



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

PASSENGER-CABIN FLOOR PANELS - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the procedures to remove and install the Passenger-Cabin Floor Panels.
- B. 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
53-01-02-000-801-A	PASSENGER-CABIN FLOOR PANELS - REMOVAL	ACFT MODEL(S) EMB-145
53-01-02-400-801-A	PASSENGER-CABIN FLOOR PANELS - INSTALLATION	ACFT MODEL(S) EMB-145



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TASK 53-01-02-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. PASSENGER-CABIN FLOOR PANELS - REMOVAL

A. General

(1) This task gives the instructions to remove the Passenger-Cabin Floor Panels.

B. References

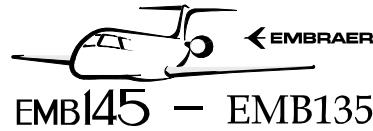
REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
AMM TASK 25-21-01-000-801-A/400	-
<b>AMM TASK 25-21-02-000-801-A/400</b>	FLIGHT ATTENDANT SEAT - REMOVAL
<b>AMM TASK 25-21-03-000-801-A/400</b>	OPTIONAL FLIGHT ATTENDANT SEAT - REMOVAL
<b>AMM TASK 25-24-01-000-801-A/400</b>	PASSENGER-CABIN FLOOR LINING - REMOVAL
AMM TASK 25-26-02-000-801-A/400	-
AMM TASK 25-26-03-000-801-A/400	-
AMM TASK 25-26-04-000-801-A/400	-
<b>AMM TASK 25-27-03-000-801-A/400</b>	TOILET PARTITION - REMOVAL
AMM TASK 25-27-04-000-801-A/400	-
AMM TASK 25-30-01-000-801-A/400	-
AMM TASK 25-30-01-000-802-A/400	-
AMM TASK 25-30-01-000-803-A/400	-
AMM TASK 25-30-02-000-801-A/400	-
<b>AMM TASK 25-30-05-000-802-A/400</b>	OUTBOARD GALLEY - REMOVAL
AMM TASK 25-40-01-000-801-A/400	-
AMM TASK 33-50-12-000-801-A/400	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
130		Fuselage center section I
140		Fuselage center section II
150		Fuselage center section III
160		Fuselage center section IV

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque wrench	To tighten the screws	



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## E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Protective Gloves	For protection of technician's hands	1
Commercially available	Safety Goggles	For protection of technician's eyes	1

## F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-PRF-680, TYPE I	Solvent or equivalent	AR
TT-I-735	Isopropyl alcohol	AR

## G. Expandable Parts

Not Applicable

## H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	In the passenger cabin

## I. Preparation

## SUBTASK 841-014-A

- (1) Remove the Passenger Seats (AMM TASK 25-21-01-000-801-A/400) to remove floor panels 241AF, 241CF, 241EF, 251AF, 251CF, 251EF, 251GF, 251JF, 261AF, and 261CF on the LH side, 242AF, 242BF, 242CF, 242DF, 252AF, 252BF, 252CF, 252DF, 262AF, and 262BF on the RH side, and, if applicable, 231EF and 231HF on the LH side. Refer to AMM MPP 06-41-02/100.
- (2) Remove the Optional Flight Attendant Seat ( AMM TASK 25-21-03-000-801-A/400) to remove floor panel 262BF. Refer to AMM MPP 06-41-02/100.
- (3) Remove the Toilet Partition ( AMM TASK 25-27-03-000-801-A/400) to remove floor panel 262CF. Refer to AMM MPP 06-41-02/100.
- (4) Remove the Lavatory (AMM TASK 25-40-01-000-801-A/400) to remove floor panels 262CF and 261DF. Refer to AMM MPP 06-41-02/100.
- (5) Remove the Floor Proximity Strip Lights (AMM TASK 33-50-12-000-801-A/400) to remove floor panels 231GF, 241BF, 241DF, 251BF, 251DF, 251FF, 251HF, and 261BF. Refer to AMM MPP 06-41-02/100.
- (6) Remove the LH Windscreen (AMM TASK 25-27-04-000-801-A/400) to remove the floor panel 231JF. Refer to AMM MPP 06-41-02/100.
- (7) Remove the LH Wardrobe (AMM TASK 25-26-04-000-801-A/400) to remove floor panel 231EF, if applicable. Refer to AMM MPP 06-41-02/100.

