CHAPTER

25

EQUIPMENT/ FURNISHINGS



CHAPTER 25 EQUIPMENT/FURNISHINGS

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 $\mbox{A = Added, R = Revised, D = Deleted, O = Overflow, C = Customer Originated Change} \label{eq:added}$

25-EFFECTIVE PAGES



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236	Sep 05/2016		272	Sep 05/2016				
237	Sep 05/2016		273	Sep 05/2016				
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A = Added, R = Revised, D = Deleted, O = Overflow, C = Customer Originated Change

25-EFFECTIVE PAGES



These are the possible types of faults: YOU FIND A FAULT WITH 1. EICAS Message AN AIRPLANE SYSTEM 2. Observed Fault 3. Cabin Fault 4. Non-Correlated Maintenance Message If you have an EICAS message, go to the MAT to find its fault code USE THE MAT TO GET and the corresponding maintenance MORE INFORMATION message numbers. For details, see Figure 2 — Use the fault code or description to find the task in the FIM. There GO TO THE is a numerical list of fault codes in each chapter. There are lists FAULT ISOLATION of fault descriptions at the front TASK IN THE FIM of the FIM. For details, see Figure 3 ──► The fault isolation task explains how to find the cause of the fault. FOLLOW THE STEPS OF THE When the task says "You corrected the fault" you know that the fault FAULT ISOLATION TASK is gone. For details, see Figure 4 -

E84424 S0000132469_V1

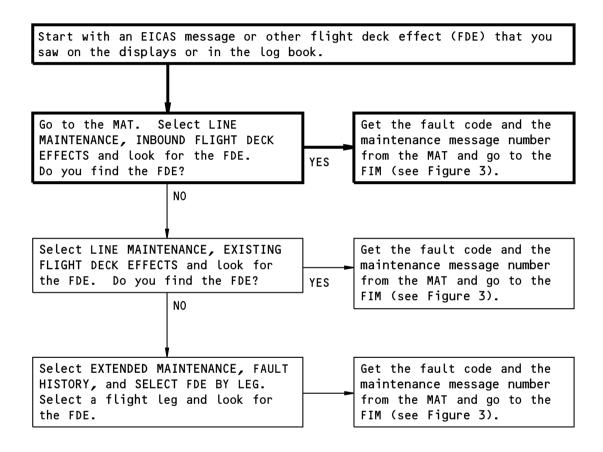
Basic Fault Isolation Process Figure 1

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NOTE: The bold lines show the most common path.

E84425 S0000132475_V1

Getting Fault Information from the MAT Figure 2

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D633W103-ARO



IF YOU HAVE:

THEN DO THIS TO FIND THE TASK IN THE FIM:

FAULT CODE

with maintenance
message number
(if applicable)

 The first two digits of the fault code are the FIM chapter that you need. Go to the Fault Code Index in that chapter and find the fault code. If the fault code starts with a letter, then go to the Cabin Fault Code Index at the front of the FIM.

- 2. Find the maintenance message number (if there is one) to the right of the fault code.
- 3. Find the task number on the same line as the maintenance message number. Go to the task in the FIM and do the steps in the task (see Figure 4).

EICAS MESSAGE TEXT

with no fault code

 Go to the MAT. Find the fault code and the correlated maintenance message number (see Figure 2). Then do the FAULT CODE procedure above.

OBSERVED FAULT DESCRIPTION

or cabin fault description

- 1. Go to the Observed Fault List or Cabin Fault List at the front of the FIM and find the best description for the fault.
- 2. Find the task number on the same line as the fault description. Go to the task in the FIM and do the steps of the task (see Figure 4).
- The first two digits of the maintenance message number are the FIM chapter you need. Go to the Maintenance Message Index in that chapter and find the maintenance message number.
- 2. Find the task number on the same line as the maintenance message number. Go to the task in the FIM and do the steps in the task (see Figure 4).

MAINTENANCE MESSAGE NUMBER

with no correlated EICAS message NOTE: When you troubleshoot Non-correlated Maintenance Messages, you must plan for sufficient resources and the necessary time and parts to perform the applicable FIM Procedure from Start to Finish (or until the fault goes away). If you do not complete the procedure and clear the fault, in some cases additional faults can be set which could possibly cause unscheduled delays and/or Airplane-on-Ground (AOG) conditions.

E84427 S0000132476_V2

Finding the Fault Isolation Task in the FIM Figure 3

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ASSUMED CONDITIONS AT START OF TASK

- External electrical power is ON
- Hydraulic power and pneumatic power are OFF
- Engines are shut down
- No equipment in the system is deactivated

INITIAL EVALUATION PARAGRAPH

- The Initial Evaluation paragraph at the start of the task helps you determine whether you can detect the fault right now.
- If you cannot detect the fault right now, then the task cannot isolate the fault and the Initial Evaluation paragraph will say that there was an intermittent fault.
- If you have an intermittent fault, you must use your judgement (and follow your airline's policy) to decide which components to replace. Then monitor the airplane to see if the fault happens again on subsequent flights.

FAULT ISOLATION STEPS

- The FIM task steps are presented in a specified order.
 "The If... then" statements will guide you along a logical path.
 But if you do not plan to follow the FIM task exactly, make sure that you read it before you start to isolate the fault. Some FIM procedures start with important steps that have an effect on the other steps in the procedure.
- When you are at the endpoint of the path, the step says "You corrected the fault." Complete the step and exit the procedure.
- The Recommended Maintenance Action that shows on the MAT for the maintenance message gives a list of possible causes in order by probability of failure. In the FIM procedure, the possible causes can be in a different order from the MAT.

WIRING CHECKS

When a step says "Do a wiring check", do these three types of electrical checks for the specified contacts (pins):

- continuity from contact to contact
- shorts between the contacts
- shorts from each contact to ground

E84428 S0000132477_V3

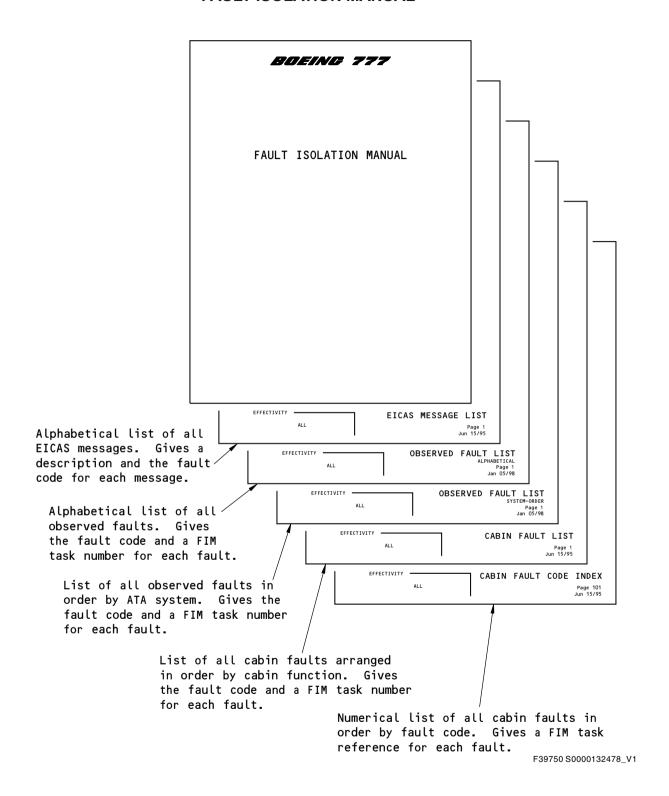
Doing the Fault Isolation Task Figure 4

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Subjects at Front of FIM Figure 5

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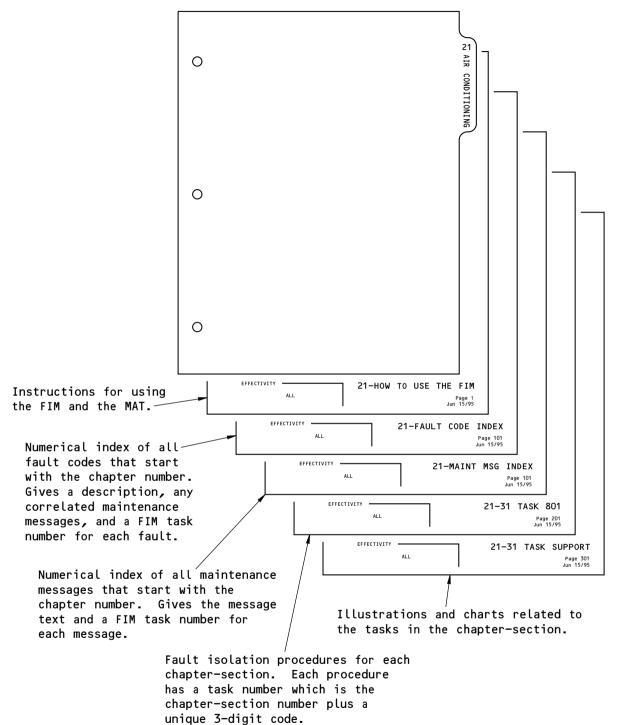
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F39837 S0000132479_V1

Subjects in Each FIM Chapter Figure 6

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
251 611 31	Seat arm rest problem - captain's.		25-98 TASK 802
251 611 32	Seat arm rest problem - first officer's.		25-98 TASK 802
251 611 33	Seat arm rest problem - first observer's.		25-98 TASK 802
251 613 31	Seat belt problem - captain's.		25-98 TASK 802
251 613 32	Seat belt problem - first officer's.		25-98 TASK 802
251 613 33	Seat belt problem - first observer's.		25-98 TASK 802
251 615 31	Shoulder harness problem - captain's.		25-98 TASK 802
251 615 32	Shoulder harness problem - first officer's.		25-98 TASK 802
251 615 33	Shoulder harness problem - first observer's.		25-98 TASK 802
251 621 31	Seat: horizontal adjustment problem - captain's.		25-98 TASK 802
251 621 32	Seat: horizontal adjustment problem - first officer's.		25-98 TASK 802
251 621 33	Seat: horizontal adjustment problem - first observer's.		25-98 TASK 802
251 622 31	Seat: vertical adjustment problem - captain's.		25-98 TASK 802
251 622 32	Seat: vertical adjustment problem - first officer's.		25-98 TASK 802
251 622 33	Seat: vertical adjustment problem - first observer's.		25-98 TASK 802
251 623 31	Seat: lumbar adjustment problem - captain's.		25-98 TASK 802
251 623 32	Seat: lumbar adjustment problem - first officer's.		25-98 TASK 802
251 624 31	Seat: recline adjustment problem - captain's.		25-98 TASK 802
251 624 32	Seat: recline adjustment problem - first officer's.		25-98 TASK 802
251 624 33	Seat: recline adjustment problem - first observer's.		25-98 TASK 802
251 627 31	Seat track: does not move freely - captain's.		25-98 TASK 802
251 627 32	Seat track: does not move freely - first officer's.		25-98 TASK 802
251 629 31	Seat: electric mode problem - captain's.		25-11 TASK 801
251 629 32	Seat: electric mode problem - first officer's.		25-11 TASK 802
251 641 31	Chart holder (sidewall) problem - captain's.		25-13 TASK 801
251 641 32	Chart holder (sidewall) problem - first officer's.		25-13 TASK 801
251 642 31	Chart holder (control column) problem - captain's.		25-98 TASK 802

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
251 642 32	Chart holder (control column) problem - first officer's.		25-98 TASK 802
251 643 31	Cup holder problem - captain's.		25-98 TASK 802
251 643 32	Cup holder problem - first officer's.		25-98 TASK 802
251 644 31	Sun visor problem - captain's.		25-98 TASK 802
251 644 32	Sun visor problem - first officer's.		25-98 TASK 802
251 645 31	Assist handle problem - captain's.		25-98 TASK 802
251 645 32	Assist handle problem - first officer's.		25-98 TASK 802
251 651 31	Life vest missing/damaged - captain's.		25-98 TASK 802
251 651 32	Life vest missing/damaged - first officer's.		25-98 TASK 802
251 651 33	Life vest missing/damaged - first observer's.		25-98 TASK 802
251 652 31	Smoke goggles missing - captain's.		25-98 TASK 802
251 652 32	Smoke goggles missing - first officer's.		25-98 TASK 802
251 653 00	Crash axe missing.		25-98 TASK 802
251 654 00	Fire extinguisher (flight deck) problem.		25-98 TASK 802
251 655 00	Emergency escape reel problem.		25-98 TASK 802
251 656 00	Flashlight: Battery low.		25-98 TASK 802
251 657 00	Flashlight: damaged.		25-98 TASK 802
251 658 00	Flashlight: missing.		25-98 TASK 802
251 671 00	Flight deck: needs cleaning.		23-98 TASK 803
251 672 00	Flight crew rest (main deck): needs cleaning.		23-98 TASK 803
251 681 31	PC power system for flight deck: Status LED at outlet does not operate normally - captain's.		23-82 TASK 801
251 681 32	PC power system for flight deck: Status LED at outlet does not operate normally - first officer's.		23-82 TASK 801
251 681 33	PC power system for flight deck: Status LED at outlet does not operate normally - first observer's.		23-82 TASK 801
253 101 00	Galleys: No Aft Galley Power During Taxi or Flight; No FDE(s) or Maint Msg(s).		25-31 TASK 829
255 811 00	Cargo compartment: powered drive unit inoperative - forward cargo compartment.		25-53 TASK 808
255 812 44	Cargo compartment: forward lateral guides inoperative - forward cargo compartment.		25-53 TASK 801
255 812 45	Cargo compartment: Aft lateral guides inoperative - forward cargo compartment.		25-53 TASK 801
255 813 00	Cargo compartment: Center stop/locks inoperative - forward cargo compartment.		25-53 TASK 802

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK			
255 814 00	Cargo compartment: auxiliary stop/locks inoperative - forward cargo compartment.		25-53 TASK 802			
255 815 00	Cargo compartment: rollout stop/locks inoperative - forward cargo compartment.		25-53 TASK 803			
255 816 00	Cargo compartment: retractable guide roller/lock inoperative - forward cargo compartment.		25-53 TASK 803			
255 817 44	Cargo compartment: forward lateral guides jam - forward cargo compartment.		25-53 TASK 807			
255 817 45	Cargo compartment: Aft lateral guides jam - forward cargo compartment.		25-53 TASK 807			
255 831 00	Cargo compartment: powered drive unit inoperative - aft cargo compartment.		25-53 TASK 809			
255 832 44	Cargo compartment: forward lateral guides inoperative - aft cargo compartment.		25-53 TASK 804			
255 832 45	Cargo compartment: Aft lateral guides inoperative - aft cargo compartment.		25-53 TASK 804			
255 833 00	Cargo compartment: Center stop/locks inoperative - aft cargo compartment.		25-53 TASK 805			
255 834 00	Cargo compartment: auxiliary stop/locks inoperative - aft cargo compartment.		25-53 TASK 805			
255 835 00	Cargo compartment: rollout stop/locks inoperative - aft cargo compartment.		25-53 TASK 806			
255 836 00	Cargo compartment: retractable guide roller/ lock inoperative - aft cargo compartment.		25-53 TASK 806			
255 837 44	Cargo compartment: forward lateral guides jam - aft cargo compartment.		25-53 TASK 807			
255 837 45	Cargo compartment: Aft lateral guides jam - aft cargo compartment.		25-53 TASK 807			

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
25-10005	AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; RELAY (DR 2 GLR) in DR 2 Galley complex is not in commaned position. AIMS-2, CMCF LDI 3114-BCG-00W-16; Relay (DR 2 GLR) in DR 2 Galley Complex is not in commaned position.	25-31 TASK 813
25-10006	Relay (DR 4L GLR) in DR 4L Galley Complex is not in commanded position.	25-31 TASK 814
25-10007	Relay (DR 1 GLR) in DR 1 Gly Complex is not in commanded position.	25-31 TASK 815
25-10008	Relay (DR 4R GLR) in DR 4R Gly Complex is not in commanded position.	25-31 TASK 816
25-31005	Contactor (DR 2 GLY PWR) in P100 is not in commanded position.	25-31 TASK 817
25-31006	Contactor M25135 (GLY PWR) in P100 is not in commanded position.	25-31 TASK 818
25-31007	Relay (DOOR 2 GALLEY DC PWR) in P110 is not in commanded position.	25-31 TASK 819
25-31008	Relay K25006 (GALLEY DC PWR) in P110 is not in commanded position.	25-31 TASK 820
25-31009	P100 Power Panel controller GLY power function is disabled.	25-31 TASK 821
25-31010	P100 Power Panel Controller DR 2 galley power function is disabled.	25-31 TASK 828
25-32005	Contactor (DR 1 GLY PWR) in P200 is not in commanded position.	25-31 TASK 823
25-32006	Contactor M25235 (GLY PWR) in P200 is not in commanded position.	25-31 TASK 824
25-32007	Relay (DOOR 1 GALLEY DC PWR) in P210 is not in commanded position.	25-31 TASK 825
25-32008	Relay K25008 (GALLEY DC PWR) in P210 is not in commanded position.	25-31 TASK 826
25-32009	AIMS-2, CMCF LDI 3114-BCG-00W-16; P200 Power Panel Controller GLY power function is disabled. AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; P200 power panel controller GLY power function is disabled.	25-31 TASK 827

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
25-32010	P200 Power Panel Controller DR 1 galley power function is disabled.	25-31 TASK 828

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25-MAINT MSG INDEX

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801. Captain's Seat Electric Mode Problems - Fault Isolation

A. Initial Evaluation

- Do this task: Flight Compartment Seats Operational Test Powered, AMM TASK 25-11-00-700-801.
 - (a) If the seat does not operate correctly, then do the Fault Isolation Procedure below.
 - (b) If the seat operates correctly, then there was an intermittent fault.

B. Procedure

- (1) Do this check for voltage at the captain's powered seat (WDM 25-11-11):
 - (a) Disconnect connector DM25059 from the seat.
 - (b) Do a check for 3-phase 115/208V AC between pins 1, 2, 3, and 5 (neutral) of connector DM25059.
 - (c) If there is not 3-phase 115/208V AC between pins 1, 2, 3, and 5 of connector DM25059, then do these steps:
 - 1) Do a check for 3-phase 115/208V AC at circuit breaker C25323.
 - 2) If there is not 3-phase 115/208V AC at circuit breaker C25323, then do these steps:
 - a) Replace this circuit breaker:

(WDM 25-11-11)

Left Power Management Panel, P110

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	18	C25323	CAPT SEAT

- b) Re-connect connector DM25059.
- c) Do this task: Flight Compartment Seats Operational Test Powered, AMM TASK 25-11-00-700-801.
- d) If the seat operates correctly, you corrected the fault.
- 3) If there is 3-phase 115/208V AC at circuit breaker C25323, then do these steps:
 - a) Repair the wiring between circuit breaker C25323 and connector DM25059.
 - b) Re-connect connector DM25059.
 - Do this task: Flight Compartment Seats Operational Test Powered, AMM TASK 25-11-00-700-801.
 - d) If the seat operates correctly, you corrected the fault.
- (d) If there is 3-phase 115/208V AC between pins 1, 2, 3, and 5 of connector DM25059, then continue.
- (2) Replace the captain's powered seat, M25059.

These are the tasks:

Captain and First Officer Seat Removal, AMM TASK 25-11-01-000-801,

Captain and First Officer Seat - Installation, AMM TASK 25-11-01-400-801.

- (a) Do this task: Flight Compartment Seats Operational Test Powered, AMM TASK 25-11-00-700-801.
- (b) If the seat operates correctly, you corrected the fault.

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25-11 TASK 801



802. First Officer's Seat Electric Mode Problems - Fault Isolation

A. Initial Evaluation

- Do this task: Flight Compartment Seats Operational Test Powered, AMM TASK 25-11-00-700-801.
 - (a) If the seat does not operate correctly, then do the Fault Isolation Procedure below.
 - (b) If the seat operates correctly, then there was an intermittent fault.

B. Procedure

- (1) Do this check for voltage at the first officer's powered seat (WDM 25-11-12):
 - (a) Disconnect connector DM25058 from the seat.
 - (b) Do a check for 3-phase 115/208V AC between pins 1, 2, 3, and 5 (neutral) of connector DM25058.
 - (c) If there is not 3-phase 115/208V AC between pins 1, 2, 3, and 5 of connector DM25058, then do these steps:
 - 1) Do a check for 3-phase 115/208V AC at circuit breaker C25324.
 - 2) If there is not 3-phase 115/208V AC at circuit breaker C25324, then do these steps:
 - a) Replace this circuit breaker:

(WDM 25-11-12)

Right Power Management Panel, P210

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
В	13	C25324	F/O SEAT

- b) Re-connect connector DM25058.
- c) Do this task: Flight Compartment Seats Operational Test Powered, AMM TASK 25-11-00-700-801.
- d) If the seat operates correctly, you corrected the fault.
- 3) If there is 3-phase 115/208V AC at circuit breaker C25324, then do these steps:
 - a) Repair the wiring between circuit breaker C25324 and connector DM25058.
 - b) Re-connect connector DM25058.
 - Do this task: Flight Compartment Seats Operational Test Powered, AMM TASK 25-11-00-700-801.
 - d) If the seat operates correctly, you corrected the fault.
- (d) If there is 3-phase 115/208V AC between pins 1, 2, 3, and 5 of connector DM25058, then continue.
- (2) Replace the first officer's powered seat, M25058.

These are the tasks:

Captain and First Officer Seat Removal, AMM TASK 25-11-01-000-801,

Captain and First Officer Seat - Installation, AMM TASK 25-11-01-400-801.

- (a) Do this task: Flight Compartment Seats Operational Test Powered, AMM TASK 25-11-00-700-801.
- (b) If the seat operates correctly, you corrected the fault.

	END	OF TASK	
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25-11 TASK 802



801. Chart Holder Problems - Fault Isolation

A. Procedure

(1) Replace the chart holder.

These are the tasks:

Chart Holder Removal, AMM TASK 25-13-01-000-801, Chart Holder Installation, AMM TASK 25-13-01-400-801.

------ END OF TASK ------

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25-13 TASK 801



801. Water Dripping in Passenger Compartment - Fault Isolation

A. Initial Evaluation

NOTE: It is best to look for the leak immediately after the airplane makes its landing. The evaporation of the water will occur quickly and make it hard for you to find the leak.

- (1) Speak to the cabin crew to get an accurate location and description of where and when the water drips. If you cannot get an accurate location for the leak, then have the cabin crew put tape at the location of the leak on the subsequent flight.
- (2) There are two possible sources of water dripping in the passenger compartment.
 - (a) The potable waterlines that are above the ceiling can have a leak. If this is the source of the water, then the water will probably drip continuously during all flight phases. For potable water leaks, do this task: Ceiling Panel Wet Fault Isolation, 38-10 TASK 810.
 - (b) Water that condenses on the skin of the airplane can drip. Drips from condensation usually occur during decent or immediately after landing. For drips from condensation, do the Condensation Drips Procedure below.

B. Condensation Drips Procedure

- (1) Open these panels (if it is necessary) for access:
 - (a) Do this task: Main Ceiling Panel Removal, AMM TASK 25-21-06-000-801.
 - (b) Do this task: Lowered Ceiling Panel Removal, AMM TASK 25-21-07-000-801.
 - (c) Do this task: Passenger Service Unit (PSU) Opening, AMM TASK 25-23-01-010-801.
 - (d) Do this task: Overdoor Panel Opening/Removal, AMM TASK 25-21-08-000-801.
 - (e) Do this task: Sidewall Panel Removal, AMM TASK 25-21-01-000-801.
- (2) Examine these items if they are in the area of the leak:
 - (a) Make sure the insulation blankets are correctly "shingled". The blankets are correctly shingled when they overlap with the bottom edge of the higher blanket outboard of the top edge of the lower blanket.
 - (b) Make sure the insulation blankets are correctly attached to the frames with clamps. The insulation blankets must be wrapped around the frames to make a channel for the water to flow down.
 - (c) Make sure the insulation blankets are correctly sealed with tape. The blankets must be sealed with tape where they are cut to go around a part of the airplane.
 - (d) Make sure there is a rubber seal or felt wrapping at all the tie rods, standoffs, and other parts that go through the insulation blankets. The felt wrapping must start inside the blanket wrapping, and extend 2 in. (51 mm) to 3.5 in. (88.9 mm) out of the blanket wrapping. This permits the evaporation of the water.
 - (e) Make sure the drain cups (at some of the larger tierods) do not leak. Make sure the drain tubes from these cups go down hill. The tubes drain on the outboard side of the insulation blankets. Make sure the tube does not pull the insulation blankets open at the seam where the tube goes through the blankets.
 - (f) Make sure the foam strips, on the outboard side of the outboard stowage bins, are in their positions. The foam strips run the length of the bins. To see the foam strip, do these steps:
 - 1) Open the PSU in the area of the leak: AMM TASK 25-23-01-010-801.
 - Put a mirror through the holes that are outboard of the PSU area. Use the mirror to look up at the outboard edge of the stowage bins.

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- (g) Make sure the foam strips between the stowage bins (inboard and outboard) and the ceiling panels are in their positions.
- (h) Make sure the foam and felt strips on the ceiling panels are in their positions. The ceiling panels have a foam or felt strip near the lower edge and at each end of the panel. Some ceiling panels have more foam and felt.
- (i) If the leak occurs at an outboard cove light or at the top of a sidewall panel, then do these steps:
 - 1) Open the PSU in the area of the leak: AMM TASK 25-23-01-010-801.
 - 2) Look through the holes that are outboard of the PSU area. Examine the nomex "skirts" (nomex fabric) that are above the cove lights. These skirts must go smoothly above the cove lights and behind (outboard of) the side wall panels.
- (j) If the leak occurs at a door, then do these steps:
 - 1) Remove the insulation blankets from around the door.
 - 2) Make sure the drain holes around the door structure are open.
 - 3) Re-install the insulation blankets around the door.
- (k) If the drip occurs above Door 3, make sure the diaper insulation blankets are installed on the heater ducts.
- (I) If the drip occurs at Door 3 on the right side of the airplane, then make sure the insulation blankets on the ECS recirculation filter do not have holes or gaps.
- (3) Repair all of the problems that you found above.
- (4) Do these tasks (as applicable) to put the airplane back to its usual condition:
 - (a) Do this task: Main Ceiling Panel Installation, AMM TASK 25-21-06-400-801.
 - (b) Do this task: Lowered Ceiling Panel Installation, AMM TASK 25-21-07-400-801.
 - (c) Do this task: Passenger Service Unit (PSU) Closing, AMM TASK 25-23-01-410-801.
 - (d) Do this task: Overdoor Panel Installation/Closing, AMM TASK 25-21-08-400-801.
 - (e) Do this task: Sidewall Panel Installation, AMM TASK 25-21-01-400-801.

——— END OF TASK ———

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801. Passenger Seat Problems

A. Initial Evaluation

- (1) If the seat is not electrically powered, do these steps:
 - (a) Push the seat back release button.
 - (b) Move the seat back forward and aft.
 - (c) If the seat back does not move correctly, then do the Fault Isolation Procedure Non-Powered Seat below.
 - (d) If the seat back moves correctly, then there was an intermittent fault.
- (2) If the seat is electrically powered, do the applicable steps:
 - (a) Hold the OCCUPANT SWITCH to the RECLINE UP position.
 - (b) Hold the OCCUPANT SWITCH to the RECLINE DOWN position.
 - (c) If the seat does not move correctly when you operate the switch, do the Fault Isolation Procedure Powered Seat below.
 - (d) If the seat moves correctly when you operate the switch, then there was an intermittent fault.

