



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

PASSENGER SEAT TRACKS - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-135

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-135 |
| 53-01-06-400-801-A | PASSENGER SEAT TRACKS - INSTALLA- TION | ACFT MODEL(S) EMB-135 |



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

EFFECTIVITY: ACFT MODEL(S) EMB-135

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

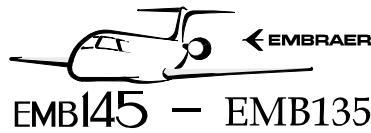
| ZONE | PANEL/DOOR | LOCATION |
|------|------------|-----------------------------|
| 230 | | Fuselage center section I |
| 240 | | Fuselage center section II |
| 250 | | Fuselage center section III |
| 260 | | Fuselage center section IV |

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 841-008-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) (Figure 403)

SUBTASK 020-008-B

- (1) For aircraft S/N 551, 599 and on, refer to [Figure 403](#) 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) For aircraft with configuration VIP A and VIP B , refer to [Figure 402](#) and do as follows:
 - (a) Remove the nut (4), washer (3), washers (5), and screws (2) that attach the tracks (1) to the passenger cabin floor and to the lateral structure.

NOTE: In configuration VIP A, the washer is yellow and, in configuration VIP B, the washer is green.

- (4) 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.



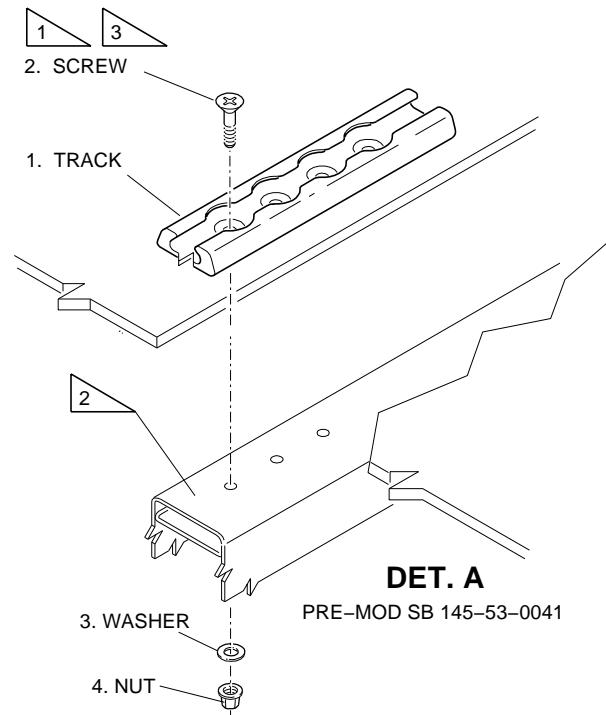
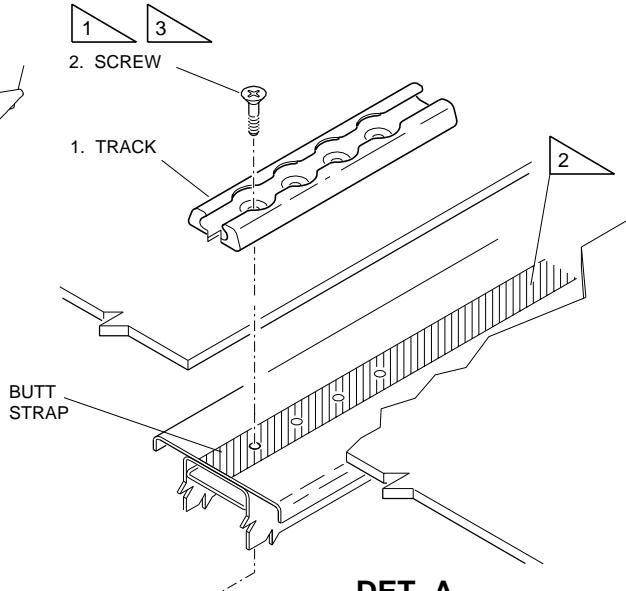
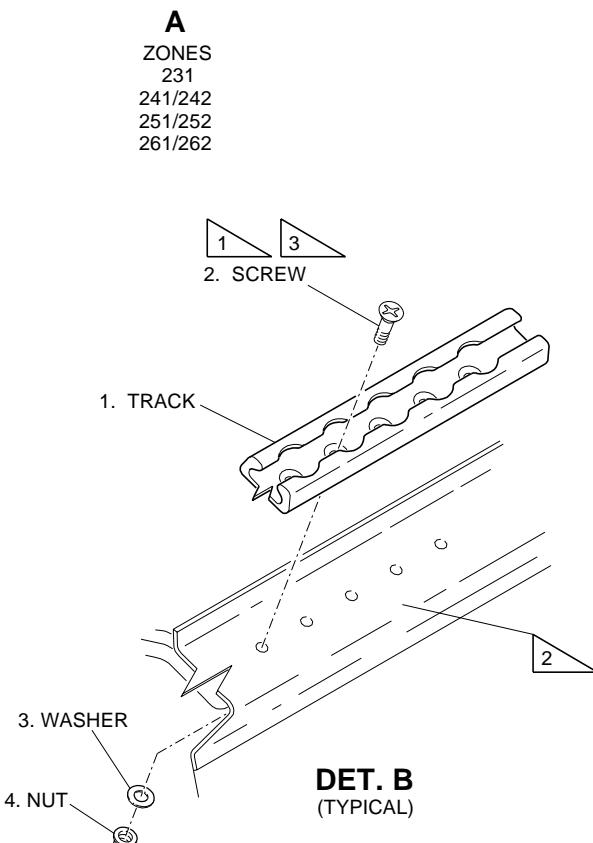
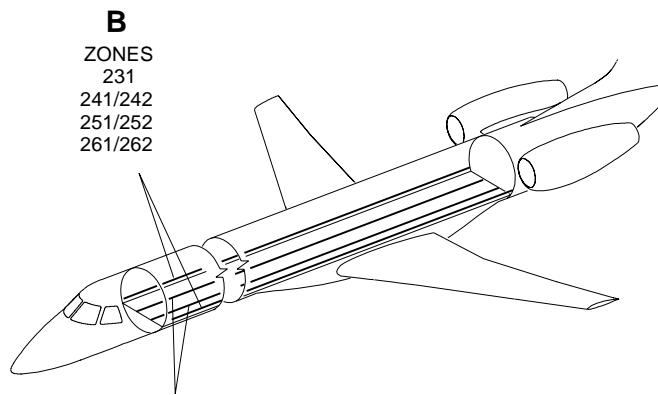
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WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.