- (8) For aircraft with Airstairs Door, remove the Emergency Equipment Stowage Unit (AMM TASK 25-26-03-000-801-A/400) to remove floor panel 231DF and 231EF, if applicable. Refer to AMM MPP 06-41-02/100.
- (9) For aircraft with Side-Hinged Main Door, remove the Emergency Equipment Stowage Unit (AMM TASK 25-26-03-000-801-A/400) to remove floor panel 231EF and 231JF, if applicable. Refer to AMM MPP 06-41-02/100.
- (10) For aircraft with Airstairs Door, remove the Flight Attendant Seat ( **AMM TASK 25-21-02-000-801-A/400**) to remove floor panels 231CF and 231BF. Refer to AMM MPP 06-41-02/100.
- (11) For aircraft with Side-Hinged Main Door, remove the Flight Attendant Seat ( **AMM TASK 25-21-02-000-801-A/400**) to remove floor panels 231JF and 231BF. Refer to AMM MPP 06-41-02/100.
- (12) Remove the RH Wardrobe (AMM TASK 25-26-02-000-801-A/400) or the Outboard Galley Assembly ( **AMM TASK 25-30-05-000-802-A/400**), as applicable, to remove floor panel 232AF. Refer to AMM MPP 06-41-02/100.
- (13) Remove the Forward Galley Assembly (AMM TASK 25-30-01-000-801-A/400) or (AMM TASK 25-30-01-000-802-A/400) or (AMM TASK 25-30-01-000-803-A/400), as applicable, to remove floor panel 232BF. Refer to AMM MPP 06-41-02/100.
- (14) Remove the Aft Galley Assembly (AMM TASK 25-30-02-000-801-A/400) to remove floor panel 232DF. Refer to AMM MPP 06-41-02/100.
- (15) Remove the Passenger-Cabin Floor Lining ( **AMM TASK 25-24-01-000-801-A/400**) to remove all passenger-cabin floor panels. Refer to AMM MPP 06-41-02/100.

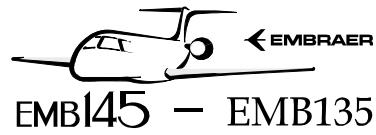
J. Removal ([Figure 401](#)) ([Figure 402](#)) ([Figure 403](#))

**SUBTASK 020-014-A**

- (1) Remove the white adhesive tapes and discard them. For aircraft with Airstairs Door, refer to [Figure 402](#). For aircraft with Side-Hinged Main Door, refer to [Figure 403](#).
- (2) Remove the screws (1) that attach the floor panel (2) to the passenger-cabin floor beams.
- (3) Remove the floor panel (2).
- (4) Examine the polyethylene tape on floor panels for general condition. If it is necessary, replace the tape with a new one.
  - (a) Discard the old polyethylene tape.

**WARNING: MIL-PRF-680 TYPE I SOLVENT IS CLASSIFIED AS A FLAMMABLE PRODUCT, DO NOT USE IN TEMPERATURES ABOVE 38°C (100°F). ASSURE PROPER VENTILATION TO USE IN ANY AIRCRAFT AREA.**

- (5) With a cloth soaked in solvent, clean the surface butt straps of floor structure for remove the old CIC.