B. Fault Isolation Procedure - Non-Powered Seat

- (1) Look for unwanted material that can prevent the movement of the seat.
 - (a) If you find unwanted material, then do these steps:
 - 1) Remove the unwanted material.
 - 2) Push the seat back release button.
 - 3) Move the seat back forward and aft.
 - 4) If the seat moved correctly, you corrected the fault.
 - (b) If you do not find unwanted material, then continue.
- (2) Replace the seat.

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These are the tasks:

Passenger Seat - Removal, AMM TASK 25-25-01-000-801,

Passenger Seat - Installation, AMM TASK 25-25-01-400-801.

- (a) Push the seat back release button.
- (b) Move the seat back forward and aft.
- (c) If the back of the seat moves, you corrected the fault.

C. Fault Isolation Procedure - Powered Seat

- (1) Look for unwanted material that can prevent the movement of the seat.
 - (a) If you find unwanted material, then do the applicable steps:
 - 1) Remove the unwanted material.
 - 2) Hold the OCCUPANT SWITCH to the RECLINE UP position.
 - 3) Hold the OCCUPANT SWITCH to the RECLINE DOWN position.
 - 4) If the seat moved correctly when you operated the switch, you corrected the fault.
 - (b) If you do not find unwanted material, then continue.
- (2) Do this check for voltage at the seat (WDM 25-25-13).
 - (a) Disconnect the connector X1 from the applicable seat.

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- (b) Do a check for 3-phase 115/208V AC between pins 1, 4, 5, and 2 (neutral) of connector X1.
- (c) If there is not 3-phase 115/208V AC between pins 1, 4, 5, and 2 of connector X1, then do these steps:
 - 1) Do a check for 3-phase 115/208V AC at the applicable circuit breaker.
 - 2) If there is not a 3-phase 115/208V AC at the applicable circuit breaker, then do these steps:
 - a) Replace the applicable circuit breaker (WDM 25-25-13).
 - b) Re-connect the connector X1 to the applicable seat.
 - c) Hold the OCCUPANT SWITCH to the RECLINE UP position.
 - d) Hold the OCCUPANT SWITCH to the RECLINE DOWN position.
 - e) If the seat moves correctly, you corrected the fault.
 - f) If the seat does not move, then continue.
 - 3) If there is 3-phase 115/208V AC at the applicable circuit breaker, then do the applicable steps:
 - a) Repair the wiring between the connector X1 and the applicable circuit breaker.
 - b) Re-connect connector X1.
 - c) Hold the OCCUPANT SWITCH to the RECLINE UP position.
 - d) Hold the OCCUPANT SWITCH to the RECLINE DOWN position.
 - e) If the seat moves correctly, you corrected the fault.
- (d) If there is 3-phase 115/208V AC between pins 1, 4, 5, and 2 of connector X1, then continue.
- (3) Replace the seat.

These are the tasks:

Passenger Seat - Removal, AMM TASK 25-25-01-000-801,

Passenger Seat - Installation, AMM TASK 25-25-01-400-801.

- (a) Do the applicable steps:
 - 1) Hold the OCCUPANT SWITCH to the RECLINE UP position.
 - 2) Hold the OCCUPANT SWITCH to the RECLINE DOWN position.
- (b) If the seat moves correctly, you corrected the fault.

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813. Galley Load Relay (GLR) Problems - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 25-10005.

B. Initial Evaluation

<u>NOTE</u>: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position.

NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).

(1) Set the emergency power switch, on the galley electrical control panel, to the off position.

NOTE: This causes ELMS to command the relay to the open position.

- (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or OFF position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE or LATCHED for the maintenance message (or the message does not show), then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Do these steps to replace the galley load relay (GLR) in the door 2 galley:
 - (a) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (b) Replace the GLR in the door 2 galley. (WDM 25-31-12)
 - (c) Do the repair confirmation procedure at the end of this task.
- (2) Do a check of the signal interface unit 2 (SIU 2), M24505, at the left power management panel, P110.

This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002

- (a) Do the repair confirmation procedure at the end of this task.
- (3) Do this check for power at the relay:
 - (a) Set the emergency power switch to the OFF position.

Left Power Management Panel, P110

Row	<u>Col</u>	Number	<u>Name</u>
J	21	C25606	DR 2 GLY

- (b) Remove the GLR. (WDM 25-31-12)
- (c) Set emergency power switch to NORM or ON position.
- (d) Do a check for 28 VDC from pin X1 to structure ground.
- (e) If there is not 28 VDC, then do these steps:
 - 1) Set electrical power switch to the OFF position.

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2) Repair the wiring.

GLR	K25005
pin X1	 pin A1

- 3) Install the GLR.(WDM 25-31-12)
- 4) Do the repair confirmation procedure at the end of this task.
- (f) If there is 28V DC at pin X1 to airplane ground, then continue.
- (4) Do the following steps:
 - (a) Do these steps to check the wiring for the SIU 2, M24505.
 - 1) Set emergency power switch to the OFF position.
 - Disconnect the electrical connector, DM24505B, from the SIU 2, M24505, on the left power management panel, P110.
 - 3) Do a check of the wiring.

GLR	M24505
pin X2	 pin 40

- (b) If the wiring needs repair, then do these steps:
 - Repair the wiring.
 - 2) Install the GLR in the galley. (WDM 25-31-12)
 - 3) Connect the electrical connector, DM24505B, to the SIU 2, M24505, on the left power management panel, P110.
 - 4) Do the repair confirmation procedure at the end of this task.
- (c) If the wiring does not need repair, see (WDM 25-31-12).

D. Repair Confirmation Procedure

- (1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE or LATCHED for the maintenance message (or the message does not show), then you corrected the fault.



814. Galley Load Relay (GLR) Problems - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 25-10006.

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B. Initial Evaluation

NOTE: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position.

NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).

(1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.

NOTE: This causes the ELMS to command the relay to the open position.

- (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Do these steps to replace the GLR in the door 4L galley:
 - (a) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (b) Replace the GLR in door 4L galley. (WDM 25-31-13)
 - (c) Do the repair confirmation procedure at the end of this task.
- (2) Do a check of the signal interface unit 1 (SIU 1), M24504, at the left power management panel, P110.

This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

- (a) Do the repair confirmation procedure at the end of this task.
- (3) Do this check for power at the relay:
 - (a) Set the emergency power switch to the OFF position.

Left Power Management Panel, P110

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
J	20	C25607	DR 4L GLY

- (b) Remove the GLR.
- (c) Set emergency power switch to the NORM or ON position.
- (d) Do a check for 28 VDC from pin X1 to airplane ground.
- (e) If there is not 28 VDC, then do these steps:
 - 1) Set electrical power switch to the OFF position.
 - 2) Repair the wiring.

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DK2500	C25607	
pin X1		pin 2

- 3) Install the GLR.
- 4) Do the repair confirmation procedure at the end of this task.
- (f) If there is 28V DC at pin X1 to structure ground, then continue.
- (4) Do the following steps:
 - (a) Do this check of the wiring for SIU 1:
 - 1) Set emergency power switch OFF position.
 - Disconnect the electrical connector, DM24504B, from the SIU 2, M24504, on the left power management panel, P110.
 - 3) Do a check of the wiring.

DK25006	M24504
pin X2	pin 17

- (b) If the wiring needs repair, then do these steps:
 - Repair the wiring.
 - 2) Install the GLR.
 - 3) Connect the electrical connector, DM24504B, to the SIU 1, M24504, on the left power management panel, P110.
 - 4) Do the repair confirmation procedure at the end of this task.
- (c) If the wiring does not need repair, see (WDM 25-31-13).

D. Repair Confirmation Procedure

- (1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE or LATCHED for the maintenance message (or the message does not show), then you corrected the fault.

----- END OF TASK -----

815. Galley Load Relay (GLR) Problems - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 25-10007.

B. Initial Evaluation

NOTE: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position.

NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).

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- (1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - NOTE: This causes the ELMS to command the relay to the open position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE or LATCHED for the maintenance message (or the message does not show), then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Do these steps to replace the galley load relay (GLR) in the door 1 galley:
 - (a) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (b) Replace the GLR in door 1 galley. (WDM 25-31-11)
 - (c) Do the repair confirmation procedure at the end of this task.
- (2) Do a check of the signal interface unit 2, M24509, at the right power management panel, P210.

This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

- (a) Do the repair confirmation procedure at the end of this task.
- (3) Do this check for power at the relay:
 - (a) Set the emergency power switch to the OFF position.

Left Power Management Panel, P110

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
J	21	C25606	DR 2 GLY

- (b) Remove the GLR. (WDM 25-31-11)
- (c) Set the emergency power switch to the NORM or ON position.
- (d) Do a check for 28 VDC from pin X1 to airplane ground.
- (e) If there is not 28 VDC, then do these steps:
 - 1) Set the electrical power switch to the OFF position.
 - 2) Repair the wiring.

GLR	K25003
pin X1	 pin A1

- 3) Install the GLR. (WDM 25-31-11)
- 4) Do the repair confirmation procedure at the end of this task.
- (f) If there is 28V DC at pin X1 to structure ground, then continue.
- (4) Do the following steps:

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- (a) Do this check of the wiring for the SIU 2:
 - 1) Set emergency power switch OFF position.

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- 2) Disconnect the electrical connector, DM24509B, from the SIU 2, M24509, on the right power management panel, P210.
- 3) Do a check of the wiring.

GLR	M24509
pin X2	 pin 39

- (b) If the wiring needs repair, then do these steps:
 - 1) Repair the wiring.
 - 2) Install the GLR. (WDM 25-31-11)
 - 3) Connect the electrical connector, DM24509B, to the SIU 2, M24509, on the right power management panel, P210.
 - 4) Do the repair confirmation procedure at the end of this task.
- (c) If the wiring does not need repair, see (WDM 25-31-11).

D. Repair Confirmation Procedure

- (1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE or LATCHED for the maintenance message (or the message does not show), then you corrected the fault.

----- END OF TASK -----

816. Galley Load Relay (GLR) Problems - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 25-10008.

B. Initial Evaluation

<u>NOTE</u>: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position.

NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).

(1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.

NOTE: This causes ELMS to command the relay to the open position.

- (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE or LATCHED for the maintenance message (or the message does not show), then there was an intermittent fault.

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C. Fault Isolation Procedure

- (1) Do these steps to replace the galley load relay (GLR) in the galley:
 - (a) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (b) Replace the GLR in the door 5R galley. (WDM 25-31-16)
 - (c) Do the repair confirmation procedure at the end of this task.
- (2) Do a check of the signal interface unit 1 (SIU 1), M24508, at the Right power management panel, P210.

This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

- (a) Do the repair confirmation procedure at the end of this task.
- (3) Do this check for power at the relay:
 - (a) Set the emergency power switch to the OFF position.

Left Power Management Panel, P110

Row	<u>Col</u>	Number	<u>Name</u>
J	21	C25606	DR 2 GLY

- (b) Remove the GLR. (WDM 25-31-16)
- (c) Set emergency power switch to NORM or ON position.
- (d) Do a check for 28 VDC from pin X1 to airplane ground.
- (e) If there is not 28 VDC, then do these steps:
 - 1) Set electrical power switch to the OFF position.
 - 2) Repair the wiring.

GLR	K25008
pin X1	 pin A1

- 3) Install the GLR.
- 4) Do the repair confirmation procedure at the end of this task.
- (f) If there is 28V DC at pin X1 to airplane ground, then continue.
- (4) Do the following steps:

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- (a) Do a check of the wiring for the SIU 1.
 - 1) Set emergency power switch to the OFF position.
 - Disconnect the electrical connector, DM24508B, from the SIU 1, M24508, on the right power management panel, P210.
 - 3) Do a check of the wiring.

GLR	M24508
pin X2	 pin 40

- (b) If the wiring needs repair, then do these steps:
 - Repair the wiring.
 - 2) Install the GLR. (WDM 25-31-16)

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- 3) Connect the electrical connector, DM24508B, to the SIU 1, M24508, on the right power management panel, P210.
- 4) Do the repair confirmation procedure at the end of this task.
- (c) If the wiring does not need repair, see (WDM 25-31-16).

D. Repair Confirmation Procedure

- (1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then you corrected the fault.



817. Contactor M25044 Problems - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 25-31005.

B. Initial Evaluation

- NOTE: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position. This fault un-latches automatically when ELMS detects that the relay operates correctly.
- NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).
- (1) If maintenance messages 25–31006 and 24–11779 are both also ACTIVE, then do this task: P110 Configuration Loadshed Fault Isolation, 24-51 TASK 851.
- (2) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - NOTE: This causes ELMS to command the relay to the open position.
 - (a) Wait for 25 seconds.
- (3) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Do these steps to replace the contactor, M25044, for the door 2 galley power, at the left power management panel, P100. (WDM 25-31-12)
 - (a) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (b) Do this task: ELCU Removal, AMM TASK 24-51-05-000-801.
 - (c) Do this task: ELCU Installation, AMM TASK 24-51-05-400-801.

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- (d) Do the repair confirmation procedure at the end of this task.
- (2) Do these steps to replace the power panel controller, M24500, at the left power panel, P100.
 - (a) Do this task: Power Panel Controller Removal, AMM TASK 24-09-00-000-816-002.
 - (b) Do this task: Power Panel Controller Installation, AMM TASK 24-09-00-400-812-002.
 - (c) Do the repair confirmation procedure at the end of this task.
- (3) Do these steps to check the wiring for the door 2 galley contactor, M25044, in the left power panel, P100:
 - (a) Disconnect these electrical connectors:
 - 1) Disconnect the electrical connectors, DM25044 and DM24500, from the contactor, M25044, in the left power panel, P100.
 - 2) Disconnect the electrical connector, D524, from the disconnect station near the door 2 galley complex.
 - (b) Do a check of the wiring between the electrical connectors, DM25044 and DM24500.

DM250)44	DM24500
pin 1		pin B84
pin 5		pin A103
pin 6		pin A104
pin 7		pin A105
pin 8		pin A106
pin 9		pin A93
pin 10		pin A79
pin 2		pin B86
pin 13		pin A57
pin 14		pin A73
pin 17		pin B72

- Repair the wiring if it is necessary
- (c) Do a check of the wiring between the electrical connectors, DM25044 and D524.

DM25044	1	D524
term A2		pin A
term B2		pin B
term C2		pin C

- 1) Repair the wiring if it is necessary.
- (d) Do a check of the wiring between the contactor, DM25044, and the circuit breaker, C24331.

DM25044	C24331
term A1	term A2
term B1	term B2
term C1	term C2

- 1) Repair the wiring if it is necessary. Reference WDM 24-51-11 for troubleshooting.
- (e) Connect these electrical connectors:

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- Connect the electrical connectors, DM25044 and DM24500, in the left power panel, P100.
- 2) Connect the electrical connector, D524, to the disconnect station near the door 2 galley complex.
- (f) Do the repair confirmation procedure at the end of this task.

D. Repair Confirmation Procedure

- (1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then you corrected the fault.



818. Contactor M25135 Problems - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 25-31006.

B. Initial Evaluation

- NOTE: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position. This fault un-latches automatically when ELMS detects that the relay operates correctly.
- NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).
- (1) If maintenance messages 25–31005 and 24–11779 are both also ACTIVE then do this task: P110 Configuration Loadshed Fault Isolation, 24-51 TASK 851.
- (2) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - NOTE: This causes ELMS to command the relay to the open position.
 - (a) Wait for 25 seconds.
- (3) Set the emergency power switch to the NORM or OFF position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Do these steps to replace the contactor, M25135, for the galley power in the left power panel, P100:
 - (a) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (b) Do this task: ELCU Removal, AMM TASK 24-51-05-000-801.

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- (c) Do this task: ELCU Installation, AMM TASK 24-51-05-400-801.
- (d) Do the repair confirmation procedure at the end of this task.
- (2) Do these steps to replace the power panel controller, M24500, at the left power panel, P100:
 - (a) Do this task: Power Panel Controller Removal, AMM TASK 24-09-00-000-816-002.
 - (b) Do this task: Power Panel Controller Installation, AMM TASK 24-09-00-400-812-002.
 - (c) Do the repair confirmation procedure at the end of this task.
- (3) Do these steps to check the wiring for the galley contactor, M25135, in the left power panel, P100:
 - (a) Disconnect these electrical connectors:
 - 1) Disconnect the electrical connector, DM25135 and DM24500, from the contactor, M25135, in the left power panel, P100.
 - 2) Disconnect the electrical connector, D519, from the disconnect station near the galley complex.
 - (b) Do a check of the wiring between the electrical connectors, DM25135 and DM24500.

DM251	135	DM24500
pin 1		pin A38
pin 5		pin A52
pin 6		pin A39
pin 7		pin A25
pin 8		pin A12
pin 9		pin A11
pin 10		pin A10
pin 2		pin A23
pin 13		pin A37
pin 14		pin A64
pin 17		pin A90

- 1) Repair the wiring if it is necessary
- (c) Do a check of the wiring between the contactor, M25135, and the electrical connector, D519.

M25135	D519
term A2	 pin A
term B2	 pin B
term C2	 pin C

- 1) Repair the wiring if it is necessary
- (d) Do a check of the wiring between the contactor, M25135, and the circuit breaker, C24331.

M25135	C24331
term A1	 term A2
term B1	 term B2
term C1	 term C2

1) Repair the wiring if it is necessary

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- (e) Connect these electrical connectors:
 - 1) Connect the electrical connectors, DM25135 and DM24500, in the left power panel, P100.
 - 2) Connect the electrical connector D519 to the disconnect station near the galley complex.
- (f) Do the repair confirmation procedure at the end of this task.

D. Repair Confirmation Procedure

- (1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then you corrected the fault.



819. Relay K25005 Problems - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 25-31007.

B. Initial Evaluation

- NOTE: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position. This fault un-latches automatically when ELMS detects that the relay operates correctly.
- NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).
- (1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - NOTE: This causes ELMS to command the relay to the open position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Do these steps to replace the door 2 galley DC power relay, K25005:
 - (a) Put the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (b) Replace the relay, K25005, on the left power management panel, P110 (WDM 25-31-12).
 - (c) Do the repair confirmation procedure at the end of this task.

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(2) Do a check of the signal interface unit 2 (SIU 2), M24505, at the left power management panel, P110.

This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

- (a) Do the repair confirmation procedure at the end of this task.
- (3) Do these steps to check for power at the circuit breaker:
 - (a) Do a check for 28V DC from terminal 2 (load side) of the circuit breaker, C25606, to the airplane ground.
 - 1) Make sure that this circuit breaker is closed:

Left Power Management Panel, P110

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
J	21	C25606	DR 2 GLY

- (b) If there is not 28V DC at terminal 2, then do these steps:
 - 1) Replace

Left Power Management Panel, P110

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
J	21	C25606	DR 2 GLY

- Do this task: Circuit Breaker Removal, AMM TASK 24-09-00-000-818-002.
- b) Do this task: Circuit Breaker Installation, AMM TASK 24-09-00-400-814-002.
- c) Do the repair confirmation procedure at the end of this task.
- 2) If there is 28V DC, then continue.
- (4) Do these steps to check for power at the relay, K25005:
 - (a) Remove the Door 2 Galley DC power relay, K25005, on the left power management panel, P110 (WDM 25-31-12).
 - (b) Do a check for 28V DC from pins A2 and X1 of the electrical connector, DK25005, to the airplane ground (WDM 25-31-12).
 - (c) If there is not 28V DC, then do these steps:
 - 1) Repair the wiring between pins A2 and X1 of electrical connector, DK25005, and terminal 2 of circuit breaker, C25606.

DK2500	C25606	
pin A2		term 2
pin X1		term 2

- 2) Install the door 2 galley DC power relay, K25005, on the left power management panel, P110.
- 3) Do the repair confirmation procedure at the end of this task.
- (d) If there is 28V DC, then continue.
- (5) Do these steps to check of the wiring for SIU 2, M24505:
 - (a) Install the door 2 galley DC power relay, K25005, if it is not installed.
 - (b) Disconnect the electrical connector, DM24505B, from the SIU 2, M24505, at the left power management panel, P110.

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- (c) Do a check for 28V DC from pin 10 of the electrical connector, DM24505B, to the airplane ground (WDM 25-31-12).
- (d) If there is not 28V DC, then do these steps:
 - 1) Repair the wiring between pin 10 of the electrical connector, DM24505B, and terminal 2 of the circuit breaker, C25606 (WDM 25-31-12).

DM24505B	C25606
pin 10	term 2

- 2) Connect the electrical connector, DM24505B, to the SIU 2, M24505, on the left power management panel, P110.
- (e) Do the repair confirmation procedure at the end of this task.
- (6) If the 28V DC, then continue.
- (7) Do this check of the wiring:
 - (a) Disconnect the electrical connector, DM24505B, to the SIU 2, M24505, on the left power management panel, P110.
 - (b) Remove the door 2 Galley DC power relay, K25005 (WDM 25-31-12).
 - (c) Do a wiring check between the pins of the electrical connector, DK25005, and the connector, DM24505B (WDM 25-31-12).

DK2500	DM24505B	
pin A1		pin 18

- (d) Do these steps to repair the wiring:
 - Repair the wiring.
 - 2) Install the door 2 galley DC power relay, K25005.
 - 3) Connect the electrical connector, DM24505B, to the SIU 2, M24505B on the left power management panel, P110.
 - 4) Do the repair confirmation procedure at the end of this task.
- (e) If the wiring is check is good, See WDM 25-31-12.

D. Repair Confirmation Procedure

- Set the emergency power switch, on the galley electrical control panel, to the off position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then you corrected the fault.

——— END OF TASK ———

820. Relay K25006 Problems - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 25-31008.

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B. Initial Evaluation

NOTE: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position. This fault un-latches automatically when ELMS detects that the relay operates correctly.

NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).

(1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.

NOTE: This causes ELMS to command the relay to the open position.

- (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Do these steps to replace the galley DC power relay, K25006:
 - (a) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (b) Replace the relay, K25006 (WDM 25-31-17).
 - (c) Do the repair confirmation procedure at the end of this task.
- (2) Do a check of the signal interface unit 1 (SIU 1), M24504, at the left power management panel, P110.

This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

- (a) Do the repair confirmation procedure at the end of this task.
- (3) Do these steps to check for power at the circuit breaker, C25607:
 - Do a check for 28V DC from terminal 2 (load side) of the circuit breaker, C25607, to the airplane ground.
 - 1) Make sure that this circuit breaker is closed:

Left Power Management Panel, P110

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
J	20	C25607	DR 4L GLY

- (b) If there is not 28V DC at terminal 2, then do these steps:
 - 1) Replace

Left Power Management Panel, P110

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
J	20	C25607	DR 4L GLY

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- a) Do this task: Circuit Breaker Removal, AMM TASK 24-09-00-000-818-002.
- b) Do this task: Circuit Breaker Installation, AMM TASK 24-09-00-400-814-002.
- c) Do the repair confirmation procedure at the end of this task.
- 2) If there is 28V DC, then continue.
- (4) Do these steps to check for power at the relay, K25006:
 - (a) Remove the galley DC power relay, K25006 (WDM 25-31-13).
 - (b) Do a check for 28V DC from pins A2 and X1 of the electrical connector, DK25006, to the airplane ground (WDM 25-31-13).
 - (c) If there is not 28V DC, then do these steps:
 - 1) Repair the wiring between pins A2 and X1 of the electrical connector, DK25006, and terminal 2 of the circuit breaker, C25607 (WDM 25-31-13).

DK25006	C25607
pin A2	term 2
pin X1	term 2

- 2) Install the galley DC power relay, K25006.
- 3) Do the repair confirmation procedure at the end of this task.
- (d) If there is 28V DC, then continue.

(5)

- (a) Do these steps to check of the wiring for SIU 1, M24504:
 - 1) Install the galley DC pwr relay, K25006 if it is not installed.
 - 2) Disconnect the electrical connector, DM24504B, to the SIU 1, M24504, at the left power management panel, P110.
 - 3) Do a check for 28V DC from pin 17 of the electrical connector, DM24505B, to the airplane ground (WDM 25-31-13).
 - 4) If there is not 28V DC, then do these steps:
 - a) Repair the wiring between pin 17 of the electrical connector, DM24504B, and terminal 2 of the circuit breaker, C25607 (WDM 25-31-13).

DM245	C25607	
pin 17		term 2

- b) Connect the electrical connector, DM24504B, to the SIU 1, M24504, on the left power management panel, P110.
- 5) Do the repair confirmation procedure at the end of this task.
- (b) If there is 28V DC, then continue.
- (6) Do this check of the wiring:
 - (a) Disconnect the electrical connector, DM24504B, from the SIU 1 M24504, on the left power management panel, P110.
 - (b) Remove the galley DC power relay, K25006 (WDM 25-31-13).
 - (c) Do a wiring check between the pins of the connector, DK25006, and the electrical connector, DM24504B (WDM 25-31-13).

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DK2500	06	DM24504B
pin A1		pin 12

- (d) If the wiring is bad, then do these steps:
 - 1) Repair the wiring.
 - 2) Install the galley DC power relay, K25006.
 - 3) Connect the electrical connector DM24504B to the SIU 1, M24504B, on the left power management panel, P110.
 - 4) Do the repair confirmation procedure at the end of this task.
- (e) If the wiring is good then see (WDM 25-31-13).

D. Repair Confirmation Procedure

- (1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then you corrected the fault.



821. Galley Power Function (P100) Problems - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 25-31009.

B. Initial Evaluation

- NOTE: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position. This fault un-latches automatically when ELMS detects that the relay operates correctly.
- NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).
- (1) Set the emergency power switch, on the galley electrical control panel, to the off position.
 - NOTE: This causes ELMS to command the relay to the open position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

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C. Fault Isolation Procedure

- (1) Do these steps to replace the power panel controller, M24500, at the left power panel, P100:
 - (a) Do this task: Power Panel Controller Removal, AMM TASK 24-09-00-000-816-002.
 - (b) Do this task: Power Panel Controller Installation, AMM TASK 24-09-00-400-812-002.
 - (c) Do the repair confirmation procedure at the end of this task.
- (2) Do these steps to replace the contactor, M25135, for the galley power in the left power panel, P100:
 - (a) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (b) Do this task: ELCU Removal, AMM TASK 24-51-05-000-801.
 - (c) Do this task: ELCU Installation, AMM TASK 24-51-05-400-801.
 - (d) Do the repair confirmation procedure at the end of this task.
- (3) Do these steps to check the wiring for the power panel controller, M24500, in the left power panel, P100:
 - (a) Disconnect these electrical connectors:
 - 1) Disconnect the electrical connector, DM25135, from the contactor, M25135, in the left power panel, P100.
 - 2) Disconnect the electrical connector, DM24500, from the contactor, M24500, in the left power panel, P100.
 - 3) Disconnect the electrical connectors, D519J and D526J, from the disconnect station, AP0014, that is near the aft galley complex.
 - 4) Disconnect the electrical connector, D11004, from the left power management panel, P110.
 - 5) Disconnect the electrical connector, DK25006, from the galley DC power relay, K25006, in the left power management panel, P110.
 - (b) Do a check of the wiring between the electrical connectors DM25135 and DM24500:

DM25135	DM24500
pin 1	pin A38
pin 5	pin A52
pin 6	pin A39
pin 7	pin A25
pin 8	pin A12
pin 9	pin A11
pin 10	pin A10
pin 2	pin A23
pin 13	pin A37
pin 14	pin A64
pin 17	pin A90

(c) Do a check of the wiring between the galley power contactor, M24500, and the electrical connector, DK25006:

M24500	DK25006
pin A38	pin A1

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(d) Do a check of the wiring between the electrical connectors DM25135 and D519J:

DM25135	D519J
pin A2	pin A
pin B2	pin B
pin C2	pin C
GND	pin D

(e) Do a check of the wiring between the electrical connectors DM24500 and DM526J:

DM24500	D526J
pin A65	pin 4
pin A78	pin 5
pin A91	pin 6
pin A51	pin 7

- (f) If the wiring is bad, then do these steps:
 - 1) Repair the wiring.
 - Connect the electrical connector, DM25135, to the contactor, M25135, in the left power panel, P100.
 - 3) Connect the electrical connector, DM24500, to the contactor, M24500, in the left power panel, P100.
 - 4) Connect the electrical connectors, D519J and D526J, to the disconnect station, AP0014, that is near the aft galley complex.
 - 5) Connect the electrical connector, D11004, to the left power management panel, P110.
 - 6) Connect the electrical connector, DK25006, to the galley DC power relay, K25006, in the left power management panel, P110.
 - 7) Do the repair confirmation procedure at the end of this task.

