



AIRCRAFT MAINTENANCE MANUAL

REAR ELECTRONIC-COMPARTMENT VENT-DOOR RUBBER SEAL - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-135

1. General

- A. This section gives the procedures to remove and install the vent-door rubber seal.
- 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
52-44-04-000-801-A	REAR ELECTRONIC-COMPARTMENT VENT-DOOR RUBBER SEAL - REMOVAL	ACFT MODEL(S) EMB-135
52-44-04-400-801-A	REAR ELECTRONIC-COMPARTMENT VENT-DOOR RUBBER SEAL - INSTALLA- TION	ACFT MODEL(S) EMB-135



EMB145 - EMB135

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TASK 52-44-04-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

2. REAR ELECTRONIC-COMPARTMENT VENT-DOOR RUBBER SEAL - REMOVAL

A. General

- (1) This task gives the procedures to remove the rubber seal of the rear electronic-compartment vent door.

B. References

REFERENCE	DESIGNATION
AMM TASK 52-44-03-000-801-A/400	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272	272DR	Fuselage Rear Section I

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Acrylic Spatula	To remove the sealant	

E. Auxiliary Items

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

F. Consumable Materials

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

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	On the rear electronic compartment door



I. Preparation

SUBTASK 841-004-A

- (1) Remove the rear electronic-compartment vent door (AMM TASK 52-44-03-000-801-A/400).
- (2) Put the rear electronic-compartment vent door on a safe surface to prevent damage.

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

SUBTASK 020-004-A

- (1) Remove the vent door rubber seal as follows:
 - (a) With an acrylic spatula, remove the sealant from under the rubber seal along the contour of the vent door.
NOTE: Look to know the correct position of the sealant. This will help you during the installation procedure.
 - (b) Slowly release the rubber seal with an acrylic spatula until the rubber seal is fully removed from the door.
 - (c) Remove the old sealant from along the contour of the vent door.

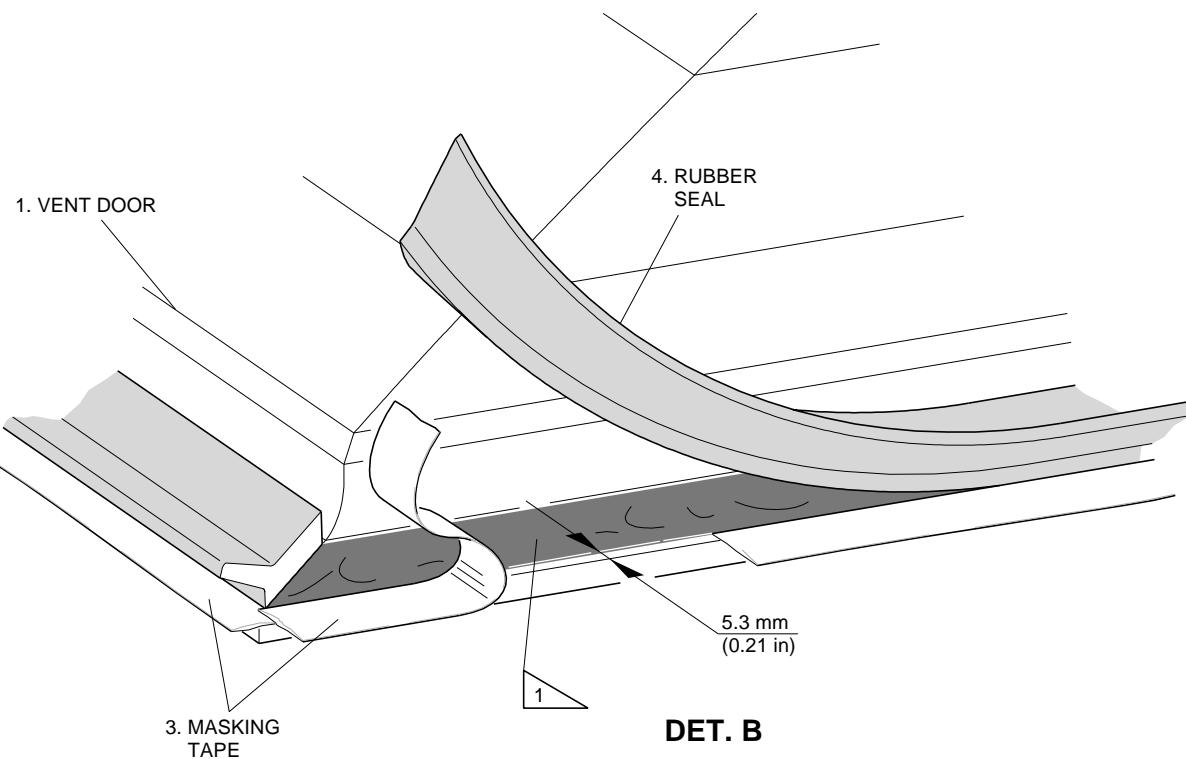
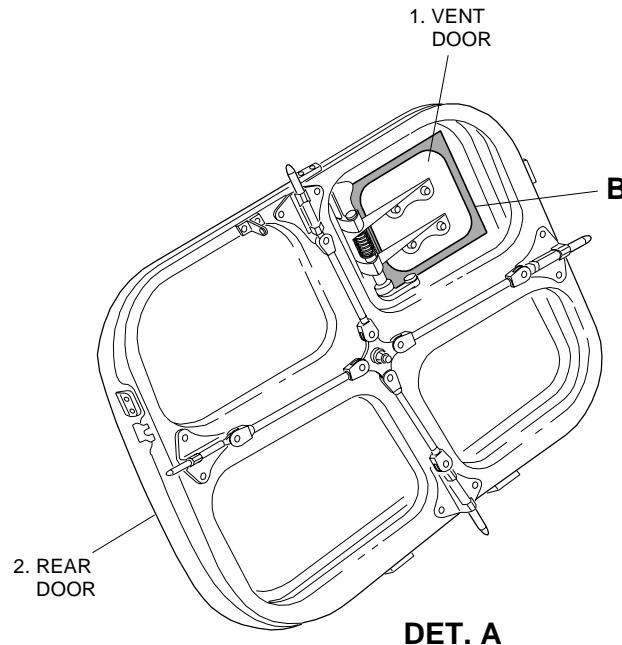
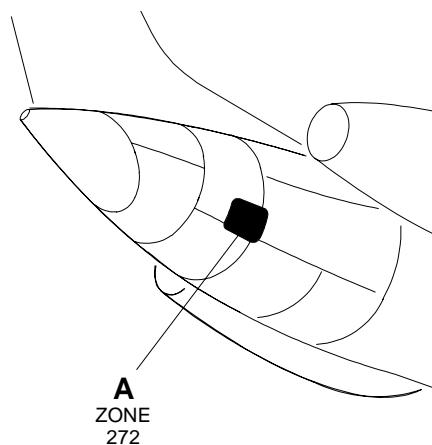
WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING. DO NOT BREATHE THE SOLVENT GASES AND WORK IN A WELL VENTILATED AREA.