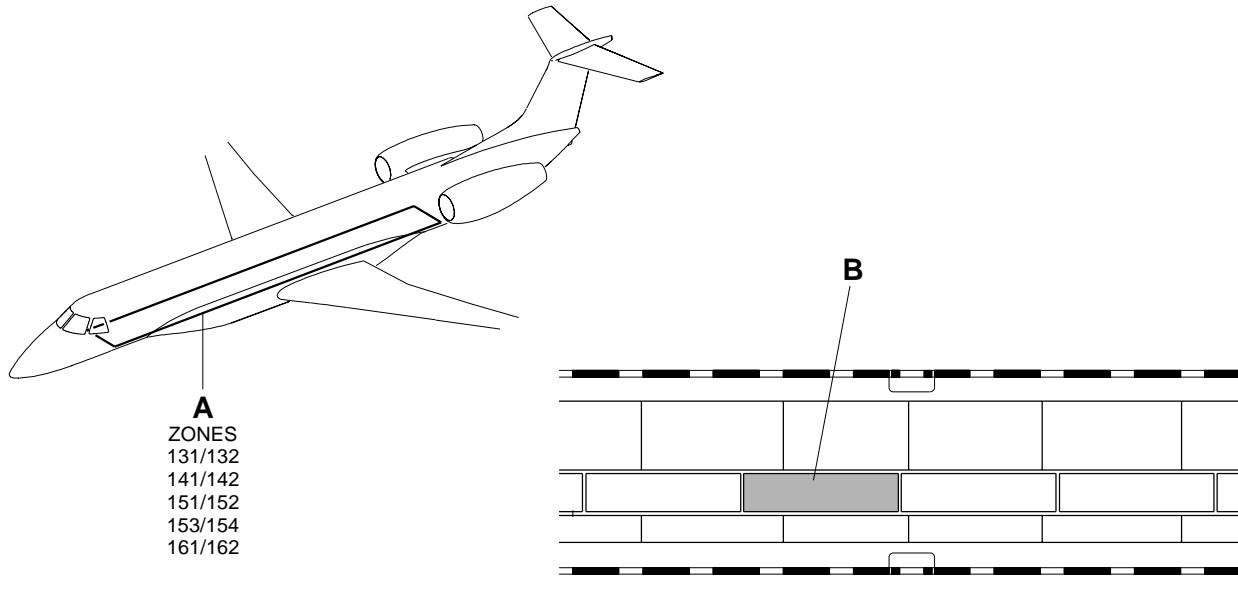


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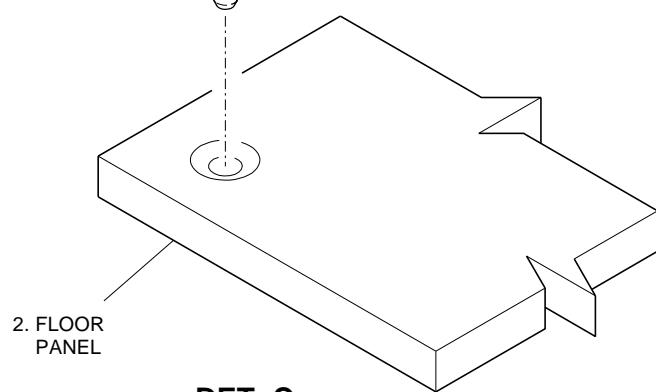
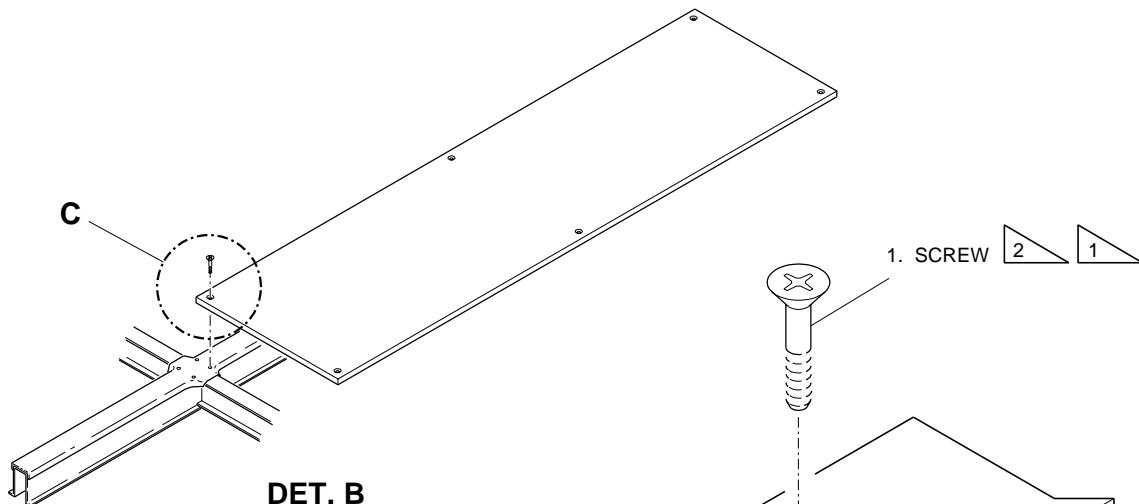
**WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.**

- (6) With a clean cloth soaked in Isopropyl alcohol, clean all floor panels where the work will be done.

