



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

BAGGAGE-DOOR PROTECTIVE PLATE - REMOVAL/INSTALLATION

EFFECTIVITY: FOR AIRCRAFT WITH PROTECTIVE PLATE INSTALLED

1. General

- A. This section gives the procedures to remove and install the baggage-door protective plate.
- 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 |
|--------------------|-------------------------------------------------|----------------------------------------------------|
| 53-31-01-000-801-A | BAGGAGE-DOOR PROTECTIVE PLATE - REMOVAL | FOR AIRCRAFT WITH PROTECTIVE PLATE INSTALLED |
| 53-31-01-400-801-A | BAGGAGE-DOOR PROTECTIVE PLATE - INSTALLATION | FOR AIRCRAFT WITH PROTECTIVE PLATE INSTALLED |



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TASK 53-31-01-000-801-A

EFFECTIVITY: FOR AIRCRAFT WITH PROTECTIVE PLATE INSTALLED

2. BAGGAGE-DOOR PROTECTIVE PLATE - REMOVAL

A. General

- (1) This task gives the procedure to remove the baggage-door protective plate.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|--------------------------------------------|
| AMM TASK 53-01-03-000-801-A/400 | BAGGAGE-COMPARTMENT FLOOR PANELS - REMOVAL |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|--------------------------|
| 271 | | Baggage compartment - LH |

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 | Baggage compartment - LH |

I. Preparation

SUBTASK 841-002-A

- (1) If it is necessary to install a new protective plate, do these steps:
- Open the baggage door.
 - Remove the baggage-compartment floor panels, as applicable (Refer to AMM TASK 53-01-03-000-801-A/400).

