FOR SEWING WEBBING TO WEBBING WITH 8 STITCHES PER INCH ALLOWABLE.
- 3 FABRIC SEAM AS INDICATED

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Snap Latch Replacement
Figure 402/50-10-05-990-802 (Sheet 1 of 2)

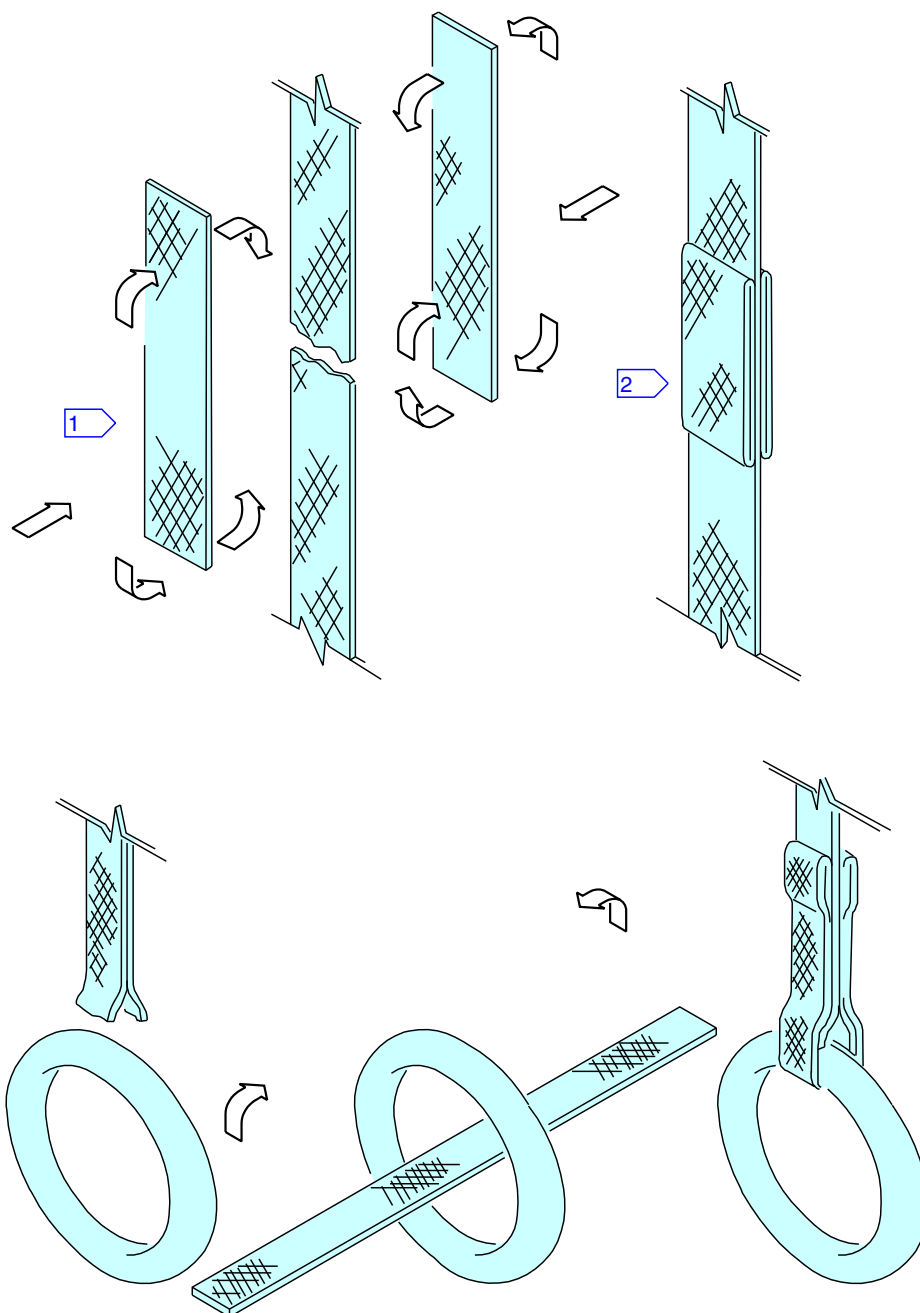
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Snap Latch Replacement
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FORWARD CARGO COMPARTMENT FORWARD BULKHEAD LINER - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) A removal of the forward cargo compartment forward bulkhead liner
- (2) An installation of the forward cargo compartment forward bulkhead liner.

TASK 50-11-01-000-801

2. Forward Cargo Compartment Forward Bulkhead Liner Removal

(Figure 401)

A. General

- (1) This task gives the instructions to remove the forward cargo compartment forward bulkhead liner.

B. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right

C. Access Panels

Number	Name/Location
121MW	PANEL ASSY - FORWARD CARGO COMPARTMENT FWD BULKHEAD
121NW	PANEL ASSY - FORWARD CARGO COMPARTMENT FWD BULKHEAD
122JW	PANEL ASSY - FORWARD CARGO COMPARTMENT FWD BULKHEAD

D. Forward Cargo Compartment Forward Bulkhead Liner Removal

SUBTASK 50-11-01-020-001

- (1) Remove the studs [6], grommets [7], retainer rings [8], and washers [3] that are around the edges of the forward bulkhead liners [1].

(a) FWD bulkhead liners:

Number	Name/Location
121MW	PANEL ASSY - FORWARD CARGO COMPARTMENT FWD BULKHEAD
121NW	PANEL ASSY - FORWARD CARGO COMPARTMENT FWD BULKHEAD
122JW	PANEL ASSY - FORWARD CARGO COMPARTMENT FWD BULKHEAD

SUBTASK 50-11-01-020-002

- (2) Remove the central forward bulkhead liner [1].

(a) Make sure that the seals [5] are attached to the airplane structure when remove the forward bulkhead liner [1].

SUBTASK 50-11-01-020-003

- (3) Remove the studs [6], grommets [7], and retainer rings [8] that are around the edges of the pressure relief panels [2].

SUBTASK 50-11-01-020-004

- (4) Remove the pressure relief panels [2].

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- (a) Make sure that the seals [5] are attached to the airplane structure when remove the pressure relief panels [2].
- (b) Remove the close-out panel [4] that attached to the central pressure relief panels [2].

SUBTASK 50-11-01-020-005

- (5) Remove the left and right forward bulkhead liners [1].
 - (a) Make sure that the seals [5] are attached to the airplane structure when remove the forward bulkhead liner [1].

———— **END OF TASK** ————

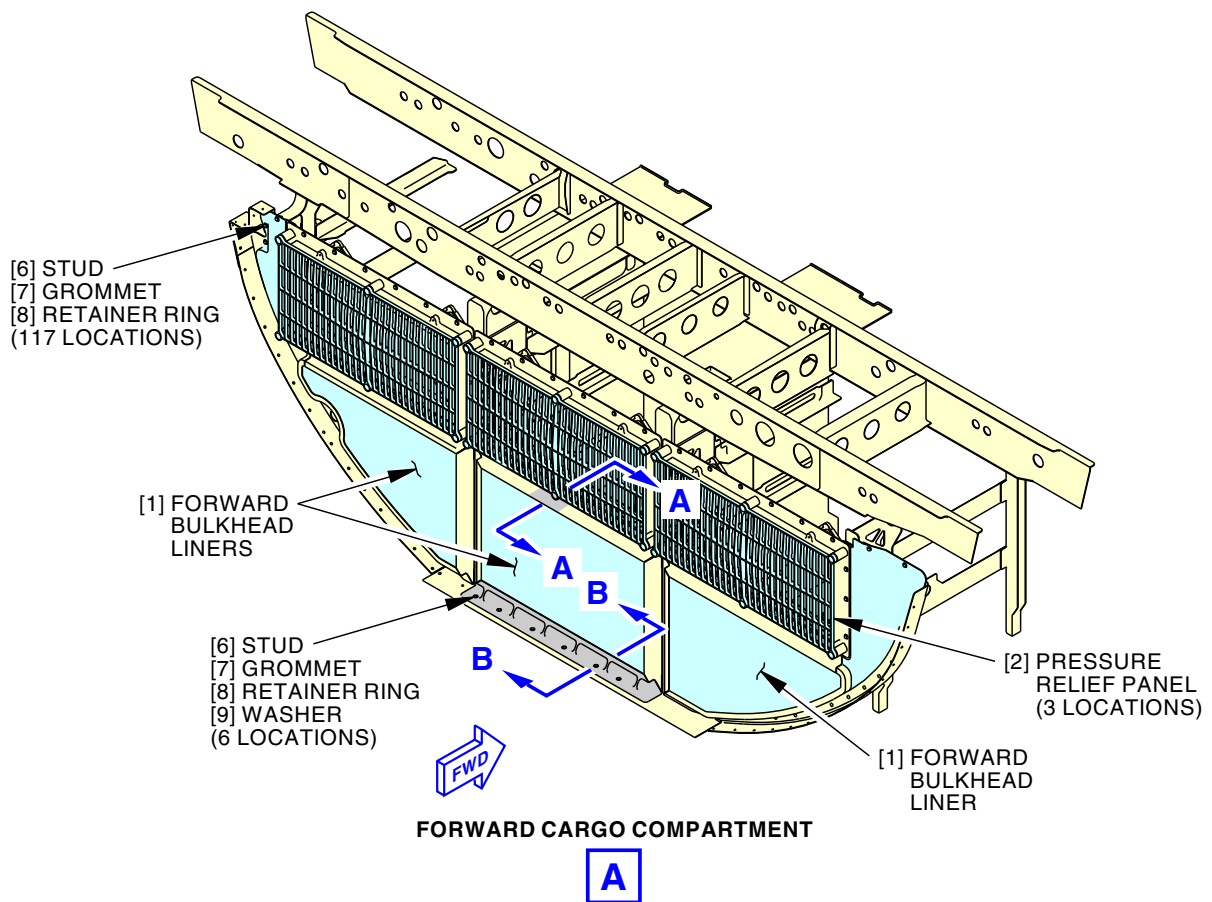
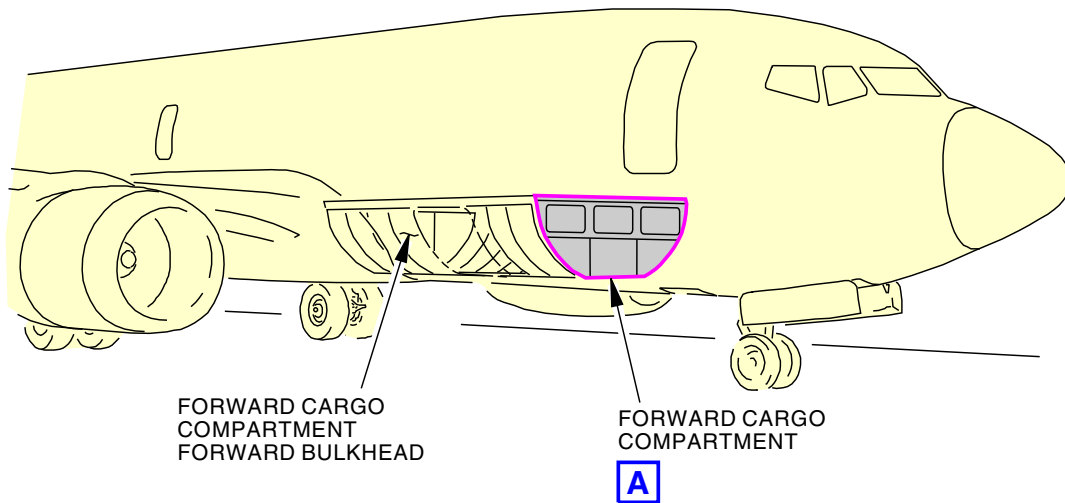
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Forward Cargo Compartment Forward Bulkhead Liner Installation
Figure 401/50-11-01-990-801 (Sheet 1 of 2)