**EFFECTIVITY: ACFT MODEL(S) EMB-145**  
**Passenger-Cabin Floor Panels - Removal/Installation**  
**Figure 401**



**DET. A**

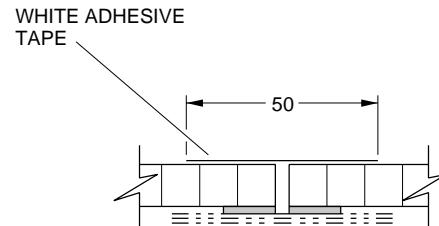
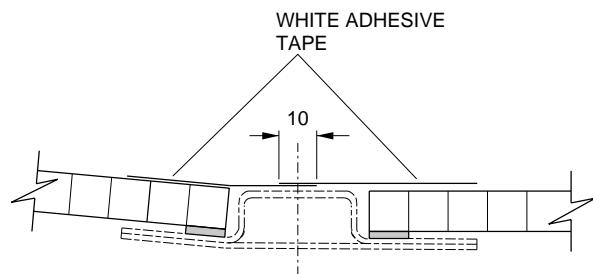
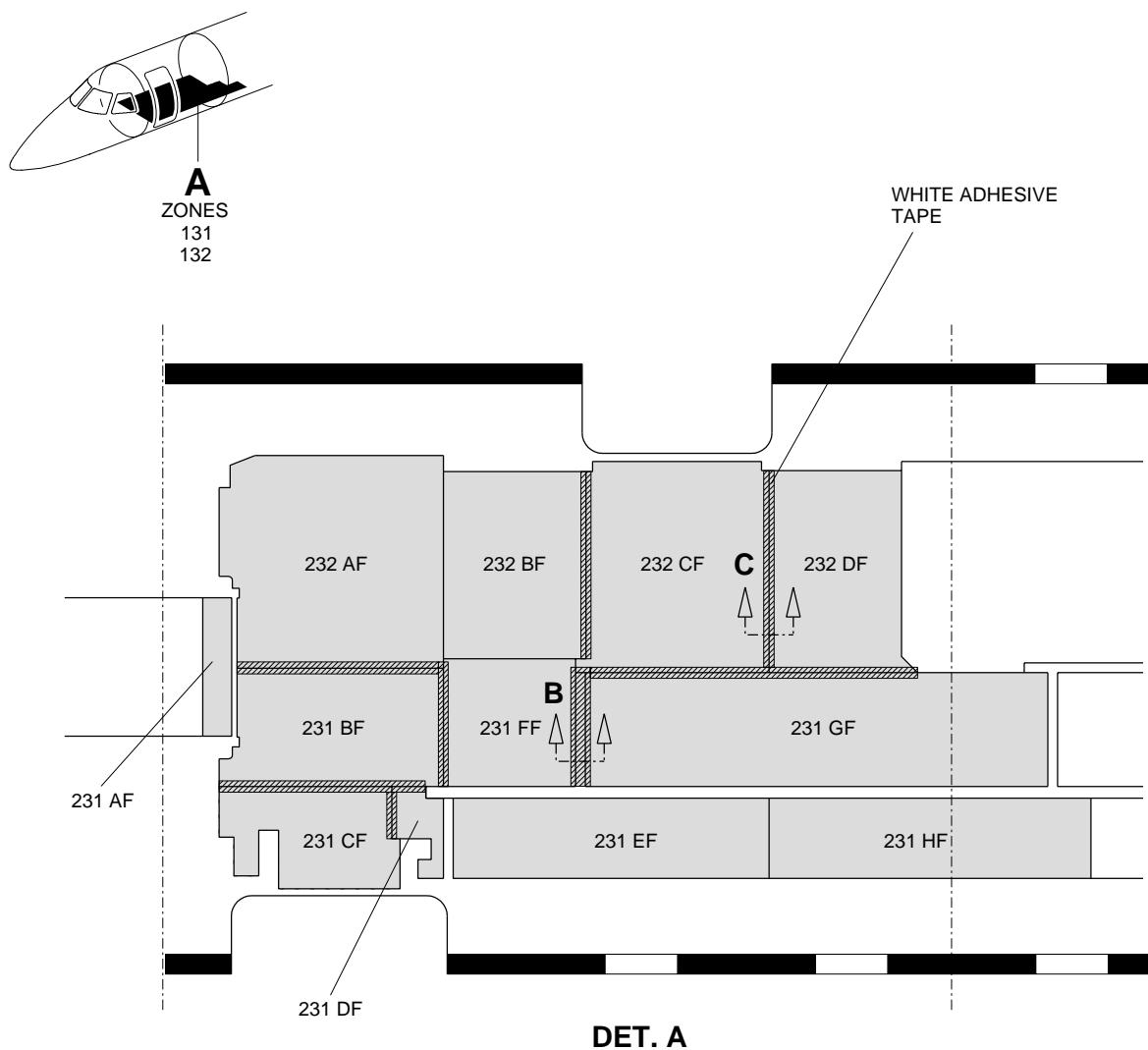


1 TORQUE: 1.8–2.9 N.m (16–26 lb.in)

2 THE SCREWS MUST BE WET WITH COR-BAN 27L.

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**EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR**  
**White Adhesive Tape - Removal/Installation**  
**Figure 402**