D. Repair Confirmation Procedure

- (1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then you corrected the fault.

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EFFECTIVITY



822. Door 2 Galley Power Function Problems - Fault Isolation

A. Initial Evaluation

- NOTE: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position. This fault un-latches automatically when ELMS detects that the relay operates correctly.
- NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).
- (1) Set the emergency power switch on the galley electrical control panel to the OFF position.
 - NOTE: This causes ELMS to command the relay to the open position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Do these steps to replace the power panel controller, M24500, at the left power panel, P100:
 - (a) Do this task: Power Panel Controller Removal, AMM TASK 24-09-00-000-816-002.
 - (b) Do this task: Power Panel Controller Installation, AMM TASK 24-09-00-400-812-002.
 - (c) Do the repair confirmation procedure at the end of this task.
- (2) Do these steps to replace the contactor, M25044, for the galley power in the left power panel, P100:
 - (a) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (b) Do this task: ELCU Removal, AMM TASK 24-51-05-000-801.
 - (c) Do this task: ELCU Installation, AMM TASK 24-51-05-400-801.
 - (d) Do the repair confirmation procedure at the end of this task.
- (3) Do these steps to check the wiring for the power panel controller, M24500, in the left power panel, P100:
 - (a) Disconnect these electrical connectors:
 - Disconnect the electrical connector, DM25044, from the contactor, M25044, in the left power panel, P100.
 - 2) Disconnect the electrical connector, DM24500, from the contactor, M24500, in the left power panel, P100.
 - 3) Disconnect the electrical connectors, D524J and D525J, from the disconnect station, AP0012, that is near the door 2 galley complex.
 - 4) Disconnect the electrical connector, D11004, from the left power management panel, P110.

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- 5) Disconnect the electrical connector, DK25005, from the door 2 galley DC power relay, K25005, in the left power management panel, P110.
- (b) Do a check of the wiring between the electrical connectors DM25044 and DM24500:

DM25044	DM24500
pin 1	pin B84
pin 5	pin A103
pin 6	pin A104
pin 7	pin A105
pin 8	pin A106
pin 9	pin A93
pin 10	pin A79
pin 2	pin B86
pin 13	pin A57
pin 14	pin A73
pin 17	pin A72

(c) Do a check of the wiring between the electrical connectors DM24500 and DK25005:

DM24500	DK25005
pin A84	pin A1

(d) Do a check of the wiring between the galley power contactor, M25044, and the electrical connector, D524J:

M25044	D524J
term A2	 pin A
term B2	 pin B
term C2	 pin C
GND	 pin D

(e) Do a check of the wiring between the electrical connectors DM24500 and DM525J:

DM24500	D525J
pin A58	pin 4
pin A72	pin 5
pin A86	pin 6
pin A56	pin 7

- (f) If the wiring is bad, then do these steps:
 - 1) Repair the wiring.
 - 2) Connect the electrical connector, DM25044, to the contactor, M25044, in the left power panel, P100.
 - 3) Connect the electrical connector, DM24500, to the contactor, M24500, in the left power panel, P100.
 - 4) Connect the electrical connectors, D524J and D525J, to the disconnect station, AP0012, that is near the door 2 galley complex.
 - 5) Connect the electrical connector, D11004, to the left power management panel, P110.

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- 6) Connect the electrical connector, DK25005, to the door 2 galley DC power relay, K25005, in the left power management panel, P110.
- 7) Do the repair confirmation procedure at the end of this task.

C. Repair Confirmation Procedure

- (1) Set the emergency power switch on the galley electrical control panel to the OFF position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then you corrected the fault.



823. Contactor M25043 Problems - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 25-32005.

B. Initial Evaluation

- NOTE: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position. This fault un-latches automatically when ELMS detects that the relay operates correctly.
- NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).
- (1) If maintenance messages 25–32006 and 24–12046 are both also ACTIVE then, do this task: P210 Configuration Loadshed Fault Isolation, 24-51 TASK 852.
- (2) Set the emergency power switch, on the galley electrical control panel, to the OFF position.

 NOTE: This causes ELMS to command the relay to the open position.
 - (a) Wait for 25 seconds.
- (3) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

C. Fault Isolation Procedure

- Do these steps to replace the contactor, M25043, for the galley power in the right power panel, P200.
 - (a) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (b) Do this task: ELCU Removal, AMM TASK 24-51-05-000-801.
 - (c) Do this task: ELCU Installation, AMM TASK 24-51-05-400-801.
 - (d) Do the repair confirmation procedure at the end of this task.

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- (2) Do these steps to replace the power panel controller, M24501, at the right power panel, P200.
 - (a) Do this task: Power Panel Controller Removal, AMM TASK 24-09-00-000-816-002.
 - (b) Do this task: Power Panel Controller Installation, AMM TASK 24-09-00-400-812-002.
 - (c) Do the repair confirmation procedure at the end of this task.
- (3) Do these steps to check the wiring for the door 1 galley contactor, M25043, in the right power panel, P200:
 - (a) Disconnect these electrical connectors:
 - Disconnect the electrical connector, DM25043 and DM24501, in the right power panel, P200.
 - 2) Disconnect the electrical connector, D500, from the disconnect station near the door 1 galley complex.
 - (b) Do a check of the wiring between the electrical connectors, DM25043 and DM24501.

DM250)43	DM2450
pin 1		pin B84
pin 5		pin A103
pin 6		pin A104
pin 7		pin A105
pin 8		pin A106
pin 9		pin A93
pin 10		pin A79
pin 2		pin A86
pin 13		pin A57
pin 14		pin A73
pin 17		pin B72

- 1) Repair the wiring if it is necessary
- (c) Do a check of the wiring between the electrical connectors, DM25043 and D500.

DM25043	3	D500
term A2		pin A
term B2		pin B
term C2		pin C

- 1) Repair the wiring if it is necessary
- (d) Do a check of the wiring between the contactor M25043 and the circuit breaker, C24321.

D25043	C24321
term A1	 term A2
term B1	 term B2
term C1	 term C2

- 1) Repair the wiring if it is necessary
- (e) Connect these electrical connectors:
 - 1) Connect the electrical connectors, DM25043 and DM 24501, in the right power panel, P200.

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- 2) Connect the electrical connector, D500, to the disconnect station near the door 1 galley complex.
- (f) Do the repair confirmation procedure at the end of this task.

D. Repair Confirmation Procedure

- (1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then you corrected the fault.



824. Contactor M25235 Problems - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 25-32006.

B. Initial Evaluation

- NOTE: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position. This fault un-latches automatically when ELMS detects that the relay operates correctly.
- NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).
- (1) If maintenance messages 25–32005 and 24–12046 are both also ACTIVE then, do this task: P210 Configuration Loadshed Fault Isolation, 24-51 TASK 852.
- (2) Set the emergency power switch, on the galley electrical control panel, to the OFF position.

 NOTE: This causes ELMS to command the relay to the open position.
 - (a) Wait for 25 seconds.
- (3) Set the emergency power switch to the NORM or OFF position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

C. Fault Isolation Procedure

- Do these steps to replace the contactor, M25235, for the galley power in the right power panel, P200.
 - (a) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (b) Do this task: ELCU Removal, AMM TASK 24-51-05-000-801.
 - (c) Do this task: ELCU Installation, AMM TASK 24-51-05-400-801.
 - (d) Do the repair confirmation procedure at the end of this task.

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- (2) Do these steps to replace the power panel controller, M24501, at the right power panel, P200.
 - (a) Do this task: Power Panel Controller Removal, AMM TASK 24-09-00-000-816-002.
 - (b) Do this task: Power Panel Controller Installation, AMM TASK 24-09-00-400-812-002.
 - (c) Do the repair confirmation procedure at the end of this task.
- (3) Do these steps to check the wiring for the galley contactor, M25235, in the right power panel, P200:
 - (a) Disconnect these electrical connectors:
 - 1) Disconnect the electrical connectors, DM25235 and DM24501, in the right power panel, P200.
 - 2) Disconnect the electrical connector, D552, from the disconnect station near the galley complex.
 - (b) Do a check of the wiring between the connectors, DM25235 and DM24501.

DM252	235	DM2450
pin 1		pin A38
pin 5		pin A52
pin 6		pin A39
pin 7		pin A25
pin 8		pin A12
pin 9		pin A11
pin 10		pin A10
pin 2		pin A23
pin 13		pin A37
pin 14		pin A64
pin 17		pin A90

- 1) Repair the wiring if it is necessary
- (c) Do a check of the wiring between the contactor, M25235, and the electrical connector, D552.

D25235	D552
term A2	 pin A
term B2	 pin B
term C2	 pin C

- 1) Repair the wiring if it is necessary
- (d) Do a check of the wiring between the contactor, M25235, and the circuit breaker, C24321.

M25235	C24321
term A1	 term A2
term B1	 term B2
term C1	 term C2

- 1) Repair the wiring if it is necessary
- (e) Connect these electrical connectors:

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- Connect the electrical connectors, DM25235 and DM24501, in the right power panel, P200.
- 2) Connect the electrical connector, D552, to the disconnect station near the galley complex.
- f) Do the repair confirmation procedure at the end of this task.

D. Repair Confirmation

- (1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then you corrected the fault.



825. Relay K25003 Problems - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 25-32007.

B. Initial Evaluation

- NOTE: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position. This fault un-latches automatically when ELMS detects that the relay operates correctly.
- NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).
- (1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.

 NOTE: This causes ELMS to command the relay to the open position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or OFF position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Do these steps to replace the galley DC power relay, K25003:
 - (a) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (b) Replace the relay, K25003 (WDM 25-31-11).
 - (c) Do the repair confirmation procedure at the end of this task.
- (2) Do a check of the signal interface unit 1 (SIU 1), M24508, at the right power management panel, P210.

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This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

- (a) Do the repair confirmation procedure at the end of this task.
- (3) Do these steps to check for power at the circuit breaker, C25605:
 - (a) Do a check for 28V DC from terminal 2 (load side) of the circuit breaker, C25605 to the airplane ground.
 - 1) Make sure that this circuit breaker is closed:

Right Power Management Panel, P210

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	16	C25639	DR 1 GLY

- (b) If there is not 28V DC at terminal 2, then do these steps:
 - 1) Replace this circuit breaker:

Right Power Management Panel, P210

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	16	C25639	DR 1 GLY

- a) Do this task: Circuit Breaker Removal, AMM TASK 24-09-00-000-818-002.
- b) Do this task: Circuit Breaker Installation, AMM TASK 24-09-00-400-814-002.
- c) Do the repair confirmation procedure at the end of this task.
- 2) If there is 28V DC, then continue.
- (4) Do these steps to check for power at the relay, K25003:
 - (a) Remove the Galley DC power relay, K25003 (WDM 25-31-11).
 - (b) Do a check for 28V DC from pins A2 and X1 of the connector, DK25003, to the airplane ground (WDM 25-31-11).
 - (c) If there is not 28V DC, then do these steps:
 - 1) Repair the wiring between pins A2 and X1 of the electrical connector, DK25003, and terminal 2 of the circuit breaker, C25605 (WDM 25-31-11).

DK25003		C25605
pin A2		term 2
nin X1		term 2

- 2) Install the galley DC pwr relay, K25003.
- 3) Do the repair confirmation procedure at the end of this task.
- (d) If there is 28V DC, then continue.

(5)

- (a) Do these steps to check of the wiring for SIU 1, M24508:
 - 1) Install the galley DC pwr relay, K25003 if it is not installed.
 - 2) Disconnect the electrical connector, DM24508B, from the SIU 1, M24508, at the right power management Panel, P210.
 - 3) Do a check for 28V DC from pin 10 of the connector, DM24508B, to the airplane ground (WDM 25-31-11).

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- 4) If there is not 28V DC, then do these steps:
 - a) Repair the wiring between pin 10 of the connector DM24508B and terminal 2 of the circuit breaker, C25605 (WDM 25-31-11).

DM24508B	C25605
pin 10	term 2

- Connect the electrical connector, DM24508B, to the SIU 1, M24508, on the right power management panel, P210.
- 5) Do the repair confirmation procedure at the end of this task.
- (b) If there is 28V DC, then continue.
- (6) Do this check of the wiring:
 - (a) Disconnect the electrical connector, DM24508B, from the SIU 1, M24508, on the right power management panel, P210.
 - (b) Remove the galley DC power relay, K25003 (WDM 25-31-11).
 - (c) Do a wiring check between the pins of the electrical connector, DK25003, and the electrical connector, DM24508B (WDM 25-31-11).

DK2500	03	DM24508B
pin A1		pin 14

- (d) If the wiring is bad, then do these steps:
 - 1) Repair the wiring.
 - 2) Install the galley DC power relay, K25003.
 - 3) Connect the electrical connector DM24508B to the SIU 1, M24508, on the right power management panel, P210.
 - 4) Do the repair confirmation procedure at the end of this task.
- (e) If the wiring is good then see (WDM 25-31-11).

D. Repair Confirmation Procedure

- (1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then you corrected the fault.

FND C	F TASK ——	
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826. Relay K25008 Problems - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 25-32008.

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B. Initial Evaluation

NOTE: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position. This fault un-latches automatically when ELMS detects that the relay operates correctly.

NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).

(1) Set the emergency power switch, on the galley electrical control panel, to the OFF position.

NOTE: This causes ELMS to command the relay to the open position.

- (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or OFF position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Replace the galley DC power relay, K25008:
 - (a) Set the emergency power switch on the galley electrical control panel to the OFF position.
 - (b) Replace the relay, K25008. (WDM 25-31-16)
 - (c) Do the repair confirmation procedure at the end of this task.
- (2) Do a check of the signal interface unit 2 (SIU 2), M24509, at the right power management panel, P210.

This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

- (a) Do the repair confirmation procedure at the end of this task.
- (3) Do these steps to check for power at the circuit breaker, C25608:
 - (a) Do a check for 28V DC from terminal 2 (load side) of the circuit breaker, C25608, to the airplane ground.
 - 1) Make sure that this circuit breaker is closed:

Right Power Management Panel, P210

Row	<u>Col</u>	Number	<u>Name</u>
F	15	C25640	R AFT GALLEY POWER

- (b) If there is not 28V DC at terminal 2, then do these steps:
 - 1) Replace

Right Power Management Panel, P210

Row	<u>C01</u>	<u>number</u>	<u>name</u>
F	15	C25640	R AFT GALLEY POWER

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- a) Do this task: Circuit Breaker Removal, AMM TASK 24-09-00-000-818-002.
- b) Do this task: Circuit Breaker Installation, AMM TASK 24-09-00-400-814-002.
- c) Do the repair confirmation procedure at the end of this task.
- 2) If there is 28V DC, then continue.
- (4) Do these steps to check for power at the relay, K25008:
 - (a) Remove the Galley DC power relay, K25008.
 - (b) Do a check for 28V DC from pins A2 and X1 of the connector, DK25008, to the airplane ground.
 - (c) If there is not 28V DC, then do these steps:
 - 1) Repair the wiring between pins A2 and X1 of the electrical connector, DK25008, and terminal 2 of the circuit breaker, C25608.

DK2500	C25608	
pin A2		term 2
pin X1		term 2

- 2) Install the galley DC pwr relay, K25008.
- 3) Do the repair confirmation procedure at the end of this task.
- (d) If there is 28V DC, then continue.

(5)

- (a) Do these steps to check of the wiring for SIU 2, M24509:
 - 1) Install the galley DC pwr relay, K25008, if it is not installed.
 - 2) Disconnect the electrical connector, DM24509B, to the SIU 2, M24509, at the right power management panel, P210.
 - 3) Do a check for 28V DC from pin 17 of the electrical connector, DM24509B, to the airplane ground.
 - 4) If there is not 28V DC, then do these steps:
 - a) Repair the wiring between pin 8 of the connector, DM24509B, and terminal 2 of the circuit breaker, C25608.

DM245	C25608	
8 nig		term 2

- b) Connect the electrical connector, DM24509B, to the SIU 2, M24509, on the right power management panel, P210.
- 5) Do the repair confirmation procedure at the end of this task.
- (b) If there is 28V DC, then continue.
- (6) Do this check of the wiring:
 - (a) Disconnect the electrical connector, DM24509B, from the SIU 2, M24504, on the left power management panel, P210.
 - (b) Remove the galley DC power relay, K25006.
 - (c) Do a wiring check between the pins of the electrical connector, DK25008, and the electrical connector, DM24509B.

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DK2500	08	DM24509B
pin A1		pin 14

- (d) If the wiring is bad, then do these steps:
 - Repair the wiring.
 - 2) Install the galley DC power relay, K25008.
 - 3) Connect the electrical connector, DM24509B, to the SIU 2, M24509B, on the right power management panel, P210.
 - 4) Do the repair confirmation procedure at the end of this task.
- (e) If the wiring is good then see (WDM 25-31-16).

D. Repair Confirmation Procedure

- (1) Set the emergency power switch, on the galley electrical control panel to the OFF position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then you corrected the fault.



827. Galley Power Function (P200) Problems - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 25-32009.

B. Initial Evaluation

- NOTE: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position. This fault un-latches automatically when ELMS detects that the relay operates correctly.
- NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).
- (1) Set the emergency power switch on the galley electrical control panel to the OFF position.
 - NOTE: This causes ELMS to command the relay to the open position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or OFF position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

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C. Fault Isolation Procedure

- (1) Do these steps to replace the power panel controller, M24501, at the right power panel, P200:
 - (a) Do this task: Power Panel Controller Removal, AMM TASK 24-09-00-000-816-002.
 - (b) Do this task: Power Panel Controller Installation, AMM TASK 24-09-00-400-812-002.
 - (c) Do the repair confirmation procedure at the end of this task.
- (2) Do these steps to replace the contactor, M25235, for the galley power in the right power panel, P200:
 - (a) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (b) Do this task: ELCU Removal, AMM TASK 24-51-05-000-801.
 - (c) Do this task: ELCU Installation, AMM TASK 24-51-05-400-801.
 - (d) Do the repair confirmation procedure at the end of this task.
- (3) Do these steps to check the wiring for the power panel controller, M24501, in the right power panel, P200:
 - (a) Disconnect these electrical connectors:
 - 1) Disconnect the electrical connector, DM25235, from the contactor, M25235, in the right power panel, P200.
 - 2) Disconnect the electrical connector, DM24501, from the contactor, M24501, in the right power panel, P200.
 - 3) Disconnect the electrical connectors, D565J and D566J, from the disconnect station, AP2101, that is near the aft galley complex.
 - 4) Disconnect the electrical connector, D21007, from the right power management panel, P210.
 - 5) Disconnect the electrical connector, DK25008, from the galley DC power relay, K25008, in the right power management panel, P210.
 - (b) Do a check of the wiring between the electrical connectors DM25235 and DM24501:

DM25235	DM24501
pin 1	 pin A38
pin 5	 pin A52
pin 6	 pin A39
pin 7	 pin A25
pin 8	 pin A12
pin 9	 pin A11
pin 10	 pin A10
pin 2	 pin A23
pin 13	 pin A37
pin 14	 pin A64
pin 17	 pin A90

(c) Do a check of the wiring between the electrical connectors DM24501 and DK25008:

DM24501	DK25008
pin A38	pin A1

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(d) Do a check of the wiring between the galley DC power contactor, M25235, and the electrical connector, D565J:

M25235	D565J
term A2	 pin A
term B2	 pin B
term C2	 pin C
GND	 pin D

(e) Do a check of the wiring between the electrical connectors DM24501 and DM566J:

DM24501	D566J
pin A65	pin 4
pin A78	pin 5
pin A91	pin 6
pin A51	pin 7

- (f) If the wiring is bad, then do these steps:
 - Repair the wiring.
 - 2) Connect the electrical connector, DM25235, to the contactor, M25235, in the right power panel, P200.
 - 3) Connect the electrical connector, DM24501, to the contactor, M24501, in the right power panel, P200.
 - 4) Connect the electrical connectors, D565J and D566J, to the disconnect station, AP2101, that is near the aft galley complex.
 - 5) Connect the electrical connector, D21007, to the right power management panel, P210
 - 6) Connect the electrical connector, DK25008, to the door 2 galley DC power relay, K25008, in the right power management panel, P210.
 - 7) Do the repair confirmation procedure at the end of this task.

D. Repair Confirmation

- (1) Set the emergency power switch on the galley electrical control panel to the OFF position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then you corrected the fault.

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828. Door 1 Galley Power Function Problems - Fault Isolation

A. Maintenance Messages

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(1) This task is for maintenance messages: 25-31010, 25-32010.

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B. Initial Evaluation

NOTE: The electric load management system (ELMS) commands the relay to the open or closed position and monitors the output of the relay to make sure it is in the correct position. This fault un-latches automatically when ELMS detects that the relay operates correctly.

NOTE: The galleys are one of the first loads shed if there is not sufficient electrical power available to the airplane. Load shedding (automatic removal of electrical power) of the galley by ELMS will not cause this fault, but you cannot do this fault isolation procedure if the galley does not have power. If the galley does not have electrical power, then supply additional sources of electrical power to the airplane (AMM TASK 24-22-00-860-805).

(1) Set the emergency power switch on the galley electrical control panel to the OFF position.

NOTE: This causes ELMS to command the relay to the open position.

- (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Do these steps to replace the power panel controller, M24501, at the right power panel, P200:
 - (a) Do this task: Power Panel Controller Removal, AMM TASK 24-09-00-000-816-002.
 - (b) Do this task: Power Panel Controller Installation, AMM TASK 24-09-00-400-812-002.
 - (c) Do the repair confirmation procedure at the end of this task.
- (2) Do these steps to replace the contactor, M25043, for the galley power in the right power panel, P200:
 - (a) Set the emergency power switch, on the galley electrical control panel, to the OFF position.
 - (b) Do this task: ELCU Removal. AMM TASK 24-51-05-000-801.
 - (c) Do this task: ELCU Installation, AMM TASK 24-51-05-400-801.
 - (d) Do the repair confirmation procedure at the end of this task.
- (3) Do these steps to check the wiring for the power panel controller, M24501, in the right power panel, P200:
 - (a) Disconnect these electrical connectors:
 - 1) Disconnect the electrical connector, DM25043, from the contactor, M25043, in the right power panel, P200.
 - 2) Disconnect the electrical connector, DM24501, from the contactor, M24501, in the right power panel, P200.
 - 3) Disconnect the electrical connectors, D500J and D501J, from the disconnect station, AP0271, that is near the aft galley complex.
 - 4) Disconnect the electrical connector, D21007, from the right power management panel, P210.
 - 5) Disconnect the electrical connector, DK25003, from the galley DC power relay, K25003, in the right power management panel, P210.

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(b) Do a check of the wiring between the electrical connectors DM25043 and DM24501:

DM250)43	DM24501
pin 1		pin B84
pin 5		pin A103
pin 6		pin A104
pin 7		pin A105
pin 8		pin A106
pin 9		pin A93
pin 10		pin A79
pin 2		pin B86
pin 13		pin A57
pin 14		pin A73
pin 17		pin B72

(c) Do a check of the wiring between the electrical connectors DM24501 and DK25003:

DM24501	DK25003	
pin B84		pin A1

(d) Do a check of the wiring between the galley power contactor M25043 and the electrical connector D500J:

M25235	D500J
term A2	 pin A
term B2	 pin B
term C2	 pin C
GND	 pin D

(e) Do a check of the wiring between the electrical connectors DM24501 and DM501J:

DM24501	D501J
pin A58	pin 4
pin A72	pin 5
pin A86	pin 6
pin A56	pin 7

- (f) If the wiring is bad, then do these steps:
 - 1) Repair the wiring.
 - 2) Connect the electrical connector, DM25043, to the contactor, M25043, in the right power panel, P200.
 - 3) Connect the electrical connector, DM24501, to the contactor, M24501, in the right power panel, P200.
 - 4) Connect the electrical connectors, D500J and D501J, to the disconnect station, AP0271, that is near the door 1 galley complex.
 - 5) Connect the electrical connector, D21007, to the right power management panel, P210.
 - 6) Connect the electrical connector, DK25003, to the door 1 galley DC power relay, K25003, in the right power management panel, P210.

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7) Do the repair confirmation procedure at the end of this task.

D. Repair Confirmation

- (1) Set the emergency power switch on the galley electrical control panel to the OFF position.
 - (a) Wait for 25 seconds.
- (2) Set the emergency power switch to the NORM or ON position.
 - (a) Wait for 2 minutes.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then you corrected the fault.

	END	OF	TASK	
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829. No Aft Galley Power - Fault Isolation

A. Description

- (1) No Aft Galley Power during taxi or flight.
 - (a) This can occur by a Smoke Detection Signal from one of the Crew/Attendant Rests.

B. Possible Causes

- (1) Open Circuit Breaker(s)
- (2) AIRFLOW/SMOKE RESET Switch on the Attendant Switch Panel 1
- (3) No power from the P210 Primary Bus

C. Related Data

- (1) WDM 25-31-16
- (2) WDM 25-31-17

D. Initial Evaluation

(1) Make sure that these circuit breakers are closed:

Left Power Management Panel, P110

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
J	20	C25607	DR 4L GLY

Right Power Management Panel, P210

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	15	C25640	R AFT GALLEY POWER

E. Fault Isolation Procedure

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(1) Push the AIRFLOW/SMOKE RESET Switch on the Attendant Switch Panel 1 (located in the Crew and Flight Attendant Rest Areas).

NOTE: There can be more than one Flight Attendant Rest Areas.

- (a) Make sure that the Aft Galley Power is ON.
- (2) If the problem continues, do this task: ELMS Power Management Panel System Test, AMM TASK 24-09-00-730-801.
 - (a) This will reset the P210 Primary Bus.
 - (b) Make sure that the Aft Galley Power is ON.
- (3) If the problem continues, do these steps:
 - (a) Remove Electrical Power, AMM TASK 24-22-00-860-806.

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- (b) Supply Electrical Power, AMM TASK 24-22-00-860-805.
- (c) Make sure that the Aft Galley Power is ON.

 END	OF	TASK	

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002.	Cof	fee Maker - Fault Isolation
	A.	Initial Evaluation
		$\underline{NOTE} :$ Use the standard method of your airline to correct this fault.
		——— END OF TASK ———
803.	Ove	en - Fault Isolation
	A.	Initial Evaluation
		$\underline{NOTE} :$ Use the standard method of your airline to correct this fault.
		——— END OF TASK ———
804.	Ove	en Control Module - Fault Isolation
	Α.	Initial Evaluation
		Initial Evaluation
805.	Α.	Initial Evaluation NOTE: Use the standard method of your airline to correct this fault.
805.	Α.	Initial Evaluation NOTE: Use the standard method of your airline to correct this fault. ———————————————————————————————————
805.	A.	Initial Evaluation NOTE: Use the standard method of your airline to correct this fault. ———————————————————————————————————

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801. Galley Chiller Problems - Fault Isolation

A. Initial Evaluation

- (1) Do this task: Galley Air Chiller Operational Test, AMM TASK 25-33-97-700-801.
 - (a) If the chiller does not operate correctly, then do the Fault Isolation Procedure below.
 - (b) If the chiller operates correctly, then there was an intermittent fault.