EFFECTIVITY
SIA ALL

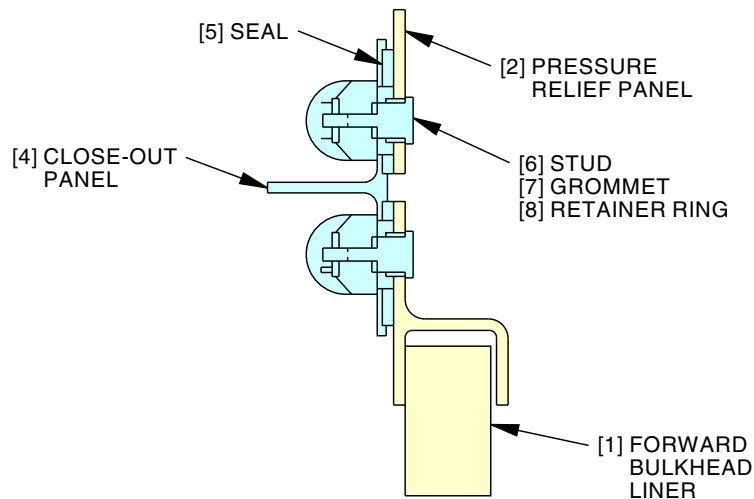
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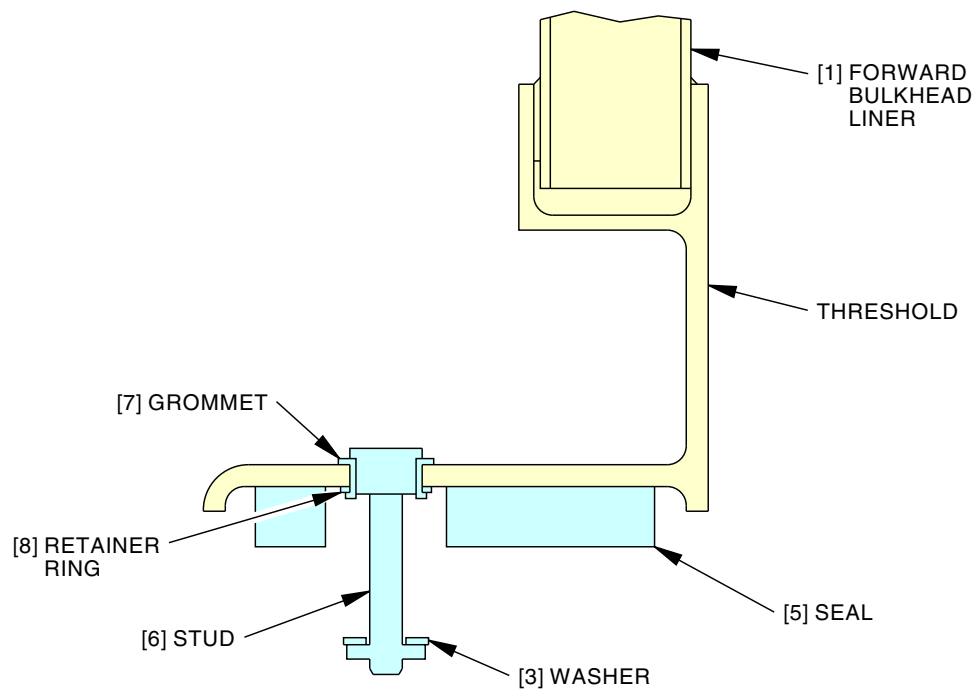
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BULKHEAD JOINT

A-A



LOWER PANEL CONNECTION

B-B

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Forward Cargo Compartment Forward Bulkhead Liner Installation
Figure 401/50-11-01-990-801 (Sheet 2 of 2)

EFFECTIVITY
SIA ALL

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TASK 50-11-01-400-801

3. **Forward Cargo Compartment Forward Bulkhead Liner Installation**

(Figure 401)

A. General

- (1) This task gives the instructions to install the forward cargo compartment forward bulkhead liner.

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Forward bulkhead liner	50-11-01-01-050	SIA ALL
		50-11-01-01-150	SIA ALL
		50-11-01-01-250	SIA ALL
2	Pressure relief panel	21-32-05-01-010	SIA ALL
4	Close-out panel	50-11-01-01-010	SIA ALL
5	Seal	50-11-01-01-015	SIA ALL
		50-11-01-01-095	SIA ALL
		50-11-01-01-100	SIA ALL
		50-11-01-01-105	SIA ALL
		50-11-01-01-110	SIA ALL
		50-11-01-01-190	SIA ALL
		50-11-01-01-195	SIA ALL
		50-11-01-01-200	SIA ALL
		50-11-01-01-205	SIA ALL
		50-11-01-01-300	SIA ALL
		50-11-01-01-305	SIA ALL
		50-11-01-01-310	SIA ALL
		50-11-01-01-315	SIA ALL

C. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right

D. Access Panels

Number	Name/Location
121MW	PANEL ASSY - FORWARD CARGO COMPARTMENT FWD BULKHEAD
121NW	PANEL ASSY - FORWARD CARGO COMPARTMENT FWD BULKHEAD
122JW	PANEL ASSY - FORWARD CARGO COMPARTMENT FWD BULKHEAD

E. Forward Cargo Compartment Forward Bulkhead Liner Installation

SUBTASK 50-11-01-210-001

- (1) Examine the seals [5] on the airplane structure.
- (a) Replace the seals [5] if they are damaged or missing.
- NOTE:** The seal must be continuous around all the edges of the opening for the liner.
- (b) Make sure that the seals [5] are attached to the airplane structure when install the forward bulkhead liners [1].

EFFECTIVITY
SIA ALL

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SUBTASK 50-11-01-420-001

(2) Put the left and right forward bulkhead liners [1] in its position.

(a) FWD bulkhead liners:

<u>Number</u>	<u>Name/Location</u>
121MW	PANEL ASSY - FORWARD CARGO COMPARTMENT FWD BULKHEAD
121NW	PANEL ASSY - FORWARD CARGO COMPARTMENT FWD BULKHEAD
122JW	PANEL ASSY - FORWARD CARGO COMPARTMENT FWD BULKHEAD

SUBTASK 50-11-01-420-002

(3) Install and lock the studs [6], grommets [7], and retainer rings [8] to attach the forward bulkhead liners [1] to the airplane structure.

NOTE: It is not necessary to apply tape to seal these liners.

SUBTASK 50-11-01-420-003

(4) Put the pressure relief panels [2] in its position.

(a) Attach the close-out panel [4] to the center pressure relief panels [2].

SUBTASK 50-11-01-420-004

(5) Install and lock the studs [6], grommets [7], and retainer rings [8] to attach the pressure relief panels [2].

SUBTASK 50-11-01-420-005

(6) Put the center forward bulkhead liner [1] in its position.

SUBTASK 50-11-01-420-006

(7) Install and lock the studs [6], grommets [7], retainer rings [8], and washers [3] to attach the central forward bulkhead liner [1].

NOTE: It is not necessary to apply tape to seal this liner.

———— **END OF TASK** ————

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FORWARD CARGO COMPARTMENT AFT BULKHEAD LINER - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Forward cargo compartment aft bulkhead liner removal
- (2) Forward cargo compartment aft bulkhead liner installation.

TASK 50-11-02-000-801

2. Forward Cargo Compartment Aft Bulkhead Liner Removal

(Figure 401)

A. General

- (1) This task gives the instructions to remove the forward cargo compartment aft bulkhead liner.

B. Location Zones

Zone	Area
125	Air Conditioning Distribution Bay - Left
126	Air Conditioning Distribution Bay - Right

C. Access Panels

Number	Name/Location
121EW	Panel Assy - FWD Cargo Compartment Aft Bulkhead
121FW	Panel Assy - FWD Cargo Compartment Aft Bulkhead Filter Cover
121GW	Panel Assy - FWD Cargo Compartment Aft Bulkhead Filter Cover
121HW	Panel Assy - FWD Cargo Compartment Aft Bulkhead
122GW	Panel Assy - FWD Cargo Compartment Aft Bulkhead
821	Forward Cargo Door

D. Prepare for the Removal

SUBTASK 50-11-02-010-001

- (1) If necessary, open this access panel:

Number	Name/Location
821	Forward Cargo Door

E. Forward Cargo Compartment Aft Bulkhead Liner Removal

SUBTASK 50-11-02-020-001

- (1) Release the quarter turn fasteners [2] that are around the edges of the bulkhead.
 - (a) Aft bulkhead liners

Number	Name/Location
121EW	Panel Assy - FWD Cargo Compartment Aft Bulkhead
121FW	Panel Assy - FWD Cargo Compartment Aft Bulkhead Filter Cover
121GW	Panel Assy - FWD Cargo Compartment Aft Bulkhead Filter Cover
121HW	Panel Assy - FWD Cargo Compartment Aft Bulkhead
122GW	Panel Assy - FWD Cargo Compartment Aft Bulkhead

SUBTASK 50-11-02-020-002

- (2) Remove the liner [4].
 - (a) Make sure that the foam seals, are attached to the structure when remove the liner [4].

————— **END OF TASK** —————

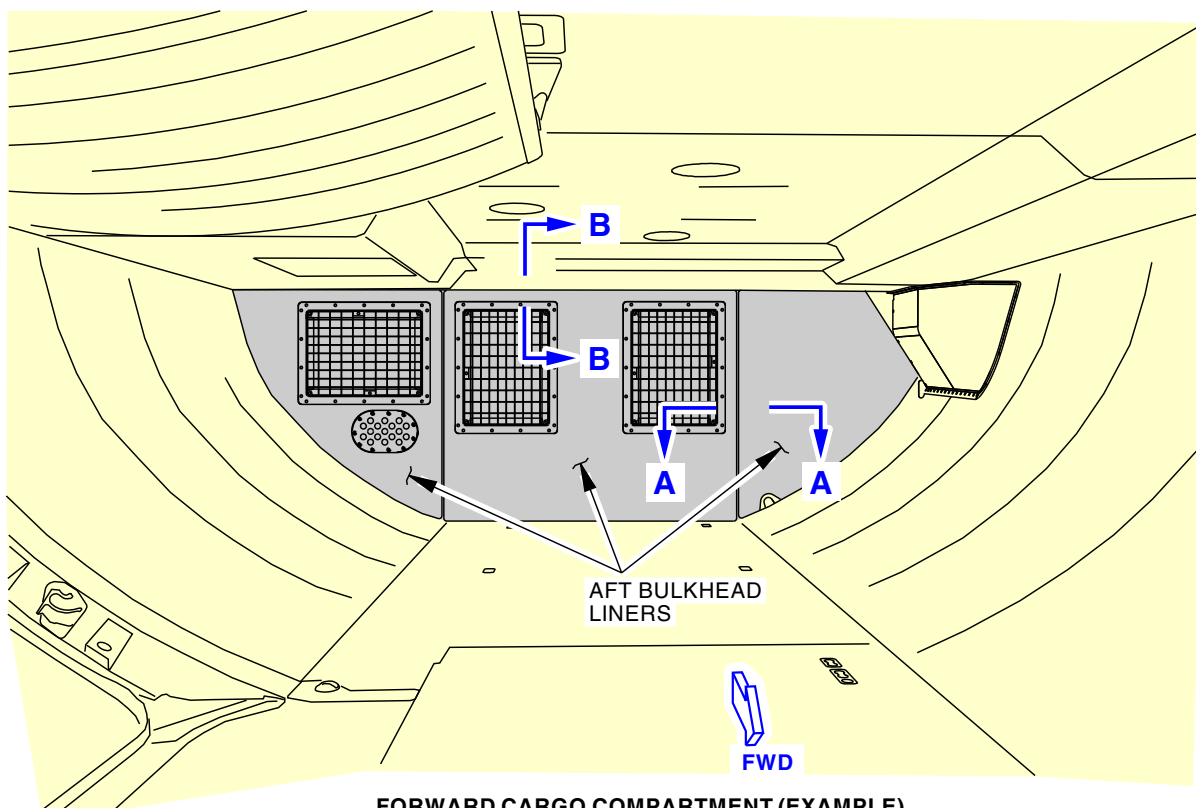
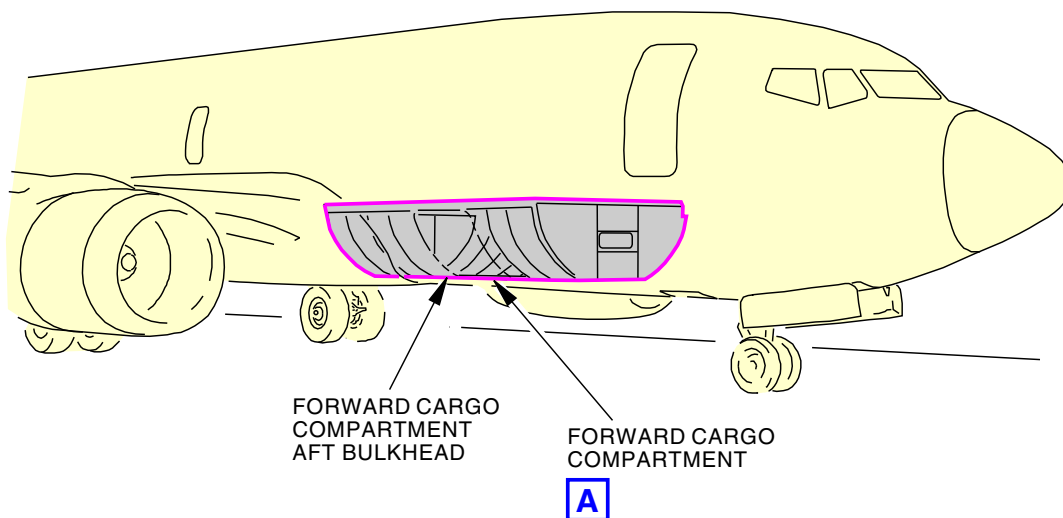
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FORWARD CARGO COMPARTMENT (EXAMPLE)

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Forward Cargo Compartment Aft Bulkhead Liner Installation
Figure 401/50-11-02-990-801 (Sheet 1 of 2)