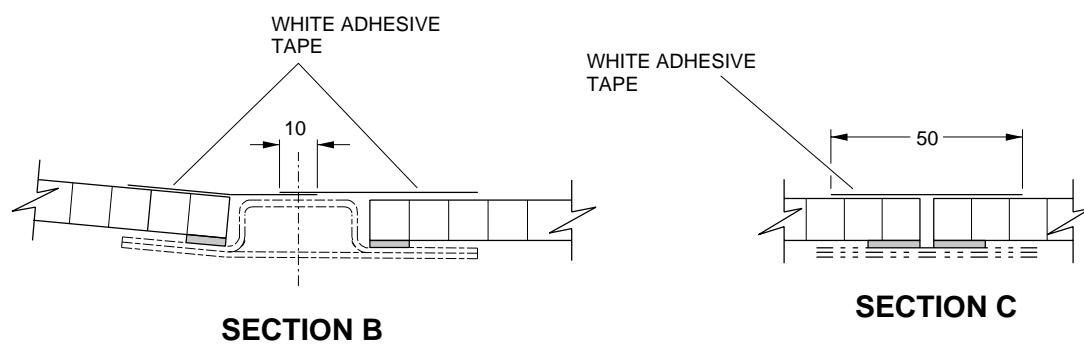
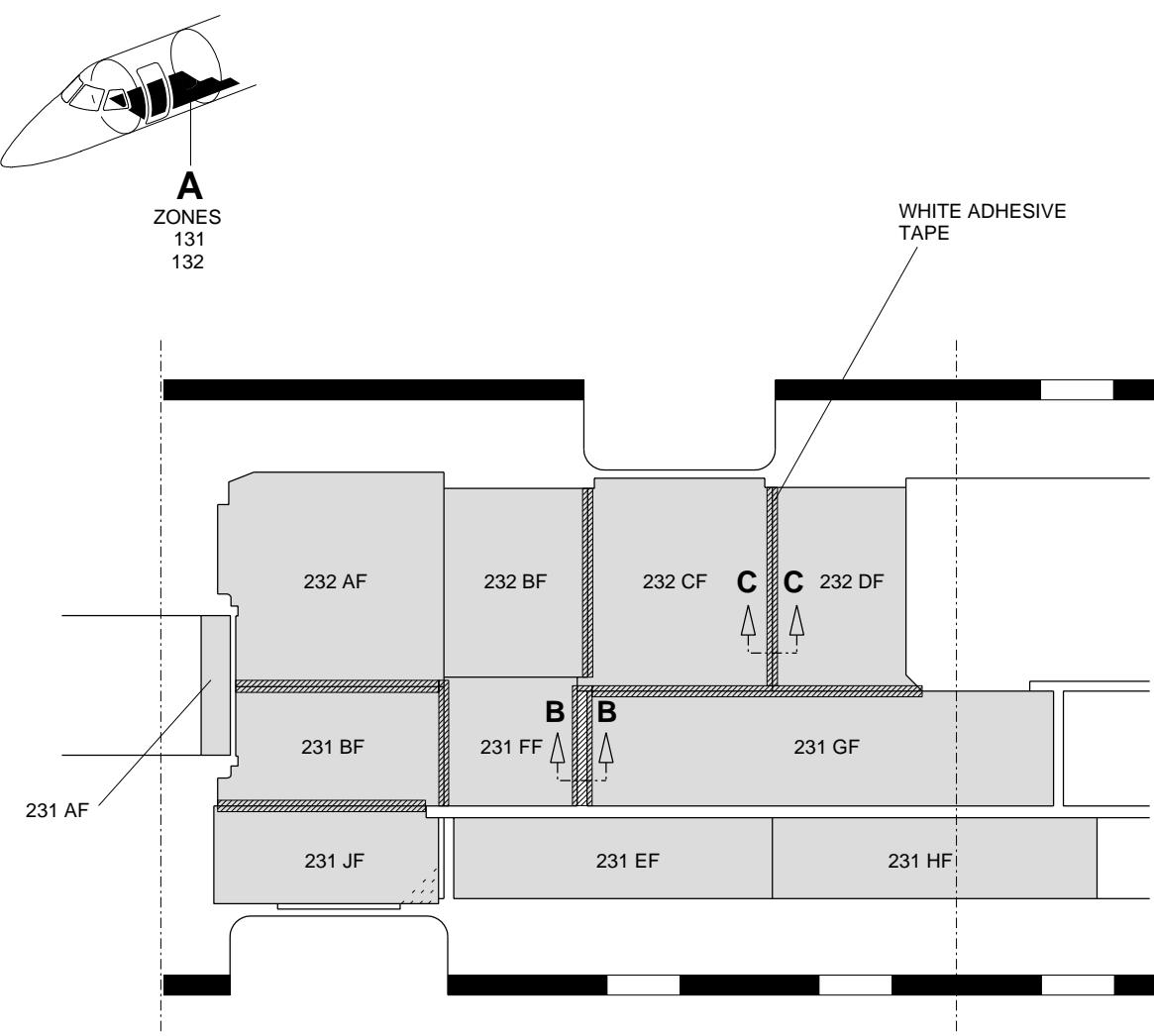


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**EFFECTIVITY: AIRCRAFT WITH SIDE-HINGED MAIN DOOR**

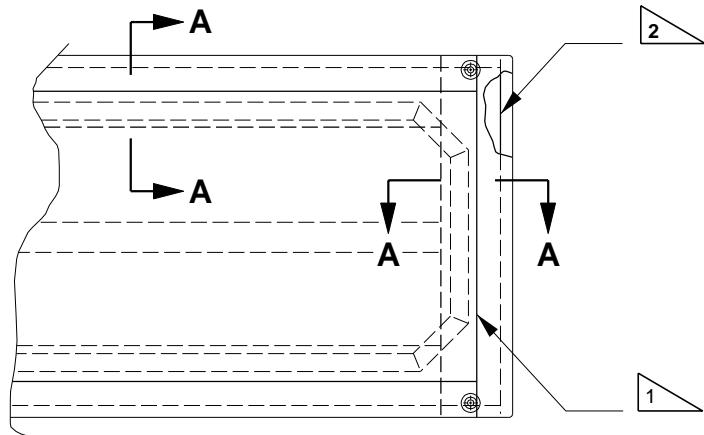
White Adhesive Tape - Removal/Installation