B. Procedure

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- (1) Do this check of the air filter:
 - (a) Make sure the air filter is clean.
 - (b) If it is necessary, do this task: Chiller Air Filter Cleaning, AMM TASK 25-33-09-100-801
 - (c) Do this task: Galley Air Chiller Operational Test, AMM TASK 25-33-97-700-801.
 - (d) If the chiller operates correctly, you corrected the fault.
 - (e) If the chiller does not operate correctly, then continue.
- (2) Do this check of the condition of the chiller:
 - (a) Make sure the connector for the chiller is connected to the power receptacle.
 - (b) Make sure the exhaust port is free of all unwanted material.
- (3) Do a check for electrical power at the applicable chiller.
 - (a) If there is not electrical power at the chiller, do these steps:
 - 1) Repair the power wiring for the chiller.
 - 2) Do this task: Galley Air Chiller Operational Test, AMM TASK 25-33-97-700-801.
 - 3) If the chiller operates correctly, you corrected the fault.
 - (b) If there is electrical power at the chiller, then continue.
- (4) For the applicable chiller, do these steps:
 - (a) Replace the Lower Lobe (Aft Galley) Air Chiller.

These are the tasks:

Lower Lobe Air Chiller Removal, AMM TASK 25-33-03-000-801,

Lower Lobe Air Chiller Installation, AMM TASK 25-33-03-400-801.

(b) Replace the Overhead Galley Air Chiller.

These are the tasks:

Overhead Galley Air Chiller Removal, AMM TASK 25-33-01-000-801,

Overhead Galley Air Chiller Installation, AMM TASK 25-33-01-400-801.

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EFFECTIVITY 25-33 TASK 801



801. Forward Cargo Compartment Lateral Guides Inoperative - Fault Isolation

A. Initial Evaluation

- (1) Do this check to find which lateral guides do not operate:
 - (a) Do these steps at the cargo handling switch panel:
 - 1) Set the PDU FWD/AFT switch to FWD.
 - 2) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - 3) Set the SYSTEM POWER switch to ON.
 - a) Make sure the SYSTEM POWER light comes on.
 - (b) Wait until the sill restraint and stop/locks come to a stop.
 - (c) Hold the joy-stick to FWD until the powered drive units (PDUs) start to move, then release it.
- (2) If one of the forward lateral guides stays up and the remaining forward lateral guides move down, then, do this task: Forward and Aft Cargo Compartment Lateral Guide Problems Fault Isolation, 25-53 TASK 820.
- (3) If all of the forward lateral guides stay up, do these steps:
 - (a) Set the PDU FWD/AFT switch to AFT.
 - (b) Hold the joy-stick to AFT for 5 seconds, and then release it.
 - (c) If all of the aft lateral guides stayed up (while you held the joy-stick), then do this task: Forward and Aft Cargo Compartment Lateral Guide Problems Fault Isolation, 25-53 TASK 820.
 - (d) If all of the aft lateral guide moved down (while you held the joy-stick), then do this task: Forward and Aft Cargo Compartment Lateral Guide Problems Fault Isolation, 25-53 TASK 820.
- (4) If all of the forward lateral guides move down, then do these steps:
 - (a) Set the PDU FWD/AFT switch to AFT.
 - (b) Hold the joy-stick to AFT for 5 seconds, and then release it.
 - (c) If one of the aft lateral guides stayed up and the remaining aft lateral guides moved down (while you held the joy-stick), then do this task: Forward and Aft Cargo Compartment Lateral Guide Problems Fault Isolation, 25-53 TASK 820.
 - (d) If all of the aft lateral guides stayed up (while you held the joy-stick), then do this task: Forward and Aft Cargo Compartment Lateral Guide Problems Fault Isolation, 25-53 TASK 820.

END	OF TASK	
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802. Forward Cargo Compartment Stop/Locks Inoperative - Fault Isolation

A. Initial Evaluation

(1) This task gives instructions to make sure that the stop/locks are in the lock, load, or unload positions. Use this table to identify the positions for the stop/locks:

STOP/LOCK POSITIONS			
	LOCK	LOAD	UNLOAD
VERTICAL RESTRAINT	UP	DOWN	DOWN
LATERAL RESTRAINT	UP	UP	DOWN

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- (2) Manually put the stop/locks in the lock position.
- (3) Do this check to find which stop/locks do not operate:
 - (a) Do these steps at the cargo handling control panel:
 - 1) Set the PALLET/CONTAINER switch to CONTAINER.
 - 2) Set the PDU FWD/AFT switch to AFT.
 - 3) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - 4) Set the LOCK/LOAD/UNLOAD switch to UNLOAD.
 - 5) Set the SYSTEM POWER switch to ON.
 - a) Make sure the SYSTEM POWER light comes on.
 - (b) Wait until the sill restraint and stop/locks come to a complete stop.
 - (c) Set the STOP/LOCKS LOCK/UNLK switch to CTR and release.



803. Forward Cargo Compartment Sill Restraint Inoperative - Fault Isolation

A. Initial Evaluation

(1) This task gives instructions to make sure that the rollout stop/locks and retractable guide roller/lock are in the lock, load, or unload positions. Use these tables to identify the positions:

RETRACTABLE GUIDE ROLLER/LOCK POSITIONS			
LOCK LOAD UNLOAD			
VERTICAL RESTRAINT	UP	DOWN	DOWN
ROLLER	DOWN	UP	DOWN

ROLLOUT STOP/LOCK POSITIONS			
	LOCK	LOAD	UNLOAD
VERTICAL RESTRAINT	UP	DOWN	DOWN
LATERAL RESTRAINT	UP	UP	DOWN

- (2) Manually put the rollout stop/locks and retractable guide roller/lock in the lock position.
- (3) Do this check to find which sill restraint components do not operate:
 - (a) Do these steps at the cargo handling control panel:
 - 1) Set the PALLET/CONTAINER switch to CONTAINER.
 - 2) Set the PDU FWD/AFT switch to AFT.
 - 3) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - 4) Set the LOCK/LOAD/UNLOAD switch to LOCK.
 - 5) Set the SYSTEM POWER switch to ON.
 - a) Make sure the SYSTEM POWER light comes on.
 - (b) Wait until the sill restraint and stop/locks come to a complete stop.
 - (c) Set the LOCK/LOAD/UNLOAD switch to LOAD.

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804. Aft Cargo Compartment Lateral Guides Inoperative - Fault Isolation

A. Initial Evaluation

- (1) Do this check to find which lateral guides do not operate:
 - (a) Do these steps at the cargo handling switch panel:
 - 1) Set the PALLET/CONTAINER switch to CONTAINER.
 - 2) Set the PDU FWD/AFT switch to FWD.
 - 3) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - 4) Set the SYSTEM POWER switch to ON.
 - a) Make sure the SYSTEM POWER light comes on.
 - (b) Wait until the sill restraint and stop/locks come to a stop.
 - (c) Hold the joy-stick to FWD until the powered drive units (PDUs) start to move, then release.
- (2) If one of the forward lateral guides stays up and the remaining forward lateral guides move down, then do this task: Forward and Aft Cargo Compartment Lateral Guide Problems Fault Isolation, 25-53 TASK 820.
- (3) If all of the forward lateral guides stay up, do these steps:
 - (a) Set the PDU FWD/AFT switch to AFT.
 - (b) Hold the joy-stick to AFT for 5 seconds, and then release it.
 - (c) If all of the aft lateral guides stayed up (while you held the joy-stick), then do this task: Forward and Aft Cargo Compartment Lateral Guide Problems Fault Isolation, 25-53 TASK 820.
 - (d) If all of the aft lateral guide moved down (while you held the joy-stick), then do this task: Forward and Aft Cargo Compartment Lateral Guide Problems Fault Isolation, 25-53 TASK 820.
- (4) If all of the forward lateral guides move down, then do these steps:
 - (a) Set the PDU FWD/AFT switch to AFT.
 - (b) Hold the joy-stick to AFT for 5 seconds, and then release it.
 - (c) If one of the aft lateral guides stayed up and the remaining aft lateral guides moved down (while you held the joy-stick), then do this task: Forward and Aft Cargo Compartment Lateral Guide Problems Fault Isolation, 25-53 TASK 820.
 - (d) If all of the aft lateral guides stayed up (while you held the joy-stick), then do this task: Forward and Aft Cargo Compartment Lateral Guide Problems Fault Isolation, 25-53 TASK 820.

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805. Aft Cargo Compartment Stop/Locks Inoperative - Fault Isolation

A. Initial Evaluation

(1) This task gives instructions to make sure that the stop/locks are in the lock, load, or unload positions. Use this table to identify the positions for the stop/locks:

STOP/LOCK POSITIONS

LOCK LOAD UNLOAD
VERTICAL RESTRAINT UP DOWN DOWN

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(Continued)

LATERAL RESTRAINT UP UP DOWN

- (2) Manually put the stop/locks in the lock position.
- 3) Do this check to find which stop/locks do not operate:
 - (a) Do these steps at the cargo handling control panel:
 - 1) Set the PALLET/CONTAINER switch to CONTAINER.
 - 2) Set the PDU FWD/AFT switch to AFT.
 - 3) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - 4) Set the LOCK/LOAD/UNLOAD switch to UNLOAD.
 - 5) Set the SYSTEM POWER switch to ON.
 - a) Make sure the SYSTEM POWER light comes on.
 - (b) Wait until the sill restraint and stop/locks come to a complete stop.
 - (c) Set the STOP/LOCKS LOCK/UNLK switch to CTR and release.



806. Aft Cargo Compartment Sill Restraint Inoperative - Fault Isolation

A. Initial Evaluation

(1) This task gives instructions to make sure that the rollout stop/locks are in the lock, load, or unload positions. Use these tables to identify the positions:

Table 201/25-53-00-993-803

ROLLOUT STOP/LOCK POSITIONS			
	LOCK	LOAD	UNLOAD
VERTICAL RESTRAINT	UP	DOWN	DOWN
LATERAL RESTRAINT	UP	UP	DOWN

- (2) Manually put the rollout stop/locks in the lock position.
 - 3) Do this check to find which rollout stop/lock does not operate:
 - (a) Do these steps at the cargo handling control panel:
 - 1) Set the PDU FWD/AFT switch to AFT.
 - 2) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - 3) Set the LOCK/LOAD/UNLOAD switch to LOCK.
 - 4) Set the SYSTEM POWER switch to ON.
 - a) Make sure the SYSTEM POWER light comes on.
 - (b) Wait until the rollout stop/locks come to a complete stop.
 - (c) Set the LOCK/LOAD/UNLOAD switch to LOAD.
- (4) If one of the rollout stop/locks does not move to the load position, then, do this task: Aft Cargo Compartment, Rollout Stop/Lock Problems Fault Isolation, 25-53 TASK 840.

	END	OF	TASK	
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807. Lateral Guide Jam

A. Fault Isolation Procedure - Lateral guide jam

(1) If you hold the joy-stick to FWD or AFT while the PALLET/CONTAINER switch is in the CONTAINER position and a lateral guide does not retract automatically, do these steps:

NOTE: The PALLET/CONTAINER switch is only on the cargo handling control panel for cargo compartments with the large cargo door.

- (a) Release the joy-stick to extend the lateral guide.
- (b) After the lateral guide extends, hold the joy-stick to FWD or aft again.
- (c) If the lateral guide retracts, you corrected the fault.
- (d) If the lateral guide does not retract, continue to move the joy-stick several times.
- (e) If the lateral guide retracts, you corrected the fault.
- (f) If the lateral guide does not retract, replace the lateral guide. These are the tasks:
 - 1) Lateral Guide Removal, AMM TASK 25-53-23-000-801
 - 2) Lateral Guide Installation, AMM TASK 25-53-23-400-801



808. Forward Cargo Compartment Power Drive Unit Inoperative - Fault Isolation

A. Initial Evaluation

- (1) Do this check to find which powered drive units (PDUs) do not operate:
 - (a) Do these steps at the cargo handling switch panel:
 - 1) Set the PALLET/CONTAINER switch to CONTAINER.
 - 2) Set the PDU FWD/AFT switch to FWD.
 - 3) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - 4) Set the SYSTEM POWER switch to OFF and then back to ON.
 - a) Make sure the SYSTEM POWER light comes on.
 - 5) Wait until the sill restraint and stop/locks come to a stop.
 - 6) Hold the joy-stick to FWD until the PDUs start to move, then release it.
- (2) If one of the PDUs does not move, then, do this task: Forward Cargo Compartment, Power Drive Unit Problems Fault Isolation. 25-53 TASK 810.
- (3) If several but not all of the PDUs do not move, then, do this task: Forward Cargo Compartment, Multiple Power Drive Unit Control Problems Fault Isolation, 25-53 TASK 812.
- (4) If none of the forward PDUs moved, do these steps:
 - (a) Set the PDU FWD/AFT switch to AFT.
 - (b) Hold the joy-stick to FWD for 5 seconds, and then release it.
 - (c) If all of the aft PDUs did not move (while you held the joy-stick), then, do this task: Forward Cargo Compartment, Forward and Aft Power Drive Unit Problems - Fault Isolation, 25-53 TASK 813.
 - (d) If all of the aft PDUs did move (while you held the joy-stick), then, do this task: Forward Cargo Compartment, Forward Power Drive Unit Control Problems - Fault Isolation, 25-53 TASK 811.
- (5) If all of the forward PDUs move, then do these steps:

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- (a) Set the PDU FWD/AFT switch to AFT.
 - Make sure all the bay on lights (these are the lights above the BAY OFF SWITCHES) are on.
 - a) If the bay on lights are not on, then, do this task: Forward Cargo Compartment, Control Panel Light Problems - Fault Isolation, 25-53 TASK 843.
- (b) Hold the joy-stick to FWD for 5 seconds, and then release it.
- (c) If one of the aft PDUs does not move and the remaining aft powered drive units move, then, do this task: Forward Cargo Compartment, Power Drive Unit Problems Fault Isolation, 25-53 TASK 810.
- (d) If none of the aft PDUs moved (while you held the joy-stick), then, do this task: Forward Cargo Compartment, Aft Power Drive Unit Control Problems Fault Isolation, 25-53 TASK 814.
- (e) If several but not all of the PDUs did not move (while you held the joy-stick), then, do this task: Forward Cargo Compartment, Multiple Power Drive Unit Control Problems Fault Isolation, 25-53 TASK 812.
- (6) If all of the aft and forward PDUs move, then there was an intermittent fault.



809. Aft Cargo Compartment Power Drive Unit Inoperative - Fault Isolation

A. Initial Evaluation

- (1) Do this check to find which powered drive units (PDUs) do not operate:
 - (a) Do these steps at the cargo handling switch panel:
 - 1) Set the PALLET/CONTAINER switch to CONTAINER.
 - 2) Set the PDU FWD/AFT switch to FWD.
 - 3) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - 4) Set the SYSTEM POWER switch to OFF and then back to ON.
 - a) Make sure the SYSTEM POWER light comes on.
 - Wait until the sill restraint and stop/locks come to a stop.
 - 6) Make sure the A, B, and C bay on lights (these are the lights above the BAY OFF SWITCHES) are on.
 - a) If the bay on lights are not on, then, do this task: Aft Cargo Compartment, Control Panel Light Problems (Forward Bay) Fault Isolation, 25-53 TASK 844.
 - 7) Hold the joy-stick to FWD until the PDUs start to move, then release.
- (2) If one of the PDUs does not move, then, do this task: Aft Cargo Compartment, Power Drive Unit Problems Fault Isolation, 25-53 TASK 815.
- (3) If several but not all of the PDUs do not move, then, do this task: Aft Cargo Compartment, Multiple Power Drive Unit Control Problems Fault Isolation, 25-53 TASK 817.
- (4) If none of the forward PDUs moved, do these steps:
 - (a) Set the PDU FWD/AFT switch to AFT.
 - (b) Hold the joy-stick to FWD for 5 seconds, and then release it.

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- (c) If all of the aft PDUs did not move (while you held the joy-stick), then, do this task: Aft Cargo Compartment, Forward and Aft Power Drive Unit Problems Fault Isolation, 25-53 TASK 818.
- (d) If all of the aft PDUs did move (while you held the joy-stick), then, do this task: Aft Cargo Compartment, Forward Power Drive Unit Control Problems Fault Isolation, 25-53 TASK 816.
- (5) If all of the forward PDUs move, do these steps:
 - (a) Set the PDU FWD/AFT switch to AFT.
 - 1) Make sure the G bay on light (this is the light above the BAY OFF SWITCH) is on.
 - a) If the bay on light is not on, then, do this task: Aft Cargo Compartment, Control Panel Light Problems (Aft Bays) Fault Isolation, 25-53 TASK 845.
 - (b) Hold the joy-stick to FWD for 5 seconds, and then release it.
 - (c) If one of the aft PDUs did not move and the remaining aft powered drive units did move (while you held the joy-stick), then, do this task: Aft Cargo Compartment, Power Drive Unit Problems - Fault Isolation, 25-53 TASK 815.
 - (d) If none of the aft PDUs moved (while you held the joy-stick), then, do this task: Aft Cargo Compartment, Aft Power Drive Unit Control Problems Fault Isolation, 25-53 TASK 819.
 - (e) If several but not all of the PDUs do not move, then, do this task: Aft Cargo Compartment, Multiple Power Drive Unit Control Problems Fault Isolation, 25-53 TASK 817.
- (6) If all of the aft and forward PDUs move, then there was an intermittent fault.



810. Forward Cargo Compartment, Power Drive Unit Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 808). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Set the SYSTEM POWER switch to OFF.
- (2) If there is unwanted material that can prevent the movement of the PDU, then do these steps:
 - (a) Remove unwanted material.
 - (b) Make sure the connector for the PDU is fully attached to the PDU.
 - (c) Set the SYSTEM POWER switch to ON.
 - (d) If the PDU is in the aft bay area, set the PDU FWD/AFT switch to AFT.
 - (e) If the PDU is in the forward bay area, set the PDU FWD/AFT switch to FWD.
 - (f) Hold the joy-stick to FWD.
 - (g) If all of the PDUs move, you corrected the fault.
 - (h) If the same PDU does not move, then continue.
 - (i) Release the joy-stick.
- (3) Disconnect the connector from the PDU.
- (4) Put a new PDU on the floor near the old one but do not install it yet.
- (5) Connect the connector to the new PDU.

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- (6) Set the SYSTEM POWER switch to ON.
- (7) Hold the joy-stick to FWD.
- (8) If the new PDU moves, then do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Replace the PDU that does not move with the new PDU

These are the tasks:

Powered Drive Unit - Removal, AMM TASK 25-53-01-000-801,

Powered Drive Unit - Installation, AMM TASK 25-53-01-400-801.

- (c) Set the SYSTEM POWER switch to ON.
- (d) Hold the joy-stick to FWD.
- (e) If all of the forward PDUs move, you corrected the fault.
- (f) Release the joy-stick.
- (9) If the new PDU does not move, then continue.
- (10) Re-connect the connector to the PDU that is installed.
- (11) Do this check of the wiring:
 - (a) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (b) Do a wiring check between the pins of connector DM25001AE at the forward cargo system control shelf, E16-2 and pins 1 and 2 of the connector from the PDU.
 - 1) (WDM 25-53-16)
 - 2) (WDM 25-53-17)
 - 3) (WDM 25-53-18)
 - 4) (WDM 25-53-19)
 - (c) If you find a problem with the wiring, then do these steps:
 - Repair the wiring.
 - 2) Re-connect the connector for the PDU.
 - Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Set the SYSTEM POWER switch to ON.
 - 5) Hold the joy-stick to FWD.
 - 6) If all of the PDUs move, you corrected the fault.

----- END OF TASK -----

811. Forward Cargo Compartment, Forward Power Drive Unit Control Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 808). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Set the PDU FWD/AFT switch to FWD.
- (2) Hold the joy-stick to FWD for 5 seconds, and then release it.

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- (3) If the AFT PDUs DO NOT move, then do these steps:
 - NOTE: At this point: 1. The forward PDUs did NOT move when the FWD/AFT switch was set to FWD, 2. The aft PDUs DID move with the switch set to AFT, and 3. The aft PDUs did NOT move with the switch set to FWD. Thus, we know the forward/aft signal and the joy stick signal are getting to the cargo system controller, so the problem is in the controller.
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Replace the CSC, M25001,

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003,

Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- (c) Set the SYSTEM POWER switch to ON.
- (d) Hold the joy-stick to FWD for 5 seconds, and then release it.
- (e) If the forward PDUs move, you corrected the fault.
- (4) If the AFT PDUs move, then do these steps:

NOTE: If the aft PDUs move when the FWD/AFT switch is in the FWD position, then it is likely the FWD/AFT switch is not closed.

- (a) Replace the PDU FWD/AFT switch, S25005 (WDM 25-53-12).
- (b) Set the PDU FWD/AFT switch to FWD.
- (c) Hold the joy-stick to FWD for 5 seconds, and then release it.
- (d) If the forward PDUs move, you corrected the fault.
- (e) If the forward PDUs do not move, then do this check of the wiring:
 - 1) Set the SYSTEM POWER switch to OFF.
 - Remove the cargo system controller (CSC), M25001 from the E16-2 shelf. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - 3) Do a wiring check between these pins of connector DM25001AD at the E16-2 shelf and the PDU FWD/AFT switch, S25005, (WDM 25-53-12).

DM2500	01AD	S25105
pin A11		term 3

- 4) Do a wiring check between terminal 2 of the PDU FWD/AFT switch, S25005, and structure ground (WDM 25-53-12).
- 5) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
 - b) Re-connect the PDU FWD/AFT switch, S25005.
 - c) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Set the SYSTEM POWER switch to ON.
 - e) Hold the joy-stick to FWD for 5 seconds, and then release it.
 - f) If the forward PDUs move, you corrected the fault.
- 6) If you do not find a problem with the wiring, then do these steps:

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- a) Install a new CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- b) Set the SYSTEM POWER switch to ON.
- c) Hold the joy-stick to FWD for 5 seconds, and then release it.
- d) If the forward PDUs move, you corrected the fault.

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812. Forward Cargo Compartment, Multiple Power Drive Unit Control Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 808). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Set the PDU LEFT/BOTH/RIGHT switch to LEFT.
- (2) Hold the joy-stick to FWD.
- (3) If the left PDUs do not move, then do these steps:
 - (a) Set the PDU LEFT/BOTH/RIGHT switch to RIGHT.
 - (b) Hold the joy-stick to FWD.
 - (c) If the right PDUs do not move, do these steps.
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Replace the PDU LEFT/BOTH/RIGHT switch, S25004 (WDM 25-53-12).
 - 3) Set the SYSTEM POWER switch to ON.
 - 4) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - 5) Hold the joy-stick to FWD.
 - 6) If the PDUs move, you corrected the fault.
 - (d) If the right PDUs move, then continue.
- (4) Replace the left system power switch relay, K25001 (WDM 25-53-11).
 - (a) Set the SYSTEM POWER switch to ON.
 - (b) Hold the joy-stick to FWD.
 - (c) If the left PDUs move, you corrected the fault.
 - (d) If the left PDUs do not move, then continue.
 - (e) Release the joy-stick.
 - (f) Set the SYSTEM POWER switch to OFF.
 - (g) Do a check for this wiring.
 - 1) Remove the cargo SYSTEM controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - Disconnect left system power relay, K25001.
 - Do a wiring check between these pins of connector DM25001AE at the forward cargo system control shelf E16-2 and the left system power relay, K25001 in the cargo handling accessory panel - FWD, P35 (WDM 25-53-11):

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DM25001AE	K25001
pin D12	pin 5
pin F14	pin 4

- 4) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
 - b) Re-connect left system power relay, K25001.
 - c) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Set the SYSTEM POWER switch to ON.
 - e) Hold the joy-stick to FWD.
 - f) If the left PDUs move, you corrected the fault.
 - g) If the left PDUs do not move, then continue.
 - h) Release the joy-stick.
 - i) Set the SYSTEM POWER switch to OFF.
- 5) If you do not find a problem with the wiring, then continue.
- (5) Do a check of this wiring.
 - (a) Disconnect left system power replay, K25001.
 - (b) Do a wiring check between these pins at the connector D30001 power panel auxiliary, P300 and at the left system power relay in the cargo handling accessory panel FWD, P35 (WDM 25-53-11):

D3000	1	K25001
pin A		pin A1
pin B		pin B1
pin C		pin C1

- (c) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect left system power relay, K25001.
 - 3) Set the SYSTEM POWER switch to ON.
 - 4) Hold the joy-stick to FWD.
 - 5) If the left PDUs move, you corrected the fault.
 - Release the joy-stick to FWD.
 - 7) Set the SYSTEM POWER switch to OFF.
- (6) Do a check on this wiring.
 - (a) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (b) Disconnect connector DS25004.
 - (c) Do a wiring check between these pins of connector DM25001AD at the forward cargo system control shelf E16-2 and connector DS25004 at the PDU LEFT/BOTH/RIGHT switch, S25004 (WDM 25-53-12):

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DM2500	1AD	DS25004
pin H11		pin 1
pin F14		pin 4

- (d) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Reconnect connector DS25004.
 - 3) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Set the SYSTEM POWER switch to ON.
 - 5) Hold the joy-stick to FWD.
 - 6) If the left PDUs move, you corrected the fault.
 - 7) If the left PDUs do not move, then continue.
 - 8) Release the joy-stick.
 - 9) If you do not find a problem with the wiring, then continue.
- (7) If the right and center PDUs do not move, do these steps:
 - (a) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - (b) Hold the joy-stick to FWD.
 - (c) If the left, center and right PDUs move, then continue.
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Replace the PDU LEFT/BOTH/RIGHT switch, S25004.
 - 3) Set the SYSTEM POWER switch to ON.
 - 4) Set the PDU LEFT/BOTH/RIGHT switch to RIGHT.
 - 5) If the right PDUs move, you have corrected the fault.
 - 6) If the right PDUs do not move, then continue.
 - 7) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - 8) Hold the joy-stick to FWD.
 - 9) If the right and center PDUs move, you corrected the fault.
 - (d) If the right and center PDUs do not move and the left PDUs move, then continue.
 - (e) Set the SYSTEM POWER switch to OFF.
- (8) Do a check of this wiring.
 - (a) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (b) Disconnect PDU LEFT/BOTH/RIGHT switch, S25004.
 - (c) Do a wiring check between these pins of connector DM25001AD at the forward cargo system control shelf E16-2 and S25004 the PDU left/both/right switch (WDM 25-53-12):

DM25001AD	S25004
pin K11	pin 6

- 1) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.

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- b) Re-connect PDU LEFT/BOTH/RIGHT switch, S25004.
- c) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- d) Hold the joy-stick to FWD.
- e) If the right PDUs move, you corrected the fault.
- f) Release the joy-stick.
- g) Set the SYSTEM POWER switch to OFF.
- 2) If the right PDUs do not move, then continue.
- (9) If the right and center PDUs do not move, do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Replace right system power relay, K25002 (WDM 25-53-11).
 - (c) Set the SYSTEM POWER switch to ON.
 - (d) Hold the joy-stick to FWD.
 - (e) If the right PDUs move, you corrected the fault.
 - (f) If the right PDUs do not move, then continue.
 - (g) Release the joy-stick.
 - (h) Set the SYSTEM POWER switch to OFF.
- (10) Do a check of this wiring.
 - (a) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (b) Disconnect the right system power relay, K25002.
 - (c) Do a wiring check between these pins of connector DM25001AE at the forward cargo system control shelf E16-2 and the right system power relay, K25002 in the cargo handling accessory panel - fwd, P35 (WDM 25-53-11):

DM2500	1AE	K25002
pin E12		pin X1

- (d) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the right system power relay, K25002.
 - Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) If the right and center PDUs move, you corrected the fault.
 - 5) Release the joy-stick.
 - 6) Set the SYSTEM POWER switch to OFF.
 - 7) If the right and center PDUs do not move, then continue.
- (e) If you do not find a problems with the wiring, then continue.
- (11) Do a check of this wiring.
 - (a) Disconnect connector D7711P.

