



EMB145 - EMB135

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MAINTENANCE MANUAL

**COCKPIT/PASSENGER CABIN PARTITION - REMOVAL/INSTALLATION**

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the cockpit/passenger cabin partition.
- B. The cockpit/passenger cabin partition is installed between the cockpit and the passenger cabin, in zones 223, 224, 225, and 226.
- C. The cockpit/passenger cabin partition contains the cockpit door assembly, LH partition assembly, RH partition assembly, forward shroud assembly, RH shroud assembly, access panel assembly, electrical installation, and a relay-box access panel assembly.
- D. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

| TASK NUMBER        | DESCRIPTION                                      | EFFECTIVITY |
|--------------------|--|-------------|
| 25-27-01-000-801-A | COCKPIT/PASSENGER CABIN PARTITION - REMOVAL      | ALL         |
| 25-27-01-400-801-A | COCKPIT/PASSENGER CABIN PARTITION - INSTALLATION | ALL         |



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TASK 25-27-01-000-801-A

EFFECTIVITY: ALL

2. COCKPIT/PASSENGER CABIN PARTITION - REMOVAL

A. General

(1) This task gives the procedures to remove the cockpit/pasenger cabin partition.

B. References

| REFERENCE                       | DESIGNATION                               |
|---------------------------------|---|
| AMM TASK 21-60-02-000-801-A/400 | AMBIENT TEMPERATURE SENSORS - REMOVAL     |
| AMM TASK 23-13-04-000-801-A/400 | -   |
| AMM TASK 25-11-02-000-801-A/400 | OBSERVER SEAT - REMOVAL                   |
| AMM TASK 25-12-01-000-801-A/400 | COCKPIT LINING - REMOVAL                  |
| AMM TASK 25-12-04-000-801-A/400 | RH AFT CONSOLE - REMOVAL                  |
| AMM TASK 25-12-05-000-801-A/400 | LH AFT CONSOLE - REMOVAL                  |
| AMM TASK 25-21-02-000-801-A/400 | FLIGHT ATTENDANT SEAT - REMOVAL           |
| AMM TASK 25-21-02-000-802-A/400 | -   |
| AMM TASK 25-26-02-000-801-A/400 | -   |
| AMM TASK 25-26-02-000-802-A/400 | -   |
| AMM TASK 25-30-05-000-802-A/400 | OUTBOARD GALLEY - REMOVAL                 |
| AMM TASK 33-23-08-000-801-A/400 | STERILE LIGHT ASSEMBLY AND LAMP - REMOVAL |
| AMM TASK 33-50-16-000-801-A/400 | FLASHLIGHT ASSEMBLY - REMOVAL             |
| TASK 25-30-05-000-801-A         | -   |

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

| QTY | FUNCTION      | PLACE           |
|-----|---------------|-----------------|
| 1   | Does the task | Passenger cabin |

I. Preparation ([Figure 401](#))

SUBTASK 841-002-A

**CAUTION:** ALWAYS USE INSULATED TOOLS WHEN YOU WORK ON OR NEAR ELECTRICAL CIRCUITS.

- (1) Make sure that the aircraft is safe for maintenance.
- (2) On the overhead panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them:
  - (a) PASS OXY DEPLOY 1
  - (b) PASS OXY DEPLOY 2
- (3) Inside the cockpit.
  - (a) Remove the RH and LH aft console ([AMM TASK 25-12-04-000-801-A/400](#)) and ([AMM TASK 25-12-05-000-801-A/400](#)).
  - (b) Remove the RH and LH ceiling lining panels ([AMM TASK 25-12-01-000-801-A/400](#)).
  - (c) Remove the observer seat ([AMM TASK 25-11-02-000-801-A/400](#)).