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

EFFECTIVITY: ACFT MODEL(S) EMB-135
 Passenger Seat Tracks - Removal/Installation
 Figure 401

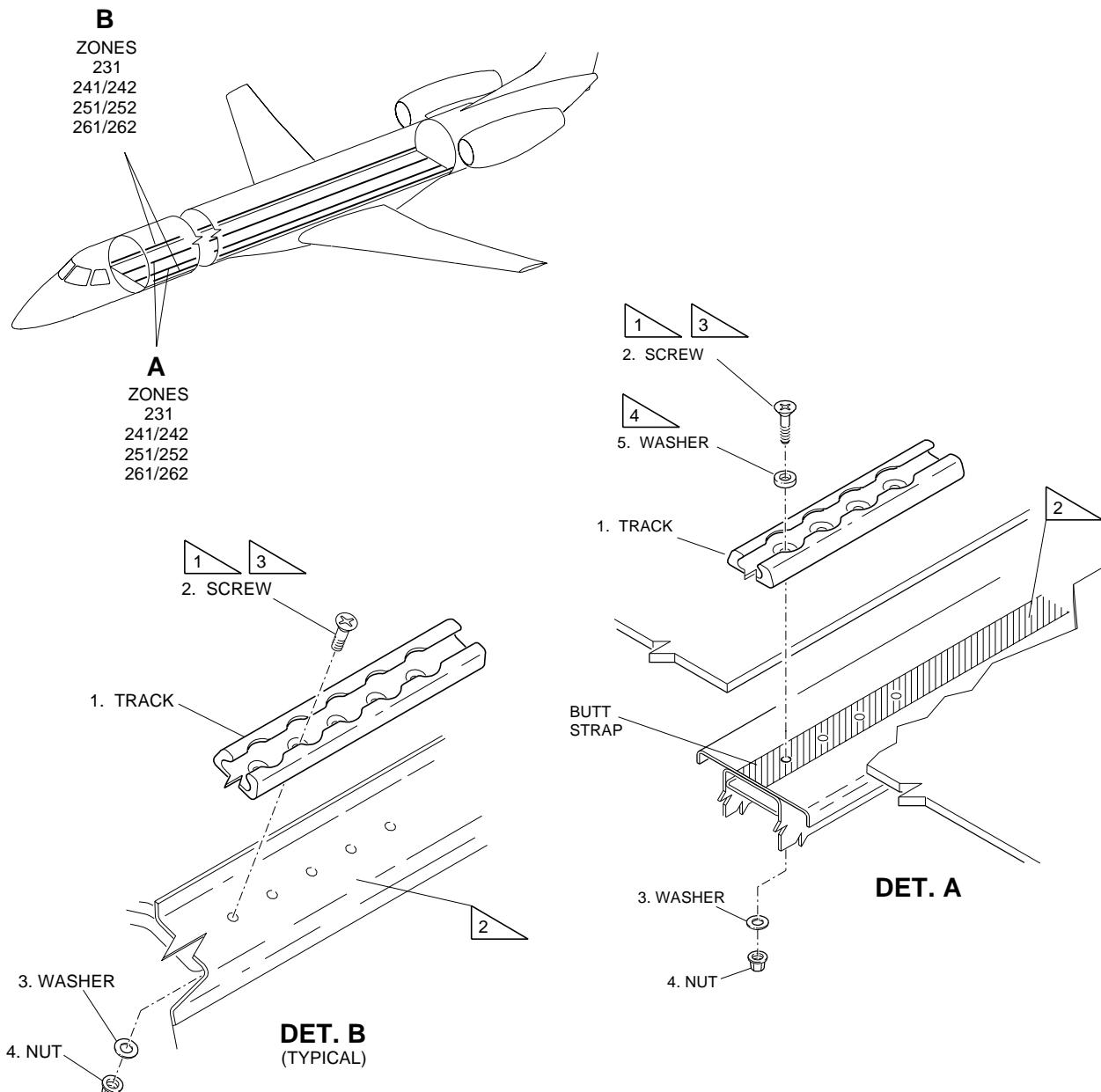


- 1** SOAK THE SCREW IN COR-BAN 27L.
- 2** APPLY COR-BAN 27L.