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(b) Do a wiring check between these pins at the connector D30001 powered panel - auxiliary, P300 and pins for connector D7711P for the right system power relay panel in the cargo handling accessory panel - fwd, P35 (WDM 25-53-12):

D30001	D7711P
pin F	pin F
pin E	pin E
pin D	pin D

- 1) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector D7711P.
 - c) If the right PDUs move, you corrected the fault.
 - d) Release the joy-stick.
- 2) If you do not find a problems with the wiring, then continue.
- 3) Set the SYSTEM POWER switch to OFF.
- (12) Do a check of the applicable circuit breakers:
 - (a) Set the SYSTEM POWER switch to OFF.
 - 1) Replace the applicable circuit breaker of the PDUs that do not move.
 - a) (WDM 25-53-16)
 - b) (WDM 25-53-17)
 - c) (WDM 25-53-18)
 - d) (WDM 25-53-19)
- (13) Set the SYSTEM POWER switch to ON.
- (14) If the removed circuit breaker is for the right or center PDUs, do these steps:
 - (a) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - (b) Hold the joy-stick to FWD.
 - (c) If the right or center PDUs move, you corrected the fault.
- (15) If the removed circuit breaker is for the left or center PDUs, do these steps:
 - (a) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - (b) Hold the joy-stick to FWD.
 - (c) If the left or center PDUs move, you corrected the fault.
 - (d) Release the joy-stick.
 - (e) Set the SYSTEM POWER switch to OFF.
- (16) If the PDUs in BAY I do not move, do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Replace BAY I OFF switch, S25007 (WDM 25-53-12).
 - (c) Set the SYSTEM POWER switch to ON.
 - (d) Set the BAY I switch to ON.
 - (e) If the SYSTEM POWER light for BAY I is not ON, do this step.
 - 1) Replace the BAY I LED, L25003 (WDM 25-53-12).

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- (f) Hold the joy-stick to FWD.
- (g) If the PDUs in BAY I move, you have corrected the fault.
- (h) Release the joy-stick.
- (i) Set the SYSTEM POWER switch to OFF.
- (j) If the PDUs in BAY I do not move, then continue.
- (17) Do a check of this wiring.
 - (a) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (b) Disconnect BAY I switch, S25007.
 - (c) Do a wiring check between these pins of connector DM25001AD at the forward cargo system control shelf E16-2 and BAY I switch S25007 at the forward cargo handling switch panel, P24 (WDM 25-53-12):

DM250	01AD	S25007
pin A6		pin 2
pin B6		pin 3

- (d) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect BAY I switch, S25007.
 - Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Set the BAY I switch to ON.
 - 5) Hold the joy-stick to FWD.
 - If all the BAY I PDUs move, you corrected the fault.
 - 7) Release the joy-stick.
 - 8) Set the SYSTEM POWER switch to OFF.
- (e) If you do not find a problem with the wiring, then continue.
- (18) If the PDUs in BAYS H-I do not move, do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Set the BAYS H-I switch to OFF.
 - (c) Replace BAYS H-I OFF switch, S25008 (WDM 25-53-12).
 - (d) Set the SYSTEM POWER switch to ON.
 - (e) Set the BAYS H-I switch to ON.
 - (f) If the BAY H LED is not ON, do this step:
 - 1) Replace the BAY H LED, L25005 (WDM 25-53-12).
 - (g) Hold the joy-stick to FWD.
 - (h) If the PDUs in BAYS H-I move, you have corrected the fault.
 - (i) Set the SYSTEM POWER switch to OFF.
 - (j) If the PDUs in bays H-I do not move, then continue.
- (19) Do a check of this wiring.
 - (a) Disconnect BAYS H-I OFF switch S25008.

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- (b) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- (c) Do a wiring check between these pins of connector DM25001AD at the forward cargo system control shelf E16-2 and the BAYS H-I OFF switch S25008 at the forward cargo handling switch panel, P24 (WDM 25-53-12):

DM25001AD	S25008
pin A5	pin 2
pin B5	pin 3

- 1) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
- 2) Re-connect BAYS H-I OFF switch, S25008.
- Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- 4) Set the BAYS H-I OFF switch to ON.
- 5) Hold the joy-stick to FWD.
- 6) If all the PDUs in bays H-I move, you corrected the fault.
- (d) Release the joy-stick.
- (e) Set the SYSTEM POWER switch to OFF.
- (f) If the PDUs in bays H-I do not move, then continue.
- (20) If the PDUs in bays G-I do not move, do these steps:
 - (a) Hold the joy-stick to FWD.
 - (b) If the PDUs in BAYs G-I do not move, do these steps:
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Set the BAYS G-I OFF switch to OFF.
 - 3) Replace the BAYS G-I OFF switch, S25009 (WDM 25-53-12).
 - 4) Set the SYSTEM POWER switch to ON.
 - 5) Set the BAYS G-I OFF switch to ON.
 - 6) If the BAYS G LED is not ON, do this step:
 - a) Replace the BAY G LED, L25005 (WDM 25-53-12).
 - 7) Release the joy-stick.
 - 8) If the PDUs in bay G-I move, you have corrected the fault.
 - 9) Hold the joy-stick to FWD.
 - 10) Set the SYSTEM POWER switch to OFF.
 - 11) If the PDUs in bay G-I do not move, then continue.
- (21) Do a check of this wiring.

EFFECTIVITY

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- (a) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- (b) Disconnect the BAYS G-I OFF switch, S25009.



(c) Do a wiring check between these pins of connector DM25001AD at the forward cargo system control shelf E16-2 and the BAYS G-I OFF switch S25009 at the forward cargo handling switch panel, P24 (WDM 25-53-12):

DM250	01AD	S25009
pin A4		pin 2
pin B4		pin 3

- 1) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
 - b) Re-connect BAYS G-I OFF switch S25009.
 - c) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Set the SYSTEM POWER switch to ON.
 - e) Set the BAYS G-I OFF switch to ON.
 - f) Hold the joy-stick to FWD.
 - g) If the PDUs in bay G-I move, you corrected the fault.
- 2) Release the joy-stick.
- 3) Set the SYSTEM POWER switch to OFF.
- (22) If the aft PDUs in BAY F-I do not move, do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - 1) Set the BAYS F-I switch to OFF.
 - 2) Replace BAYS F-I OFF switch, S25012 (WDM 25-53-11).
 - 3) Set the SYSTEM POWER switch to ON.
 - Set the BAYS F-I OFF switch to ON.
 - 5) If the BAYS F LED is not ON, do this step:
 - a) Replace the BAY F LED, L25006.
 - 6) Hold the joy-stick to FWD.
 - 7) If the PDUs in bays F-I move, you have corrected the fault.
 - 8) Set the SYSTEM POWER switch to OFF.
 - 9) If the PDUs in bays F-I do not move, then continue.
- (23) Do a check of this wiring.
 - (a) Disconnect the BAYS F-I OFF switch, S25010.
 - (b) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (c) Do a wiring check between these pins of connector DM25001AD at the forward cargo system control shelf E16-2 and BAY F-I OFF switch, S25010 at the forward cargo handling switch panel, P24 (WDM 25-53-12):

DM250	01AD	S25010
pin A3		pin 2
pin B3		pin 3

1) If you find a problem with the wiring, do this step:

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- a) Repair the wiring.
- Re-connect BAYS F-I OFF switch, S25001.
- 3) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- 4) Set the SYSTEM POWER switch to ON.
- 5) Hold the joy-stick to FWD.
- 6) If the PDUs in bays F-I move, you corrected the fault.
- 7) Release the joy-stick.
- 8) Set the SYSTEM POWER switch to OFF.
- 9) If the PDUs in bays F-I do not move, then continue.
- (24) If the PDUs in bays E-I do not move, do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Set the BAYS E-I OFF switch to OFF.
 - (c) Replace BAY E-I OFF switch, S25011 (WDM 25-53-12).
 - (d) Set the BAYS E-I OFF switch to ON.
 - (e) If the BAY E LED is not ON, do this step:
 - 1) Replace the BAY E LED, L25007 (WDM 25-53-12).
 - (f) Hold the joy-stick to FWD.
 - (g) If the PDUs in bays E-I move, you have corrected the fault.
 - (h) Set the SYSTEM POWER switch to OFF.
 - (i) If the PDUs in bay E-I do not move, then continue.
- (25) Do a check of this wiring.

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- (a) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- (b) Disconnect switch S25011.
- (c) Do a wiring check between these pins of connector DM25001AD at the forward cargo system control shelf E16-2 and BAYS E-I OFF switch, S25011 at the forward cargo handling switch panel, P24 (WDM 25-53-12):

DM250	01AD	S25011
pin A2		pin 2
pin B2		pin 3

- 1) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
 - b) Re-connect switch BAYS H-I S25011.
 - c) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Set the SYSTEM POWER switch to ON.
 - e) Hold the joy-stick to FWD.
 - f) If the PDUs in bays E-I move, you corrected the fault.
 - g) Release the joy-stick.



h) Set the SYSTEM POWER switch to OFF.

——— END OF TASK ———		END	OF TA	SK —	
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813. Forward Cargo Compartment, Forward and Aft Power Drive Unit Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 808). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Hold the secondary joy-stick to FWD.
- (2) If the PDUs move, do these steps:
 - (a) Release the secondary joy-stick.
 - (b) Set the SYSTEM POWER switch to OFF.
 - (c) Replace the joy-stick, S25001.

These are the tasks:

Cargo Control Joystick Removal, AMM TASK 25-53-32-000-802,

Cargo Control Joystick Installation, AMM TASK 25-53-32-400-802.

- (d) Set the SYSTEM POWER switch to ON.
- (e) Hold the joy-stick to FWD.
- (f) If the PDUs move, you have corrected the fault.
- (g) If the PDUs do not move, then continue.
- (h) Do a check of this wiring.
 - 1) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - 2) Disconnect the joy-stick from connector DS25001.
 - Do a wiring check between these pins of connector DM25001AD at the forward cargo system control shelf E16-2 and connector DS25001 cargo control joy-stick, S25001 (WDM 25-53-12):

DM25001AD	DS25001
pin E14	pin 2
pin E15	pin 3
pin F14	pin 4
pin F15	pin 5

- 4) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DS25001.
 - Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Set the SYSTEM POWER switch to ON.
 - e) Hold the joy-stick to FWD.
 - f) If the PDUs move, you corrected the fault.
 - g) Release the joy-stick.

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- 5) If you do not find a problem with the wiring, then continue.
- 6) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- (3) Set the SYSTEM POWER switch to OFF.
- (4) Replace the PDU FWD/AFT switch, S25005 (WDM 25-53-12).
 - (a) Set the SYSTEM POWER switch to ON.
 - (b) Hold the joy-stick to FWD.
 - (c) If the PDUs move, you have corrected the fault.
 - (d) If the PDUs do not move, then continue.
 - (e) Release the joy-stick.
- (5) Do a check of the wiring.
 - (a) Disconnect PDU FWD/AFT switch, S25005.
 - (b) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (c) Do a wiring check between these pins of connector DM25001AD at the forward cargo system control shelf E16-2 and the PDU FWD/AFT switch, S25005 (WDM 25-53-12):

DM25001AD	S25005
pin A11	pin 3

- (d) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DS25001.
 - Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Set the PDU FWD/AFT switch to AFT.
 - 5) Hold the joy-stick to FWD.
 - 6) If all the aft PDUs move, you have corrected the fault.
 - 7) Set the SYSTEM POWER switch to OFF.
- (e) If you do not find a problem with the wiring, then continue.
- (6) Replace the cargo system controller (CSC), M25001.

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003,

Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- (a) Hold the joy-stick.
 - 1) If all the aft PDUs move, you have corrected the fault.
 - 2) If all the aft PDUs do not move, then continue.
 - 3) Release the joy-stick.

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814. Forward Cargo Compartment, Aft Power Drive Unit Control Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 808). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

(1) Hold the joy-stick to FWD for 5 seconds, and then release it.

NOTE: The FWD/AFT switch should be in the AFT position from the Initial Evaluation.

(2) If the FORWARD PDUs DO NOT move, then do these steps:

NOTE: At this point: 1. The forward PDUs DID move when the FWD/AFT switch was set to FWD, 2. The aft PDUs did NOT move with the switch set to AFT, and 3. The forward PDUs did NOT move with the switch set to AFT. Thus, we know the forward/aft signal and the joy stick signal are getting to the cargo system controller, so the problem is in the controller.

- (a) Set the SYSTEM POWER switch to OFF.
- (b) Replace the CSC, M25001,

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003,

Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- (c) Set the SYSTEM POWER switch to ON.
- (d) Hold the joy-stick to FWD for 5 seconds, and then release it.
- (e) If the aft PDUs move, you corrected the fault.
- (3) If the FORWARD PDUs move, then do these steps:

NOTE: If the fwd PDUs move when the FWD/AFT switch is in the AFT position, then it is likely the FWD/AFT switch is not open.

- (a) Replace the PDU FWD/AFT switch, S25005 (WDM 25-53-12).
- (b) Set the PDU FWD/AFT switch to AFT.
- (c) Hold the joy-stick to FWD for 5 seconds, and then release it.
- (d) If the aft PDUs move, you corrected the fault.
- (e) If the aft PDUs do not move, then do this check of the wiring:
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - Do a wiring check between these pins of connector DM25001AD at the forward cargo system control shelf, E16-2 and the PDU FWD/AFT switch, S25005 (WDM 25-53-12).

DM25001A	D	S25005
pin A11		pin 3

- 4) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-connect the PDU FWD/AFT switch, S25005.

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- c) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- d) Set the SYSTEM POWER switch to ON.
- e) Hold the joy-stick to FWD for 5 seconds, and then release it.
- f) If the aft PDUs move, you corrected the fault.
- 5) If you DO NOT find a problem with the wiring, then do these steps:
 - Install a new CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - b) Set the SYSTEM POWER switch to ON.
 - c) Hold the joy-stick to FWD for 5 seconds, and then release it.
 - d) If the aft PDUs move, you corrected the fault.

----- END OF TASK -----

815. Aft Cargo Compartment, Power Drive Unit Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 809). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Set the SYSTEM POWER switch to OFF.
- (2) If there is unwanted material that can prevent the movement of the PDU, do these steps:
 - (a) Remove unwanted material.
 - (b) Make sure the connector for the PDU is fully attached to the PDU.
 - (c) Set the SYSTEM POWER switch to ON.
 - (d) If the PDU is in the aft bay area, set the PDU FWD/AFT switch to AFT.
 - (e) If the PDU is in the forward bay area, set the PDU FWD/AFT switch to FWD.
 - (f) Hold the joy-stick to FWD.
 - (g) If all of the PDUs move, you corrected the fault.
 - (h) If the same PDU does not move, then continue.
 - (i) Release the joy-stick.
- (3) Disconnect the connector from the PDU.
- (4) Put a new PDU on the floor near the old one but do not install it.
- (5) Connect the connector to the new PDU.
- (6) Set the SYSTEM POWER switch to ON.
- (7) Hold the joy-stick to FWD.
- (8) If the new PDU moves, do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Replace the PDU that does not move with the new PDU

These are the tasks:

Powered Drive Unit - Removal, AMM TASK 25-53-01-000-801,

Powered Drive Unit - Installation, AMM TASK 25-53-01-400-801.

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- (c) Set the SYSTEM POWER switch to ON.
- (d) Hold the joy-stick to FWD.
- (e) If all of the forward PDUs move, you corrected the fault.
- (f) Release the joy-stick.
- (9) If the new PDU does not move, then continue.
- (10) Re-connect the connector to the PDU that is installed.
- (11) Do this check of the wiring:
 - (a) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (b) Do a wiring check between the pins D12 and E12 of connector DM25002AE at the aft cargo system control shelf, E17-1 and pins 5 and 6 of the connector from the PDU.
 - 1) (WDM 25-53-26)
 - 2) (WDM 25-53-27)
 - 3) (WDM 25-53-28)
 - 4) (WDM 25-53-29)
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the connector for the PDU.
 - Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Set the SYSTEM POWER switch to ON.
 - 5) Hold the joy-stick to FWD.
 - 6) If all of the PDUs move, you corrected the fault.

----- END OF TASK -----

816. Aft Cargo Compartment, Forward Power Drive Unit Control Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 809). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Set the PDU FWD/AFT switch to FWD.
- (2) Hold the joy-stick to FWD for 5 seconds, and then release it.
- (3) If the AFT PDUs DO NOT move, then do these steps:

NOTE: At this point: 1. The forward PDUs did NOT move when the FWD/AFT switch was set to FWD 2. The aft PDUs DID move with the switch set to AFT, and, 3. The aft PDUs did NOT move with the switch set to FWD. Thus, we know the forward/aft signal and the joy stick signal are getting to the cargo system controller, so the problem is in the controller.

- (a) Set the SYSTEM POWER switch to OFF.
- (b) Replace the CSC, M25002,

These are the tasks:

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Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003, Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- (c) Set the SYSTEM POWER switch to ON.
- (d) Hold the joy-stick to FWD for 5 seconds, and then release it.
- (e) If the forward PDUs move, you corrected the fault.
- (4) If the AFT PDUs move, then do these steps:

NOTE: If the aft PDUs move when the FWD/AFT switch is in the FWD position, then it is likely the FWD/AFT switch is not closed.

- (a) Replace the PDU FWD/AFT switch, S25105 (WDM 25-53-22).
- (b) Set the PDU FWD/AFT switch to FWD.
- (c) Hold the joy-stick to FWD for 5 seconds, and then release it.
- (d) If the forward PDUs move, you corrected the fault.
- (e) If the forward PDUs do not move, then do this check of the wiring:
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - Do a wiring check between the pin A11 of connector DM25002AD at the aft cargo system control shelf, E17-1 and pin 1 of the PDU FWD/AFT switch, S25105 (WDM 25-53-22).

DM25002AD	S25105
pin A11	pin 1

- 4) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
 - b) Re-connect the PDU FWD/AFT switch, S25105.
 - c) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Set the SYSTEM POWER switch to ON.
 - e) Hold the joy-stick to FWD for 5 seconds, and then release it.
 - f) If the forward PDUs move, you corrected the fault.
- 5) If you DO NOT find a problem with the wiring, then do these steps:
 - a) Install a new CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - b) Set the SYSTEM POWER switch to ON.
 - c) Hold the joy-stick to FWD for 5 seconds, and then release it.
 - d) If the aft PDUs move, you corrected the fault.

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817. Aft Cargo Compartment, Multiple Power Drive Unit Control Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 809). You must do the Initial Evaluation before you do this task.

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B. Fault Isolation Procedure

- (1) Set the PDU LEFT/BOTH/RIGHT switch to LEFT.
- (2) Hold the joy-stick to FWD.
- (3) If the left PDUs do not move, then do these steps:
 - (a) Set the PDU LEFT/BOTH/RIGHT switch to RIGHT.
 - (b) Hold the joy-stick to FWD.
 - (c) If the right PDUs do not move, do these steps.
 - Set the SYSTEM POWER switch to OFF.
 - 2) Replace the PDU LEFT/BOTH/RIGHT switch, S25104 (WDM 25-53-12).
 - 3) Set the SYSTEM POWER switch to ON.
 - 4) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - 5) Hold the joy-stick to FWD.
 - 6) If the PDUs move, you corrected the fault.
 - (d) If the right PDUs move, then continue.
- (4) Replace the left system power switch relay, K25101 (WDM 25-53-21).
 - (a) Set the SYSTEM POWER switch to ON.
 - (b) Hold the joy-stick to FWD.
 - (c) If the left PDUs move, you corrected the fault.
 - (d) If the left PDUs do not move, then continue.
 - (e) Release the joy-stick.
 - (f) Set the SYSTEM POWER switch to OFF.
 - (g) Do a check for this wiring.
 - Remove the cargo SYSTEM controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - Disconnect connector AC1652.
 - 3) Do a wiring check between these pins of connector DM25002AE at the aft cargo system control shelf E17-1 and the connector AC1652 for left system power relay in the cargo handling accessory panel - aft, P39 (WDM 25-53-21):

DM25002AE	AC1652
pin D12	pin 5
pin F14	pin 4

- 4) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
 - b) Re-connect to connector AC1652.
 - c) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Set the SYSTEM POWER switch to ON.
 - e) Hold the joy-stick to FWD.
 - f) If the left PDUs move, you corrected the fault.
 - g) If the left PDUs do not move, then continue.

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- h) Release the joy-stick.
- i) Set the SYSTEM POWER switch to OFF.
- 5) If you do not find a problem with the wiring, then continue.
- (5) Do a check of this wiring.
 - (a) Disconnect left system power replay, K25001.
 - (b) Do a wiring check between these pins at the connector D30001 power panel auxiliary, P300 and at the left system power relay in the cargo handling accessory panel aft, P39 (WDM 25-53-11):

D30001	K25001
pin A	pin A1
pin B	pin B1
pin C	pin C1

- (c) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect left system power relay, K25001.
 - 3) Set the SYSTEM POWER switch to ON.
 - Hold the joy-stick to FWD.
 - 5) If the left PDUs move, you corrected the fault.
 - 6) Release the joy-stick to FWD.
 - 7) Set the SYSTEM POWER switch to OFF.
- (6) Do a check on this wiring.
 - (a) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (b) Disconnect connector DS25104.
 - (c) Do a wiring check between these pins of connector DM25002AD at the aft cargo system control shelf E17-1 and connector DS25104 at the PDU LEFT/BOTH/RIGHT switch, S25104 (WDM 25-53-22):

DM25002AD	DS25104
pin H11	pin 1
pin F14	pin 4

- (d) If you find a problem with the wiring, do these steps:
 - Repair the wiring.
 - 2) Reconnect connector DS25104.
 - 3) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Set the SYSTEM POWER switch to ON.
 - 5) Hold the joy-stick to FWD.
 - 6) If the left PDUs move, you corrected the fault.
 - 7) If the left PDUs do not move, then continue.
 - 8) Release the joy-stick.

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- 9) If you do not find a problem with the wiring, then continue.
- (7) If the right and center PDUs do not move, do these steps:
 - (a) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - (b) Hold the joy-stick to FWD.
 - (c) If the left, center and right PDUs move, then continue.
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Replace the PDU LEFT/BOTH/RIGHT switch, S25104.
 - 3) Set the SYSTEM POWER switch to ON.
 - 4) Set the PDU LEFT/BOTH/RIGHT switch to RIGHT.
 - 5) If the right PDUs move, you have corrected the fault.
 - 6) If the right PDUs do not move, then continue.
 - 7) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - 8) Hold the joy-stick to FWD.
 - 9) If the right and center PDUs move, you corrected the fault.
 - (d) If the right and center PDUs do not move and the left PDUs move, then continue.
 - (e) Set the SYSTEM POWER switch to OFF.
- (8) Do a check of this wiring.
 - (a) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (b) Disconnect PDU LEFT/BOTH/RIGHT switch, S25104.
 - (c) Do a wiring check between these pins of connector DM25002AD at the aft cargo system control shelf E17-1 and S25104 the PDU left/both/right switch (WDM 25-53-22):

DM2500	2AD	S25104
pin K11		. pin 6

- 1) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
 - b) Re-connect PDU LEFT/BOTH/RIGHT switch, S25104.
 - Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Hold the joy-stick to FWD.
 - e) If the right PDUs move, you corrected the fault.
 - f) Release the joy-stick.
 - g) Set the SYSTEM POWER switch to OFF.
- 2) If the right PDUs do not move, then continue.
- (9) If the right and center PDUs do not move, do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Replace right system power relay, K25002 (WDM 25-53-21).
 - (c) Set the SYSTEM POWER switch to ON.
 - (d) Hold the joy-stick to FWD.

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- (e) If the right PDUs move, you corrected the fault.
- (f) If the right PDUs do not move, then continue.
- (g) Release the joy-stick.
- (h) Set the SYSTEM POWER switch to OFF.
- (10) Do a check of this wiring.
 - (a) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (b) Disconnect the right system power relay, K25102.
 - (c) Do a wiring check between these pins of connector DM25002AE at the aft cargo system control shelf E17-1 and the right system power relay, K25102 in the cargo handling accessory panel aft, P39 (WDM 25-53-21):

DM25002	2AE	K25102
pin E12		pin X1

- (d) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the right system power relay, K25102.
 - Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) If the right and center PDUs move, you corrected the fault.
 - 5) Release the joy-stick.
 - 6) Set the SYSTEM POWER switch to OFF.
 - 7) If the right and center PDUs do not move, then continue.
- (e) If you do not find a problems with the wiring, then continue.
- (11) Do a check of this wiring.
 - (a) Disconnect connector D7311P.
 - (b) Do a wiring check between these pins at the connector D30001 powered panel auxiliary, P300 and pins for connector D7311P for the right system power relay panel in the cargo handling accessory panel aft, P39 (WDM 25-53-22):

D30001	D7311F
pin F	pin F
pin E	pin E
pin D	pin D

- 1) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector D7311P.
 - c) If the right PDUs move, you corrected the fault.
 - d) Release the joy-stick.
- 2) If you do not find a problems with the wiring, then continue.
- 3) Set the SYSTEM POWER switch to OFF.
- (12) Do a check of the applicable circuit breakers:

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- (a) Set the SYSTEM POWER switch to OFF.
 - 1) Replace the applicable circuit breaker of the PDUs that do not move.
 - a) (WDM 25-53-26)
 - b) (WDM 25-53-27)
 - c) (WDM 25-53-28)
 - d) (WDM 25-53-29)
- (13) Set the SYSTEM POWER switch to ON.
- (14) If the removed circuit breaker is for the right or center PDUs, do these steps:
 - (a) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - (b) Hold the joy-stick to FWD.
 - (c) If the right or center PDUs move, you corrected the fault.
- (15) If the removed circuit breaker is for the left or center PDUs, do these steps:
 - (a) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
 - (b) Hold the joy-stick to FWD.
 - (c) If the left or center PDUs move, you corrected the fault.
 - (d) Release the joy-stick.
 - (e) Set the SYSTEM POWER switch to OFF.
- (16) If the PDUs in BAY C do not move, do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Replace BAY C OFF switch, S25110 (WDM 25-53-22).
 - (c) Set the SYSTEM POWER switch to ON.
 - (d) Set the BAY C switch to ON.
 - (e) If the SYSTEM POWER light for BAY C is not ON, do this step.
 - 1) Replace the BAY C LED, L25106 (WDM 25-53-22).
 - (f) Hold the joy-stick to FWD.
 - (g) If the PDUs in BAY C move, you have corrected the fault.
 - (h) Release the joy-stick.
 - (i) Set the SYSTEM POWER switch to OFF.
 - (j) If the PDUs in BAY C do not move, then continue.
- (17) Do a check of this wiring.
 - (a) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (b) Disconnect connect D7305P.
 - (c) Do a wiring check between these pins of connector DM25002AD at the aft cargo system control shelf E17-1 and BAY C switch S25110 at the aft cargo handling switch panel, P27 (WDM 25-53-22):

DM250	02AD	S25110
pin A3		pin 4
pin B1		pin 27

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- (d) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector D7305P.
 - Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Set the BAY C switch to ON.
 - 5) Hold the joy-stick to FWD.
 - 6) If all the BAY C PDUs move, you corrected the fault.
 - 7) Release the joy-stick.
 - 8) Set the SYSTEM POWER switch to OFF.
- (e) If you do not find a problem with the wiring, then continue.
- (18) If the PDUs in BAYS A-B do not move, do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Set the BAYS A-B switch to OFF.
 - (c) Replace BAYS A-B OFF switch, S25111 (WDM 25-53-22).
 - (d) Set the SYSTEM POWER switch to ON.
 - (e) Set the BAYS A-B switch to ON.
 - (f) If the BAY B LED is not ON, do this step:
 - 1) Replace the BAY H LED, L25107 (WDM 25-53-22).
 - (g) Hold the joy-stick to FWD.
 - (h) If the PDUs in BAYS A-B move, you have corrected the fault.
 - (i) Set the SYSTEM POWER switch to OFF.
 - (j) If the PDUs in bays A-B do not move, then continue.
- (19) Do a check of this wiring.
 - (a) Disconnect connector D7305P.
 - (b) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (c) Do a wiring check between these pins of connector DM25002AD at the aft cargo system control shelf E17-1 and the connector D7305P at the aft cargo handling switch panel, P27 (WDM 25-53-22):

DM25002AD	D7305P
pin A5	pin 2
pin B5	pin 3

- 1) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
- 2) Re-connect connector D7305P.
- Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- 4) Set the BAYS A-B OFF switch to ON.
- 5) Hold the joy-stick to FWD.