**WARNING: CAREFULLY, IF YOU DO NOT REMOVE THE PARTS DESCRIBED BELOW, HOLD FIRMLY THE COCKPIT/PASSENGER CABIN PARTITION DURING ITS REMOVAL TO PREVENT DAMAGES.**

- (d) Remove the items described below just if necessary. The removal of these parts are recommended in order to prevent damage to them during the cockpit/pasenger cabin removal.
  - 1 Remove the flashlight ([AMM TASK 33-50-16-000-801-A/400](#)).
  - 2 Remove the handset and cradle (AMM TASK 23-13-04-000-801-A/400), as applicable.
  - 3 Remove the PBE from the PBE compartment.
  - 4 Removed the ambient temperature sensor ([AMM TASK 21-60-02-000-801-A/400](#)).
  - 5 Remove the spare bulbs box.
- (4) On the cabin passenger side:
  - (a) Remove the outboard galley (TASK 25-30-05-000-801-A) or ([AMM TASK 25-30-05-000-802-A/400](#)), as applicable.
  - (b) Remove the RH wardrobe (AMM TASK 25-26-02-000-801-A/400) or (AMM TASK 25-26-02-000-802-A/400), as applicable.
  - (c) Remove the flight attendant seat ([AMM TASK 25-21-02-000-801-A/400](#)) or (AMM TASK 25-21-02-000-802-A/400), as applicable.



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- (d) Remove the sterile light ( [AMM TASK 33-23-08-000-801-A/400](#)).

J. Removal ([Figure 401](#))

SUBTASK 020-003-A

- (1) Remove the screws (11) and washers (10) that attach the cockpit door assembly (5). Refer to DET. B, Figure 401, sheet 1.
- (2) Remove the screws (4) that attach the header assembly (2). Refer to DET. B, Figure 401, sheet 1.
- (3) Remove the screws (7) and (8) that attach the step (6) to the entrance of the cockpit. Refer to DET. A, Figure 401, sheet 1.
- (4) Disconnect the electrical connector (9). Refer to DET. A, Figure 401, sheet 1.
- (5) Disconnect the electrical connector (16). Refer to DET. D, Figure 401, sheet 2.
- (6) On the LH partition, for aircraft with airstairs main door, remove the main door shroud (12) with the screws (13) and washers (14). Refer to DET. D, Figure 401, sheet 2.
- (7) Remove the screws (21) that attach the cover plate (20). Refer to DET. D, Figure 401, sheet 2.
- (8) Remove the electrical installation if applicable, as follows.
  - (a) Remove the screws (31) and washers (32) that attach the shroud (30). Refer to VIEW F, Figure 401, sheet 2.
  - (b) Remove the electrical connector (19) that attach the harness assembly (17). Refer to DET. C, Figure 401, sheet 2.
  - (c) Remove the cable tiedown straps from the cable tie mounts (18).
- (9) Release the bolts (22) and (25) that attach the floor brackets (24) and (27) to the LH partition assembly. Refer to DET. D, Figure 401, sheet 2.
- (10) Remove the screws (28) that attach the pin (29). Refer to VIEW F, Figure 401, sheet 2.

**CAUTION: TO PREVENT INJURY TO THE PERSONS HOLD THE PARTITION WHEN YOU REMOVE THE BOLTS.**

- (11) Remove the bolts (22) and (25), and the washers (23) and (26) that attach the floor brackets (24) and (27) to the LH partition assembly. Refer to DET. D, Figure 401, sheet 2.
- (12) Remove the LH partition.
- (13) **NOTE:** For aircraft with RH wardrobe, do the step below:  
On the RH partition, remove the screws (39) and washers (38) that attach the access panel (37). Refer to DET. C, Figure 401, sheet 3.
- (14) Remove the screws (35) and washers (34) that attach the RH shroud assembly (36). Refer to DET. C, Figure 401, sheet 3.