- 3** TORQUE: (4.75 ± 0.23) N.m [(42 ± 2) lbf.in].

EFFECTIVITY: AIRCRAFT WITH CONFIGURATION VIP A AND VIP B

Sealant - Removal/Installation

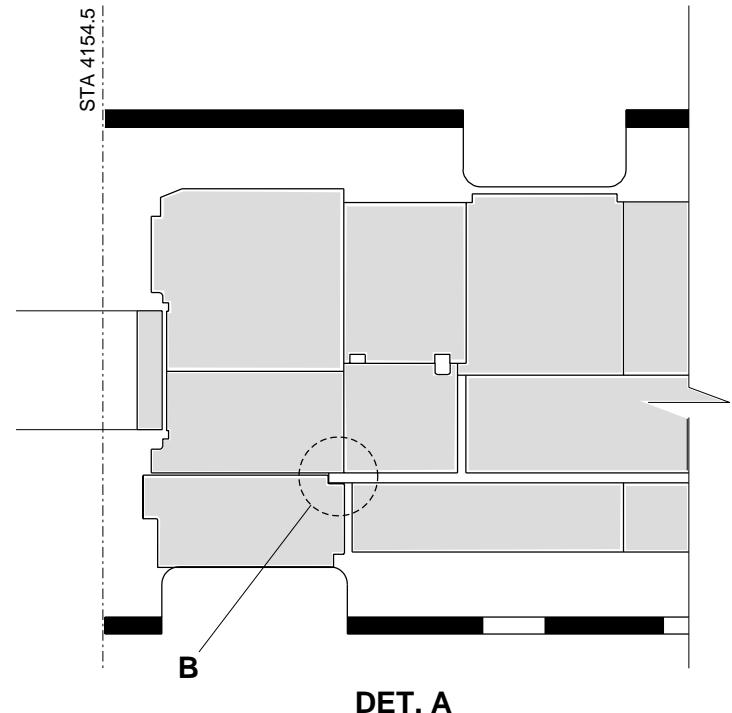
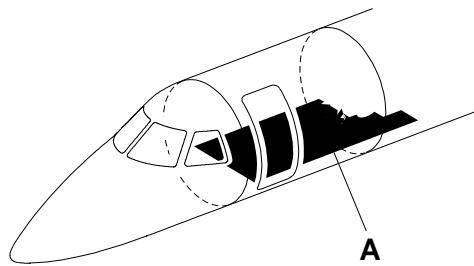
Figure 402



