



AIRCRAFT
MAINTENANCE MANUAL

PASSENGER SEAT TRACKS - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the procedures to remove and install the Passenger Seat Tracks.
- 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
53-01-06-000-801-A	PASSENGER SEAT TRACKS - REMOVAL	ACFT MODEL(S) EMB-145
53-01-06-400-801-A	PASSENGER SEAT TRACKS - INSTALLA- TION	ACFT MODEL(S) EMB-145



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TASK 53-01-06-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. PASSENGER SEAT TRACKS - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the Passenger Seat Tracks.

B. References

REFERENCE	DESIGNATION
53-01-00	-
AMM TASK 25-21-01-000-801-A/400	-
AMM TASK 25-23-02-000-801-A/400	-
AMM TASK 53-01-02-000-801-A/400	-
IPC 53-01-00	-

C. Zones and Accesses

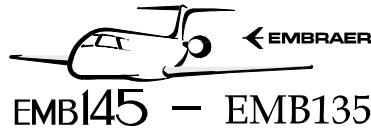
ZONE	PANEL/DOOR	LOCATION
230		Fuselage center section I
240		Fuselage center section II
250		Fuselage center section III
260		Fuselage center section IV

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the floor	
Commercially available	Acrylic spatula	To remove the sealant	
Commercially available	Torque wrench	To remove the screws	

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



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F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
ASTM - D740	Methyl Ethyl Ketone - (MEK)	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Floor	53-01-00	AR

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	In the passenger cabin, RH/LH

I. Preparation

SUBTASK 841-007-B

- (1) Remove the passenger seat (AMM TASK 25-21-01-000-801-A/400).
- (2) To remove the center seat track, remove floor panels as necessary to get access to hold the seat track nuts AMM TASK 53-01-02-000-801-A/400.
- (3) To remove the lateral seat track, remove the skirting linings panels as necessary to get access to hold the seat track nuts AMM TASK 25-23-02-000-801-A/400.

J. Removal (Figure 401) (Figure 402)

SUBTASK 020-007-B

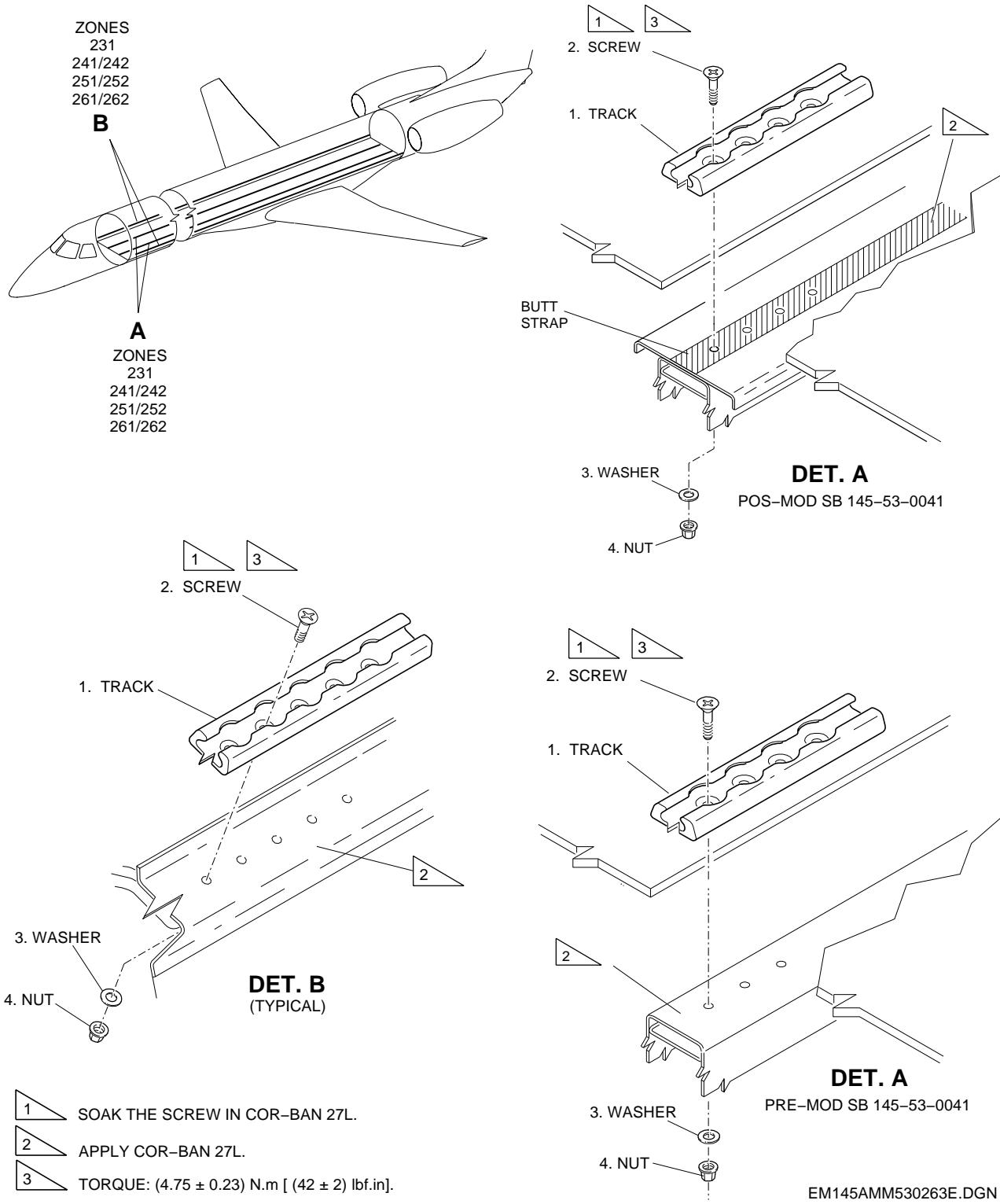
- (1) For aircraft S/N 447, 451, 509, 524, 551, 590, 597, 599, 607, 620, 640 and on, refer to [Figure 402](#) and do as follows:
 - (a) With an acrylic spatula, remove the old sealant from the track.
- (2) Remove the nuts (4), washers (3), and screws (2) that attach the tracks (1) to the passenger cabin floor and to the lateral structure.
- (3) Remove the tracks (1).