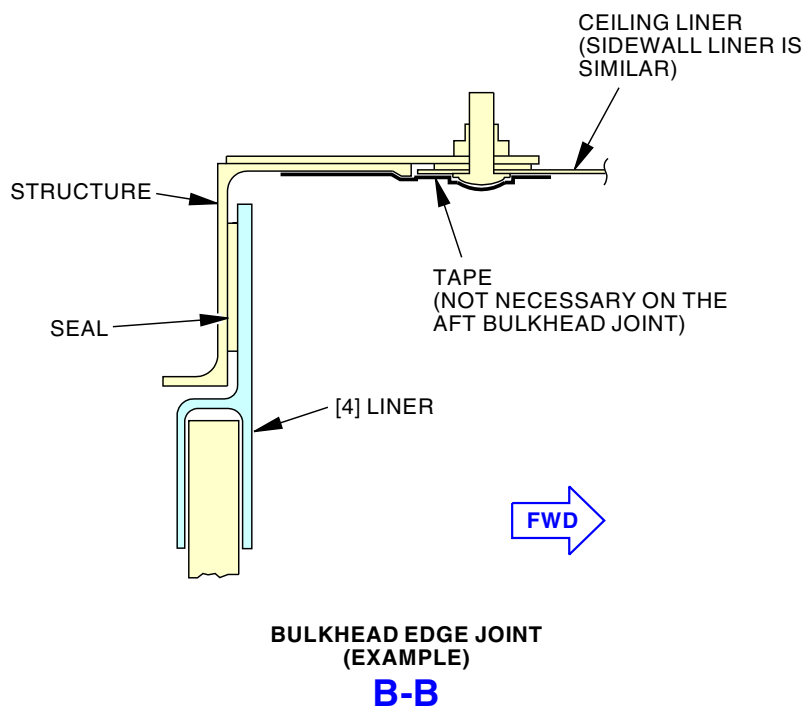
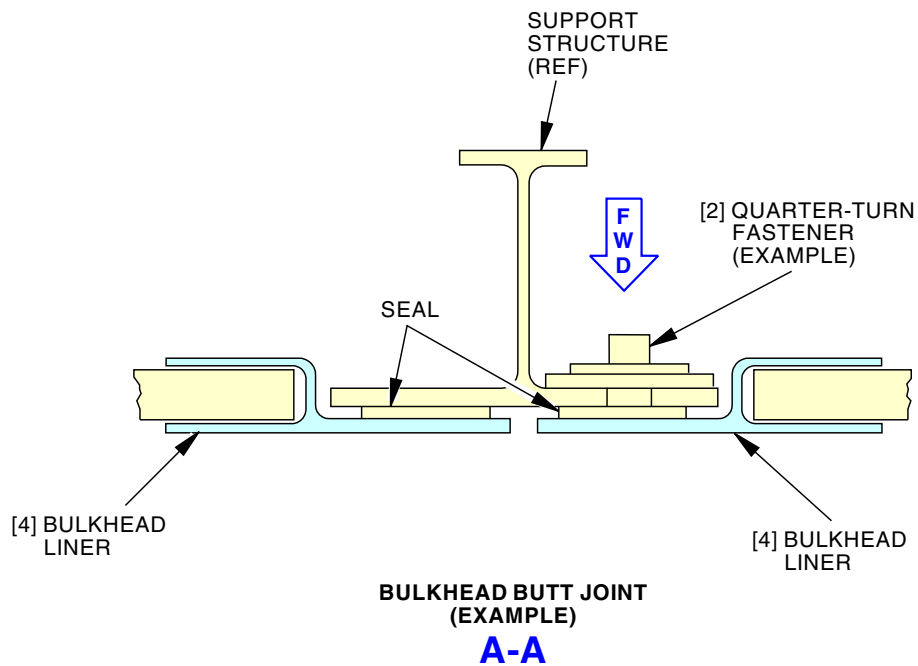
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Forward Cargo Compartment Aft Bulkhead Liner Installation
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TASK 50-11-02-400-801

3. **Forward Cargo Compartment Aft Bulkhead Liner Installation**

(Figure 401)

A. General

(1) This task gives the instructions to install the forward cargo compartment aft bulkhead liner.

B. Consumable Materials

Reference	Description	Specification
G02186	Seal - Closed Cell Silicone Foam Rubber, Hydraulic Fluid Resistant	BMS1-68 Form III

C. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
4	Liner	50-11-02-01-015	SIA 001-014
		50-11-02-01-110	SIA 001-014
		50-11-02-01-165	SIA 001-014
		50-11-02-01-200	SIA 001-014
		50-11-02-01-255	SIA 001-014
		50-11-02-03-010	SIA 015-999
		50-11-02-03-080	SIA 015-999
		50-11-02-03-135	SIA 015-999

D. Location Zones

Zone	Area
125	Air Conditioning Distribution Bay - Left
126	Air Conditioning Distribution Bay - Right

E. Access Panels

Number	Name/Location
121EW	Panel Assy - FWD Cargo Compartment Aft Bulkhead
121FW	Panel Assy - FWD Cargo Compartment Aft Bulkhead Filter Cover
121GW	Panel Assy - FWD Cargo Compartment Aft Bulkhead Filter Cover
121HW	Panel Assy - FWD Cargo Compartment Aft Bulkhead
122GW	Panel Assy - FWD Cargo Compartment Aft Bulkhead
821	Forward Cargo Door

F. Forward Cargo Compartment Aft Bulkhead Liner Installation

SUBTASK 50-11-02-210-001

(1) Examine the seal, G02186, on the structure.

(a) Replace the foam seals if they are damaged or missing.

NOTE: The foam seal must be continuous around all the edges of the opening for the liner.

SUBTASK 50-11-02-420-001

(2) Put the liner [4] in its position.

(a) Aft bulkhead liners

Number	Name/Location
121EW	Panel Assy - FWD Cargo Compartment Aft Bulkhead

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(Continued)

<u>Number</u>	<u>Name/Location</u>
121FW	Panel Assy - FWD Cargo Compartment Aft Bulkhead Filter Cover
121GW	Panel Assy - FWD Cargo Compartment Aft Bulkhead Filter Cover
121HW	Panel Assy - FWD Cargo Compartment Aft Bulkhead
122GW	Panel Assy - FWD Cargo Compartment Aft Bulkhead

SUBTASK 50-11-02-420-002

- (3) Lock the quarter turn fasteners [2] that are around the edge of the liner [4].

NOTE: It is not necessary to apply tape to seal this liner.

G. Put the Airplane Back to Its Usual Condition

SUBTASK 50-11-02-410-001

- (1) If it is no longer necessary to keep open, close this access panel:

<u>Number</u>	<u>Name/Location</u>
821	Forward Cargo Door

————— END OF TASK —————

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AFT CARGO COMPARTMENT FORWARD BULKHEAD LINER - REMOVAL/INSTALLATION

1. **General**

A. This procedure has these tasks:

- (1) Aft cargo compartment forward bulkhead liner removal
- (2) Aft cargo compartment forward bulkhead liner installation.

TASK 50-12-01-000-801

2. **Aft Cargo Compartment Forward Bulkhead Liner Removal**

(Figure 401)

A. General

- (1) This task gives the instructions to remove the aft cargo compartment forward bulkhead liner.

B. Consumable Materials

Reference	Description	Specification
G50428	Tape - Nitto P-629 (Formerly Permacel) Cargo Pit Seam Tape	BMS5-146

C. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. Aft Cargo Compartment Forward Bulkhead Liner Removal

SUBTASK 50-12-01-020-001

- (1) Remove and discard the Nitto P-629 tape, G50428.

SUBTASK 50-12-01-020-002

- (2) Remove the screws [7] from the cap strips [6] and remove the cap strips [6].

SUBTASK 50-12-01-020-003

- (3) Remove the liners in this sequence: liner [1], liner [2], liner [3], and then liner [4] or liner [5].
 - (a) To remove them, remove the screws [7] from the liner.

———— **END OF TASK** ————

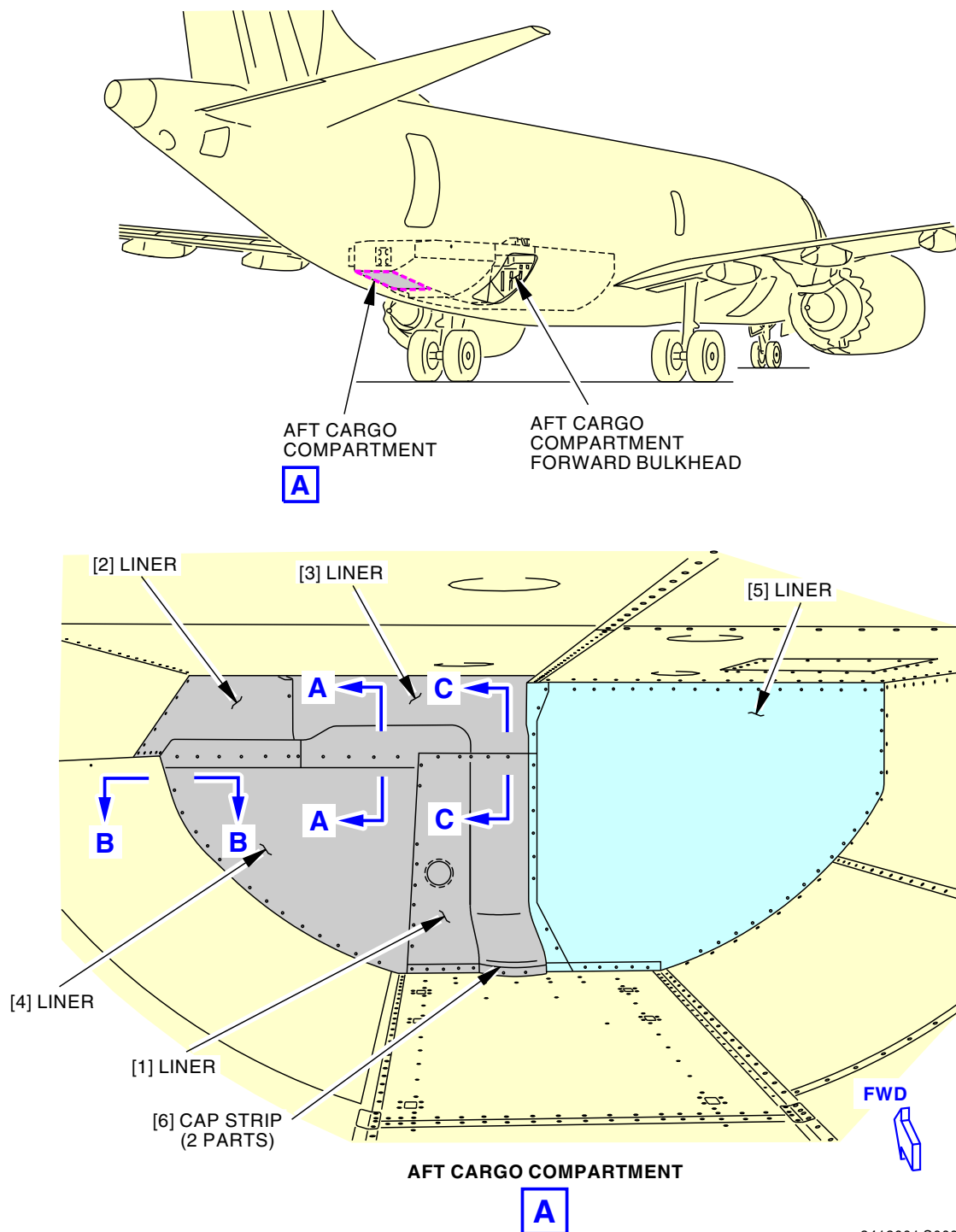
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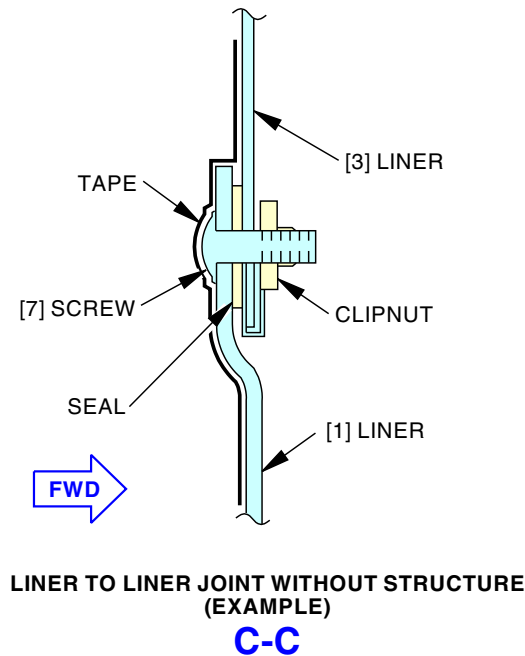
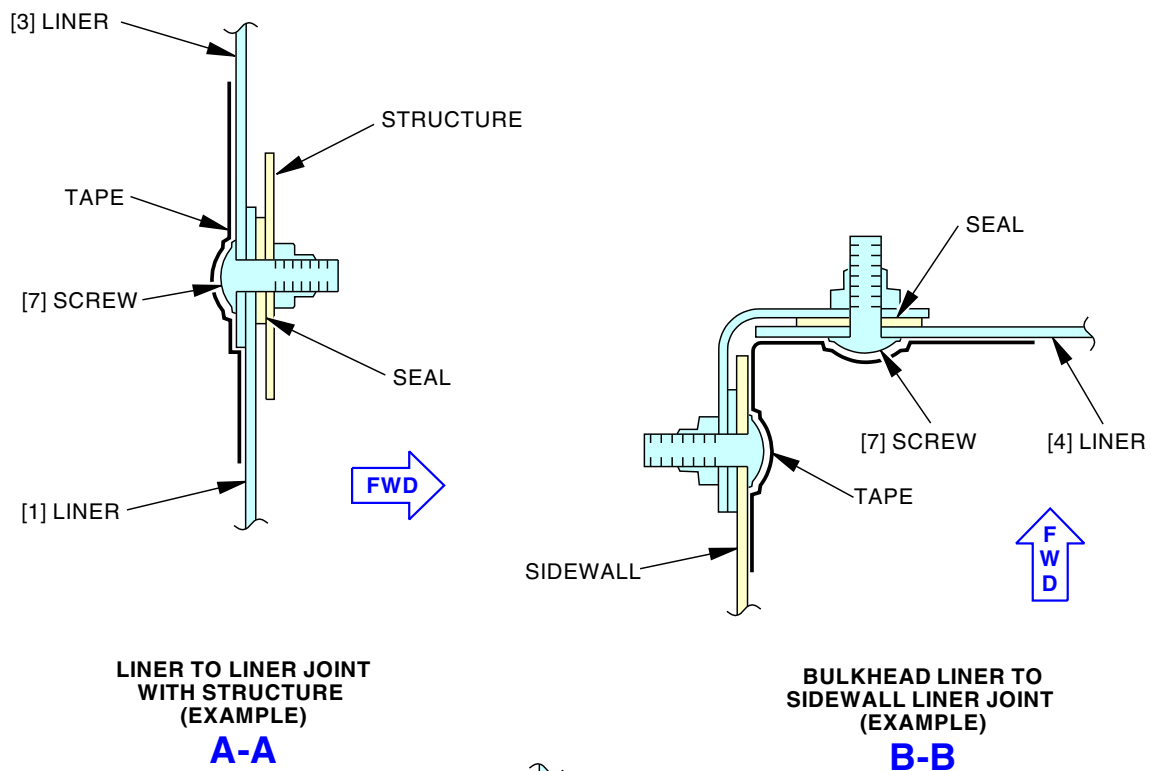
Aft Cargo Compartment Forward Bulkhead Liner Installation
Figure 401/50-12-01-990-801 (Sheet 1 of 2)