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- 6) If all the PDUs in bays A-B move, you corrected the fault.
- (d) Release the joy-stick.
- (e) Set the SYSTEM POWER switch to OFF.

----- END OF TASK -----

818. Aft Cargo Compartment, Forward and Aft Power Drive Unit Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 809). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Hold the secondary joy-stick to FWD.
- (2) If the PDUs move, do these steps:
 - (a) Release the secondary joy-stick.
 - (b) Set the SYSTEM POWER switch to OFF.
 - (c) Replace the joy-stick, S25101.

These are the tasks:

Cargo Control Joystick Removal, AMM TASK 25-53-32-000-802,

Cargo Control Joystick Installation, AMM TASK 25-53-32-400-802.

- (d) Set the SYSTEM POWER switch to ON.
- (e) Hold the joy-stick to FWD.
- (f) If the PDUs move, you have corrected the fault.
- (g) If the PDUs do not move, then continue.
- (h) Do a check of this wiring.

- Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 2) Disconnect the joy-stick from connector DS25101.
- Do a wiring check between these pins of connector DM25002AD at the aft cargo system control shelf E17-1 and connector DS25101 cargo control joy-stick, S25101 (WDM 25-53-22):

DM25002AD	DS25101
pin E14	pin 4
pin E15	pin 3
pin F14	pin 2
pin F15	pin 5

- 4) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DS25101.
 - c) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Set the SYSTEM POWER switch to ON.
 - e) Hold the joy-stick to FWD.

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- f) If the PDUs move, you corrected the fault.
- g) Release the joy-stick.
- 5) If you do not find a problem with the wiring, then continue.
- Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- (3) Set the SYSTEM POWER switch to OFF.
- (4) Replace the PDU FWD/AFT switch, S25105 (WDM 25-53-22).
 - (a) Set the SYSTEM POWER switch to ON.
 - (b) Hold the joy-stick to FWD.
 - (c) If the PDUs move, you have corrected the fault.
 - (d) If the PDUs do not move, then continue.
 - (e) Release the joy-stick.
- (5) Do a check of the wiring.
 - (a) Disconnect connector D7305.
 - (b) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (c) Do a wiring check between these pins of connector DM25002AD at the aft cargo system control shelf E17-1 and the connector D7305 (WDM 25-53-22):

DM2500	02AD	D7305
pin A11		pin 12

- (d) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector D7305.
 - Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Set the PDU FWD/AFT switch to AFT.
 - 5) Hold the joy-stick to FWD.
 - 6) If all the aft PDUs move, you have corrected the fault.
 - 7) Set the SYSTEM POWER switch to OFF.
- (e) If you do not find a problem with the wiring, then continue.
- (6) Replace the cargo system controller (CSC), M25002.

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003,

Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- (a) Hold the joy-stick.
 - 1) If all the aft PDUs move, you have corrected the fault.
 - 2) If all the aft PDUs do not move, then continue.
 - 3) Release the joy-stick.

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819. Aft Cargo Compartment, Aft Power Drive Unit Control Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 809). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

(1) Hold the joy-stick to FWD for 5 seconds, and then release it.

NOTE: The FWD/AFT switch should be in the AFT position from the Initial Evaluation.

(2) If the FORWARD PDUs DO NOT move, then do these steps:

NOTE: At this point: 1. The forward PDUs DID move when the FWD/AFT switch was set to FWD 2. The aft PDUs did NOT move with the switch set to AFT, and, 3. The forward PDUs did NOT move with the switch set to AFT. Thus, we know the forward/aft signal and the joy stick signal are getting to the cargo system controller, so the problem is in the controller.

- (a) Set the SYSTEM POWER switch to OFF.
- (b) Replace the CSC, M25002,

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003,

Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- (c) Set the SYSTEM POWER switch to ON.
- (d) Hold the joy-stick to FWD for 5 seconds, and then release it.
- (e) If the aft PDUs move, you corrected the fault.
- (3) If the FORWARD PDUs move, then do these steps:

NOTE: If the fwd PDUs move when the FWD/AFT switch is in the AFT position, then it is likely the FWD/AFT switch is not open.

- (a) Replace the PDU FWD/AFT switch, S25105 (WDM 25-53-22).
- (b) Set the PDU FWD/AFT switch to AFT.
- (c) Hold the joy-stick to FWD for 5 seconds, and then release it.
- (d) If the aft PDUs move, you corrected the fault.
- (e) If the aft PDUs do not move, then do this check of the wiring:
 - Set the SYSTEM POWER switch to OFF.
 - 2) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - 3) Do a wiring check between the pin A11 of connector DM25002AD at the aft cargo system control shelf, E17-1 and pin 1 of the FWD/AFT switch, S25105 (WDM 25-53-22).

DM25002AD	S25105
pin A11	pin 1

- 4) Do a wiring check between terminal 2 of the PDU FWD/AFT switch, S25105, and structure ground (WDM 25-53-22).
- 5) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.

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- b) Re-connect the PDU FWD/AFT switch, S25105.
- c) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- d) Set the SYSTEM POWER switch to ON.
- e) Hold the joy-stick to FWD for 5 seconds, and then release it.
- f) If the aft PDUs move, you corrected the fault.
- 6) If you DO NOT find a problem with the wiring, then do these steps:
 - a) Install a new CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - b) Set the SYSTEM POWER switch to ON.
 - c) Hold the joy-stick to FWD for 5 seconds, and then release it.
 - d) If the aft PDUs move, you corrected the fault.

----- END OF TASK -----

820. Forward and Aft Cargo Compartment Lateral Guide Problems - Fault Isolation

A. Initial Evaluation

(1) The Initial Evaluation for this procedure is in a different task (Forward Cargo Compartment Lateral Guides Inoperative - Fault Isolation, 25-53 TASK 801). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Set the SYSTEM POWER switch to OFF.
- (2) If there is unwanted material to prevent the movement of the forward lateral guide, clean the forward lateral guide.
 - (a) Make sure the connector for the lateral guide is fully attached to the lateral guide.
 - (b) Set the SYSTEM POWER switch to ON.
 - (c) Hold the joy-stick to FWD for forward lateral guides.
 - (d) Hold the joy-stick to AFT for aft lateral guides.
 - (e) If all of the lateral guides move, you corrected the fault.
 - (f) If the same lateral guide stays up again, then continue.
 - (g) Release the joy-stick.
- (3) Disconnect the connector from the lateral guide.
- (4) Put a new lateral guide on the floor near the old one but do not install it yet.
- (5) Connect the connector to the new lateral guide.
- (6) Set the SYSTEM POWER switch to ON.
- (7) Hold the joy-stick to FWD for forward lateral guides.
- (8) Hold the joy-stick to AFT for aft lateral guides.
- (9) If the new lateral guide moves, then do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Replace the lateral guide that does not move with the new lateral guide. These are the tasks:
 - 1) Lateral Guide Removal, AMM TASK 25-53-23-000-801

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- 2) Lateral Guide Installation, AMM TASK 25-53-23-400-801
- (c) Set the SYSTEM POWER switch to ON.
- (d) Hold the joy-stick to FWD for forward lateral guides.
- (e) Hold the joy-stick to AFT for aft lateral guides.
- (f) If all of the lateral guides move, you corrected the fault.
- (g) Release the joy-stick.
- (h) Do these steps to manually lower and lift the lateral guide.

NOTE: Do these steps if a lateral guide does not operate and you cannot replace it.

- 1) Release the uplock pawl and move the downlock pawl to the lock position to lock the lateral guide down.
- 2) At the same time turn the uplock pawl away from the crank and push the lateral guide fully down.
- To lift the lateral guide push down on the lateral guide to release the downlock pawl.
 NOTE: The lateral guide will move up by a spring force.
- (10) If the new lateral guide does not move, then continue.
- (11) Do this check of the wiring:
 - (a) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (b) Do a wiring check between the pins of connector DM25001AA at the forward cargo system control shelf, E16-2 and the connector from the forward lateral guide (WDM 25-53-15).
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the connector for the forward lateral guide.
 - 3) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - Set the SYSTEM POWER switch to ON.
 - 5) Hold the joy-stick to FWD.
 - If all of the forward lateral guides move, you corrected the fault.
 - (d) If you do not find a problem with the wiring, then do these steps:
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Replace the CSC, M25001.

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003, Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- 3) Re-connect the connector to the forward lateral guide.
- 4) Set the SYSTEM POWER switch to ON.
- 5) Hold the joy-stick to FWD.
- 6) If all of the forward lateral guides move, you corrected the fault.

	END	OF	TASK	
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821. Forward Cargo Compartment, Forward Lateral Guide Control Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 801). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Do these steps at the cargo handling switch panel:
 - (a) Set the PDU FWD/AFT switch to FWD.
 - (b) Hold the joy-stick to FWD.
- (2) If the powered drive units (PDUs) forward of the aft lateral guides do not move, then do these steps:
 - (a) Release the joy-stick, S25001.
 - (b) Hold the secondary joy-stick, S25015 to FWD.
 - (c) If the forward lateral guides and PDUs forward of the aft lateral guides move, then do these steps:
 - 1) Release the secondary joy-stick, S25015.
 - 2) Replace the joy-stick, S25001.

These are the tasks:

Cargo Control Joystick Removal, AMM TASK 25-53-32-000-802,

Cargo Control Joystick Installation, AMM TASK 25-53-32-400-802.

- 3) Set the SYSTEM POWER switch to ON.
- 4) Hold the joy-stick, S25001 to FWD.
- 5) If the forward lateral guides and PDUs forward of the aft lateral guides move, you corrected the fault.
- 6) If the forward lateral guides and PDUs forward of the aft lateral guides do not move, then continue.
- 7) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 8) Do a wiring check between these pins of connector DM25001AD at the forward cargo system control shelf E16-2 and connector DS25001 at the forward cargo handling switch panel, P24 (WDM 25-53-12):

DM25001AD	DS25001
pin E14	pin 2
pin F14	pin 4

- 9) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DS25001.
 - Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Set the SYSTEM POWER to ON.
 - e) Hold the joy-stick to FWD.

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- f) If the forward lateral guides and PDUs forward of the aft lateral guides move, you corrected the fault.
- g) Release the joy-stick.
- 10) If you do not find a problem with the wiring, then continue.
- Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- (d) If the forward lateral guides and PDUs forward of the aft lateral guides do not move, then continue.
- (e) Release the secondary joy-stick, S25015.
- (f) Set the SYSTEM POWER switch to OFF.
- (g) Replace the PDU FWD/AFT switch, S25005 (WDM 25-53-12).
- (h) Set the SYSTEM POWER switch to ON.
- (i) Hold the joy-stick, S25001 to FWD.
- (j) If the forward lateral guides and PDUs forward of the aft lateral guides move, you corrected the fault.
- (3) If the PDUs forward of the aft lateral guides move, then do these steps at the cargo handling control panel:
 - (a) Release the joy-stick.
 - (b) Set the PDU LEFT/BOTH/RIGHT switch to LEFT.
 - (c) Hold the joy-stick to FWD.
- (4) If the left and center forward lateral guides move, do these steps:
 - (a) Release the joy-stick.
 - (b) Disconnect connector DM25009 from the forward lateral guide, M25009 on the right side.
 - (c) Put a new lateral guide on the floor near the old one but do not install it yet.
 - (d) Connect the connector DM25009 to the new lateral guide.
 - (e) Hold the joy-stick to FWD.
 - (f) If the new lateral guide moves, do these steps:
 - 1) Replace the forward lateral guide, M25009 with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- 2) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
- 3) Hold the joy-stick to FWD.
- 4) If all of the forward lateral guides move, you corrected the fault.
- (g) If the new lateral guide does not move, then continue.
- (h) Remove the CSC, M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- (i) Do a wiring check between these pins of connector DM25001AA at the forward cargo system control shelf, E16-2 and connector DM25009 (WDM 25-53-15).

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DM2500	DM25009	
pin A3		pin 2
pin A1		pin 4

- (j) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM25009.
 - 3) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Hold the joy-stick to FWD.
 - 5) If the left and center forward lateral guides move, you corrected the fault.
- (k) If you do not find a problem with the wiring, then do these steps:
 - 1) Re-connect connector DM25009.
 - 2) Install a new CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - a) Hold the joy-stick to FWD.
 - b) If the left and center forward lateral guides move, you corrected the fault.
- (5) If the left and center forward lateral guides do not move, do these steps:
 - (a) Release the joy-stick.
 - (b) Set the PDU LEFT/BOTH/RIGHT switch to RIGHT.
 - (c) Hold the joy-stick to FWD.
 - (d) If the right and center forward lateral guides move, do these steps:
 - 1) Release the joy-stick.
 - Disconnect connector DM25011 from the forward lateral guide, M25011 on the left side.
 - 3) Put a new lateral guide on the floor near the old one but do not install it yet.
 - 4) Connect the connector DM25011 to the new lateral guide.
 - 5) Hold the joy-stick to FWD.
 - 6) If the new lateral guide moves, do these steps:
 - a) Replace the forward lateral guide, M25011 with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- b) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
- c) Hold the joy-stick to FWD.
- d) If all of the forward lateral guides move, you corrected the fault.
- 7) If the new lateral guide does not move, then continue.
- 8) Remove the CSC, M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 9) Do a wiring check between these pins of connector DM25001AA at the forward cargo system control shelf, E16-2 and connector DM25011 (WDM 25-53-15):

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DM2500	DM25011	
pin E3		pin 2
pin E1		pin 4

- 10) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DM25011.
 - c) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Hold the joy-stick to FWD.
 - e) If the right and center forward lateral guides move, you corrected the fault.
- 11) If you did not find a problem with the wiring, then continue.
- 12) Re-connect connector DM25011.
- 13) Install a new CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- 14) Hold the joy-stick to FWD.
- 15) If the right and center forward lateral guides move, you corrected the fault.
- (e) If the right and center forward lateral guides do not move, then do these steps:
 - 1) Release the joy-stick.
 - Disconnect connector DM25010 from the forward lateral guide, M25010 in the center.
 - Put a new lateral guide on the floor near the old one but do not install it yet.
 - 4) Connect the connector DM25010 to the new lateral guide.
 - 5) Hold the joy-stick to FWD.
 - 6) If the new lateral guide moves, then do these steps:
 - a) Replace the forward lateral guide, M25010 with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- b) Set the PDU LEFT/BOTH/RIGHT switch to BOTH.
- c) Hold the joy-stick to FWD.
- d) If all of the forward lateral guides move, you corrected the fault.
- 7) If the new lateral guide does not move, then continue.
- 8) Remove the CSC, M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 9) Do a wiring check between these pins of connector DM25001AA at the forward cargo system control shelf, E16-2 and connector DM25010 (WDM 25-53-15):

DM250	DM25010	
pin C3		pin 2
pin C1		pin 4

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- 10) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DM25010.
 - c) Re-install the CSC, M25001.
 - d) Hold the joy-stick to FWD.
 - e) If the right and center forward lateral guides move, you corrected the fault.
- 11) If you did not find a problem with the wiring, then continue.
- 12) Re-connect connector DM25010.
- 13) Install a new CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- 14) Hold the joy-stick to FWD.
- 15) If the right and center forward lateral guides move, you corrected the fault.



822. Forward Cargo Compartment, Aft Lateral Guide Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 801). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Set the SYSTEM POWER switch to OFF.
- (2) If there is unwanted material to prevent the movement of the aft lateral guide, clean the aft lateral guide.
 - (a) Make sure the connector for the aft lateral guide is fully connected to the lateral guide.
 - (b) Set the SYSTEM POWER switch to ON.
 - (c) Hold the joy-stick to AFT.
 - (d) If all of the aft lateral guides move, you corrected the fault.
 - (e) If the same aft lateral guide stays up again, then continue.
 - (f) Release to joy-stick.
- (3) Disconnect the connector from the aft lateral guide that does not move.
- (4) Put a new lateral guide on the floor near the old one but do not install it yet.
- (5) Connect the connector to the new lateral guide.
- (6) Set the SYSTEM POWER switch to ON.
- (7) Hold the joy-stick to AFT.
- (8) If the new lateral guide moves, then do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Replace the aft lateral guide that does not move with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

(c) Set the SYSTEM POWER switch to ON.

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- (d) Hold the joy-stick to AFT.
- (e) If all of the aft lateral guides move, you corrected the fault.
- (9) If the new lateral guide does not move, then continue.
- (10) Re-connect the connector to the aft lateral guide that is installed.
- (11) Do this check of the wiring:
 - (a) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (b) Do a wiring check between the pins of connector DM25001AA at the forward cargo system control shelf, E16-2 and the connector from the aft lateral guide (WDM 25-53-15).
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the connector for the aft lateral guide.
 - Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Hold the joy-stick to AFT.
 - 5) If all of the aft lateral guides move, you corrected the fault.
 - (d) If you did not find a problem with the wiring, do these steps:
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Replace the CSC, M25001.

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003, Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- 3) Set the SYSTEM POWER switch to ON.
- 4) Hold the joy-stick to AFT.
- 5) If all of the aft lateral guides move, you corrected the fault.

----- END OF TASK -----

823. Forward Cargo Compartment, Aft Lateral Guide Control Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 801). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) If the powered drive units (PDUs) aft of the forward lateral guides do not move, do these steps:
 - (a) Release the joy-stick, S25001.
 - (b) Hold the secondary joy-stick, S25015 to AFT.
 - (c) If the aft lateral guides and PDUs aft of the forward lateral guides move, then do these steps:
 - Release the secondary joy-stick, S25015.
 - Replace the joy-stick, S25001.

These are the tasks:

Cargo Control Joystick Removal, AMM TASK 25-53-32-000-802,

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Cargo Control Joystick Installation, AMM TASK 25-53-32-400-802.

- Set the SYSTEM POWER switch to ON.
- 4) Hold the joy-stick, S25001 to AFT.
- If the aft lateral guides and PDUs aft of the forward lateral guides move, you corrected the fault.
- If the aft lateral guides and PDUs aft of the forward lateral guides do not move, then continue.
- 7) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 8) Do a wiring check between these pins of connector DM25001AD at the forward cargo system control shelf E16-2 and connector DS25001 at the forward cargo handling switch panel, P24 (WDM 25-53-12):

DM25001AD	DS25001
pin E14	pin 2
pin F14	pin 4

- 9) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DS25001.
 - c) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Set the SYSTEM POWER to ON.
 - e) Hold the joy-stick to AFT.
 - f) If the aft lateral guides and PDUs aft of the forward lateral guides move, you corrected the fault.
 - g) Release the joy-stick.
- 10) If you do not find a problem with the wiring, then continue.
- 11) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- (d) If the aft lateral guides and PDUs aft of the forward lateral guides do not move, then continue.
- (e) Release the secondary joy-stick, S25015.
- (f) Set the SYSTEM POWER switch to OFF.
- (g) Replace the PDU FWD/AFT switch, S25005 (WDM 25-53-12).
- (h) Set the SYSTEM POWER switch to ON.
- (i) Hold the joy-stick, S25001 to AFT.
- If the aft lateral guides and PDUs aft of the forward lateral guide move, you corrected the fault.
- (2) If the PDUs aft of the forward lateral guides move, then do these steps at the cargo handling control panel:
 - (a) Release the joy-stick.
 - (b) Set the PDU LEFT/BOTH/RIGHT switch to LEFT.

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- (c) Hold the joy-stick to AFT.
- (3) If the two left lateral guides do not move, then do these steps:
 - (a) Release the joy-stick.
 - (b) Disconnect connector DM25016 from the aft lateral guide, M25016.
 - (c) Hold the joy-stick to AFT.
 - (d) If the aft lateral guide M25015 moves, then do these steps:
 - 1) Release the joy-stick.
 - 2) Put a new lateral guide on the floor near the old one but do not install it yet.
 - 3) Connect the connector DM25016 to the new lateral guide.
 - 4) Hold the joy-stick to AFT.
 - 5) If the new lateral guide moves, do these steps:
 - a) Replace the aft lateral guide, M25016 with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- b) Hold the joy-stick to AFT.
- c) If the two left aft lateral guides move, you corrected the fault.
- If the new lateral guide does not move, then continue.
- 7) Remove the CSC, M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 8) Do a wiring check between these pins of connector DM25001AA at the forward cargo system control shelf, E16-2 and connector DM25016 (WDM 25-53-15).

DM250	DM25016	
pin G7		pin 2
pin G5		pin 4

- 9) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DM25016.
 - c) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Hold the joy-stick to AFT.
 - e) If the two left aft lateral guides move, you corrected the fault.
- 10) If you do not find a problem with the wiring, then continue.
- 11) Re-connect the connector, DM25016.
- 12) Install a new CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- 13) Hold the joy-stick to AFT.
- 14) If the two left aft lateral guides move, you corrected the fault.
- (e) If the aft lateral guide M25015 does not move, then continue.
- (f) Re-connect connector DM25016 to the aft lateral guide, M25016.

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- (g) Disconnect connector DM25015 from the aft lateral guide, M25015.
- (h) Put a new lateral guide on the floor near the old one but do not install it yet.
- (i) Connect the connector DM25015 to the new lateral guide.
- (j) Hold the joy-stick to AFT.
- (k) If the new lateral guide moves, do these steps:
 - 1) Replace the aft lateral guide, M25015 with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- 2) Hold the joy-stick to AFT.
- 3) If the two left lateral guides move, you corrected the fault.
- (I) If the new lateral guide does not move, then continue.
- (m) Remove the CSC, M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- (n) Do a wiring check between these pins of connector DM25001AA at the forward cargo system control shelf, E16-2 and connector DM25015 (WDM 25-53-15).

DM25001AA	DM25015
pin E7	pin 2
pin E5	pin 4

- (o) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM25015.
 - 3) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - Hold the joy-stick to AFT.
 - 5) If the two left lateral guides move, you corrected the fault.
- (p) If you do not find a problem with the wiring, then do these steps:
 - Install a new CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - Hold the joy-stick to AFT.
 - 3) If the two left aft lateral guides move, you corrected the fault.
- (4) If the two left aft lateral guides move, then continue.
- Release the joy-stick.
- (6) Set the PDU LEFT/BOTH/RIGHT switch to RIGHT.
- (7) Hold the joy-stick to AFT.
- (8) If the two right aft lateral guides do not move, do these steps:
 - (a) Release the joy-stick.
 - (b) Disconnect connector DM25014 from the aft lateral guide, M25014.
 - (c) Hold the joy-stick to AFT.
 - (d) If the aft lateral guide M25013 moves, do these steps:

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- 1) Release the joy-stick.
- 2) Put a new lateral guide on the floor near the old one but do not install it yet.
- 3) Connect the connector DM25014 to the new lateral guide.
- 4) Hold the joy-stick to AFT.
- 5) If the new lateral guide moves, do these steps:
 - a) Replace the aft lateral guide M25014 with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- b) Hold the joy-stick to AFT.
- c) If the two right lateral guides move, you corrected the fault.
- If the new lateral guide does not move, then continue.
- Remove the CSC, M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 8) Do a wiring check between these pins of connector DM25001AA at the forward cargo system control shelf, E16-2 and connector DM25014 (WDM 25-53-15).

DM250	DM25014	
pin C7		pin 2
pin C5		pin 4

- 9) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DM25014.
 - c) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Hold the joy-stick to AFT.
 - e) If the two right lateral guides move, you corrected the fault.
- If you do not find a problem with the wiring, then continue.
- 11) Re-connect connector DM25014.
- 12) Install a new CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- 13) Set the SYSTEM POWER switch to ON.
- 14) Hold the joy-stick to AFT.
- 15) If the two right lateral guides move, you corrected the fault.
- (e) If the aft lateral guide M25013 does not move, continue.
- (f) Re-connect connector DM25014.
- (g) Disconnect connector DM25013 from the aft lateral guide, M25013.
- (h) Put a new lateral guide on the floor near the old one but do not install it yet.
- (i) Connect the connector DM25013 to the new lateral guide.
- (j) Hold the joy-stick to AFT.
- (k) If the new lateral guide moves, do these steps:

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1) Replace the aft lateral guide M25013 with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801, Lateral Guide Installation. AMM TASK 25-53-23-400-801.

- 2) Hold the joy-stick to AFT.
- 3) If the two right lateral guides move, you corrected the fault.
- (I) If the new lateral guide does not move, then continue.
- (m) Remove the CSC, M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- (n) Do a wiring check between these pins of connector DM25001AA at the forward cargo system control shelf, E16-2 and connector DM25013 (WDM 25-53-15).

DM250	DM25013	
pin A7		pin 2
pin A5		pin 4

- (o) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM25013.
 - 3) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Hold the joy-stick to AFT.
 - 5) If the two right lateral guides move, you corrected the fault.
- (p) If you do not find a problem with the wiring, then continue.
- (g) Re-connect connector DM25013.
- (r) Install a new CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- (s) Hold the joy-stick to AFT.
- (t) If the two right aft lateral guides move, you corrected the fault.



824. Forward Cargo Compartment, Lateral Guide Power Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 801). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) If the powered drive units (PDUs) on the right side of the cargo compartment aft of the aft lateral guides move and the left PDUs do not move, then do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Replace the left system power relay, K25001 (WDM 25-53-11).
 - (c) Set the SYSTEM POWER switch to ON.
 - (d) Hold the joy-stick to AFT.
 - (e) If all of the aft lateral guides move, you corrected the fault.