NOTE: Before the removal, identify the location of each track to make sure that it is installed back in the same position where it was removed from, according to IPC 53-01-00.

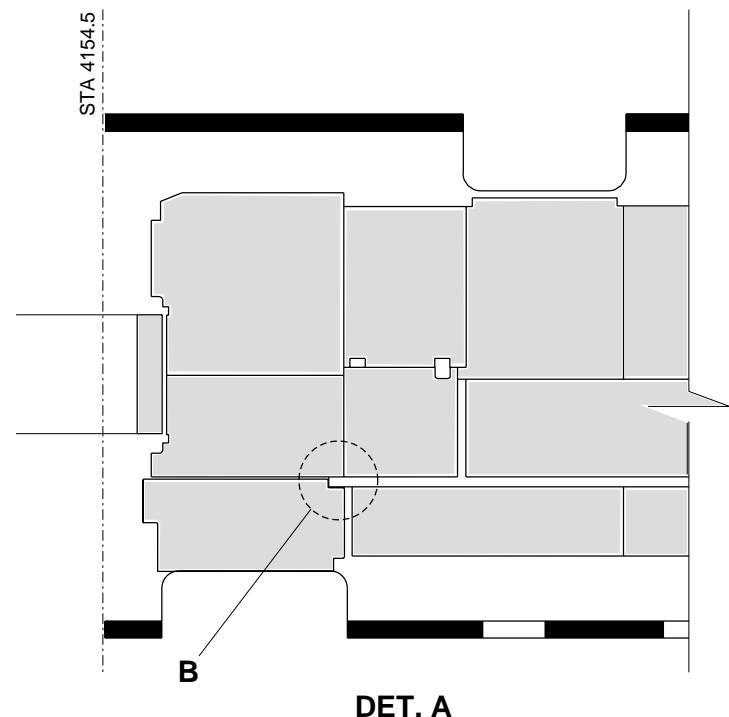
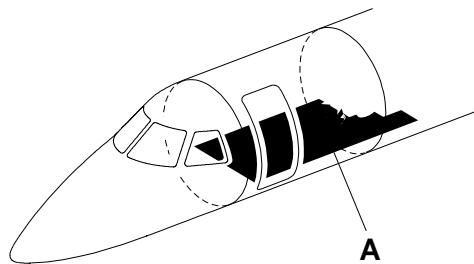
WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.

- (4) With a cloth soaked in MEK, clean the surface.

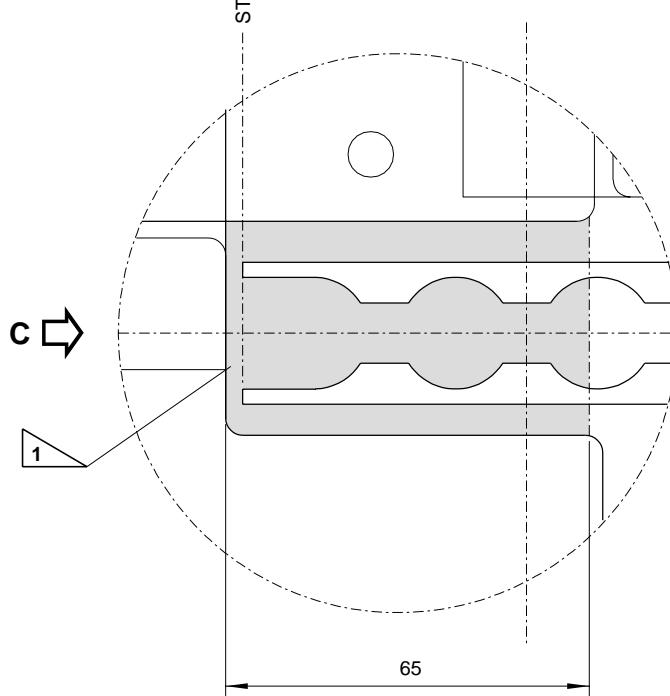
EFFECTIVITY: ACFT MODEL(S) EMB-145
 Passenger Seat Tracks - Removal/Installation
 Figure 401