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Aft Cargo Compartment Forward Bulkhead Liner Installation
Figure 401/50-12-01-990-801 (Sheet 2 of 2)

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TASK 50-12-01-400-801

3. **Aft Cargo Compartment Forward Bulkhead Liner Installation**

(Figure 401)

A. General

- (1) This task gives the instructions to install the aft cargo compartment forward bulkhead liner.

B. Consumable Materials

Reference	Description	Specification
B00083	Solvent - VM&P Naphthas	TT-N-95 Type II, ASTM D-3735 Type III
G02186	Seal - Closed Cell Silicone Foam Rubber, Hydraulic Fluid Resistant	BMS1-68 Form III
G50428	Tape - Nitto P-629 (Formerly Permacel) Cargo Pit Seam Tape	BMS5-146

C. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Liner	50-12-02-01-035	SIA 001-004
		50-12-02-02-040	SIA 005-999
2	Liner	50-12-02-01-045	SIA 001-004
		50-12-02-02-050	SIA 005-999
3	Liner	50-12-02-01-040	SIA 001-004
		50-12-02-02-045	SIA 005-999
4	Liner	50-12-02-01-050	SIA 001-004
		50-12-02-02-055	SIA 005-999
5	Liner	50-12-02-01-065	SIA 001-004
		50-12-02-02-070	SIA 005-999

D. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

E. Aft Cargo Compartment Forward Bulkhead Liner Installation

SUBTASK 50-12-01-210-001

- (1) Examine the seal, G02186, on the structure. Also examine seal, G02186, on the liners.

NOTE: The foam seal must be continuous around all the edges of the opening for each piece of the liner. Most of the foam seals should be on the structure. However, there should be foam seals between the liners when two liners have an overlap at a location where there is no structure. That is, where the liner has clip nuts on it, it should have a foam seal.

- (a) Replace the foam seals if they are damaged or missing.

SUBTASK 50-12-01-420-001

- (2) Install the liners in this sequence: liner [4] and liner [5], then liner [3], liner [2], and liner [1].

- (a) To install the liners, put the liner in its position and install the screws [7].

SUBTASK 50-12-01-420-002

- (3) Install the cap strips [6] with the screws [7].

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SUBTASK 50-12-01-110-001



DO NOT LET THE SOLVENT TOUCH PLASTICS, CONTROL CABLES, LUBRICATED AREAS, PLASTIC DECALS, OR PAINTED AREAS OR MARKINGS THAT ARE NOT SKYDROL RESISTANT. THE SOLVENT WILL CAUSE DAMAGE TO THESE ITEMS.

- (4) Clean the areas where you will apply tape with solvent, B00083.

SUBTASK 50-12-01-420-003

- (5) Apply the new Nitto P-629 tape, G50428, on all the joints and edges of the liners. Apply the tape with the minimum number of joints in it.
- (a) Make sure the tape is within shelf life limits for optimum tape adhesion.
 - (b) Where possible, apply the tape to warm surfaces that are approximately 60°F (16°C) or higher, to help promote good adhesion.
 - (c) If it is necessary to use short pieces of Nitto P-629 tape, G50428, make a minimum overlap of 0.50 in. (12.70 mm).
 - (d) Push the Nitto P-629 tape, G50428 firmly to make sure there is a good bond.

NOTE: There is a good bond if the surface of the tape is smooth and does not have air bubbles.

———— **END OF TASK** ————

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AFT CARGO COMPARTMENT AFT BULKHEAD PANEL - REMOVAL/INSTALLATION

1. **General**

A. This procedure has these tasks:

- (1) Aft cargo compartment aft bulkhead liner removal
- (2) Aft cargo compartment aft bulkhead liner installation.

TASK 50-12-02-000-801

2. **Aft Cargo Compartment Aft Bulkhead Liner Removal**

(Figure 401)

A. General

- (1) This task gives the instructions to remove the aft cargo compartment aft bulkhead liner.

B. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Aft Cargo Compartment Aft Bulkhead Liner Removal

SUBTASK 50-12-02-020-001

- (1) Release the quarter-turn fasteners [2] that are around the edges of the bulkhead liner [1].

SUBTASK 50-12-02-020-002

- (2) Remove the liner [1].

NOTE: Make sure the foam seals are attached to the structure when you remove the liner [1].

————— **END OF TASK** —————

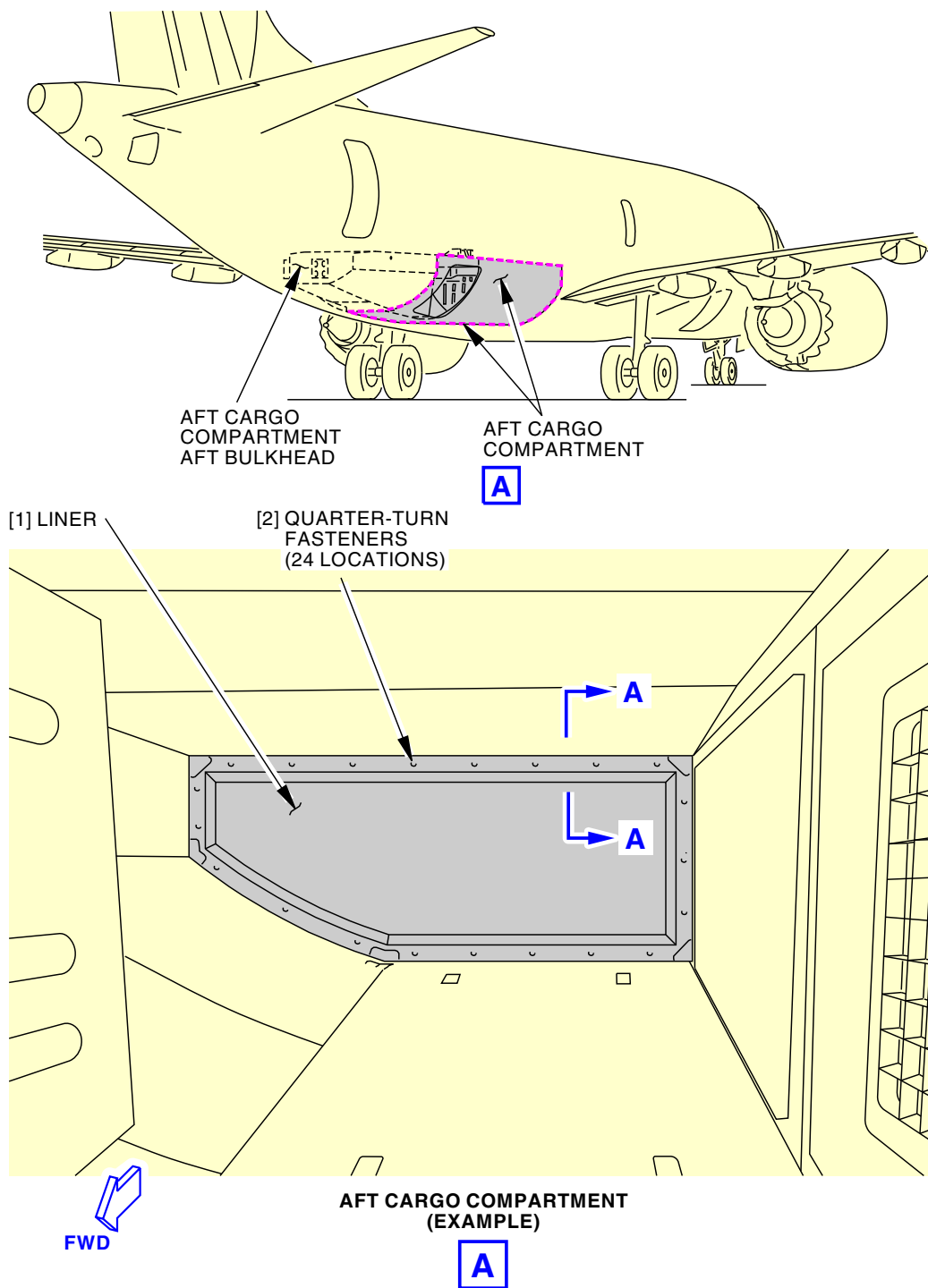
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Aft Cargo Compartment Aft Bulkhead Liner Installation
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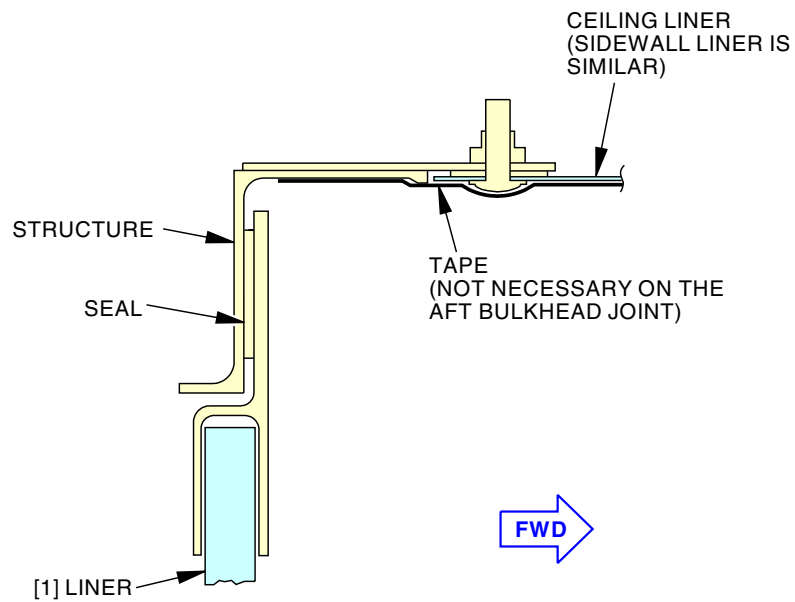
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BULKHEAD EDGE JOINT
(EXAMPLE)
A-A

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Aft Cargo Compartment Aft Bulkhead Liner Installation
Figure 401/50-12-02-990-801 (Sheet 2 of 2)

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TASK 50-12-02-400-801

3. **Aft Cargo Compartment Aft Bulkhead Liner Installation**

(Figure 401)

A. General

(1) This task gives the instructions to install the aft cargo compartment aft bulkhead liner.

B. Consumable Materials

Reference	Description	Specification
G02186	Seal - Closed Cell Silicone Foam Rubber, Hydraulic Fluid Resistant	BMS1-68 Form III

C. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Liner	50-12-02-11-010	SIA 001-014
		50-12-02-13-010	SIA 015-999

D. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

E. Aft Cargo Compartment Aft Bulkhead Liner Installation

SUBTASK 50-12-02-210-001

(1) Examine the seal, G02186, on the structure.

(a) Replace the foam seals if they are damaged or missing.

NOTE: The foam seal must be continuous around all the edges of the opening for the liner [1].

SUBTASK 50-12-02-420-001

(2) Put the liner [1] in its position.

SUBTASK 50-12-02-420-002

(3) Lock the quarter-turn fasteners [2] that are around the edges of the liner [1].

NOTE: You do not need to apply tape to seal this liner [1].

————— **END OF TASK** —————

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WASTE TANK ENCLOSURE PANELS - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Waste tank enclosure panel removal
- (2) Waste tank enclosure panel installation.

TASK 50-12-03-000-801

2. Waste Tank Enclosure Panel Removal

(Figure 401)

A. **General**

- (1) This task gives the instructions to remove the waste tank enclosure panel.
- (2) Do this task for the other panels if it is necessary to remove the full enclosure.

B. **Location Zones**

Zone	Area
------	------

141	Aft Cargo Compartment - Left
-----	------------------------------

C. **Waste Tank Enclosure Panel Removal**

SUBTASK 50-12-03-020-001

- (1) Release the quick-release fasteners [2].