- (d) Clean the surface with a cloth wet with MEK.

EFFECTIVITY: ACFT MODEL(S) EMB-135

Rubber Seal - Removal/Installation

Figure 401



 **SEALANT RTV-157.**

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EMB-145 - AMM 1285

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TASK 52-44-04-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

3. REAR ELECTRONIC-COMPARTMENT VENT-DOOR RUBBER SEAL - INSTALLATION

A. General

- (1) This task gives the procedures to install the rubber seal of the rear electronic-compartment vent door.

B. References

REFERENCE	DESIGNATION
AMM TASK 21-31-00-700-805-A/500	-
AMM TASK 21-31-00-700-808-A/500	-
AMM TASK 52-44-03-400-801-A/400	-
IPC 52-44-00	REAR ELECTRONIC BAY DOOR
SRM 51-20-01-PR	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272	272DR	Fuselage Rear Section I

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Acrylic Spatula	To remove the sealant	
Commercially available	Cutter	To remove the rubber seal	

E. Auxiliary Items

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

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Commercially available	Silicone sealant - RTV 157 (Gray)	AR
Commercially available	Adhesive tape	AR



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G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Rubber Seal	IPC 52-44-00	AR

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	On the rear electronic compartment door

I. Installation (Figure 401)

SUBTASK 420-004-A

(1) Install the vent-door rubber seal as follows:

- (a) Along the contour of the vent door, apply masking tape at 5.3 mm (0.21 in) from the vent door edge to protect the part that will not receive the sealant (Figure 401); DET. B).
- (b) Prepare the parts of the vent door to which sealant RTV-157 will be applied.
- (c) Apply a thin coat of sealant RTV-157 along all vent door contour where the rubber seal will be installed. Refer to SRM 51-20-01-PR for the curing time.

NOTE: The sealant curing time changes with the environmental conditions. Refer to SRM 51-20-01-PR.

- (d) Cut off the rubber seal ends according to the related angle, and join the vent door with sealant.
- (e) Install the vent-door rubber seal.
NOTE: Clean the excess sealant.
- (f) Remove the masking tapes from the vent door.
- (g) Push your finger against the seal to install it correctly.

J. Follow-on

SUBTASK 842-004-A

- (1) Install the rear electronic-compartment vent door (AMM TASK 52-44-03-400-801-A/400).
- (2) Do a functional test for cabin leakage (AMM TASK 21-31-00-700-805-A/500) or (AMM TASK 21-31-00-700-808-A/500). If the values are permitted, you can operate the aircraft.