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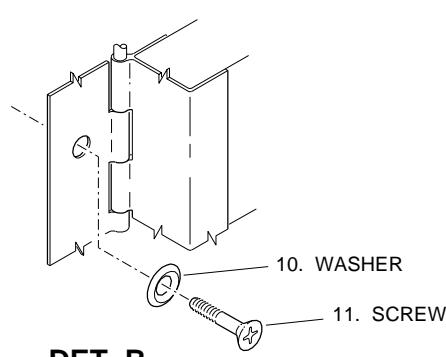
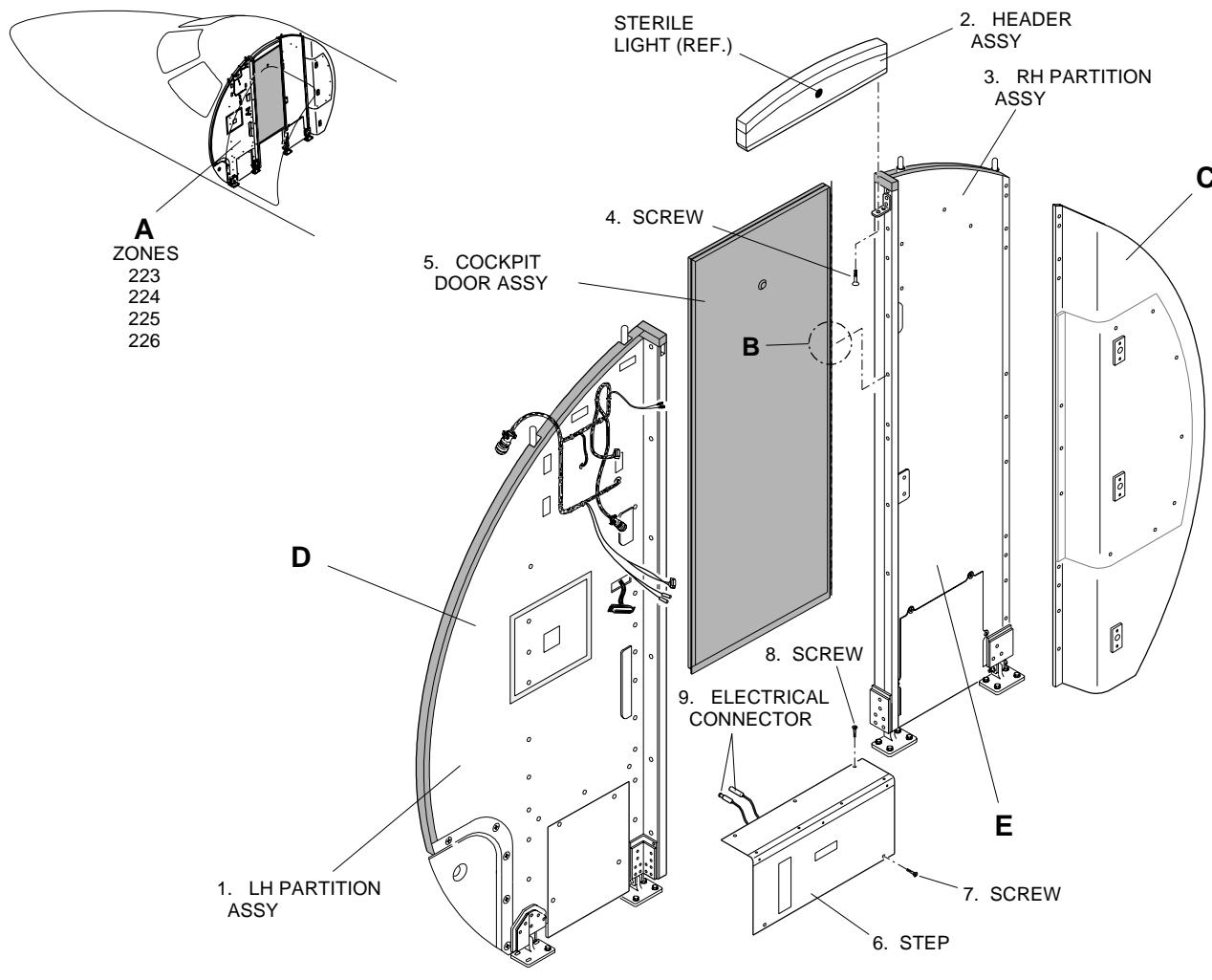
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- (15) Remove the screws (51) and washers (52) that attach the forward shroud assembly (53). Refer to VIEW G, Figure 401, sheet 3.
- (16) Remove the screws (41) and washers (40) that attach the relay box access panel assembly (42). Refer to DET. E, Figure 401, sheet 3.
- (17) Release the bolts (46) and (48) that attach the floor brackets (43) and (44) to the RH partition assembly. Refer to DET. E, Figure 401, sheet 3.
- (18) Remove the screws (50) that attach the pin (49). Refer to VIEW G, Figure 401, sheet 3.
- (19) Remove the bolts (46) and (48), and the washers (45) and (47) that attach the floor brackets (43) and (44) to the RH partition assembly. Refer to DET. E, Figure 401, sheet 3.
- (20) Remove the RH partition.