J. Removal (Figure 401)

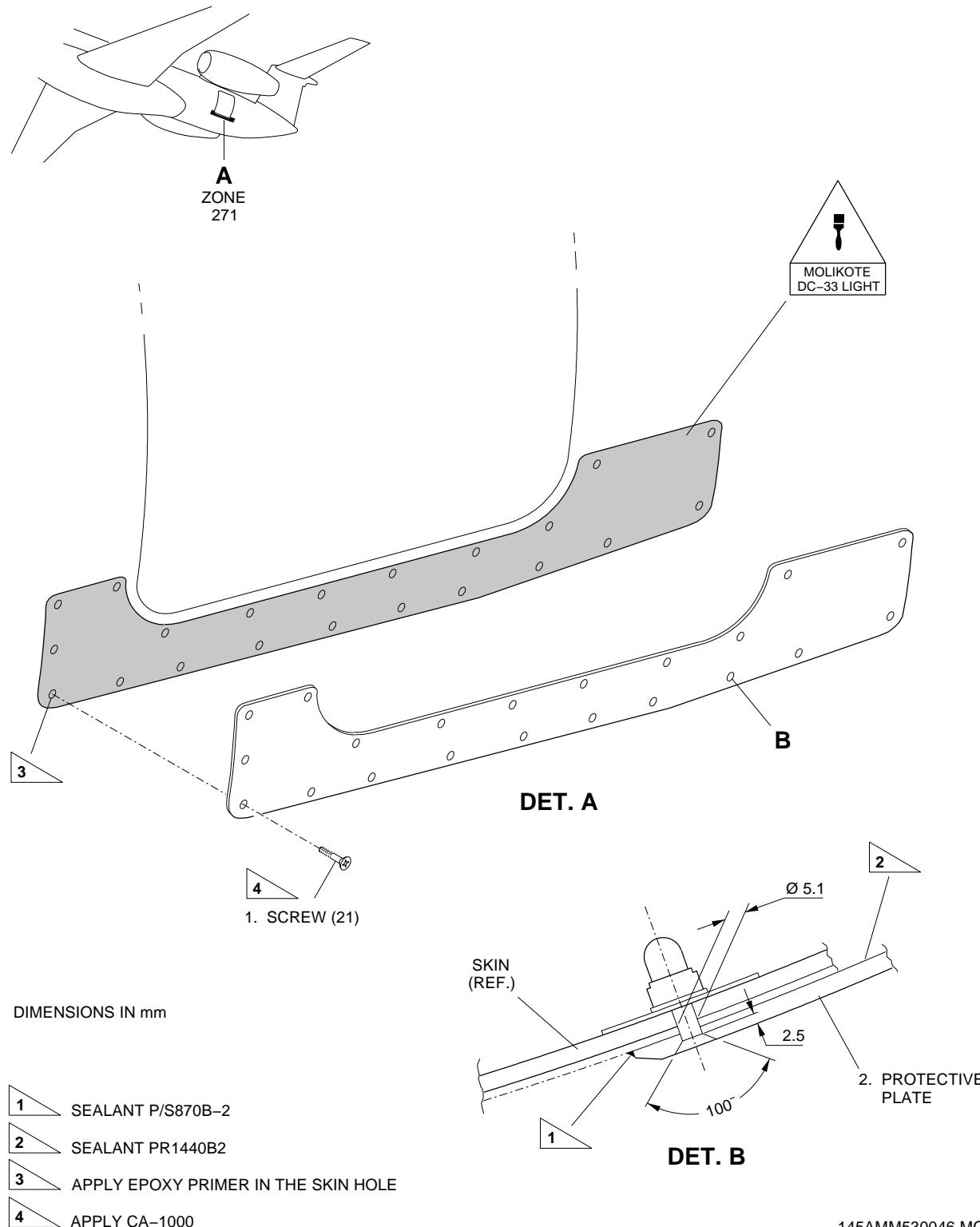
SUBTASK 020-002-A

- Remove the screws (1).
- Remove the protective plate (2).

EFFECTIVITY: FOR AIRCRAFT WITH PROTECTIVE PLATE INSTALLED

Baggage-Door Protective Plate - Removal/Installation

Figure 401



145AMM530046.MCE B



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TASK 53-31-01-400-801-A

EFFECTIVITY: FOR AIRCRAFT WITH PROTECTIVE PLATE INSTALLED

3. BAGGAGE-DOOR PROTECTIVE PLATE - INSTALLATION

A. General

(1) This task gives the procedure to install the baggage-door protective plate.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|-------------------------------------------------|
| AMM TASK 53-01-03-400-801-A/400 | BAGGAGE-COMPARTMENT FLOOR PANELS - INSTALLATION |
| CPM 51-21-05 | - |
| IPC 53-31-00 | REAR I |
| SRM 51-20-01 | - |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|--------------------------|
| 271 | | Baggage compartment - LH |

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

| SPECIFICATION (BRAND) | DESCRIPTION | QTY |
|-----------------------------|-----------------------------------------------------------|-----|
| MIL-S-8802 type II class B2 | Sealant, rubber - PR1440B2 | AR |
| MIL-S-81733 type II-2 | Sealant, polysulfide gray - P/S870B-2 | AR |
| MSM 36-002 type I | Silicone grease, light consistency - Molykote DC-33 light | AR |
| MEP 09-060 | Corrosion-Inhibiting Compound (CA-1000) | AR |

G. Expendable Parts

| ITEM | IPC REFERENCE (VENDOR REFERENCE) | QTY |
|-------------------------------|-------------------------------------|-----|
| Baggage-door protective plate | IPC 53-31-00 | 1 |

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|--------------------------|
| 1 | Does the task | Baggage compartment - LH |



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I. Preparation (Figure 401)

SUBTASK 841-003-A

- (1) If it is necessary to install a new protective plate, do these steps:
 - (a) Put the new protective plate on the fuselage skin.
 - (b) Transfer the holes from the fuselage skin to the protective plate.
 - (c) Drill the holes in the protective plate. See DET. B for the final hole diameter.

J. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Remove the old aerodynamic sealant.

NOTE: Contact Embraer Technical Support if you find signs of corrosion in the skin holes or on the screws (1).

- (2) Apply epoxy primer in the skin holes where the protective plate is attached. For epoxy primer application, refer to CPM 51-21-05
- (3) Apply Molykote grease to the fuselage surface.
- (4) Apply PR1440B2 sealant to the plate surface (Refer to SRM 51-20-01).
- (5) Install the protective plate (2).
- (6) Wet-assemble the screws (1) moist with CA-1000 sealant.
- (7) Apply P/S870B-2 sealant along the contour of the protective plate (Refer to SRM 51-20-01).

K. Follow-on

SUBTASK 842-002-A

- (1) Do these steps, if a new protective plate was installed.
 - (a) Install the baggage-compartment floor panels, as applicable (Refer to [AMM TASK 53-01-03-400-801-A/400](#)).
 - (b) Close the baggage door.

