



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

COCKPIT EMERGENCY EXIT FRAME SEALANT - REPAIR

EFFECTIVITY: THIS TASK IS APPLICABLE TO AIRCRAFT S/N UP TO 884

1. General

- A. This section gives the procedures to repair the frame sealant of the cockpit emergency.
- 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
56-11-04-300-801-A	FUSELAGE FRAME SEALANT - REPAIR	THIS TASK IS APPLICABLE TO AIRCRAFT S/N UP TO 884



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TASK 56-11-04-300-801-A

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2. FUSELAGE FRAME SEALANT - REPAIR

A. General

- (1) This task gives the instructions to repair the frame sealant of the cockpit emergency exit.

B. References

REFERENCE	DESIGNATION
AMM TASK 21-31-00-860-801-A/200	PROCEDURE TO PRESSURIZE THE AIRCRAFT FOR MAINTENANCE
AMM TASK 21-31-00-860-802-A/200	PROCEDURE TO DEPRESSURIZE THE AIRCRAFT FOR MAINTENANCE
AMM TASK 56-11-01-000-801-A/400	COCKPIT EMERGENCY EXIT - REMOVAL
AMM TASK 56-11-01-400-801-A/400	COCKPIT EMERGENCY EXIT - INSTALLATION
SRM 51-20-01-PR	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223		LH - Cockpit emergency exit
224		RH - Cockpit emergency exit

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Acrylic spatula	To remove the damaged sealant	
Commercially available	Soft lint-free cloth	To clean the repair area	
Commercially available	Sandpaper 120 grit	To sand the fuselage frame	

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
MIL-PRF-81733, TYPE II, Class B	Sealant PR-2050 B-1/2	AR

(Continued)

<i>SPECIFICATION (BRAND)</i>	<i>DESCRIPTION</i>	<i>QTY</i>
ASTM D740	Methyl Ethyl Ketone - (MEK)	AR
Commercially available	Adhesive tape	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	In the LH or RH cockpit emergency exit

I. Preparation

SUBTASK 841-002-A

- (1) Remove the cockpit emergency exit ([AMM TASK 56-11-01-000-801-A/400](#)).
- (2) Put the window on a safe surface to prevent damage.

J. Frame sealant - Repair ([Figure 801](#))

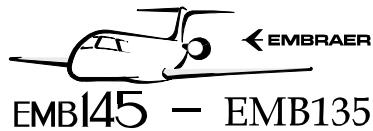
SUBTASK 350-002-A

- (1) Identify the regions where the sealant is damaged.
- (2) Using an acrylic spatula, remove the damaged portion of the fuselage frame sealant.
- (3) Sand the fuselage frame, in the region of the damaged sealant, to ensure that all the old sealant has been removed.

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

- (4) Clean all surfaces to be bonded with MEK.
- (5) Limit the application area of the sealant, in the internal side of the fuselage frame, with masking tape to protect the fuselage.
- (6) Install the cockpit emergency exit ([AMM TASK 56-11-01-400-801-A/400](#)), and close it.
- (7) Mask the region of the cockpit emergency exit and the fuselage frame, according to [Figure 801](#).
- (8) Apply sealant PR-2050 B-1/2 in the repair region. Refer to SRM 51-20-01-PR
- (9) Remove the sealant excess and the masking tapes.

NOTE: • During the cure time, the cockpit emergency exit shall remain closed.



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- The sealant cure time changes as a function of the environmental conditions. Refer to SRM 51-20-01-PR.

(10) Remove the cockpit emergency exit ([AMM TASK 56-11-01-000-801-A/400](#)).

(11) Remove the internal mask tape.

K. Follow-on

SUBTASK 842-002-A

(1) Install the cockpit emergency-exit ([AMM TASK 56-11-01-400-801-A/400](#)).

(2) Pressurize the aircraft ([AMM TASK 21-31-00-860-801-A/200](#)).

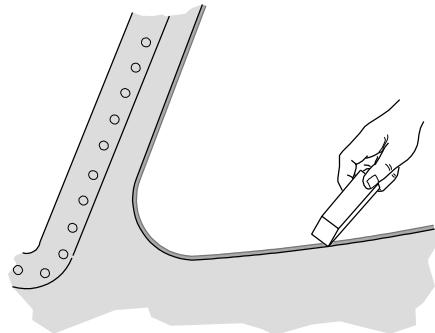
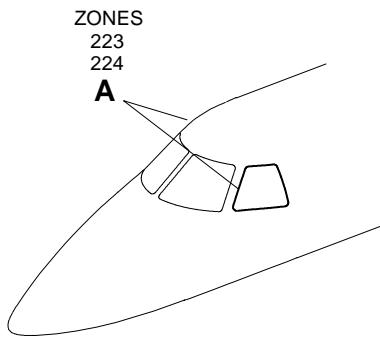
(3) Make sure that there is no air leakage through the cockpit emergency-exit.

(4) Depressurize the aircraft ([AMM TASK 21-31-00-860-802-A/200](#)).

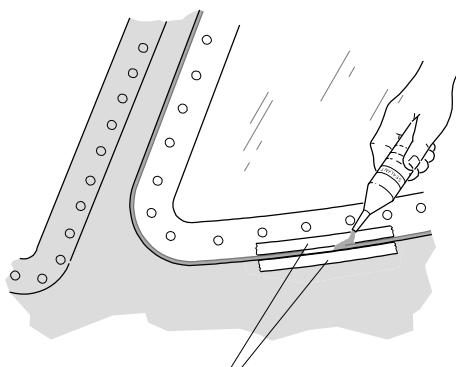
EFFECTIVITY: THIS TASK IS APPLICABLE TO AIRCRAFT S/N UP TO 884

Fuselage Frame Sealant - Repair

Figure 801

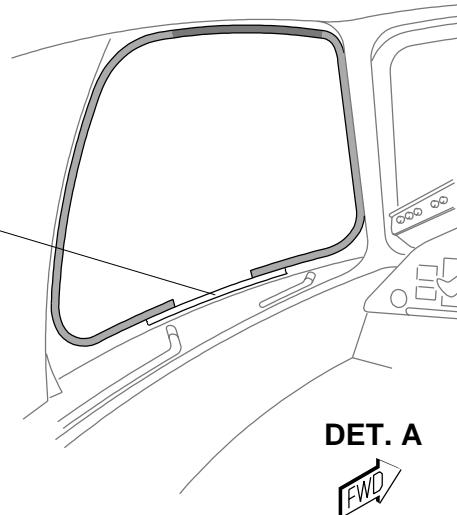


DET. A



DET. A

MASKING
TAPE



DET. A



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