Figure 403

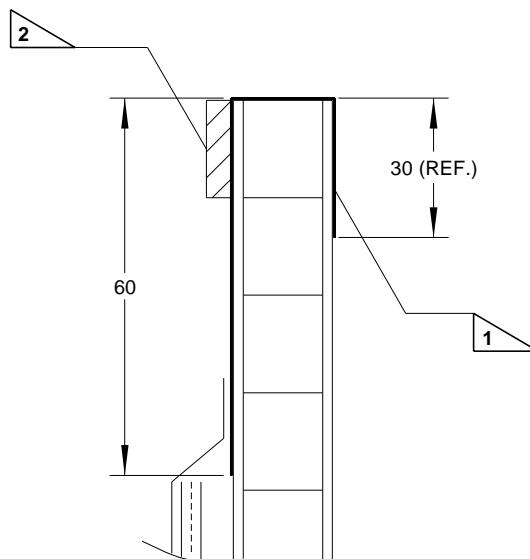


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**EFFECTIVITY: ACFT MODEL(S) EMB-145**  
**Floor Panel Protection to Prevent Corrosion**  
**Figure 404 - Sheet 1**



**TYPICAL DETAIL**



**SECTION AA**

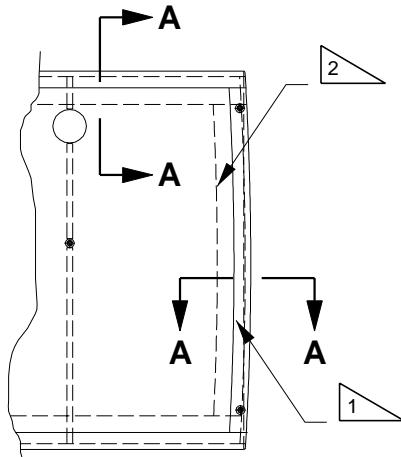
 **1** INSTALL ADHESIVE POLYETHYLENE TAPE ALONG THE CONTOUR OF THE FLOOR PANELS AS INDICATED

 **2** INSTALL A BLACK FOAM SHAPE ALONG THE CONTOUR OF THE FLOOR PANELS AS INDICATED

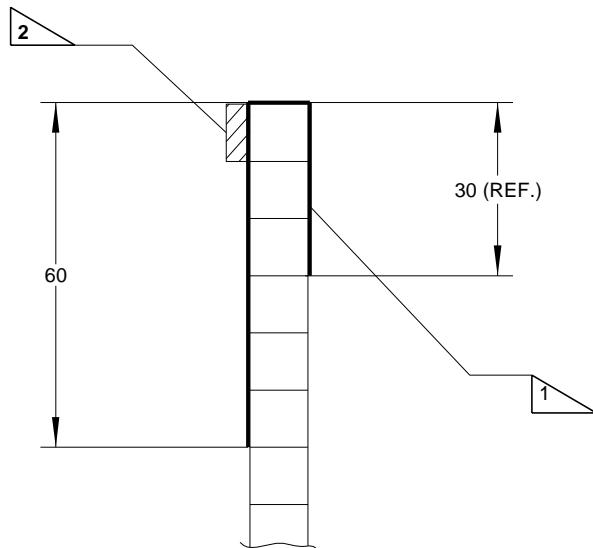
DIMENSIONS IN mm

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**EFFECTIVITY: ACFT MODEL(S) EMB-145**  
 Floor Panel Protection to Prevent Corrosion  
 Figure 404 - Sheet 2



**TYPICAL DETAIL**



**SECTION AA**



INSTALL ADHESIVE POLYETHYLENE TAPE ALONG THE CONTOUR OF THE FLOOR PANELS AS INDICATED



INSTALL A BLACK FOAM SHAPE ALONG THE CONTOUR OF THE FLOOR PANELS AS INDICATED

DIMENSIONS IN mm

145AMM530280.MCE

**TASK 53-01-02-400-801-A**
*EFFECTIVITY: ACFT MODEL(S) EMB-145*
**3. PASSENGER-CABIN FLOOR PANELS - INSTALLATION**
**A. General**

- (1) This task gives the instructions to install the Passenger-Cabin Floor Panels.