SUBTASK 50-12-03-020-002

- (2) Remove the waste tank enclosure panel [1] from the support structure.

———— **END OF TASK** ————

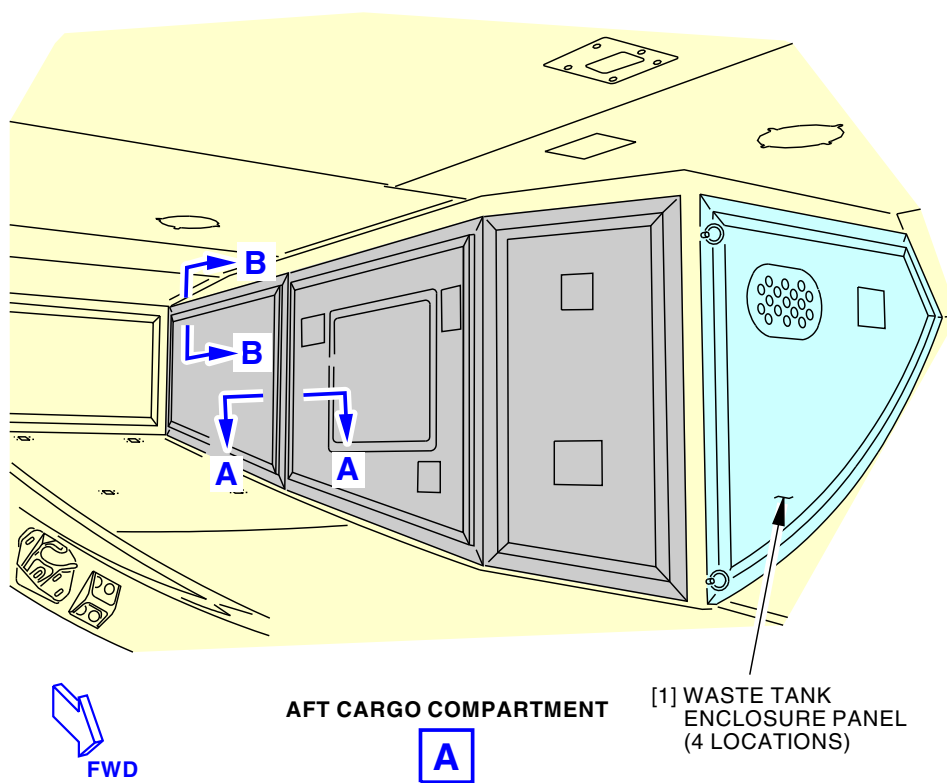
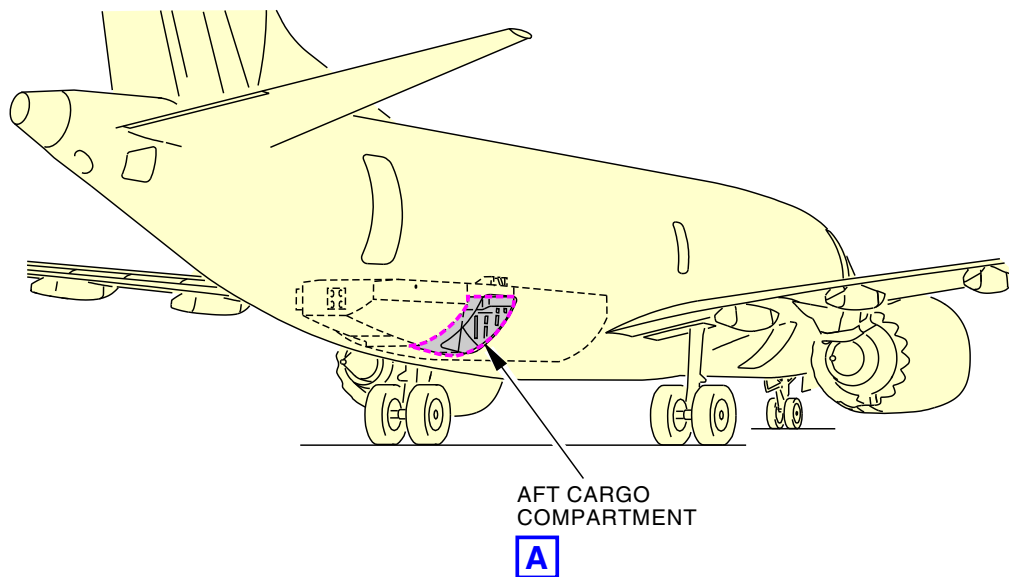
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Waste Tank Enclosure Panels Installation
Figure 401/50-12-03-990-801 (Sheet 1 of 2)

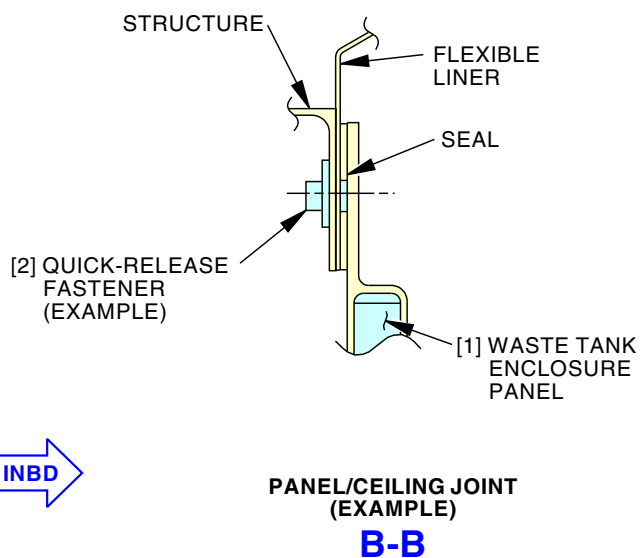
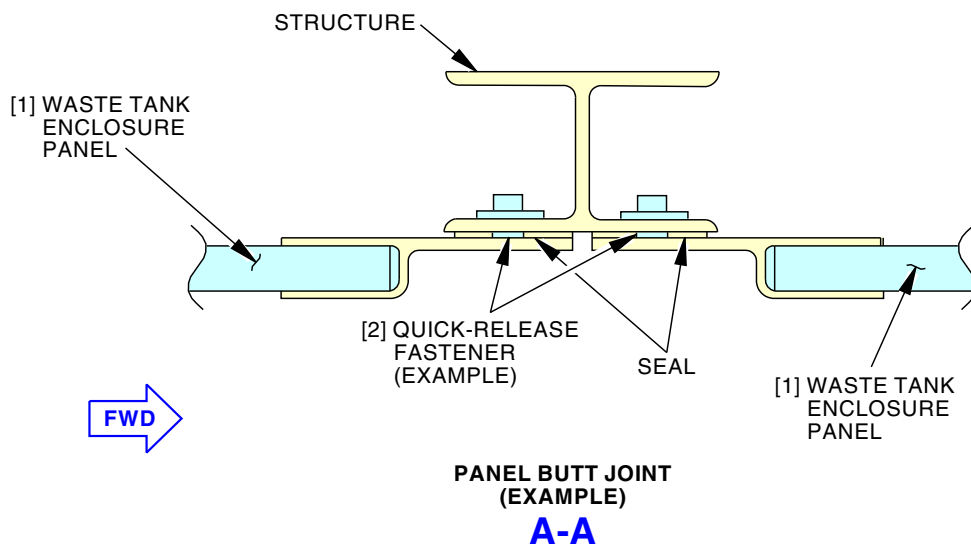
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Waste Tank Enclosure Panels Installation
Figure 401/50-12-03-990-801 (Sheet 2 of 2)

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TASK 50-12-03-400-801

3. **Waste Tank Enclosure Panel Installation**

(Figure 401)

A. General

(1) This task gives the instructions to install the waste tank enclosure panel.

B. Consumable Materials

Reference	Description	Specification
G02186	Seal - Closed Cell Silicone Foam Rubber, Hydraulic Fluid Resistant	BMS1-68 Form III

C. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Waste tank enclosure panel	50-12-03-01-015	SIA 001-014
		50-12-03-01-190	SIA 001-004
		50-12-03-01-195	SIA 001-004
		50-12-03-01-340	SIA 001-004
		50-12-03-01-345	SIA 001-004
		50-12-03-01-415	SIA 001-004
		50-12-03-01-420	SIA 001-004
		50-12-03-01-585	SIA 005-014
		50-12-03-01-690	SIA 005-014
		50-12-03-01-780	SIA 005-014
		50-12-03-02-020	SIA 015-999
		50-12-03-02-240	SIA 015-999
		50-12-03-02-245	SIA 015-999
		50-12-03-02-250	SIA 015-999

D. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left

E. Waste Tank Enclosure Panel Installation

SUBTASK 50-12-03-210-001

(1) Examine the seal, G02186, on the structure.

(a) Replace the foam seals if they are damaged or missing.

NOTE: The foam seal must be continuous around all the edges of the opening for the panel.

SUBTASK 50-12-03-210-002

(2) Make sure the small flexible liner section (between the top of the panel and the ceiling liner) is in its position.

NOTE: The holes in the flexible liner must align with the fasteners in the structure.

SUBTASK 50-12-03-420-001

(3) Put the waste tank enclosure panel [1] against the support structure.

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SIA ALL

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SUBTASK 50-12-03-420-002

- (4) Turn the quick-release fasteners [2] clockwise to attach the waste tank enclosure panel [1] to the support structure.

NOTE: You do not need to apply tape to seal this liner.

———— **END OF TASK** ————

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ELECTRICAL EQUIPMENT RACK MOISTURE SHROUD - REMOVAL/INSTALLATION

1. **General**

- A. This procedure has these tasks:
- (1) E1/E5 moisture shroud removal
 - (2) E1/E5 moisture shroud installation
 - (3) E2/E3/E4 moisture shroud removal
 - (4) E2/E3/E4 moisture shroud installation
 - (5) E6 moisture shroud removal
 - (6) E6 moisture shroud installation.

TASK 50-51-00-000-801

2. **E1/E5 Moisture Shroud Removal**

(Figure 401)

A. General

- (1) This task gives the instructions to remove the E1/E5 moisture shroud.

B. References

Reference	Title
50-51-00-210-801	EE Center Moisture Shroud Visual Inspection (P/B 601)

C. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right

D. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

E. E1/E5 Moisture Shroud Removal

SUBTASK 50-51-00-010-001

- (1) Open this access panel:

Number	Name/Location
117A	Electronic Equipment Access Door

SUBTASK 50-51-00-020-001

- (2) Do these steps to remove the E1/E5 moisture shroud [1] from the forward Electronic Equipment (EE) compartment:

NOTE: To remove the forward center, forward right, or the aft right moisture shrouds, you must remove the adjacent moisture shroud first.

- (a) Disconnect the drain tube [4].
 - 1) Loosen the hose clamp [5] that attaches the drain tube [4] to the moisture shroud [1].
 - 2) Disconnect the drain tube [4] from the moisture shroud [1].
- (b) Remove the screws [13], washers [12], and plastic washers [11] that attach the moisture shroud [1] to the bracket [9].

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- (c) Remove the bolts [8], washers [7], and spacers [6] that attach the moisture shroud [1] to the floor beam.
- (d) Remove the applicable moisture shroud [1].
- (e) Remove the applicable seals.
 - 1) Remove the seal [10].
 - 2) If you removed the three forward moisture shrouds [1], then remove the seal [3].
 - 3) If you removed all four moisture shrouds [1], then remove the seal [3] and seal [2].

SUBTASK 50-51-00-210-005

- (3) If you see cracks or signs of leakage, then do this task: EE Center Moisture Shroud Visual Inspection, TASK 50-51-00-210-801.

