



## AIRCRAFT MAINTENANCE MANUAL

### SERVICE-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 service-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
53-21-13-000-801-A	SERVICE-DOOR PROTECTIVE PLATE - REMOVAL	FOR AIRCRAFT WITH PROTECTIVE PLATE INSTALLED
53-21-13-400-801-A	SERVICE-DOOR PROTECTIVE PLATE - INSTALLATION	FOR AIRCRAFT WITH PROTECTIVE PLATE INSTALLED



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TASK 53-21-13-000-801-A

EFFECTIVITY: FOR AIRCRAFT WITH PROTECTIVE PLATE INSTALLED

2. SERVICE-DOOR PROTECTIVE PLATE - REMOVAL

A. General

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

B. References

REFERENCE	DESIGNATION
AMM TASK 53-01-02-000-801-A/400	-
AMM TASK 53-01-02-000-802-A/400	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
232		Passenger cabin - RH (STGR 16R thru SRTGR 5R)

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 - RH

I. Preparation

*SUBTASK 841-002-A*

- (1) If it is necessary to install a new protective plate, do these steps:

(a) Open the service door.

(b) Remove the passenger-cabin floor panels. Refer to AMM TASK 53-01-02-000-801-A/400 or AMM TASK 53-01-02-000-802-A/400, as applicable.

J. Removal (Figure 401)

*SUBTASK 020-002-A*

- (1) Remove the screws (1).



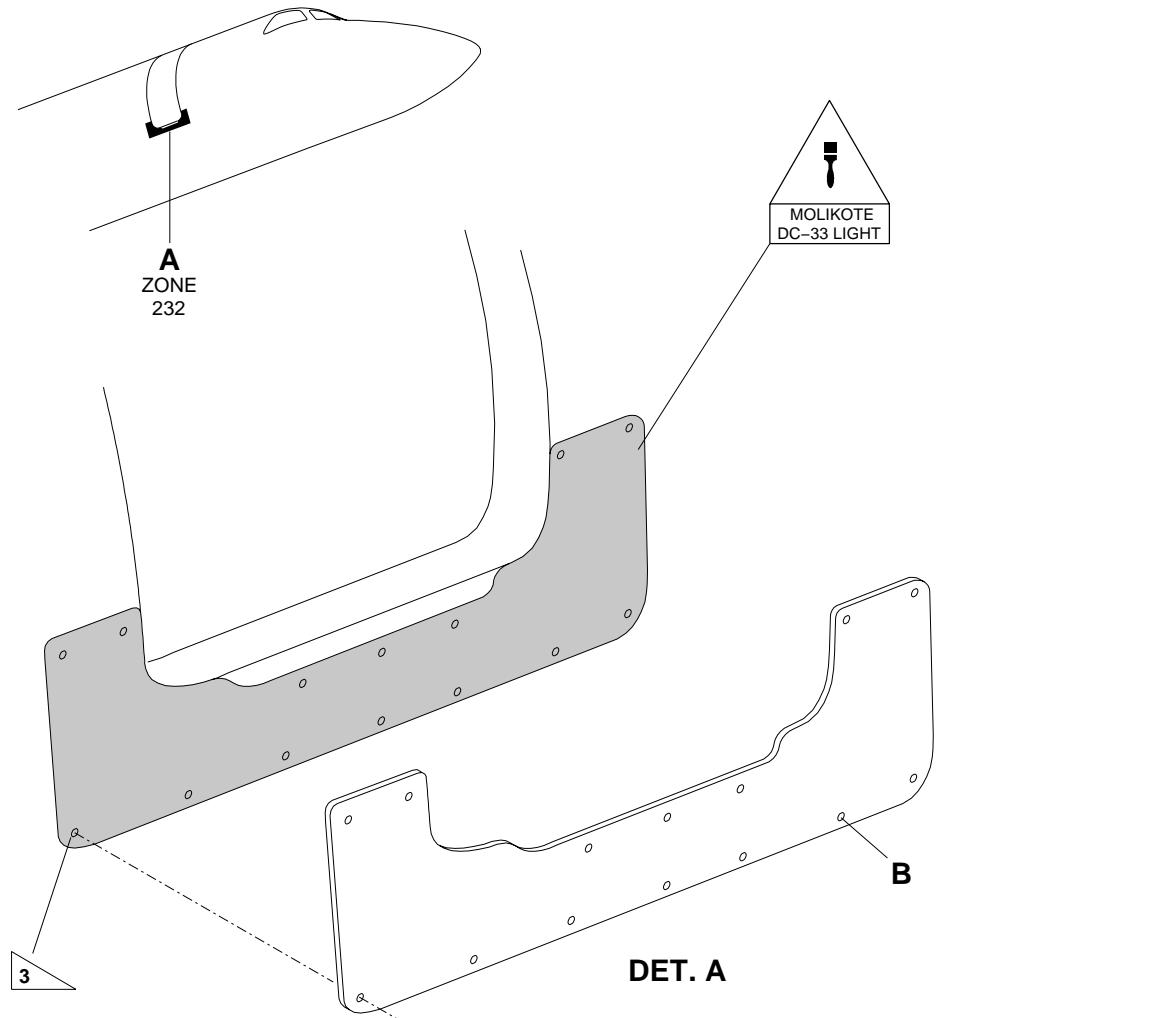
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- 
- (2) Remove the protective plate (2).

**EFFECTIVITY: FOR AIRCRAFT WITH PROTECTIVE PLATE INSTALLED**

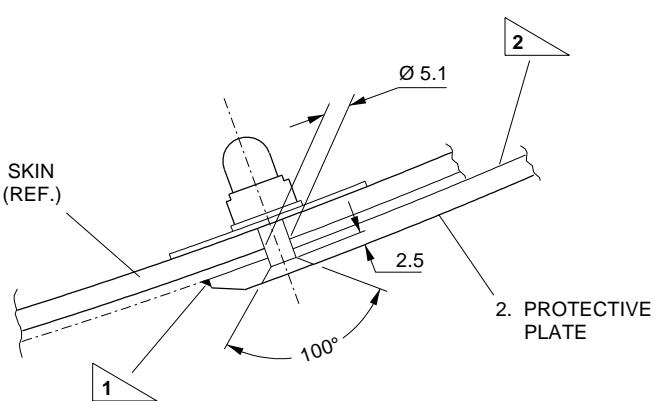
Service-Door Protective Plate - Removal/Installation

Figure 401



DIMENSIONS IN mm

-  1 SEALANT P/S870B-2
-  2 SEALANT PR1440B2
-  3 APPLY EPOXY PRIMER IN THE SKIN HOLE
-  4 APPLY CA-1000



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TASK 53-21-13-400-801-A

EFFECTIVITY: FOR AIRCRAFT WITH PROTECTIVE PLATE INSTALLED

3. SERVICE-DOOR PROTECTIVE PLATE - INSTALLATION

## A. General

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

## B. References

REFERENCE	DESIGNATION
AMM TASK 53-01-02-400-801-A/400	-
AMM TASK 53-01-02-400-802-A/400	-
CPM 51-21-05	-
IPC 53-31-00	REAR I
SRM 51-20-01	-

## C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
232		Passenger cabin - RH (STGR 16R thru SRTGR 5R)

## 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
Service-door protective plate	IPC 53-31-00	1

## H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Passenger cabin - RH



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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 passenger-cabin floor panels (Refer to AMM TASK 53-01-02-400-801-A/400 or AMM TASK 53-01-02-400-802-A/400, as applicable).
  - (b) Close the service door.