**B. References**

<i>REFERENCE</i>	<i>DESIGNATION</i>
53-01-00	-
AMM MPP 06-41-02/100	-
AMM TASK 25-21-01-400-801-A/400	-
<b>AMM TASK 25-21-02-400-801-A/400</b>	FLIGHT ATTENDANT SEAT - INSTALLATION
<b>AMM TASK 25-21-03-400-801-A/400</b>	OPTIONAL FLIGHT ATTENDANT SEAT - INSTALLATION
<b>AMM TASK 25-24-01-400-801-A/400</b>	PASSENGER-CABIN FLOOR LINING - INSTALLATION
AMM TASK 25-26-02-400-801-A/400	-
AMM TASK 25-26-03-400-801-A/400	-
AMM TASK 25-26-04-400-801-A/400	-
<b>AMM TASK 25-27-03-400-801-A/400</b>	TOILET PARTITION - INSTALLATION
AMM TASK 25-27-04-400-801-A/400	-
AMM TASK 25-30-01-400-801-A/400	-
AMM TASK 25-30-01-400-802-A/400	-
AMM TASK 25-30-01-400-803-A/400	-
AMM TASK 25-30-02-400-801-A/400	-
<b>AMM TASK 25-30-05-400-802-A/400</b>	OUTBOARD GALLEY - INSTALLATION
AMM TASK 25-40-01-400-801-A/400	-
AMM TASK 28-41-00-200-801-A/600	-
AMM TASK 33-50-12-400-801-A/400	-
CPM 51-61-00	-
IPC 53-01-02	PASSENGER CABIN FLOOR
<b>S.B.145-53-0026</b>	-

**C. Zones and Accesses**

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
130		Fuselage center section I
140		Fuselage center section II
150		Fuselage center section III
160		Fuselage center section IV



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**D. Tools and Equipment**

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque wrench	To tighten the screws	
Commercially available	Acrylic spatula	To install polyurethane film	

**E. Auxiliary Items**

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Protective Gloves	For protection of technician's hands	1
Commercially available	Safety Goggles	For protection of technician's eyes	1

**F. Consumable Materials**

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MEP 09-075	Corrosion-Inhibiting Compound (COR-BAN 27L)	AR
MEP 10-063	Corrosion-Inhibiting Compound (Dinitrol AV-30)	AR
TT-I-735	Isopropyl alcohol	AR
MIL-PRF-680, TYPE I	Solvent or equivalent	AR

**G. Expendable Parts**

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
White adhesive tape	IPC 53-01-02	AR
PI335 Preto AE-AA3x20MM (Black foam shape)	IPC 53-01-02	AR
Strip-N-Stick 200A (Black foam shape)	IPC 53-01-02	AR
5421-100 mm (Polyethylene Tape)	IPC 53-01-02	AR
Floor Panel	53-01-00	AR

**H. Persons Recommended**

QTY	FUNCTION	PLACE
1	Does the task	In the passenger cabin

**I. Installation (Figure 401) (Figure 402) (Figure 403) (Figure 404)**

**SUBTASK 420-014-A**

- (1) For aircraft POST-MOD. [S.B.145-53-0026](#), do the steps below:
  - (a) Examine the polyethylene tape on the butt straps on floor structure at the Galley and Toilet areas for general conditions. If it is necessary to replace the polyethylene tape, do this step:

- 1 Apply Dinitrol AV-30 and the new polyethylene tape on the butt straps of floor structure in the Galley and Toilet areas according to CPM 51-61-00.
  - (b) Examine the black foam shape on the floor panels edges at the Galley and Toilet areas for general conditions. If it is damaged refer to (Figure 404) and do the steps below:
    - 1 Cut the damaged portion of the black foam shape (3 x 20 mm) and discard it.  
  
NOTE: Make sure that the polyethylene tape is not damaged.

**WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.**

    - 2 With a clean cloth soaked in Isopropyl alcohol, clean all floor panels where the work will be done.
    - 3 Install a new portion of the black foam shape (3 x 20 mm).
  - (c) Examine the polyethylene tape on the floor panels edges at the Galley and Toilet areas for general conditions. If it is damaged refer to (Figure 404) and do these steps:
    - 1 Discard the old polyethylene tape and the black foam shape (3 x 20 mm).  
  
**WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.**
    - 2 With a clean cloth soaked in Isopropyl alcohol, clean all floor panels where the work will be done.
    - 3 Apply the new polyethylene tape and, with aid of an acrylic spatula, remove the bubbles.  
  
NOTE: Protect with the same tape the bottom part of the floor panel insert which will be in contact with the floor structure.
    - 4 Install a new portion of the black foam shape (3 x 20 mm).
- (2) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).  
  
NOTE: The inspection of the fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations (Section 6) of the Maintenance Review Board Report (MRB).
- (3) Install the floor panel (2).