———— **END OF TASK** ————

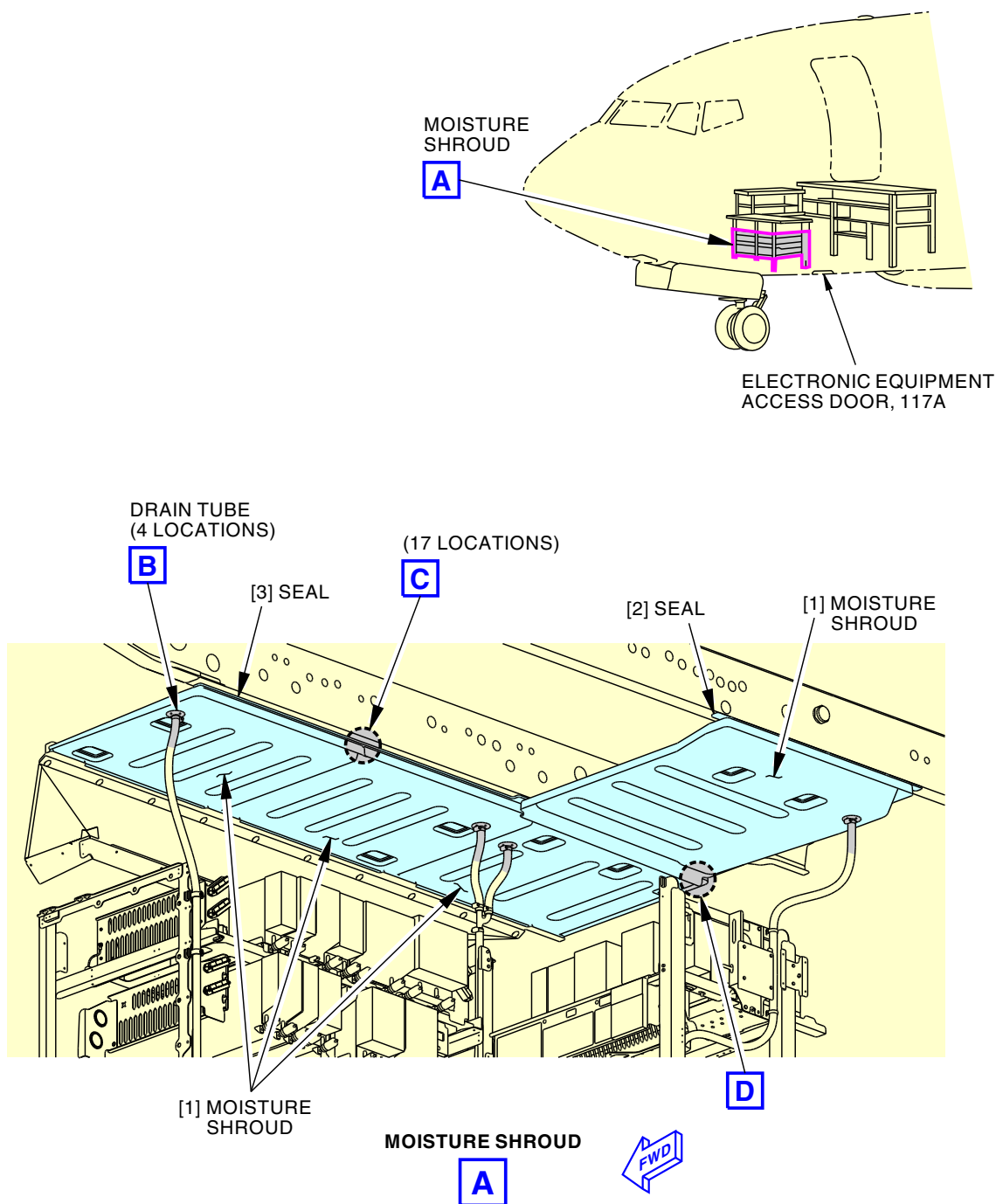
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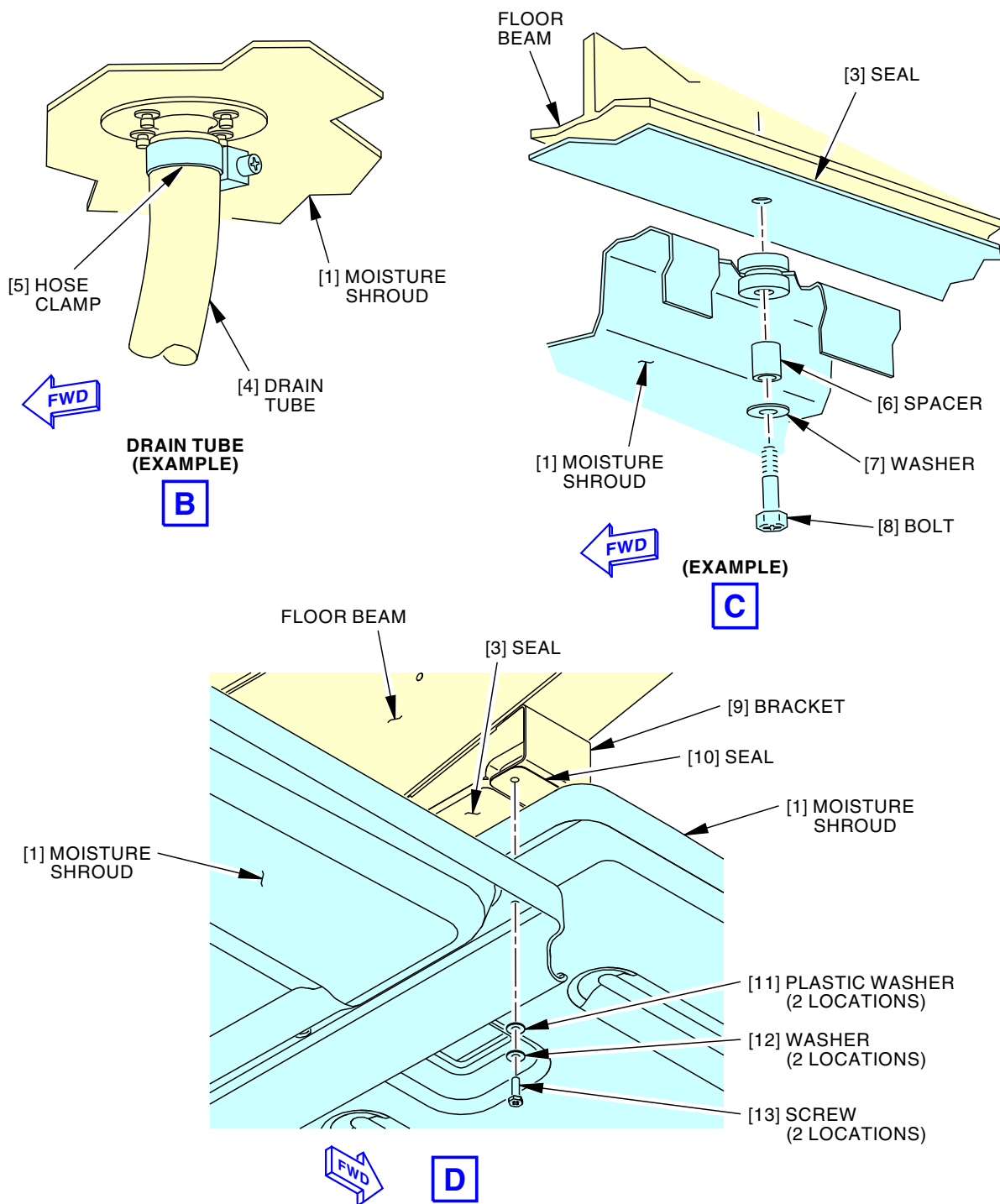
E1/E5 Moisture Shroud Installation
Figure 401/50-51-00-990-801 (Sheet 1 of 2)

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SIA ALL

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E1/E5 Moisture Shroud Installation
Figure 401/50-51-00-990-801 (Sheet 2 of 2)

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TASK 50-51-00-400-801

3. E1/E5 Moisture Shroud Installation

(Figure 401)

A. General

- (1) This task gives the instructions to install the E1/E5 moisture shroud.

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	Moisture shroud	50-51-00-01-150	SIA ALL
		50-51-00-01-195	SIA ALL
		50-51-00-01-235	SIA ALL
		50-51-00-01-275	SIA ALL

C. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right

D. Access Panels

Number	Name/Location
117A	Electronic Equipment Access Door

E. E1/E5 Moisture Shroud Installation

SUBTASK 50-51-00-420-001

- (1) Do these steps to install the E1/E5 moisture shroud [1] in the forward Electrical/Electronic (E/E) compartment:
- (a) Install the applicable seals.
 - 1) If removed, install the seal [2].
 - 2) If removed, install the seal [3].
 - 3) Install the seal [10].
 - (b) Put the moisture shroud [1] in its correct position.
 - (c) Install the bolts [8], washers [7], and spacers [6] that attach the moisture shroud [1] to the floor beam.
 - (d) Install the screws [13], washers [12], and plastic washers [11] that attach the moisture shroud [1] to the bracket [9].
 - (e) Connect the drain tube [4] to the moisture shroud [1].
 - (f) Tighten the hose clamp [5] around the drain tube [4].

SUBTASK 50-51-00-410-001

- (2) Close this access panel:

Number	Name/Location
117A	Electronic Equipment Access Door

————— END OF TASK —————

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TASK 50-51-00-000-802

4. E2/E3/E4 Moisture Shroud Removal

(Figure 402)

A. General

(1) This task gives the instructions to remove the E2/E3/E4 moisture shroud.

B. References

Reference	Title
50-51-00-210-801	EE Center Moisture Shroud Visual Inspection (P/B 601)

C. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right

D. E2/E3/E4 Moisture Shroud Removal

SUBTASK 50-51-00-010-002

(1) Remove the access panel on the aft side of the E2/E3/E4 equipment rack.

SUBTASK 50-51-00-020-002

(2) Remove the moisture shroud [21].

(a) Loosen the hose clamp [25] that attaches the drain tube [22] to the moisture shroud [21].

(b) Disconnect the drain tube [22] from the moisture shroud [21].

(c) Remove the washers [24] and the screws [23] that attach the moisture shroud [21] to the moisture shroud bracket [26].

NOTE: Remove the washers [24] and screws [23] for the forward part of the moisture shroud [21] from the forward side of the E2/E3/E4 equipment rack.

(d) Remove the moisture shroud [21].

SUBTASK 50-51-00-220-002

(3) If you see cracks or evidence of leakage, do this task: EE Center Moisture Shroud Visual Inspection, TASK 50-51-00-210-801.

————— END OF TASK —————

EFFECTIVITY
SIA ALL

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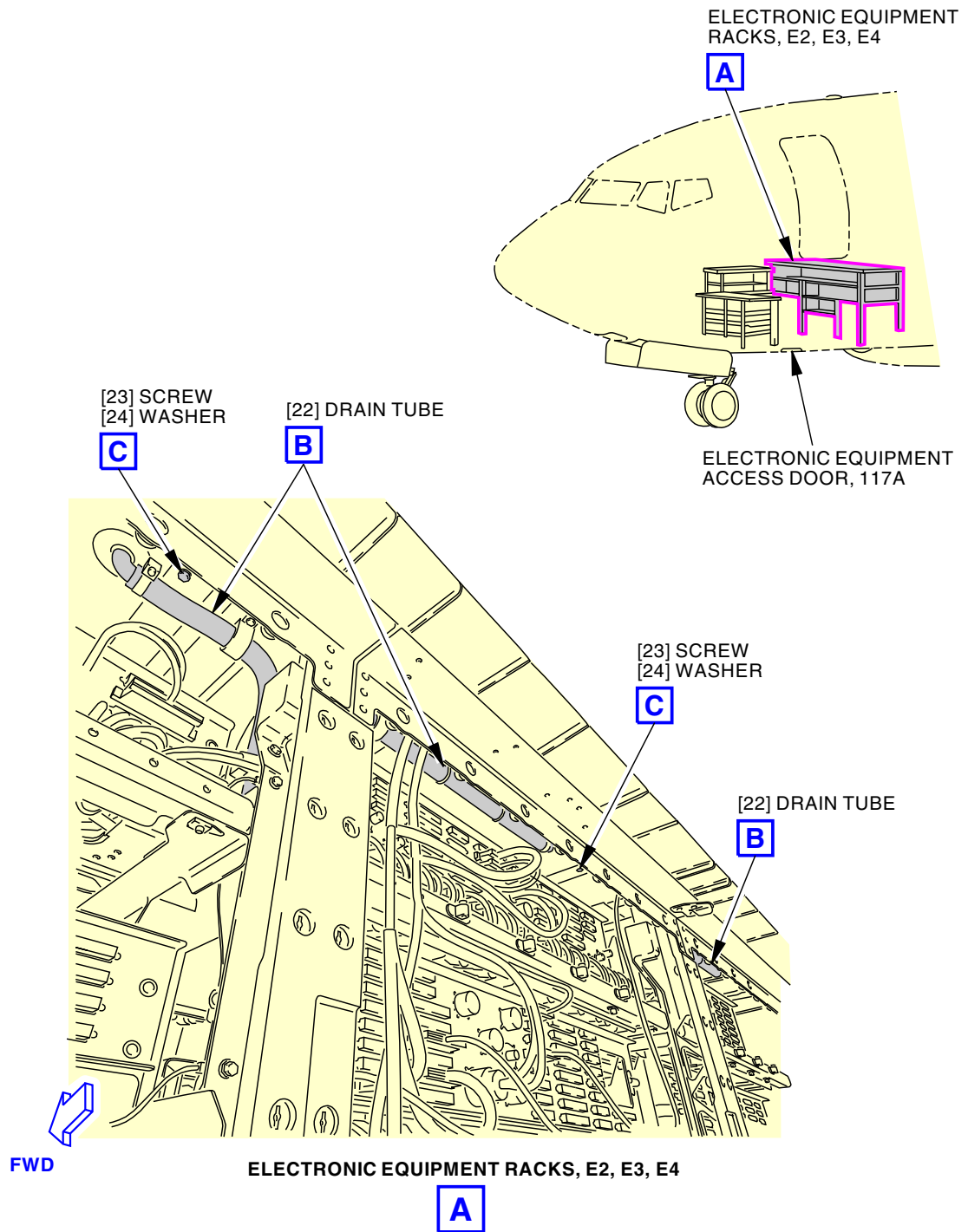
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E2, E3, E4 Moisture Shroud Installation
Figure 402/50-51-00-990-804 (Sheet 1 of 2)