**EFFECTIVITY: ALL**

Cockpit/Passenger Cabin Partition – Removal/Installation

Figure 401 - Sheet 1

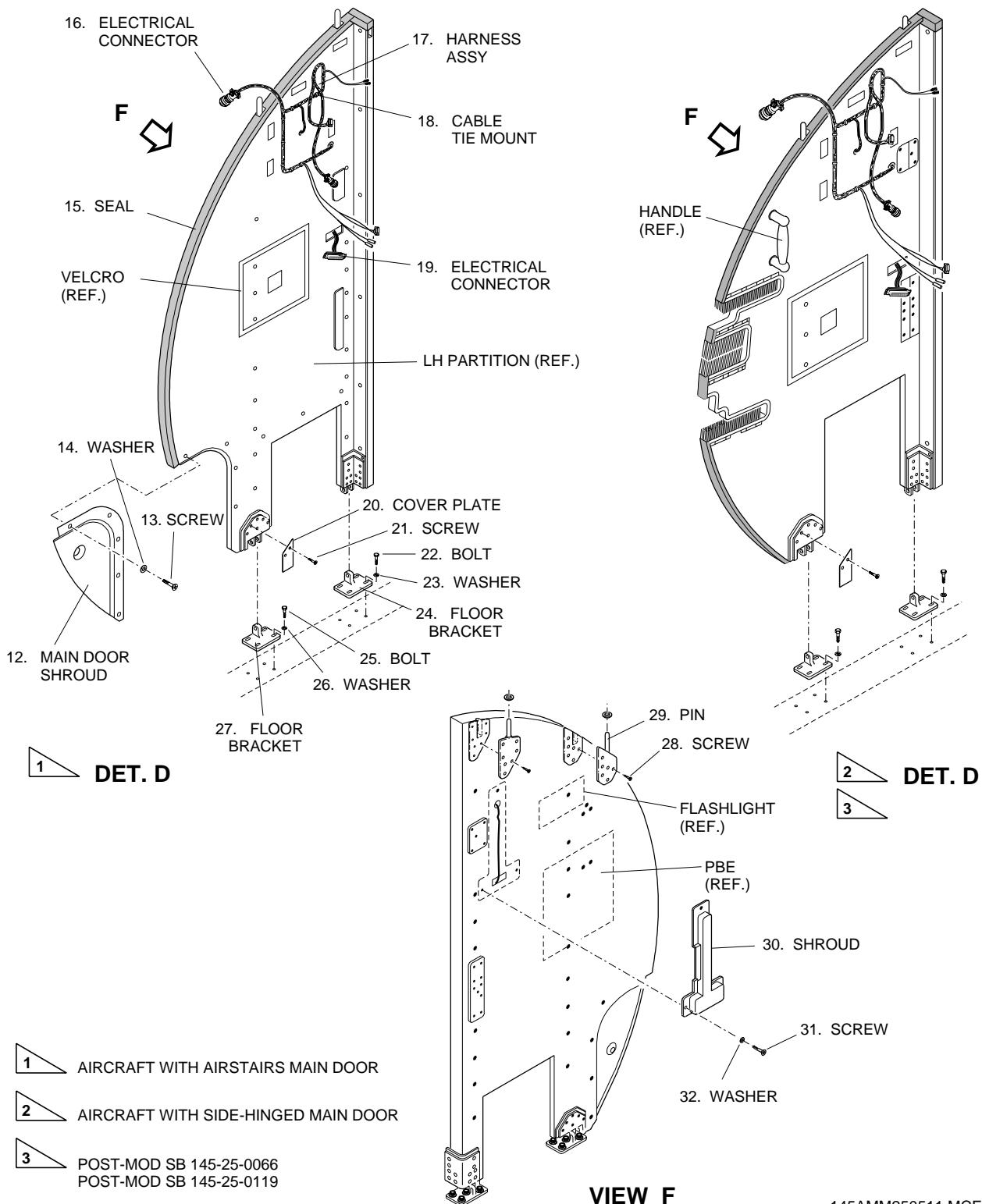


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**EFFECTIVITY: ALL**

Cockpit/Passenger Cabin Partition – Removal/Installation

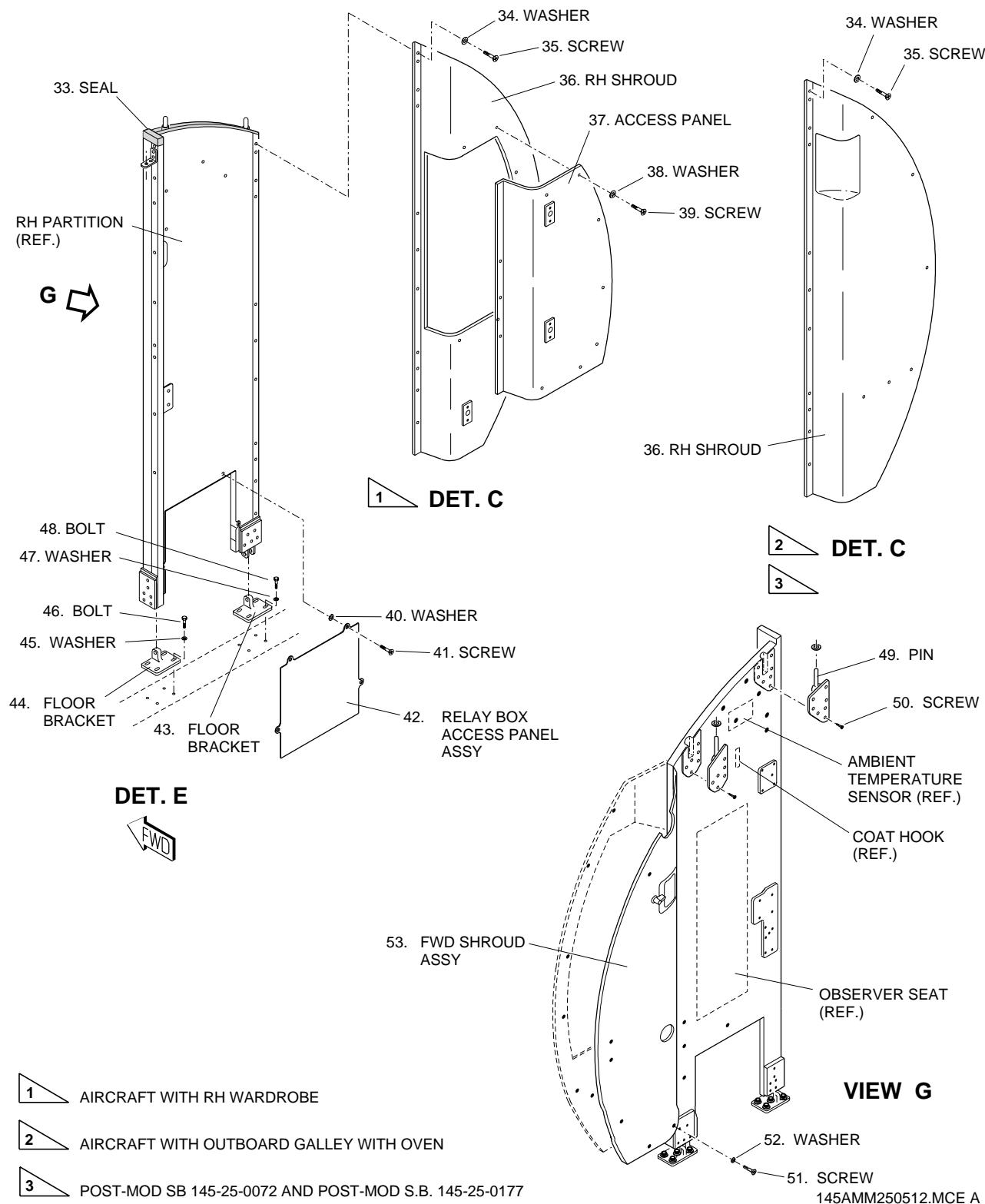
Figure 401 - Sheet 2



**EFFECTIVITY: ALL**

Cockpit/Passenger Cabin Partition – Removal/Installation

Figure 401 - Sheet 3



**TASK 25-27-01-400-801-A**
*EFFECTIVITY: ALL*
**3. COCKPIT/PASSENGER CABIN PARTITION - INSTALLATION**
**A. General**

(1) This task gives the procedures for the installation of the cockpit/passenger cabin partition.

**B. References**

| <i>REFERENCE</i>                | <i>DESIGNATION</i>                             |
|---------------------------------|--|