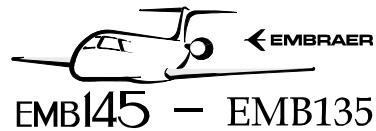
**WARNING: COR-BAN 27L IS TOXIC TO SKIN, EYES, AND RESPIRATORY TRACT.**  
**USE PVC GLOVES AND EYE PROTECTION. USE ONLY IN WELL VENTILATED AREAS. OBEY THE MANUFACTURER'S HEALTH AND SAFETY INSTRUCTIONS.**

- (4) Install the screws (1) that attach the floor panel (2) to the passenger-cabin floor beams. The screws must be wet with COR-BAN 27L.
- (5) Tighten the screws (1).  
**NOTE:** Apply torque of 1.8 - 2.9 N.m (16 - 26 lbf.in).
- (6) Install the new white adhesive tapes. For aircraft with Airstairs Door, refer to (Figure 402). For aircraft with Side-Hinged Main Door, refer to (Figure 403).

J. Follow-on

**SUBTASK 842-014-A**

- (1) Install the Lavatory (AMM TASK 25-40-01-400-801-A/400) after the installation of floor panels 262CF and 261DF. Refer to AMM MPP 06-41-02/100.
- (2) Install the Toilet Partition ( [AMM TASK 25-27-03-400-801-A/400](#)) after the installation of floor panel 262CF. Refer to AMM MPP 06-41-02/100.
- (3) Install the Passenger-Cabin Floor Lining ( [AMM TASK 25-24-01-400-801-A/400](#)) after the installation of all passenger-cabin floor panels. Refer to AMM MPP 06-41-02/100.
- (4) Install the Floor Proximity Strip Lights (AMM TASK 33-50-12-400-801-A/400) after the installation of floor panels 231GF, 241BF, 241DF, 251BF, 251DF, 251FF, 251HF, and 261BF. Refer to AMM MPP 06-41-02/100.
- (5) Install the Passenger Seats (AMM TASK 25-21-01-400-801-A/400) after the installation of floor panels 241AF, 241CF, 241EF, 251AF, 251CF, 251EF, 251GF, 251JF, 261AF, and 261CF on the LH side, 242AF, 242BF, 242CF, 242DF, 252AF, 252BF, 252CF, 252DF, 262AF, and 262BF on the RH side, and, if applicable, 231EF and 231HF on the LH side. Refer to AMM MPP 06-41-02/100.
- (6) Install the Optional Flight Attendant Seat ( [AMM TASK 25-21-03-400-801-A/400](#)) after the installation of floor panel 262BF. Refer to AMM MPP 06-41-02/100.
- (7) Install the LH Wardrobe (AMM TASK 25-26-04-400-801-A/400) after the installation of floor panel 231EF, if applicable. Refer to AMM MPP 06-41-02/100.
- (8) Install the LH Windscreen (AMM TASK 25-27-04-400-801-A/400) after the installation of floor panel 231JF. Refer to AMM MPP 06-41-02/100.
- (9) For aircraft with Airstairs Door, install the Emergency Equipment Stowage Unit (AMM TASK 25-26-03-400-801-A/400) after the installation of floor panel 231DF and 231EF, if applicable. Refer to AMM MPP 06-41-02/100.
- (10) For aircraft with Side-Hinged Main Door, install the Emergency Equipment Stowage Unit (AMM TASK 25-26-03-400-801-A/400) after the installation of floor panel 231EF and 231JF, if applicable. Refer to AMM MPP 06-41-02/100.



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- (11) For aircraft with Airstairs Door, install the Flight Attendant Seat ([AMM TASK 25-21-02-400-801-A/400](#)) after the installation of floor panels 231CF and 231BF. Refer to AMM MPP 06-41-02/100.
- (12) For aircraft with Side-Hinged Main Door, install the Flight Attendant Seat ([AMM TASK 25-21-02-400-801-A/400](#)) after the installation of floor panels 231JF and 231BF. Refer to AMM MPP 06-41-02/100.
- (13) Install the RH Wardrobe (AMM TASK 25-26-02-400-801-A/400) or the Outboard Galley Assembly ([AMM TASK 25-30-05-400-802-A/400](#)), as applicable, after the installation of floor panel 232AF. Refer to AMM MPP 06-41-02/100.
- (14) Install the Forward Galley Assembly (AMM TASK 25-30-01-400-801-A/400) or (AMM TASK 25-30-01-400-802-A/400 or AMM TASK 25-30-01-400-803-A/400), as applicable, after the installation of floor panel 232BF. Refer to AMM MPP 06-41-02/100.
- (15) Install the Aft Galley Assembly (AMM TASK 25-30-02-400-801-A/400) after the installation of floor panel 232DF. Refer to AMM MPP 06-41-02/100.