EFFECTIVITY
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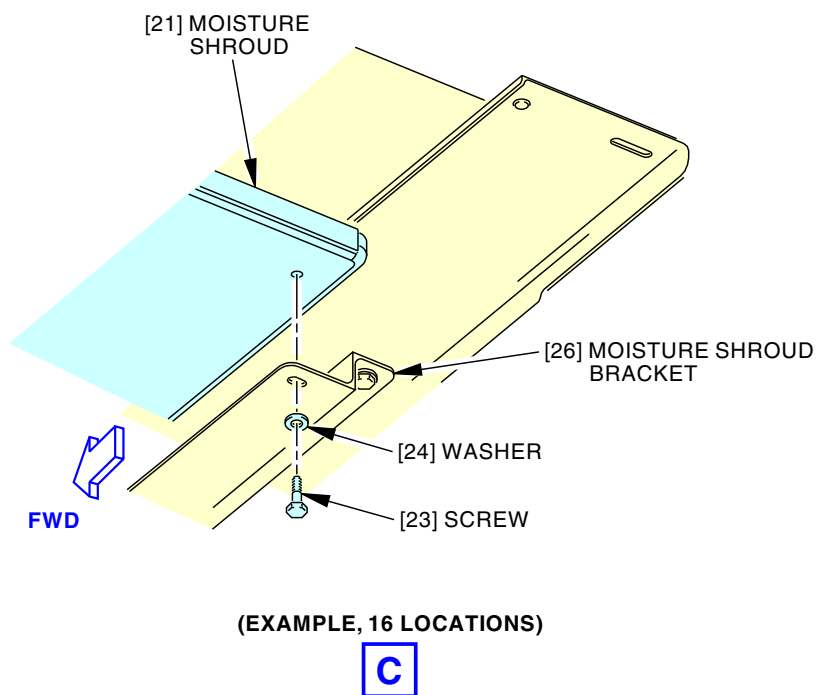
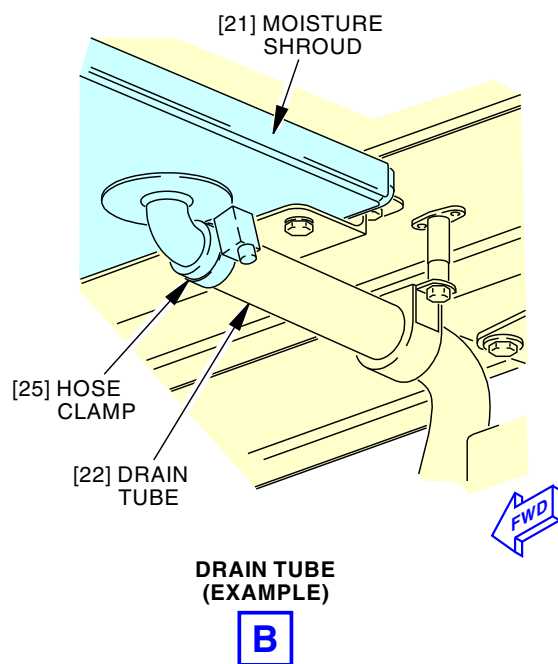
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2412033 S00061529756_V2

E2, E3, E4 Moisture Shroud Installation
Figure 402/50-51-00-990-804 (Sheet 2 of 2)

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TASK 50-51-00-400-802

5. E2/E3/E4 Moisture Shroud Installation

(Figure 402)

A. General

- (1) This task gives the instructions to install the E2/E3/E4 moisture shroud.

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
21	Moisture shroud	50-51-00-05-060	SIA ALL
		50-51-00-05-130	SIA ALL

C. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right

D. E2/E3/E4 Moisture Shroud Installation

SUBTASK 50-51-00-420-002

- (1) Install the moisture shroud [21].
- (a) Put the moisture shroud [21] in its position.
- (b) Install the washers [24] and screws [23] that attach the moisture shroud [21] to the moisture shroud bracket [26].
- NOTE: Install the washers [24] and screws [23] for the forward part of the moisture shroud [21] from the forward side of the E2/E3/E4 equipment rack.
- (c) Connect the drain tube [22] to the moisture shroud [21].
- (d) Tighten the hose clamp [25] around the drain tube [22].

SUBTASK 50-51-00-410-002

- (2) Install the access panel on the aft side of the E2/E3/E4 equipment rack.

————— END OF TASK —————

TASK 50-51-00-000-803

6. E6 Moisture Shroud Removal

(Figure 403)

A. General

- (1) This task gives the instructions to remove the E6 moisture shroud.

B. References

Reference	Title
50-51-00-210-802	E6 Rack Moisture Shroud Visual Inspection (P/B 601)

C. Location Zones

Zone	Area
142	Aft Cargo Compartment - Right

D. E6 Moisture Shroud Removal

SUBTASK 50-51-00-010-003

- (1) Remove the applicable access panel [31] to get access to the moisture shroud [30].
- (a) Disengage the quarter-turn fasteners around the edges of the panel.

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SUBTASK 50-51-00-020-003

- (2) Do these steps to remove each moisture shroud [30] from the aft Electronic Equipment (EE) compartment:
- (a) Loosen the hose clamp [38] that attaches the drain tube [37] to the moisture shroud [30].
 - (b) Disconnect the drain tube [37] from the moisture shroud [30].
 - (c) Remove the bolts [35] and washers [36].
 - (d) Remove the bolts [32], washers [33], and plastic washers [34].
 - (e) Remove the moisture shroud [30].

SUBTASK 50-51-00-210-004

- (3) If you see cracks or signs of leakage, then do this task: E6 Rack Moisture Shroud Visual Inspection, TASK 50-51-00-210-802.

———— **END OF TASK** ————

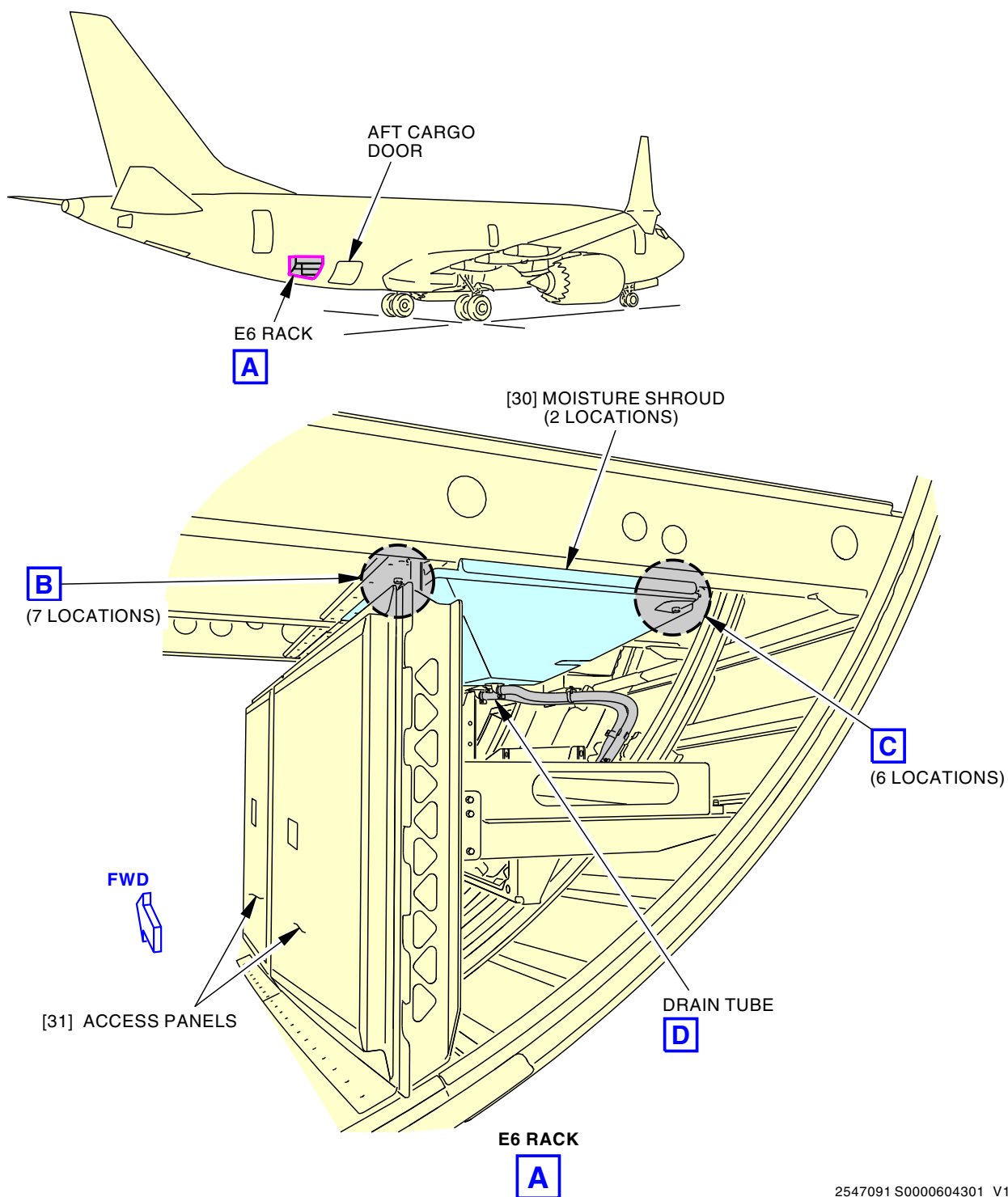
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E6 Moisture Shroud Installation
Figure 403/50-51-00-990-805 (Sheet 1 of 2)

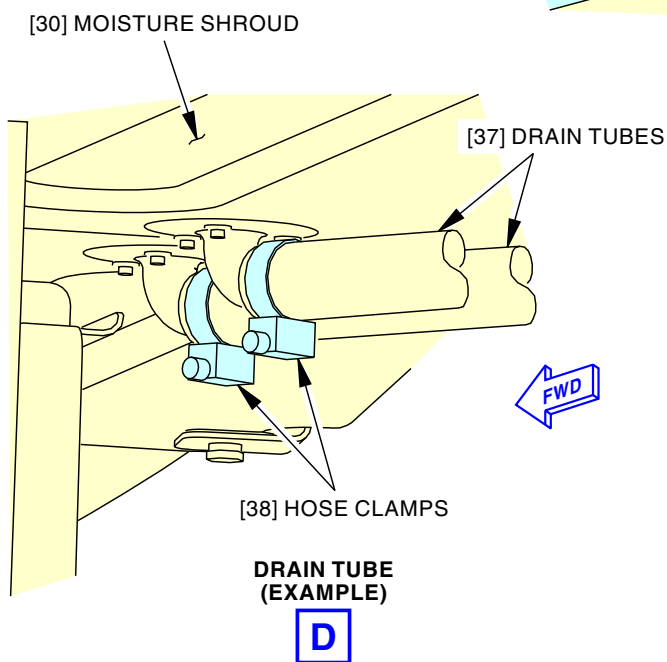
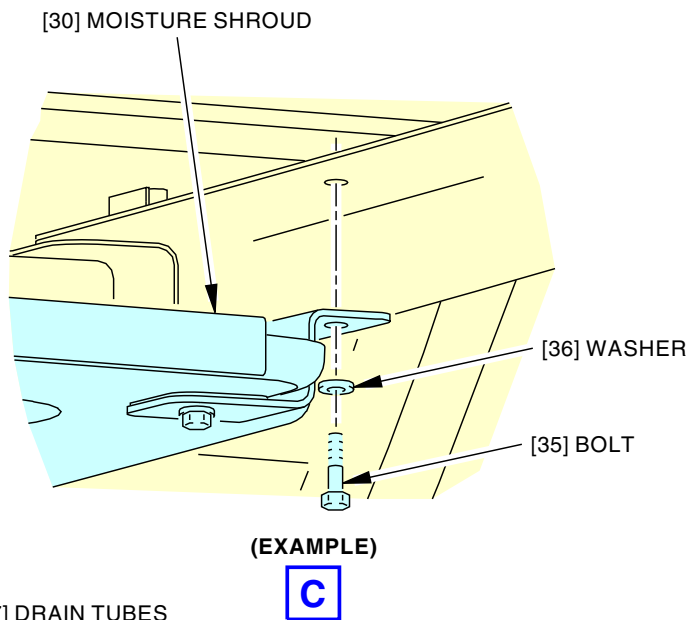
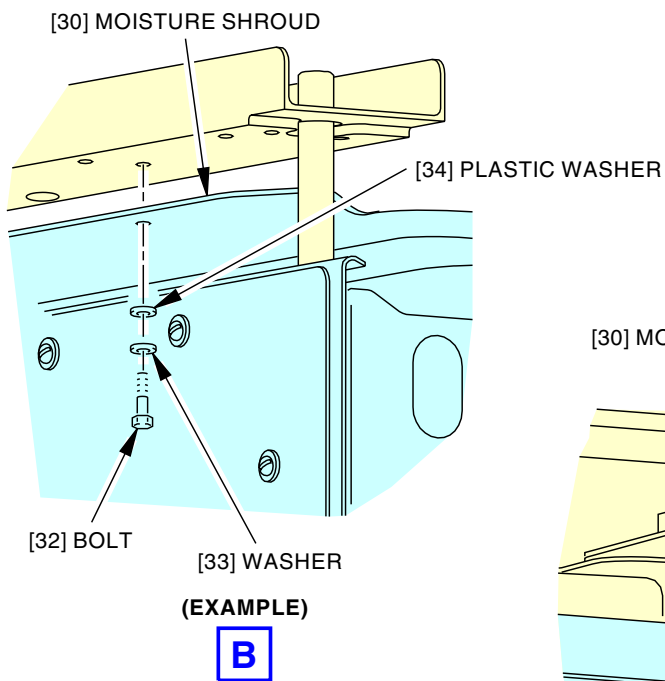
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E6 Moisture Shroud Installation
Figure 403/50-51-00-990-805 (Sheet 2 of 2)

EFFECTIVITY
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TASK 50-51-00-400-803

7. **E6 Moisture Shroud Installation**

(Figure 403)

A. General

- (1) This task gives the instructions to install the E6 moisture shroud.