EFFECTIVITY: FOR AIRCRAFT S/N 447, 451, 509, 524, 551, 590, 597, 599, 607, 620, 640 AND ON
Sealant - Removal/Installation
Figure 402



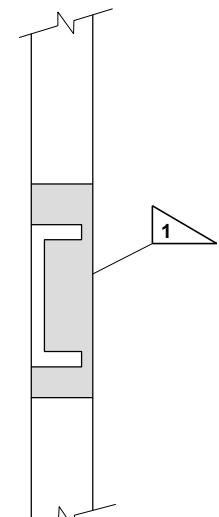
DET. A



DET. B

 **SEALING COMPOUND**

DIMENSIONS IN mm



VIEW C



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TASK 53-01-06-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

3. PASSENGER SEAT TRACKS - INSTALLATION

A. General

(1) This procedure gives the instructions to install the Passenger Seat Tracks.

B. References

REFERENCE	DESIGNATION
53-01-00	-
AMM TASK 25-21-01-400-801-A/400	-
AMM TASK 25-23-02-400-801-A/400	-
AMM TASK 53-01-02-400-801-A/400	-
CPM 51-21-04	-
IPC 53-01-00	-

C. Zones and Accesses

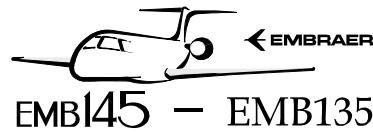
ZONE	PANEL/DOOR	LOCATION
230		Fuselage center section I
240		Fuselage center section II
250		Fuselage center section III
260		Fuselage center section IV

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the floor	
Commercially available	Acrylic spatula	To apply the sealant	
Commercially available	Torque wrench	To install screws	

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



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F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
ASTM - D740	Methyl Ethyl Ketone - (MEK)	AR
MIL-PRF-81733	Sealant, P/S 870-C12	AR
MEP 09-074	THIXOFLEX TG 2010	AR
MEP 09-075	Corrosion-Inhibiting Compound (COR-BAN 27L)	AR
MIL-C-5541	Alodine 1200S	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Floor	53-01-00	AR

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	In the passenger cabin, RH/LH

I. Installation (Figure 401) (Figure 402)

SUBTASK 420-007-B

WARNING: COR-BAN 27L CORROSION-INHIBITING COMPOUND IS TOXIC TO SKIN, EYES, AND RESPIRATORY TRACT. USE GOGGLES AND PROTECTIVE GLOVES. USE ONLY IN WELL VENTILATED AREAS. OBEY THE MANUFACTURER'S HEALTH AND SAFETY INSTRUCTIONS.

- (1) Apply COR-BAN 27L between the butt strap and the track. Refer to (Figure 401); DET. A).
- (2) Position the tracks (1).

NOTE: • Make sure that the track is back to the same location as that from which it was removed, according to IPC 53-01-00.
• If the seat tracks are not drilled, use the floor holes as a reference to drill them, and apply alodine to the drilled holes according to CPM 51-21-04.

WARNING: COR-BAN 27L CORROSION-INHIBITING COMPOUND IS TOXIC TO SKIN, EYES, AND RESPIRATORY TRACT. USE GOGGLES AND PROTECTIVE GLOVES. USE ONLY IN WELL VENTILATED AREAS. OBEY THE MANUFACTURER'S HEALTH AND SAFETY INSTRUCTIONS.

- (3) Install the screws (2), washers (3), and nuts (4). The screw must be wet with COR-BAN 27-L.
- (4) Apply the torque to the screws (2) as given in (Figure 401).



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- (5) For aircraft S/N 447, 451, 509, 524, 551, 590, 597, 599, 607, 620, 640 and on, refer to (Figure 402) and do as follows:

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- (a) With a clean cloth soaked in MEK, clean the track and the area where the sealant will be applied.
- (b) Apply the sealing compound (Thixoflex TG2010). Refer to (Figure 402).

J. Follow-on

SUBTASK 842-007-B

- (1) Install the passenger seat (AMM TASK 25-21-01-400-801-A/400).
- (2) Install the floor panels AMM TASK 53-01-02-400-801-A/400.
- (3) Install the skirting linings panels AMM TASK 25-23-02-400-801-A/400.