| AMM TASK 21-60-02-400-801-A/400 | AMBIENT TEMPERATURE SENSORS - INSTALLATION     |
| AMM TASK 23-13-04-400-801-A/400 | -  |
| AMM TASK 25-11-02-400-801-A/400 | OBSERVER SEAT - INSTALLATION                   |
| AMM TASK 25-12-01-400-801-A/400 | COCKPIT LINING - INSTALLATION                  |
| AMM TASK 25-12-04-400-801-A/400 | RH AFT CONSOLE - INSTALLATION                  |
| AMM TASK 25-12-05-400-801-A/400 | LH AFT CONSOLE - INSTALLATION                  |
| AMM TASK 25-21-02-400-801-A/400 | FLIGHT ATTENDANT SEAT - INSTALLATION           |
| AMM TASK 25-21-02-400-802-A/400 | -  |
| AMM TASK 25-26-02-400-801-A/400 | -  |
| AMM TASK 25-26-02-400-802-A/400 | -  |
| AMM TASK 25-30-05-400-802-A/400 | OUTBOARD GALLEY - INSTALLATION                 |
| AMM TASK 33-23-08-400-801-A/400 | STERILE LIGHT ASSEMBLY AND LAMP - INSTALLATION |
| AMM TASK 33-50-16-400-801-A/400 | FLASHLIGHT ASSEMBLY - INSTALLATION             |
| TASK 25-30-05-400-801-A         | -  |

**C. Zones and Accesses**

Not Applicable

**D. Tools and Equipment**

Not Applicable

**E. Auxiliary Items**

Not Applicable

**F. Consumable Materials**

| <i>SPECIFICATION<br/>(BRAND)</i> | <i>DESCRIPTION</i>  | <i>QTY</i> |
|----------------------------------|---------------------|------------|
| V300-1(80)-100FR                 | Velcro hook tape    | AR         |
| MIL-S-23190                      | Cable tiedown strap | AR         |

**G. Expandable Parts**

Not Applicable



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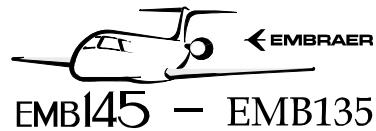
## H. Persons Recommended

| QTY | FUNCTION      | PLACE           |
|-----|---------------|-----------------|
| 1   | Does the task | Passenger cabin |