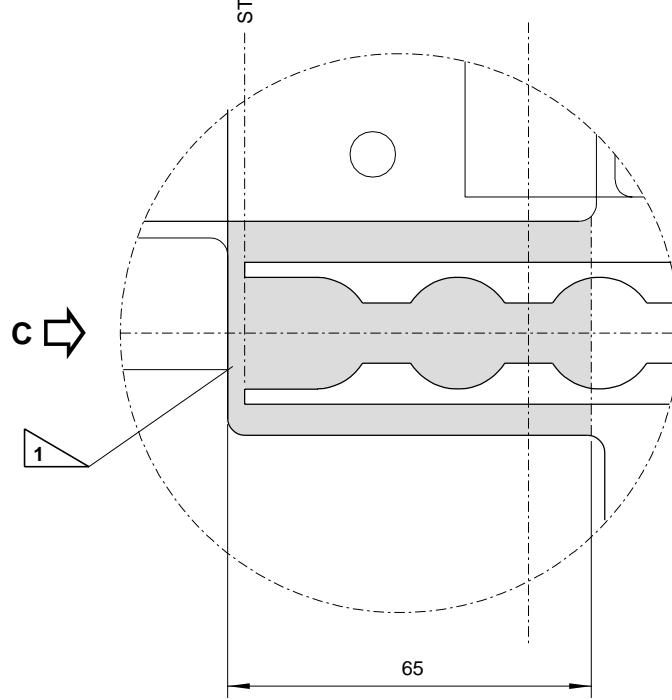
- 1** SOAK THE SCREW IN COR-BAN 27L.
- 2** APPLY COR-BAN 27L.
- 3** TORQUE: $(4.75 \pm 0.23) \text{ N.m} [(42 \pm 2) \text{ lbf.in}]$.
- 4** IN CONFIGURATION VIP A, THE WASHER IS YELLOW AND, IN CONFIGURATION VIP B, THE WASHER IS GREEN.

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EFFECTIVITY: FOR AIRCRAFT S/N 551, 599 AND ON
Sealant - Removal/Installation
Figure 403



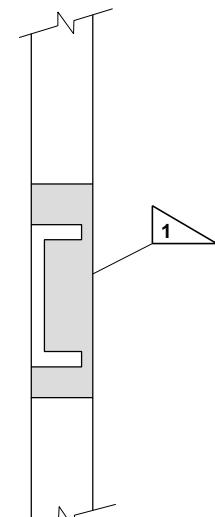
DET. A



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-135

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) (Figure 403)

SUBTASK 420-008-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) and (Figure 402); 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.

NOTE: In configuration VIP A, the washer is yellow and, in configuration VIP B, the washer is green.



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- (4) For aircraft with configuration VIP A and VIP B , refer to (Figure 402) and do as follows:

- (a) Install the washers (5), screws (2), washers (3), and nuts (4). The screw must be wet with COR-BAN 27-L.

NOTE: In configuration VIP A, the washer is yellow and, in configuration VIP B, the washer is green.

- (5) Apply the torque to the screws (2) as given in (Figure 401) or (Figure 402).

- (6) For aircraft S/N 551, 599 and on, refer to (Figure 403) 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 403).

J. Follow-on

SUBTASK 842-008-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.