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- (2) If all of the PDUs aft of the aft lateral guides move, then continue.
- (3) Do a check of this circuit breaker:

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Row Col Number Name

A 9 C25017 LATERAL GUIDES

- (4) If the circuit breaker is closed, then do these steps:
 - (a) Replace this circuit breaker:

(WDM 25-53-11)

FWD Cargo Handling Access Panel, P35

Row	Col	Number	<u>Name</u>
Α	9	C25017	LATERAL GUIDES

- (b) Hold the joy-stick to AFT.
- (c) If all of the aft lateral guides move, you corrected the fault.
- (d) If all of the aft lateral guides do not move, then continue.
- (e) Do this check of the wiring:
 - Remove the CSC, M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - 2) Do a check for 115 VAC at pin 18 of connector DM25001AC at the forward cargo system control shelf, E16-2 (WDM 25-53-11).
 - 3) If there is not 115 VAC at pin 18 of connector DM25001AC at the forward cargo system control shelf, E16-2, then do these steps:
 - a) Repair the wiring.
 - b) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - c) Hold the joy-stick to AFT.
 - d) If all of the aft lateral guides move, you corrected the fault.
 - 4) If there is 115 VAC at pin 18 of connector DM25001AC at the forward cargo system control shelf, E16-2, then continue.
 - 5) Install a new CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 6) Hold the joy-stick to AFT.
 - 7) If all of the aft lateral guides move, you corrected the fault.
- (5) If the circuit breaker is open, then continue.
 - (a) Close this circuit breaker:

FWD Cargo Handling Access Panel, P35

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
Α	9	C25017	LATERAL GUIDES

- (b) Hold the joy-stick to AFT.
- (c) If all of the aft lateral guides move, you corrected the fault.
- (d) If the circuit breaker opens again, do this check of the wiring:

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- 1) Do a check for 115 VAC at pin 1 for the lateral guides circuit breaker (WDM 25-53-11).
- 2) If there is not 115 VAC, then continue.
- Disconnect the left system power relay, K25001 (WDM 25-53-11).
- Repair the wiring between pin B2 at the left system power relay, K25001 and this circuit breaker:

FWD Cargo Handling Access Panel, P35

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
Α	9	C25017	LATERAL GUIDES

- 5) Re-connect the left system power relay, K25001.
- 6) Close the circuit breaker.
- 7) Hold the joy-stick to AFT.
- 8) If all of the aft lateral guides move, you corrected the fault.



825. Forward Cargo Compartment, Center Stop/Lock Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 802). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) If one of the center stop/locks moves to the unload position, but the other one does not, then do these steps:
 - (a) If there is unwanted material to prevent the movement of the center stop/lock, then do these steps:
 - 1) Clean the center stop/lock.
 - With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
 - 3) If the two center stop/locks move to the unload position, you corrected the fault.
 - 4) If the same center stop/lock does not move, then continue.
 - (b) Replace the center stop/lock.

These are the tasks:

Center Stop/Lock Removal, AMM TASK 25-53-24-000-809-003,

Center Stop/Lock Installation, AMM TASK 25-53-24-400-809-003.

- (c) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
- (d) If the two center stop/locks move to the unload position, you corrected the fault.
- (e) If the same center stop/lock does not move, then continue.
- (f) Do this check of the wiring:
 - 1) Remove the center stop/lock. To remove it, do this task: Center Stop/Lock Removal, AMM TASK 25-53-24-000-809-003.

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- 2) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 3) Do a wiring check between the pins of the connector for the center stop/lock and the pins of the connector at the forward cargo system control shelf, E16-2 (WDM 25-53-14).
- 4) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-install the center stop/lock. To install it, do this task: Center Stop/Lock Installation, AMM TASK 25-53-24-400-809-003.
 - c) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
 - e) If the two center stop/locks move to the unload position, you corrected the fault
- 5) If you do not find a problem with the wiring, then continue.
- (g) Replace the CSC, M25001.

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003,

Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- (h) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
- (i) If the two center stop/locks move to the unload position, you corrected the fault.
- (2) If the two center stop/locks stay in the lock position, then do these steps:
 - (a) Replace the STOP/LOCKS LOCK/UNLK switch, S25016 (WDM 25-53-12).
 - With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
 - 2) If the two center stop/locks move to the unload position, you corrected the fault.
 - 3) If the two center stop/locks stay in the lock position, then continue.
 - 4) Remove the CSC, M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - 5) Hold the STOP/LOCKS LOCK/UNLK switch to CTR.
 - 6) Do a continuity check from pin C11 of connector, DM25001AD at the forward cargo system control shelf, E16-2 to structure ground (WDM 25-53-12).
 - 7) Release the STOP/LOCKS LOCK/UNLK switch.
 - 8) If there is not continuity to structure ground while you hold the STOP/LOCKS LOCK/UNLK switch to CTR, then do these steps:
 - Repair the wiring between the STOP/LOCKS LOCK/UNLK switch and pin C11 of connector DM25001AD at the forward cargo system control shelf E16-2.
 - b) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.

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- If the two center stop/locks move to the unload position, you corrected the fault.
- 9) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- (b) Remove the forward center stop/lock, M25017. To remove it, do this task: Center Stop/Lock Removal, AMM TASK 25-53-24-000-809-003.
- (c) Move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
- (d) If the aft center stop/lock M25018 does not move to the unload position when you operate the STOP/LOCKS LOCK/UNLK switch, then do these steps:
 - 1) Re-install the forward center stop/lock, M25017. To install it, do this task: Center Stop/Lock Installation, AMM TASK 25-53-24-400-809-003.
 - 2) Replace the aft center stop/lock, M25018.

These are the tasks:

Center Stop/Lock Removal, AMM TASK 25-53-24-000-809-003,

Center Stop/Lock Installation, AMM TASK 25-53-24-400-809-003.

- 3) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
- 4) If the two center stop/locks move to the unload position, you corrected the fault.
- 5) If the two center stop/locks stay in the lock position, then continue.
- 6) Remove the aft center stop/lock, M25018. To remove it, do this task: Center Stop/Lock Removal, AMM TASK 25-53-24-000-809-003.
- Remove the CSC, M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 8) Do a wiring check between these pins of connector DM25001AB at the forward cargo system control shelf, E16-2 and connector DM25018A for the aft center stop/lock (WDM 25-53-14):

DM250	01AB	DM25018A
pin D2		pin 2
pin D5		pin 3
pin D8		pin 4

- 9) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-install the aft center stop/lock, M25018. To install it, do this task: Center Stop/Lock Installation, AMM TASK 25-53-24-400-809-003.
 - c) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
 - e) If the two center stop/locks move to the unload position, you corrected the
- 10) If you do not find a problem with the wiring, then continue.
- 11) Replace the CSC, M25001.

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These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003, Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
- 13) If the two center stop/locks move to the unload position, you corrected the fault.
- (e) If the aft center stop/lock M25018 moves to the unload position when you operate the STOP/LOCKS LOCK/UNLK switch, then do these steps:
 - 1) Replace the forward center stop/lock, M25017.

These are the tasks:

Center Stop/Lock Removal, AMM TASK 25-53-24-000-809-003,

Center Stop/Lock Installation, AMM TASK 25-53-24-400-809-003.

- 2) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
- If the two center stop/locks move to the unload position, you corrected the fault.
- 4) If the two center stop/locks stay in the lock position, then continue.
- 5) Remove the CSC, M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 6) Remove the forward center stop/lock, M25017. To remove it, do this task: Center Stop/Lock Removal, AMM TASK 25-53-24-000-809-003.
- 7) Do a wiring check between these pins of connector DM25001AB at the forward cargo system control shelf, E16-2 and connector DM25017A for the forward center stop/lock (WDM 25-53-14).

DM25001AB	DM25017A
pin B2	pin 2
pin B5	pin 3
pin B8	pin 4

- 8) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-install the forward center stop/lock, M25017. To install it, do this task: Center Stop/Lock Installation, AMM TASK 25-53-24-400-809-003.
 - c) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
 - e) If the two center stop/locks move to the unload position, you corrected the fault.
- 9) If you did not find a problem with the wiring, then continue.
- 10) Replace the CSC, M25001.

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003, Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

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- With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
- 12) If the two center stop/locks move to the unload position, you corrected the fault.

----- END OF TASK -----

828. Forward Cargo Compartment, Retractable Guide Roller/Lock Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 803). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Examine the retractable guide roller/lock to see if there is unwanted material that can prevent the movement.
 - (a) If there is unwanted material that can prevent the movement of the retractable guide roller/lock, then do these steps:
 - Set the SYSTEM POWER switch to OFF.
 - 2) Clean the retractable guide roller/lock.
 - 3) Manually put the retractable guide roller/lock in the lock position.
 - 4) Set the SYSTEM POWER switch to ON.
 - 5) If the retractable guide roller/lock moves to the load position, you corrected the fault.
 - (b) If there is not unwanted material that can prevent the movement of the retractable guide roller/lock, then continue.
- (2) Replace the retractable guide roller/lock, M25007.

These are the tasks:

Retractable Guide Roller/Lock Removal, AMM TASK 25-53-13-000-805-003,

Retractable Guide Roller/Lock Installation, AMM TASK 25-53-13-400-805-003.

- (a) Manually put the new retractable guide roller/lock in the lock position.
- (b) Set the LOCK/LOAD/UNLOAD switch to LOCK.
- (c) Set the SYSTEM POWER switch to ON.
- (d) Set the LOCK/LOAD/UNLOAD switch to LOAD.
- (e) If the retractable guide roller/lock moves to the load position, you corrected the fault.
- (f) If the retractable guide roller/lock does not move to the load position, then continue.
- (3) Do this check of the wiring:
 - (a) Remove the retractable guide roller/lock, M25007. To remove it, do this task: Retractable Guide Roller/Lock Removal, AMM TASK 25-53-13-000-805-003.
 - (b) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (c) Do a wiring check between these pins of connector DM25001AB at the forward cargo system control shelf, E16-2 and connector DM25007A for the retractable guide roller/lock (WDM 25-53-13):

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DM2500	D1AB	DM25007A
pin G1		pin 2
pin G4		pin 3
pin G7		pin 4

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the retractable guide roller/lock, M25007. To install it, do this task: Retractable Guide Roller/Lock Installation, AMM TASK 25-53-13-400-805-003.
 - Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Manually put the retractable guide roller/lock in the lock position.
 - 5) Set the LOCK/LOAD/UNLOAD switch to LOCK.
 - 6) Set the SYSTEM POWER switch to ON.
 - Set the LOCK/LOAD/UNLOAD switch to LOAD.
 - 8) If the retractable guide roller/lock moves to the load position, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-install the retractable guide roller/lock, M25007. To install it, do this task: Retractable Guide Roller/Lock Installation, AMM TASK 25-53-13-400-805-003.
- (4) Replace the CSC, M25001.

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003,

Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- (a) Manually put the retractable guide roller/lock in the lock position.
- (b) Set the LOCK/LOAD/UNLOAD switch to LOCK.
- (c) Set the SYSTEM POWER switch to ON.
- (d) Set the LOCK/LOAD/UNLOAD switch to LOAD.
- (e) If the retractable guide roller/lock moves to the load position, you corrected the fault.



829. Forward Cargo Compartment, Rollout Stop/Lock Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 803). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Examine the rollout stop/lock to see if there is unwanted material that can prevent the movement.
 - (a) If there is unwanted material to prevent the movement of the rollout stop/lock, then do these steps:
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Clean the rollout stop/lock.

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- 3) Manually put the rollout stop/lock in the lock position.
- 4) Set the SYSTEM POWER switch to ON.
- 5) If the rollout stop/lock moves to the load position, you corrected the fault.
- (b) If there is not unwanted material that can prevent the movement of the rollout stop/lock, then continue.
- (2) Replace the rollout stop/lock.

These are the tasks:

Rollout Stop/Lock Removal, AMM TASK 25-53-11-000-805-003,

Rollout Stop/Lock Installation, AMM TASK 25-53-11-400-805-003.

- (a) Manually put the new rollout stop/lock in the lock position.
- (b) Set the LOCK/LOAD/UNLOAD switch to LOCK.
- (c) Set the SYSTEM POWER switch to ON.
- (d) Set the LOCK/LOAD/UNLOAD switch to LOAD.
- (e) If the rollout stop/lock moves to the load position, you corrected the fault.
- (f) If the rollout stop/lock does not move to the load position, then continue.
- (3) Do this check of the wiring:
 - (a) Remove the rollout stop/lock. To remove it, do this task: Rollout Stop/Lock Removal, AMM TASK 25-53-11-000-805-003.
 - (b) Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (c) Do a wiring check between the pins of connector DM25001AB at the forward cargo system control shelf, E16-2 and the connector for the rollout stop/lock (WDM 25-53-13).
 - (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the rollout stop/lock. To install it, do this task: Rollout Stop/Lock Installation, AMM TASK 25-53-11-400-805-003.
 - 3) Re-install the CSC, M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Manually put the rollout stop/lock in the lock position.
 - 5) Set the LOCK/LOAD/UNLOAD switch to LOCK.
 - 6) Set the SYSTEM POWER switch to ON.
 - 7) Set the LOCK/LOAD/UNLOAD switch to LOAD.
 - 8) If the rollout stop/lock moves to the load position, you corrected the fault.
 - (e) If you do not find a problem with the wiring, then continue.
 - (f) Re-install the rollout stop/lock. To install it, do this task: Rollout Stop/Lock Installation, AMM TASK 25-53-11-400-805-003.
- (4) Replace the CSC, M25001.

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003,

Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

(a) Manually put the rollout stop/lock in the lock position.



- (b) Set the LOCK/LOAD/UNLOAD switch to LOCK.
- (c) Set the SYSTEM POWER switch to ON.
- (d) Set the LOCK/LOAD/UNLOAD switch to LOAD.
- (e) If the rollout stop/lock moves to the load position, you corrected the fault.

----- END OF TASK -----

831. Aft Cargo Compartment, Forward Lateral Guide Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 804). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Set the SYSTEM POWER switch to OFF.
- (2) If there is unwanted material to prevent the movement of the forward lateral guide, clean the forward lateral guide.
 - (a) Make sure the connector for the forward lateral guide is fully attached to the lateral guide.
 - (b) Set the SYSTEM POWER switch to ON.
 - (c) Hold the joy-stick to FWD.
 - (d) If all of the forward lateral guides move, you corrected the fault.
 - (e) If the same forward lateral guide stays up again, then continue.
 - (f) Release the joy-stick.
- (3) Disconnect the connector from the forward lateral guide.
- (4) Put a new lateral guide on the floor near the old one but do not install it yet.
- (5) Connect the connector to the new lateral guide.
- (6) Set the SYSTEM POWER switch to ON.
- (7) Hold the joy-stick to FWD.
- (8) If the new lateral guide moves, then do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Replace the forward lateral guide that does not move with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- (c) Set the SYSTEM POWER switch to ON.
- (d) Hold the joy-stick to FWD.
- (e) If all of the forward lateral guides move, you corrected the fault.
- (f) Release the joy-stick.
- (9) If the new lateral guide does not move, then continue.
- (10) Re-connect the connector to the forward lateral guide that is installed.
- (11) Do this check of the wiring:
 - (a) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.

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- (b) Do a wiring check between the pins of connector DM25002AA at the aft cargo system control shelf, E17-1 and the connector from the forward lateral guide (WDM 25-53-25).
- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the connector for the forward lateral guide.
 - 3) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Set the SYSTEM POWER switch to ON.
 - 5) Hold the iov-stick to FWD.
 - 6) If all of the forward lateral guides move, you corrected the fault.
- (d) If you do not find a problem with the wiring, then do these steps:
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Replace the CSC, M25002.

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003, Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- 3) Set the SYSTEM POWER switch to ON.
- 4) Hold the joy-stick to FWD.
- 5) If all of the forward lateral guides move, you corrected the fault.



832. Aft Cargo Compartment, Forward Lateral Guide Control Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 804). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Do these steps at the cargo handling switch panel:
 - (a) Set the PDU FWD/AFT switch to FWD.
 - (b) Hold the joy-stick to FWD.
- (2) If the powered drive units (PDUs) forward of the aft lateral guides do not move, then do these steps:
 - (a) Release the joy-stick, S25101.
 - (b) Hold the secondary joy-stick, S25115 to FWD.
 - (c) If the forward lateral guides and PDUs forward of the aft lateral guides move, then do these steps:
 - 1) Release the secondary joy-stick, S25115.
 - 2) Replace the joy-stick, S25101.

These are the tasks:

Cargo Control Joystick Removal, AMM TASK 25-53-32-000-802,

Cargo Control Joystick Installation, AMM TASK 25-53-32-400-802.

3) Set the SYSTEM POWER switch to ON.

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- 4) Hold the joy-stick, S25101 to FWD.
- 5) If the forward lateral guides and PDUs forward of the aft lateral guides move, you corrected the fault.
- 6) If the forward lateral guides and PDUs forward of the aft lateral guides do not move, then continue.
- 7) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 8) Do a wiring check between these pins of connector DM25002AD at the aft cargo system control shelf E17-1 and connector DS25101 at the aft cargo handling control panel, P27 (WDM 25-53-22):

DM25002AD	DS25101
pin E14	pin 4
pin F14	pin 2

- 9) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DS25101.
 - c) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Set the SYSTEM POWER to ON.
 - e) Hold the joy-stick to FWD.
 - f) If the forward lateral guides and PDUs forward of the aft lateral guides move, you corrected the fault.
 - g) Release the joy-stick.
- 10) If you do not find a problem with the wiring, then continue.
- 11) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- (d) If the forward lateral guides and PDUs forward of the aft lateral guides do not move, then continue.
- (e) Release the secondary joy-stick, S25115.
- (f) Set the SYSTEM POWER switch to OFF.
- (g) Replace the PDU FWD/AFT switch, S25105 (WDM 25-53-22).
- (h) Set the SYSTEM POWER switch to ON.
- (i) Hold the joy-stick, S25101 to FWD.
- (j) If the forward lateral guides and PDUs forward of the aft lateral guides move, you corrected the fault.
- (3) If the PDUs forward of the aft lateral guides move, then do these steps at the cargo handling control panel:
 - (a) Release the joy-stick.
 - (b) Set the PDU LEFT/BOTH/RIGHT switch to LEFT.
 - (c) Hold the joy-stick to FWD.
- (4) If the two left forward lateral guides do not move, then do these steps:

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- (a) Release the joy-stick.
- (b) Disconnect connector DM25028 from the forward lateral guide, M25028.
- (c) Hold the joy-stick to FWD.
- (d) If the forward lateral guide M25027 moves, then do these steps:
 - 1) Release the joy-stick.
 - 2) Put a new lateral guide on the floor near the old one but do not install it yet.
 - 3) Connect the connector DM25028 to the new lateral guide.
 - 4) Hold the joy-stick to FWD.
 - 5) If the new lateral guide moves, do these steps:
 - a) Replace the forward lateral guide, M25028 with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- b) Hold the joy-stick to FWD.
- c) If the two left forward lateral guides move, you corrected the fault.
- 6) If the new lateral guide does not move, then continue.
- 7) Remove the CSC, M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 8) Do a wiring check between these pins of connector DM25002AA at the aft cargo system control shelf, E17-1 and connector DM25028 (WDM 25-53-25).

DM25002	DM25028	
pin G3		pin 2
pin G1		pin 4

- 9) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DM25028.
 - c) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Hold the joy-stick to FWD.
 - e) If the two left forward lateral guides move, you corrected the fault.
- 10) If you do not find a problem with the wiring, then continue.
- 11) Re-connect the connector, DM25028.
- 12) Install a new CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- 13) Hold the joy-stick to FWD.
- 14) If the two left forward lateral guides move, you corrected the fault.
- (e) If the forward lateral guide M25027 does not move, then continue.
- (f) Re-connect connector DM25028 to the forward lateral guide, M25028.
- (g) Disconnect connector DM25027 from the forward lateral guide, M25027.
- (h) Put a new lateral guide on the floor near the old one but do not install it yet.

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- (i) Connect the connector DM25027 to the new lateral guide.
- (j) Hold the joy-stick to FWD.
- (k) If the new lateral guide moves, do these steps:
 - 1) Replace the forward lateral guide, M25027 with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- 2) Hold the joy-stick to FWD.
- 3) If the two left forward lateral guides move, you corrected the fault.
- (I) If the new lateral guide does not move, then continue.
- (m) Remove the CSC, M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- (n) Do a wiring check between these pins of connector DM25002AA at the aft cargo system control shelf, E17-1 and connector DM25027 (WDM 25-53-25).

DM250	DM25027	
pin E3		pin 2
pin E1		pin 4

- (o) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM25027.
 - Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - Hold the joy-stick to FWD.
 - 5) If the two left forward lateral guides move, you corrected the fault.
- (p) If you do not find a problem with the wiring, then do these steps:
 - 1) Install a new CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - Hold the joy-stick to FWD.
 - 3) If the two left forward lateral guides move, you corrected the fault.
- (5) If the two left forward lateral guides move, then continue.
- (6) Release the joy-stick.
- (7) Set the PDU LEFT/BOTH/RIGHT switch to RIGHT.
- Hold the joy-stick to FWD.
- (9) If the two right forward lateral guides do not move, do these steps:
 - (a) Release the joy-stick.
 - (b) Disconnect connector DM25026 from the forward lateral guide, M25026.
 - (c) Hold the joy-stick to FWD.
 - (d) If the forward lateral guide M25025 moves, do these steps:
 - 1) Release the joy-stick.
 - 2) Put a new lateral guide on the floor near the old one but do not install it yet.

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- Connect the connector DM25026 to the new lateral guide.
- 4) Hold the joy-stick to FWD.
- 5) If the new lateral guide moves, do these steps:
 - a) Replace the forward lateral guide M25026 with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- b) Hold the joy-stick to FWD.
- c) If the two right forward lateral guides move, you corrected the fault.
- 6) If the new lateral guide does not move, then continue.
- Remove the CSC, M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 8) Do a wiring check between these pins of connector DM25002AA at the aft cargo system control shelf, E17-1 and connector DM25026 (WDM 25-53-25).

DM250	DM25026	
pin C3		pin 2
pin C1		pin 4

- 9) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DM25026.
 - Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Hold the joy-stick to FWD.
 - e) If the two right forward lateral guides move, you corrected the fault.
- 10) If you do not find a problem with the wiring, then continue.
- 11) Re-connect connector DM25026.
- 12) Install a new CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- 13) Hold the joy-stick to FWD.
- 14) If the two right forward lateral guides move, you corrected the fault.
- (e) If the forward lateral guide M25025 does not move, continue.
- (f) Re-connect connector DM25026.
- (g) Disconnect connector DM25025 from the forward lateral guide, M25025.
- (h) Put a new lateral guide on the floor near the old one but do not install it yet.
- (i) Connect the connector DM25025 to the new lateral guide.
- (j) Hold the joy-stick to FWD.
- (k) If the new lateral guide moves, do these steps:
 - 1) Replace the forward lateral guide M25025 with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

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Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- Hold the joy-stick to FWD.
- 3) If the two right forward lateral guides move, you corrected the fault.
- (I) If the new lateral guide does not move, then continue.
- (m) Remove the CSC, M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- (n) Do a wiring check between these pins of connector DM25002AA at the aft cargo system control shelf, E17-1 and connector DM25025 (WDM 25-53-25).

DM250	DM25025	
pin A3		pin 2
pin A1		pin 4

- (o) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM25025.
 - Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Hold the joy-stick to FWD.
 - 5) If the two right forward lateral guides move, you corrected the fault.
- (p) If you do not find a problem with the wiring, then continue.
- (q) Re-connect connector DM25025.
- (r) Install a new CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- (s) Hold the joy-stick to FWD.
- (t) If the two right forward lateral guides move, you corrected the fault.

——— END OF TASK ———

833. Aft Cargo Compartment, Aft Lateral Guide Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 804). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- Set the SYSTEM POWER switch to OFF.
- (2) If there is unwanted material to prevent the movement of the aft lateral guide, clean the aft lateral guide.
 - (a) Make sure the connector for the aft lateral guide is fully connected to the lateral guide.
 - (b) Set the SYSTEM POWER switch to ON.
 - (c) Hold the joy-stick to AFT.
 - (d) If all of the aft lateral guides move, you corrected the fault.
 - (e) If the same aft lateral guide stays up again, then continue.
 - (f) Release to joy-stick.
- (3) Disconnect the connector from the aft lateral guide that does not move.

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- (4) Put a new lateral guide on the floor near the old one but do not install it yet.
- (5) Connect the connector to the new lateral guide.
- (6) Set the SYSTEM POWER switch to ON.
- (7) Hold the joy-stick to AFT.
- (8) If the new lateral guide moves, then do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Replace the aft lateral guide that does not move with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- (c) Set the SYSTEM POWER switch to ON.
- (d) Hold the joy-stick to AFT.
- (e) If all of the aft lateral guides move, you corrected the fault.
- (9) If the new lateral guide does not move, then continue.
- (10) Re-connect the connector to the aft lateral guide that is installed.
- (11) Do this check of the wiring:
 - (a) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (b) Do a wiring check between the pins of connector DM25002AA at the aft cargo system control shelf, E17-1 and the connector from the aft lateral guide (WDM 25-53-25).
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the connector for the aft lateral guide.
 - Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Hold the joy-stick to AFT.
 - 5) If all of the aft lateral guides move, you corrected the fault.
 - (d) If you did not find a problem with the wiring, do these steps:
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Replace the CSC, M25002.

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003, Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- 3) Set the SYSTEM POWER switch to ON.
- 4) Hold the joy-stick to AFT.
- 5) If all of the aft lateral guides move, you corrected the fault.

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25-53 TASK 833

EFFECTIVITY



834. Aft Cargo Compartment, Aft Lateral Guide Control Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 804). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) If the powered drive units (PDUs) aft of the forward lateral guides did not move (while you held the joy-stick), do these steps:
 - (a) Hold the secondary joy-stick, S25115 to AFT.
 - (b) If the aft lateral guides and PDUs aft of the forward lateral guides move, then do these steps:
 - 1) Release the secondary joy-stick, S25115.
 - 2) Replace the joy-stick, S25101.

These are the tasks:

Cargo Control Joystick Removal, AMM TASK 25-53-32-000-802,

Cargo Control Joystick Installation, AMM TASK 25-53-32-400-802.

- 3) Set the SYSTEM POWER switch to ON.
- 4) Hold the joy-stick, S25101 to AFT.
- 5) If the aft lateral guides and PDUs aft of the forward lateral guides move, you corrected the fault.
- If the aft lateral guides and PDUs aft of the forward lateral guides do not move, then continue.
- 7) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 8) Do a wiring check between these pins of connector DM25002AD at the aft cargo system control shelf E17-1 and connector DS25101 at the aft cargo handling control panel, P27 (WDM 25-53-22):

DM25002AD	DS25101	
pin E14		pin 4
pin F14		pin 2

- 9) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DS25101.
 - c) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Set the SYSTEM POWER to ON.
 - e) Hold the joy-stick to AFT.
 - f) If the aft lateral guides and PDUs aft of the forward lateral guides move, you corrected the fault.
 - g) Release the joy-stick.
- 10) If you do not find a problem with the wiring, then continue.

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- 11) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- (c) If the aft lateral guides and PDUs aft of the forward lateral guides do not move, then continue.
- (d) Release the secondary joy-stick, S25115.
- (e) Set the SYSTEM POWER switch to OFF.
- (f) Replace the PDU FWD/AFT switch, S25105 (WDM 25-53-22).
- (g) Set the SYSTEM POWER switch to ON.
- (h) Hold the joy-stick, S25101 to AFT.
- If the aft lateral guides and PDUs aft of the forward lateral guide move, you corrected the fault
- (2) If the PDUs aft of the forward lateral guides move, then do these steps at the cargo handling control panel:
 - (a) Release the joy-stick.
 - (b) Set the PDU LEFT/BOTH/RIGHT switch to LEFT.
 - (c) Hold the joy-stick to AFT.
- (3) If the two left lateral guides do not move, then do these steps:
 - (a) Release the joy-stick.
 - (b) Disconnect connector DM25032 from the aft lateral guide, M25032.
 - (c) Hold the joy-stick to AFT.
 - (d) If the aft lateral guide M25031 moves, then do these steps:
 - 1) Release the joy-stick.
 - 2) Put a new lateral guide on the floor near the old one but do not install it yet.
 - 3) Connect the connector DM25032 to the new lateral guide.
 - Hold the joy-stick to AFT.
 - 5) If the new lateral guide moves, do these steps:
 - a) Replace the aft lateral guide, M25032 with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- b) Hold the joy-stick to AFT.
- c) If the two left aft lateral guides move, you corrected the fault.
- 6) If the new lateral guide does not move, then continue.
- Remove the CSC, M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 8) Do a wiring check between these pins of connector DM25002AA at the aft cargo system control shelf, E17-1 and connector DM25032 (WDM 25-53-25).