## I. Installation (Figure 401)

## SUBTASK 420-004-A

- (1) On the RH partition assembly, tighten the bolts (46) and (48), and the washers (45) and (47) of the floor brackets (43) and (44). Refer to DET. E, Figure 401, sheet 3.
- (2) **NOTE:** Do not tighten the bolts and screws totally, until the LH and RH partition installation is completed.  
Tighten the screws (50) that attach the pin (49). Refer to VIEW G, Figure 401, sheet 3.
- (3) Assemble the LH partition assembly (1) as follows. Refer to DET. D, Figure 401, sheet 2.  
**NOTE:** Replace the Velcro tape on the LH partition assembly if it is damaged or worn.
  - (a) Assemble the electrical installation as follows, if applicable.
    - 1 Install the cable tie down straps on the cable tie mounts (18). Refer to DET. D, Figure 401, sheet 2.
    - 2 Install the shroud (30) with the screws (31) and the washers (32). Refer to VIEW F, Figure 401, sheet 2.
    - 3 Install the harness assembly (17) and connect it to the electrical connector (19). Refer to DET. D, Figure 401, sheet 2.
  - (4) On the LH partition assembly, tighten the bolts (22) and (25) and the washers (23) and (26) of the floor brackets (24) and (27). Refer to DET. D, Figure 401, sheet 2.
  - (5) Tighten the screws (28) that attach the pin (29). Refer to VIEW F, Figure 401, sheet 2.
  - (6) Install the header assembly (2) with the screws (4). Refer to DET. A, Figure 401, sheet 1.
  - (7) Install the step (6) to the entrance of the cockpit with the screws (7) and (8).
  - (8) Connect the electrical connector (9). Refer to DET. A, Figure 401, sheet 1.
  - (9) Connect the electrical connector (16). Refer to DET. D, Figure 401, sheet 2.
  - (10) Install the forward shroud assembly (53) with screws (51) and washers (52). Refer to VIEW G, Figure 401, sheet 3.
  - (11) Install the RH shroud assembly (36) with the screws (35) and washers (34). Refer to DET. C, Figure 401, sheet 3.
  - (12) **NOTE:** For aircraft with RH wardrobe do the step bellow:



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Install the access panel assembly (37) with the screws (39) and the washers (38). Refer to DET. C, Figure 401, sheet 3.

- (13) Install the relay box access panel assembly (42) with screws (41) and the washers (40). Refer to DET. E, Figure 401, sheet 3.
- (14) For aircraft with airstairs main door, install the main door shroud (12) with the screws (13) and washers (14).
- (15) Install the cover plate (20) and attach it with the screws (21). Refer to DET. D, Figure 401, sheet 2.
- (16) Tighten the bolts and screws totally to complete the installation of the LH and the RH partition.
- (17) Install the cockpit door assembly (5) and attach with the screws (11) and washers (10). Refer to DET. B, Figure 401, Sheet 1.

**NOTE:** • Make sure that the door and latch operate correctly.  
• For aircraft with reinforced cockpit door, use the CMM 52-51-11 to make sure that the door and latch operate correctly.

J. Follow-on

SUBTASK 842-003-A

**CAUTION:** ALWAYS USE INSULATED TOOLS WHEN YOU WORK ON OR NEAR ELECTRICAL CIRCUITS.

- (1) Make sure that the aircraft is safe for maintenance.
- (2) On the circuit breaker panel:
  - (a) Close the PASS OXYGEN DEPLOY 1 circuit breaker and attach a DO-NOT-CLOSE tag to it.
  - (b) Close the PASS OXYGEN DEPLOY 2 circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (3) On the cabin passenger side:
  - (a) Install the sterile light ([AMM TASK 33-23-08-400-801-A/400](#)), if applicable.
  - (b) Install the flight attendant seat ([AMM TASK 25-21-02-400-801-A/400](#)) or ([AMM TASK 25-21-02-400-802-A/400](#)), as applicable.
  - (c) Install the RH wardrobe ([AMM TASK 25-26-02-400-801-A/400](#)) or ([AMM TASK 25-26-02-400-802-A/400](#)), as applicable.
  - (d) Install the outboard galley ([TASK 25-30-05-400-801-A](#)) or ([AMM TASK 25-30-05-400-802-A/400](#)), as applicable.
- (4) Inside the cockpit:
  - (a) Install the RH and LH aft console ([AMM TASK 25-12-04-400-801-A/400](#)) and ([AMM TASK 25-12-05-400-801-A/400](#)).



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- (b) Install the RH and LH ceiling lining panels ( [AMM TASK 25-12-01-400-801-A/400](#)).
- (c) Install the observer seat ( [AMM TASK 25-11-02-400-801-A/400](#)).
- (d) If you removed the handset and cradle, install it back (AMM TASK 23-13-04-400-801-A/400).
- (e) If you removed the flashlight, install it back ( [AMM TASK 33-50-16-400-801-A/400](#)).
- (f) If you removed the PBE, install it back in the PBE compartment.
- (g) If you removed the spare bulbs box, install it back.
- (h) If you removed the ambient temperature sensor, install it back ( [AMM TASK 21-60-02-400-801-A/400](#)).