B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
30	Moisture shroud	50-51-00-11-120	SIA ALL
		50-51-00-11-165	SIA ALL

C. Location Zones

Zone	Area
142	Aft Cargo Compartment - Right

D. E6 Moisture Shroud Installation

SUBTASK 50-51-00-420-003

- (1) Do these steps to install each moisture shroud [30] in the aft Electronic Equipment (EE) compartment:
- (a) Put the moisture shroud [30] in its correct position.
 - (b) Install the bolts [32], washers [33], and plastic washers [34].
 - (c) Install the bolts [35] and washers [36].
 - (d) Connect the drain tube [37] to the moisture shroud [30].
 - (e) Tighten the hose clamp [38] around the drain tube [37].

SUBTASK 50-51-00-410-003

- (2) Install the access panels [31] that you removed to access the moisture shrouds [30].
- (a) Lock the quarter-turn fasteners around the edges of the panel.

————— **END OF TASK** —————

EFFECTIVITY
SIA ALL

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ELECTRICAL EQUIPMENT RACK MOISTURE SHROUD - INSPECTION/CHECK

1. General

- A. This procedure has these tasks:
- (1) EE Center Moisture Shroud Visual Inspection
 - (2) E6 Rack Moisture Shroud Visual Inspection.

TASK 50-51-00-210-801

2. EE Center Moisture Shroud Visual Inspection

(Figure 601)

A. **General**

- (1) This task includes the steps to do a visual inspection of the moisture shrouds in the forward Electronic Equipment (EE) compartment.

B. **References**

Reference	Title
50-51-00 P/B 401	ELECTRICAL EQUIPMENT RACK MOISTURE SHROUD - REMOVAL/INSTALLATION

C. **Location Zones**

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right

D. **EE Center Moisture Shroud Visual Inspection**

SUBTASK 50-51-00-210-001

- (1) Examine the moisture shrouds (drip pans) that are above the EE racks in the EE compartment.
 - (a) Make sure that they do not have apparent cracks, tears, or clogged drains.
 - (b) Make sure that they are not loose.

SUBTASK 50-51-00-210-002

- (2) Do a check for cracks around the fasteners and mounting holes of the moisture shroud.
 - (a) If you find a crack NOT in the direction toward an edge without a return lip and crack length is more than 0.75 in. (1.90 cm), replace the moisture shroud (PAGEBLOCK 50-51-00/401).
 - (b) If you find a crack in the direction toward an edge without a return lip that has a crack length more than one half of the distance between the hole and edge of the flange, replace the moisture shroud (PAGEBLOCK 50-51-00/401).

———— **END OF TASK** ————

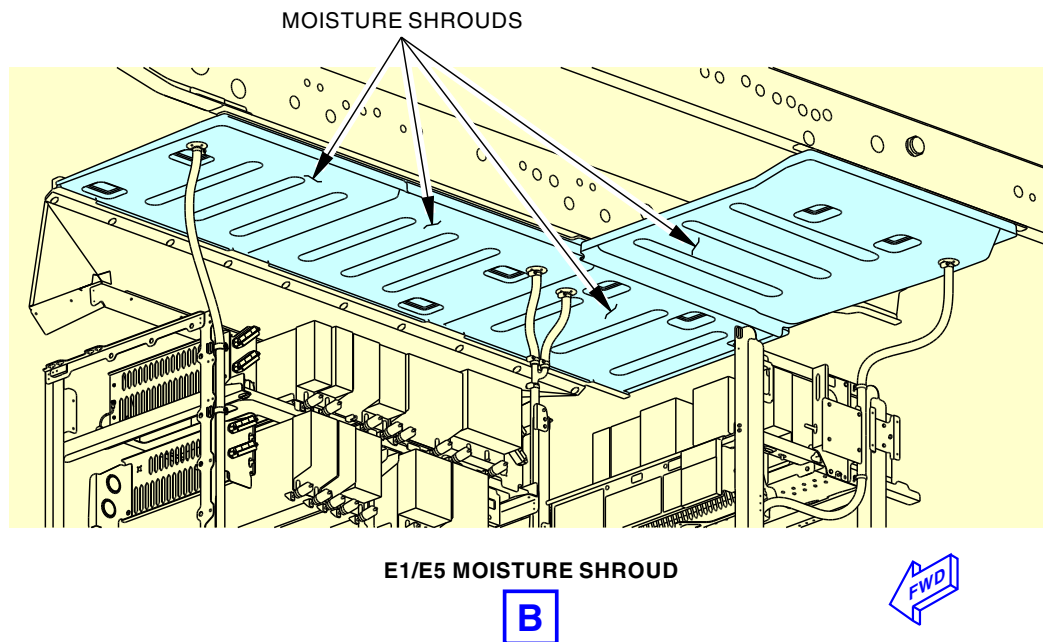
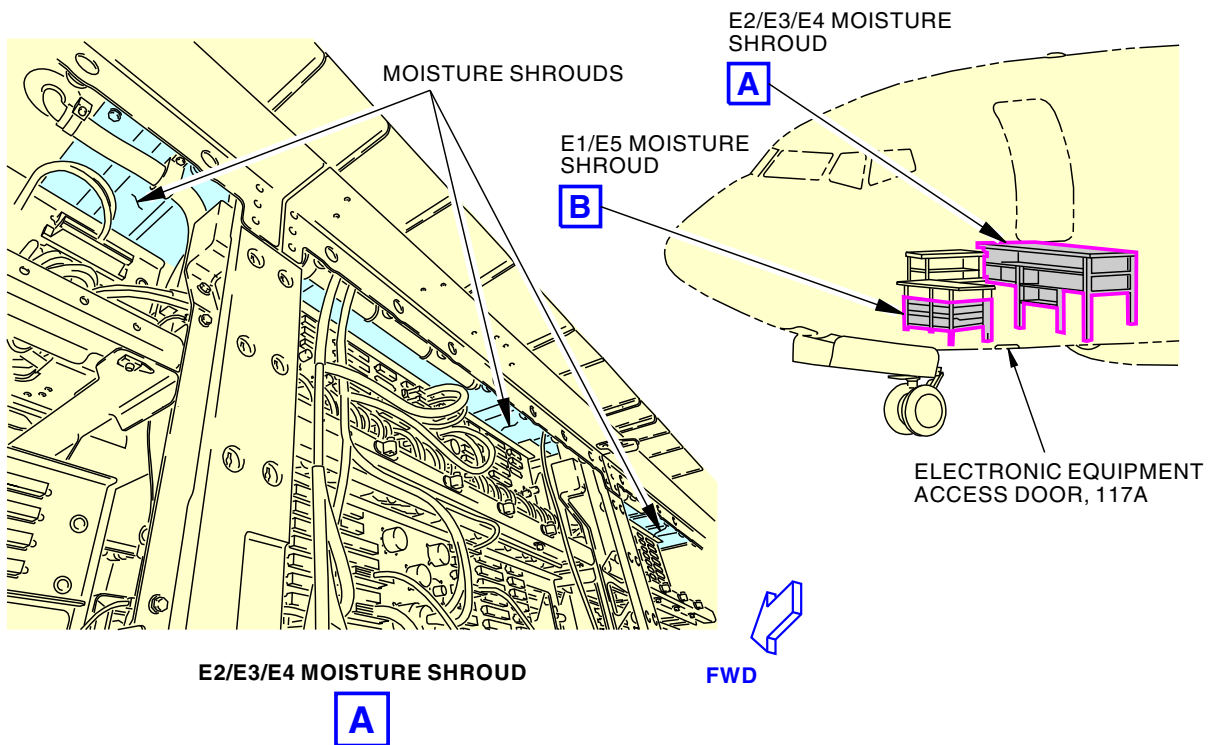
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EE Center Moisture Shroud Visual Inspection
Figure 601/50-51-00-990-806

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SIA ALL

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TASK 50-51-00-210-802

3. **E6 Rack Moisture Shroud Visual Inspection**

(Figure 602)

A. General

- (1) This task includes the steps to do a visual inspection of the moisture shrouds in the aft Electronic Equipment (EE) compartment.

B. References

Reference	Title
50-51-00 P/B 401	ELECTRICAL EQUIPMENT RACK MOISTURE SHROUD - REMOVAL/INSTALLATION

C. Location Zones

Zone	Area
142	Aft Cargo Compartment - Right

D. E6 Rack Moisture Shroud Visual Inspection

SUBTASK 50-51-00-210-006

- (1) Examine the moisture shrouds (drip pans) that are above the EE racks in the EE compartment.
- (a) Make sure that they do not have apparent cracks, tears, or clogged drains.
- (b) Make sure that they are not loose.

SUBTASK 50-51-00-210-007

- (2) Do a check for cracks around the fasteners and mounting holes of the moisture shroud.
- (a) If you find a crack NOT in the direction toward an edge without a return lip and crack length is more than 0.75 in. (1.90 cm), replace the moisture shroud (PAGEBLOCK 50-51-00/401).
- (b) If you find a crack in the direction toward an edge without a return lip that has a crack length more than one half of the distance between the hole and edge of the flange, replace the moisture shroud (PAGEBLOCK 50-51-00/401).

————— **END OF TASK** —————

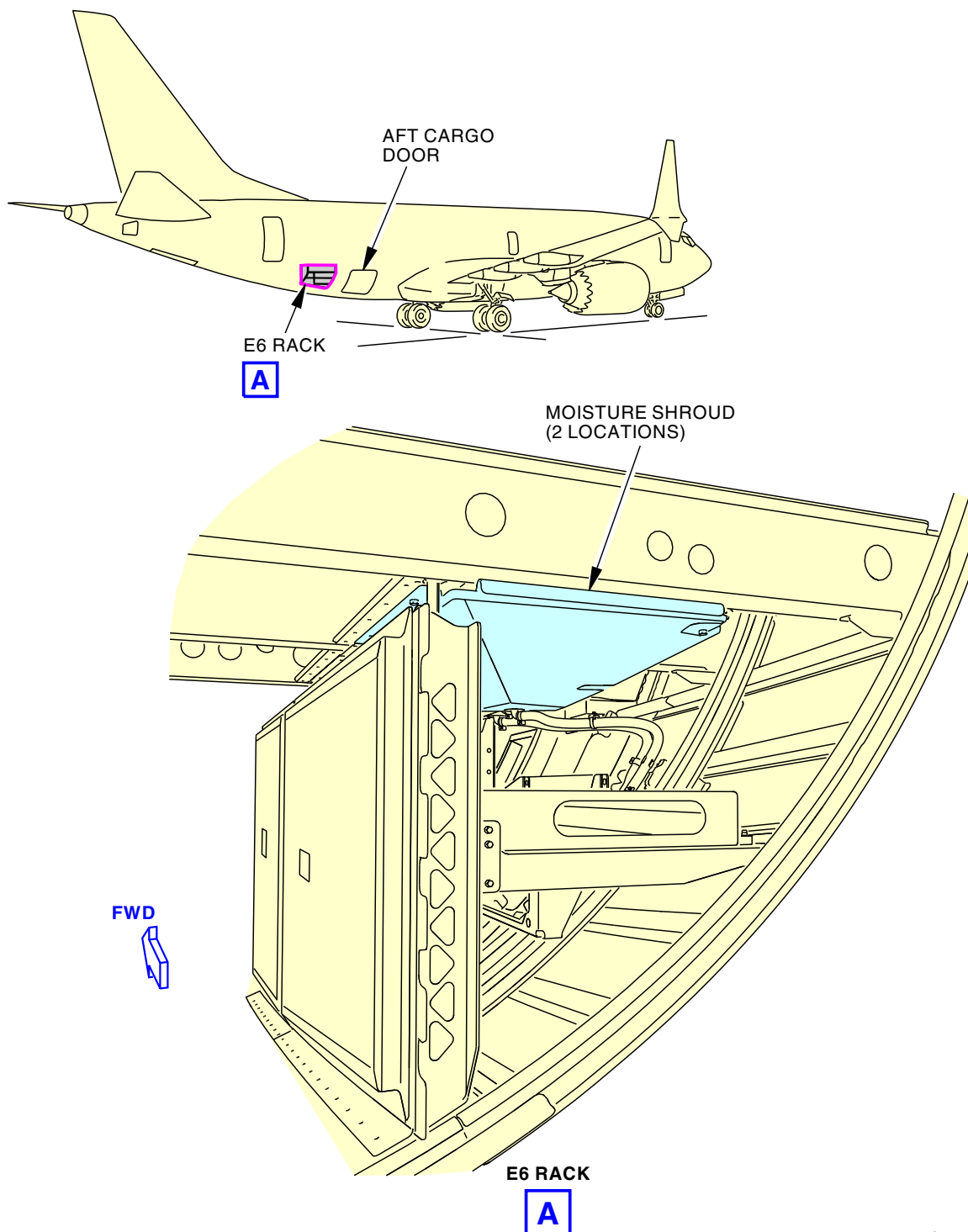
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E6 Rack Moisture Shroud Visual Inspection
Figure 602/50-51-00-990-807

EFFECTIVITY
SIA ALL

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