DM250	DM25032	
pin G7		pin 2
pin G5		pin 4

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- 9) If you find a problem with the wiring, do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DM25032.
 - c) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) Hold the joy-stick to AFT.
 - e) If the two left aft lateral guides move, you corrected the fault.
- 10) If you do not find a problem with the wiring, then continue.
- 11) Re-connect the connector, DM25032.
- 12) Install a new CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- 13) Hold the joy-stick to AFT.
- 14) If the two left aft lateral guides move, you corrected the fault.
- (e) If the aft lateral guide M25031 does not move, then continue.
- (f) Re-connect connector DM25032 to the aft lateral guide, M25032.
- (g) Disconnect connector DM25031 from the aft lateral guide, M25031.
- (h) Put a new lateral guide on the floor near the old one but do not install it yet.
- (i) Connect the connector DM25031 to the new lateral guide.
- (j) Hold the joy-stick to AFT.
- (k) If the new lateral guide moves, do these steps:
 - 1) Replace the aft lateral guide, M25031 with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- 2) Hold the joy-stick to AFT.
- 3) If the two left lateral guides move, you corrected the fault.
- (I) If the new lateral guide does not move, then continue.
- (m) Remove the CSC, M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- (n) Do a wiring check between these pins of connector DM25002AA at the aft cargo system control shelf, E17-1 and connector DM25031 (WDM 25-53-25).

DM25002AA		DM25031
pin E7		pin 2
pin E5		pin 4

- (o) If you find a problem with the wiring, then do these steps:
 - Repair the wiring.
 - Re-connect connector DM25031.
 - 3) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Hold the joy-stick to AFT.

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- 5) If the two left lateral guides move, you corrected the fault.
- (p) If you do not find a problem with the wiring, then do these steps:
 - 1) Install a new CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 2) Hold the joy-stick to AFT.
 - 3) If the two left aft lateral guides move, you corrected the fault.
- (4) If the two left aft lateral guides move, then continue.
- (5) Release the joy-stick.
- (6) Set the PDU LEFT/BOTH/RIGHT switch to RIGHT.
- (7) Hold the joy-stick to AFT.
- (8) If the two right aft lateral guides do not move, do these steps:
 - (a) Release the joy-stick.
 - (b) Disconnect connector DM25030 from the aft lateral guide, M25030.
 - (c) Hold the joy-stick to AFT.
 - (d) If the aft lateral guide M25029 moves, do these steps:
 - 1) Release the joy-stick.
 - 2) Put a new lateral guide on the floor near the old one but do not install it yet.
 - 3) Connect the connector DM25030 to the new lateral guide.
 - 4) Hold the joy-stick to AFT.
 - 5) If the new lateral guide moves, do these steps:
 - a) Replace the aft lateral guide M25030 with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- b) Hold the joy-stick to AFT.
- c) If the two right lateral guides move, you corrected the fault.
- 6) If the new lateral guide does not move, then continue.
- 7) Remove the CSC, M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 8) Do a wiring check between these pins of connector DM25002AA at the aft cargo system control shelf, E17-1 and connector DM25030 (WDM 25-53-25).

DM250	DM25030	
pin C7		pin 2
pin C5		pin 4

- 9) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.

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- b) Re-connect connector DM25030.
- c) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- d) Hold the joy-stick to AFT.



- e) If the two right lateral guides move, you corrected the fault.
- 10) If you do not find a problem with the wiring, then continue.
- 11) Re-connect connector DM25030.
- 12) Install a new CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- 13) Set the SYSTEM POWER switch to ON.
- 14) Hold the joy-stick to AFT.
- 15) If the two right lateral guides move, you corrected the fault.
- (e) If the aft lateral guide M25029 does not move, continue.
- (f) Re-connect connector DM25030.
- (g) Disconnect connector DM25029 from the aft lateral guide, M25029.
- (h) Put a new lateral guide on the floor near the old one but do not install it yet.
- (i) Connect the connector DM25029 to the new lateral guide.
- (j) Hold the joy-stick to AFT.
- (k) If the new lateral guide moves, do these steps:
 - 1) Replace the aft lateral guide M25029 with the new lateral guide.

These are the tasks:

Lateral Guide Removal, AMM TASK 25-53-23-000-801,

Lateral Guide Installation, AMM TASK 25-53-23-400-801.

- 2) Hold the joy-stick to AFT.
- 3) If the two right lateral guides move, you corrected the fault.
- (I) If the new lateral guide does not move, then continue.
- (m) Remove the CSC, M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- (n) Do a wiring check between these pins of connector DM25002AA at the aft cargo system control shelf, E17-1 and connector DM25029 (WDM 25-53-25).

DM250	DM25029	
pin A7		pin 2
pin A5		pin 4

- (o) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM25029.
 - 3) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Hold the joy-stick to AFT.
 - 5) If the two right lateral guides move, you corrected the fault.
- (p) If you do not find a problem with the wiring, then continue.
- (q) Re-connect connector DM25029.
- (r) Install a new CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

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- (s) Hold the joy-stick to AFT.
- (t) If the two right aft lateral guides move, you corrected the fault.

——— END OF TASK ———

835. Aft Cargo Compartment, Lateral Guide Power Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 804). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) If the powered drive units (PDUs) on the right side of the cargo compartment aft of the aft lateral guides move and the left PDUs do not move, then do these steps:
 - (a) Set the SYSTEM POWER switch to OFF.
 - (b) Replace the left system power relay, K25101 (WDM 25-53-21).
 - (c) Set the SYSTEM POWER switch to ON.
 - (d) Hold the joy-stick to AFT.
 - (e) If all of the aft lateral guides move, you corrected the fault.
- (2) If all of the PDUs aft of the aft lateral guides move, then continue.
- (3) Do a check of this circuit breaker:

Cargo Handling Accessory Panel - Aft, P39

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
Α	9	C25116	LATERAL GUIDES

- (4) If the circuit breaker is closed, then do these steps:
 - (a) Replace this circuit breaker:

(WDM 25-53-21)

Cargo Handling Accessory Panel - Aft, P39

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
Α	9	C25116	LATERAL GUIDES

- (b) Hold the joy-stick to AFT.
- (c) If all of the aft lateral guides move, you corrected the fault.
- (d) If all of the aft lateral guides do not move, then continue.
- (e) Do this check of the wiring:
 - 1) Remove the CSC, M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - 2) Do a check for 115 VAC at pin 18 of connector DM25002AC at the aft cargo system control shelf, E17-1 (WDM 25-53-21).
 - 3) If there is not 115 VAC at pin 18 of connector DM25002AC at the aft cargo system control shelf, E17-1, then do these steps:
 - a) Repair the wiring.
 - Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

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- c) Hold the joy-stick to AFT.
- d) If all of the aft lateral guides move, you corrected the fault.
- 4) If there is 115 VAC at pin 18 of connector DM25002AC at the aft cargo system control shelf, E17-1, then continue.
- 5) Install a new CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
- 6) Hold the joy-stick to AFT.
- 7) If all of the aft lateral guides move, you corrected the fault.
- (5) If the circuit breaker is open, then continue.
 - (a) Close this circuit breaker:

Cargo Handling Accessory Panel - Aft, P39

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
Α	9	C25116	LATERAL GUIDES

- (b) Hold the joy-stick to AFT.
- (c) If all of the aft lateral guides move, you corrected the fault.
- (d) If the circuit breaker opens again, do this check of the wiring:
 - 1) Do a check for 115 VAC at pin 1 for the lateral guides circuit breaker (WDM 25-53-21).
 - 2) If there is not 115 VAC, then continue.
 - 3) Disconnect the left system power relay, K25101 (WDM 25-53-21).
 - 4) Repair the wiring between pin B2 at the left system power relay, K25101 and this circuit breaker:

Cargo Handling Accessory Panel - Aft, P39

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
Α	9	C25116	LATERAL GUIDES

- 5) Re-connect the left system power relay, K25101.
- 6) Make sure that this circuit breaker is closed:

Cargo Handling Accessory Panel - Aft, P39

Row	<u>Col</u>	<u>Number</u>	<u>Name</u>
Α	9	C25116	LATERAL GUIDES

- Hold the joy-stick to AFT.
- 8) If all of the aft lateral guides move, you corrected the fault.

----- END OF TASK -----

836. Aft Cargo Compartment, Center Stop/Lock Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 805). You must do the Initial Evaluation before you do this task.

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B. Fault Isolation Procedure

- (1) If one of the center stop/locks moves to the unload position, but the other one does not, then do these steps:
 - (a) If there is unwanted material to prevent the movement of the center stop/lock, then do these steps:
 - 1) Clean the center stop/lock.
 - With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
 - 3) If the two center stop/locks move to the unload position, you corrected the fault.
 - 4) If the same center stop/lock does not move, then continue.
 - (b) Replace the center stop/lock.

These are the tasks:

Center Stop/Lock Removal, AMM TASK 25-53-24-000-809-003,

Center Stop/Lock Installation, AMM TASK 25-53-24-400-809-003.

- (c) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
- (d) If the two center stop/locks move to the unload position, you corrected the fault.
- (e) If the same center stop/lock does not move, then continue.
- (f) Do this check of the wiring:
 - 1) Remove the center stop/lock. To remove it, do this task: Center Stop/Lock Removal, AMM TASK 25-53-24-000-809-003.
 - 2) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - 3) Do a wiring check between the pins of the connector for the center stop/lock and the pins of the connector at the aft cargo system control shelf, E17-1 (WDM 25-53-24).
 - 4) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-install the center stop/lock. To install it, do this task: Center Stop/Lock Installation, AMM TASK 25-53-24-400-809-003.
 - c) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
 - e) If the two center stop/locks move to the unload position, you corrected the fault.
 - 5) If you do not find a problem with the wiring, then continue.
- (g) Replace the CSC, M25002.

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003,

Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

(h) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.

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- (i) If the two center stop/locks move to the unload position, you corrected the fault.
- (2) If the two center stop/locks stay in the lock position, then do these steps:
 - (a) Replace the STOP/LOCKS LOCK/UNLK switch, S25116 (WDM 25-53-22).
 - 1) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
 - 2) If the two center stop/locks move to the unload position, you corrected the fault.
 - 3) If the two center stop/locks stay in the lock position, then continue.
 - 4) Remove the CSC, M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - 5) Hold the STOP/LOCKS LOCK/UNLK switch to CTR.
 - 6) Do a continuity check from pin C11 of connector, DM25002AD at the aft cargo system control shelf, E17-1 to structure ground (WDM 25-53-22).
 - 7) Release the STOP/LOCKS LOCK/UNLK switch.
 - 8) If there is not continuity to structure ground while you hold the STOP/LOCKS LOCK/UNLK switch to CTR, then do these steps:
 - a) Repair the wiring between the STOP/LOCKS LOCK/UNLK switch and pin C11 of connector DM25002AD at the aft cargo system control shelf E17-1.
 - Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - c) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
 - d) If the two center stop/locks move to the unload position, you corrected the fault.
 - 9) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - (b) Remove the forward center stop/lock, M25033. To remove it, do this task: Center Stop/Lock Removal, AMM TASK 25-53-24-000-809-003.
 - (c) Move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
 - (d) If the aft center stop/lock M25034 does not move to the unload position when you operate the STOP/LOCKS LOCK/UNLK switch, then do these steps:
 - 1) Re-install the forward center stop/lock, M25033. To install it, do this task: Center Stop/Lock Installation, AMM TASK 25-53-24-400-809-003.
 - 2) Replace the aft center stop/lock, M25034.

These are the tasks:

Center Stop/Lock Removal, AMM TASK 25-53-24-000-809-003,

Center Stop/Lock Installation, AMM TASK 25-53-24-400-809-003.

- 3) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
- 4) If the two center stop/locks move to the unload position, you corrected the fault.
- 5) If the two center stop/locks stay in the lock position, then continue.
- 6) Remove the aft center stop/lock, M25034. To remove it, do this task: Center Stop/Lock Removal, AMM TASK 25-53-24-000-809-003.

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- 7) Remove the CSC, M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 8) Do a wiring check between these pins of connector DM25002AB at the aft cargo system control shelf, E17-1 and connector DM25034A for the aft center stop/lock (WDM 25-53-24):

DM2500	2AB	DM25034A
pin D2		pin 2
pin D5		pin 3
pin D8		pin 4

- 9) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-install the aft center stop/lock, M25034. To install it, do this task: Center Stop/Lock Installation, AMM TASK 25-53-24-400-809-003.
 - c) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
 - If the two center stop/locks move to the unload position, you corrected the fault.
- 10) If you do not find a problem with the wiring, then continue.
- 11) Replace the CSC, M25002.

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003, Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- 12) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
- If the two center stop/locks move to the unload position, you corrected the fault.
- (e) If the aft center stop/lock M25034 moves to the unload position when you operate the STOP/LOCKS LOCK/UNLK switch, then do these steps:
 - 1) Replace the forward center stop/lock, M25033.

These are the tasks:

Center Stop/Lock Removal, AMM TASK 25-53-24-000-809-003,

Center Stop/Lock Installation, AMM TASK 25-53-24-400-809-003.

- 2) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
- 3) If the two center stop/locks move to the unload position, you corrected the fault.
- 4) If the two center stop/locks stay in the lock position, then continue.
- 5) Remove the CSC, M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 6) Remove the forward center stop/lock, M25033. To remove it, do this task: Center Stop/Lock Removal, AMM TASK 25-53-24-000-809-003.

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7) Do a wiring check between these pins of connector DM25002AB at the aft cargo system control shelf, E17-1 and connector DM25033A for the forward center stop/lock (WDM 25-53-24).

DM25002AB	DM25033A
pin B2	pin 2
pin B5	pin 3
pin B8	pin 4

- 8) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-install the forward center stop/lock, M25033. To install it, do this task: Center Stop/Lock Installation, AMM TASK 25-53-24-400-809-003.
 - c) Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - d) With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
 - e) If the two center stop/locks move to the unload position, you corrected the fault.
- 9) If you did not find a problem with the wiring, then continue.
- 10) Replace the CSC, M25002.

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003, Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- With the center stop/locks in the lock position, move the STOP/LOCKS LOCK/UNLK switch to CTR and release.
- 12) If the two center stop/locks move to the unload position, you corrected the fault.



839. Aft Cargo Compartment, Retractable Guide Roller/Lock Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 806). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- Examine the retractable guide roller/lock to see if there is unwanted material that can prevent the movement.
 - (a) If there is unwanted material that can prevent the movement of the retractable guide roller/lock, then do these steps:
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Clean the retractable guide roller/lock.
 - 3) Manually put the retractable guide roller/lock in the lock position.
 - 4) Set the SYSTEM POWER switch to ON.
 - If the retractable guide roller/lock moves to the load position, you corrected the fault.

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- (b) If there is not unwanted material that can prevent the movement of the retractable guide roller/lock, then continue.
- (2) Replace the retractable guide roller/lock, M25023.

These are the tasks:

Retractable Guide Roller/Lock Removal, AMM TASK 25-53-13-000-805-003,

Retractable Guide Roller/Lock Installation, AMM TASK 25-53-13-400-805-003.

- (a) Manually put the new retractable guide roller/lock in the lock position.
- (b) Set the LOCK/LOAD/UNLOAD switch to LOCK.
- (c) Set the SYSTEM POWER switch to ON.
- (d) Set the LOCK/LOAD/UNLOAD switch to LOAD.
- (e) If the retractable guide roller/lock moves to the load position, you corrected the fault.
- (f) If the retractable guide roller/lock does not move to the load position, then continue.
- (3) Do this check of the wiring:
 - (a) Remove the retractable guide roller/lock, M25023. To remove it, do this task: Retractable Guide Roller/Lock Removal, AMM TASK 25-53-13-000-805-003.
 - (b) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (c) Do a wiring check between these pins of connector DM25002AB at the aft cargo system control shelf, E17-1 and connector DM25023A for the retractable guide roller/lock (WDM 25-53-23):

DM25002AB		DM25023A
pin G1		pin 2
pin G4		pin 3
pin G7		pin 4

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - Re-install the retractable guide roller/lock, M25023. To install it, do this task: Retractable Guide Roller/Lock Installation, AMM TASK 25-53-13-400-805-003.
 - Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Manually put the retractable guide roller/lock in the lock position.
 - 5) Set the LOCK/LOAD/UNLOAD switch to LOCK.
 - 6) Set the SYSTEM POWER switch to ON.
 - 7) Set the LOCK/LOAD/UNLOAD switch to LOAD.
 - 8) If the retractable guide roller/lock moves to the load position, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-install the retractable guide roller/lock, M25023. To install it, do this task: Retractable Guide Roller/Lock Installation, AMM TASK 25-53-13-400-805-003.
- (4) Replace the CSC, M25002.

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003,

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Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- (a) Manually put the retractable guide roller/lock in the lock position.
- (b) Set the LOCK/LOAD/UNLOAD switch to LOCK.
- (c) Set the SYSTEM POWER switch to ON.
- (d) Set the LOCK/LOAD/UNLOAD switch to LOAD.
- (e) If the retractable guide roller/lock moves to the load position, you corrected the fault.

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840. Aft Cargo Compartment, Rollout Stop/Lock Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 806). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Examine the rollout stop/lock to see if there is unwanted material that can prevent the movement.
 - (a) If there is unwanted material to prevent the movement of the rollout stop/lock, then do these steps:
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Clean the rollout stop/lock.
 - 3) Manually put the rollout stop/lock in the lock position.
 - 4) Set the SYSTEM POWER switch to ON.
 - 5) If the rollout stop/lock moves to the load position, you corrected the fault.
 - (b) If there is not unwanted material that can prevent the movement of the rollout stop/lock, then continue.
- (2) Replace the rollout stop/lock.

These are the tasks:

Rollout Stop/Lock Removal, AMM TASK 25-53-11-000-805-003.

Rollout Stop/Lock Installation, AMM TASK 25-53-11-400-805-003.

- (a) Manually put the new rollout stop/lock in the lock position.
- (b) Set the LOCK/LOAD/UNLOAD switch to LOCK.
- (c) Set the SYSTEM POWER switch to ON.
- (d) Set the LOCK/LOAD/UNLOAD switch to LOAD.
- (e) If the rollout stop/lock moves to the load position, you corrected the fault.
- (f) If the rollout stop/lock does not move to the load position, then continue.
- (3) Do this check of the wiring:
 - (a) Remove the rollout stop/lock. To remove it, do this task: Rollout Stop/Lock Removal, AMM TASK 25-53-11-000-805-003.
 - (b) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - (c) Do a wiring check between the pins of connector DM25002AB at the aft cargo system control shelf, E17-1 and the connector for the rollout stop/lock (WDM 25-53-23).

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- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the rollout stop/lock. To install it, do this task: Rollout Stop/Lock Installation, AMM TASK 25-53-11-400-805-003.
 - Re-install the CSC, M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - 4) Manually put the rollout stop/lock in the lock position.
 - 5) Set the LOCK/LOAD/UNLOAD switch to LOCK.
 - 6) Set the SYSTEM POWER switch to ON.
 - 7) Set the LOCK/LOAD/UNLOAD switch to LOAD.
 - 8) If the rollout stop/lock moves to the load position, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-install the rollout stop/lock. To install it, do this task: Rollout Stop/Lock Installation, AMM TASK 25-53-11-400-805-003.
- (4) Replace the CSC, M25002.

These are the tasks:

Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003,

Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.

- (a) Manually put the rollout stop/lock in the lock position.
- (b) Set the LOCK/LOAD/UNLOAD switch to LOCK.
- (c) Set the SYSTEM POWER switch to ON.
- (d) Set the LOCK/LOAD/UNLOAD switch to LOAD.
- (e) If the rollout stop/lock moves to the load position, you corrected the fault.



843. Forward Cargo Compartment, Control Panel Light Problems - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 808). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Hold the joy-stick to FWD for 5 seconds, and then release it.
 - (a) If all of the aft PDUs (that are related to the light that did not come on) move, then do these steps:
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Replace the light (LED) that did not come on.
 - 3) Set the SYSTEM POWER switch to ON.
 - If the bay on lights on the control panel come on, then you corrected the problem.
 - 5) If the bay on lights on the control panel DO NOT all come on, then do a check of the wiring for the light (LED) that did not come on (WDM 25-53-12).
 - (b) If all of the aft PDUs did NOT move (while you held the joy-stick), then do these steps:
 - 1) Set the SYSTEM POWER switch to OFF.

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- Remove the cargo system controller (CSC), M25001. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
- 3) Do a check for continuity to structure ground from pin A11 of connector DM25001AD (the CSC connector).
 - NOTE: This is to find if the CSC is receiving the correct forward or aft signal from the FWD/AFT switch on the control panel.
- 4) If there IS NOT continuity to ground at pin A11, then do these steps:
 - NOTE: If there is not continuity then the CSC is receiving the correct aft signal.
 - NOTE: The cargo system controller (CSC) should power-up with all of the cargo bays on, even if a BAY OFF SWITCH is stuck in the closed position. Thus, if the bay on light(s) and the PDU(s) do not operate after the SYSTEM POWER switch is set to ON (with the FWD/AFT switch set to aft), the CSC has a problem.
 - Install a new cargo system controller (CSC), M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - b) Set the SYSTEM POWER switch to ON.
 - c) If the bay on lights on the control panel come on, then you corrected the problem.
- 5) If there IS continuity to ground at pin A11, then do these steps:
 - NOTE: There should not be a ground on this pin with the FWD/AFT switch set to AFT.
 - a) Replace FWD/AFT switch, S25005, on the cargo control panel (WDM 25-53-12).
 - b) Re-install the cargo system controller (CSC), M25001. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - c) Set the SYSTEM POWER switch to ON.
 - d) If the bay on lights on the control panel come on, then you corrected the problem.
 - e) If the bay on lights DO NOT come on, then continue.
 - f) Repair the wiring between these pins of connector DM25001AD (the CSC connector) and the FWD/AFT switch, S25005, (WDM 25-53-12).

DM25001AD	S25005
pin A11	term 3

——— END OF TASK ———

844. Aft Cargo Compartment, Control Panel Light Problems (Forward Bay) - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 809). You must do the Initial Evaluation before you do this task.

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B. Fault Isolation Procedure

- (1) Hold the joy-stick to FWD for 5 seconds, and then release it.
 - (a) If all of the PDUs (that are related to the light that did not come on) move, then do these steps:
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Replace the light (LED) that did not come on.
 - 3) Set the SYSTEM POWER switch to ON.
 - 4) If the forward bay on lights on the control panel come on, then you corrected the problem.
 - 5) If the forward bay on lights on the control panel DO NOT all come on, then do a check of the wiring for the light (LED) that did not come on (WDM 25-53-22).
 - (b) If all of the aft PDUs did NOT move (while you held the joy-stick), then do these steps:
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - 3) Do a check for continuity to structure ground from pin A11 of connector DM25002AD (the CSC connector).
 - NOTE: This is to find if the CSC is receiving the correct forward or aft signal from the FWD/AFT switch on the control panel.
 - 4) If there IS NOT continuity to ground at pin A11, then do these steps:
 - NOTE: If there is not continuity then the CSC is receiving the correct forward signal.
 - NOTE: The cargo system controller (CSC) should power-up with all of the cargo bays on, even if a BAY OFF SWITCH is stuck in the closed position. Thus if the forward bay on lights and the PDUs do not all operate after the SYSTEM POWER switch is set to ON, the CSC has a problem.
 - a) Install a new cargo system controller (CSC), M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - b) Set the SYSTEM POWER switch to ON.
 - If the forward bay on lights on the control panel come on, then you corrected the problem.
 - 5) If there IS continuity to ground at pin A11, then do these steps below:
 - NOTE: There should not be a ground on this pin with the FWD/AFT switch set to FWD.
 - a) Replace FWD/AFT switch, S25105, on the cargo control panel (WDM 25-53-22).
 - b) Re-install the cargo system controller (CSC), M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - Set the SYSTEM POWER switch to ON.
 - d) If the forward bay on lights on the control panel come on, then you corrected the problem.
 - e) If the forward bay on lights DO NOT come on, then continue.

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f) Repair the wiring between these pins of connector DM25002AD (the CSC connector) and the FWD/AFT switch, S25105, (WDM 25-53-22).

DM2500	S25105	
pin A11		term 1

----- END OF TASK -----

845. Aft Cargo Compartment, Control Panel Light Problems (Aft Bays) - Fault Isolation

A. Initial Evaluation

NOTE: The Initial Evaluation for this procedure is in a different task (25-53 TASK 809). You must do the Initial Evaluation before you do this task.

B. Fault Isolation Procedure

- (1) Hold the joy-stick to FWD for 5 seconds, and then release it.
 - (a) If all of the PDUs (that are related to the light that did not come on) move, then do these steps:
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Replace the light (LED) that did not come on.
 - 3) Set the SYSTEM POWER switch to ON.
 - 4) If the aft bay on lights on the control panel come on, then you corrected the problem.
 - 5) If the aft bay on lights on the control panel DO NOT all come on, then do a check of the wiring for the light (LED) that did not come on (WDM 25-53-22).
 - (b) If all of the aft PDUs did NOT move (while you held the joy-stick), then do these steps:
 - 1) Set the SYSTEM POWER switch to OFF.
 - 2) Remove the cargo system controller (CSC), M25002. To remove it, do this task: Cargo System Controller (CSC) Removal, AMM TASK 25-53-33-000-804-003.
 - Do a check for continuity to structure ground from pin A11 of connector DM25002AD (the CSC connector).
 - NOTE: This is to find if the CSC is receiving the correct forward or aft signal from the FWD/AFT switch on the control panel.
 - 4) If there IS continuity to ground at pin A11, then do these steps:
 - NOTE: If there is continuity then the CSC is receiving the correct forward signal.
 - NOTE: The cargo system controller (CSC) should power-up with all of the cargo bays on, even if a BAY OFF SWITCH is stuck in the closed position. Thus if the aft bay on lights and the PDUs do not all operate after the SYSTEM POWER switch is set to ON, the CSC has a problem.
 - a) Install a new cargo system controller (CSC), M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - b) Set the SYSTEM POWER switch to ON.
 - c) If the aft bay on lights on the control panel come on, then you corrected the problem.

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- 5) If there IS NOT continuity to ground at pin A11, then do these steps:
 - NOTE: There should be a ground on this pin with the FWD/AFT switch set to AFT.
 - a) Replace FWD/AFT switch, S25105, on the cargo control panel (WDM 25-53-22).
 - b) Re-install the cargo system controller (CSC), M25002. To install it, do this task: Cargo System Controller (CSC) Installation, AMM TASK 25-53-33-400-804-003.
 - c) Set the SYSTEM POWER switch to ON.
 - d) If the aft bay on lights on the control panel come on, then you corrected the problem.
 - e) If the aft bay on lights DO NOT come on, then continue.
 - f) Repair the wiring between these pins of connector DM25002AD (the CSC connector) and the FWD/AFT switch, S25105, (WDM 25-53-22).

DM25002AD	S25105
pin A11	term 1
——— END OF TASK —	

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· EFFECTIVITY ·



802. Procedure by Airline Method - Fault Isolation

	Α.	Initial	Eval	luation
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NOTE: Use the standard method of your airline to correct this fault.

----- END OF TASK -----

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25-98 TASK 802