



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**FLAP GAP SEAL PLATES - REMOVAL/INSTALLATION**

*EFFECTIVITY: ACFT MODEL(S) EMB-145*

1. General

- A. This section gives the procedures to remove and install the flap gap seal plates.
- B. These procedures are applicable to the LH and RH inboard and outboard flaps.
- C. 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
57-57-01-000-801-A	FLAP GAP SEAL PLATES - REMOVAL	ACFT MODEL(S) EMB-145
57-57-01-400-801-A	FLAP GAP SEAL PLATES - INSTALLA- TION	ACFT MODEL(S) EMB-145



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TASK 57-57-01-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. FLAP GAP SEAL PLATES - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the flap gap seal plates.

B. References

REFERENCE	DESIGNATION
SRM 51-40-02	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
571		LH Wing inboard flap
671		RH Wing inboard flap
541		LH Wing outboard flap
641		RH Wing outboard flap

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the work area	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	On the inboard or outboard flap

I. Preparation

SUBTASK 841-004-A

**WARNING: MAKE SURE THAT THERE ARE NO PERSONS AND/OR EQUIPMENT IN THE FLAP TRAVEL AREA. IF YOU DO NOT OBEY THIS PRECAUTION, INJURY TO PERSONS AND/OR DAMAGE TO THE EQUIPMENT CAN OCCUR.**

- (1) Set the flaps to 45° position.



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- (2) On the circuit breaker panel, open the flap 1 and flap 2 circuit breakers and attach a DO-NOT-CLOSE tag to them.

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

SUBTASK 020-004-A

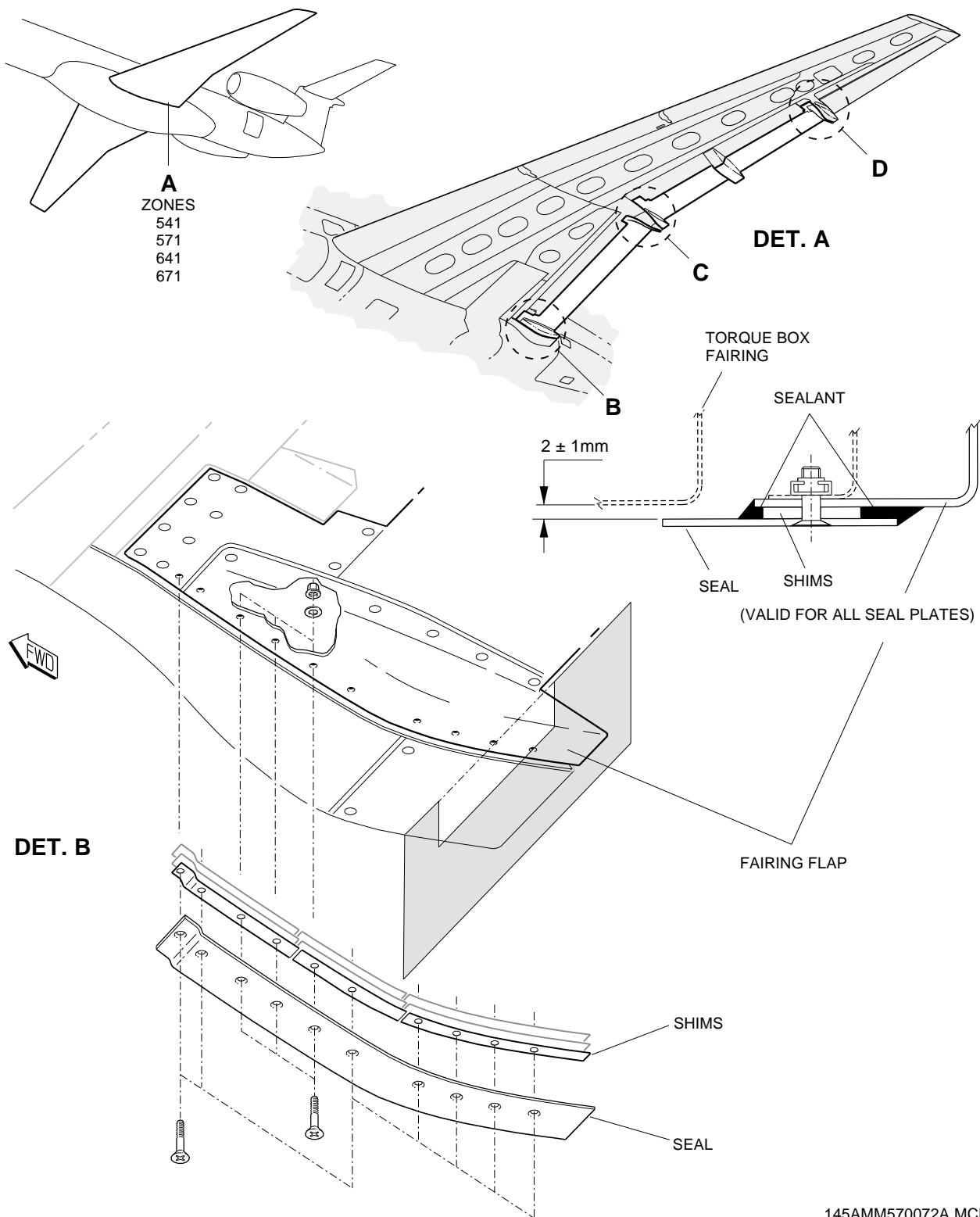
- (1) Remove the blind fasteners. Refer to SRM 51-40-02.
- (2) Remove the screws.
- (3) Remove the seal plate.
- (4) If there is one or more shims, remove it.

**NOTE:** If necessary, mark the shims to make sure that they will be installed in the same position.

**EFFECTIVITY: ACFT MODEL(S) EMB-145**

Inboard/Outboard Flap Gap Seal Plates - Removal/Installation

Figure 401 - Sheet 1

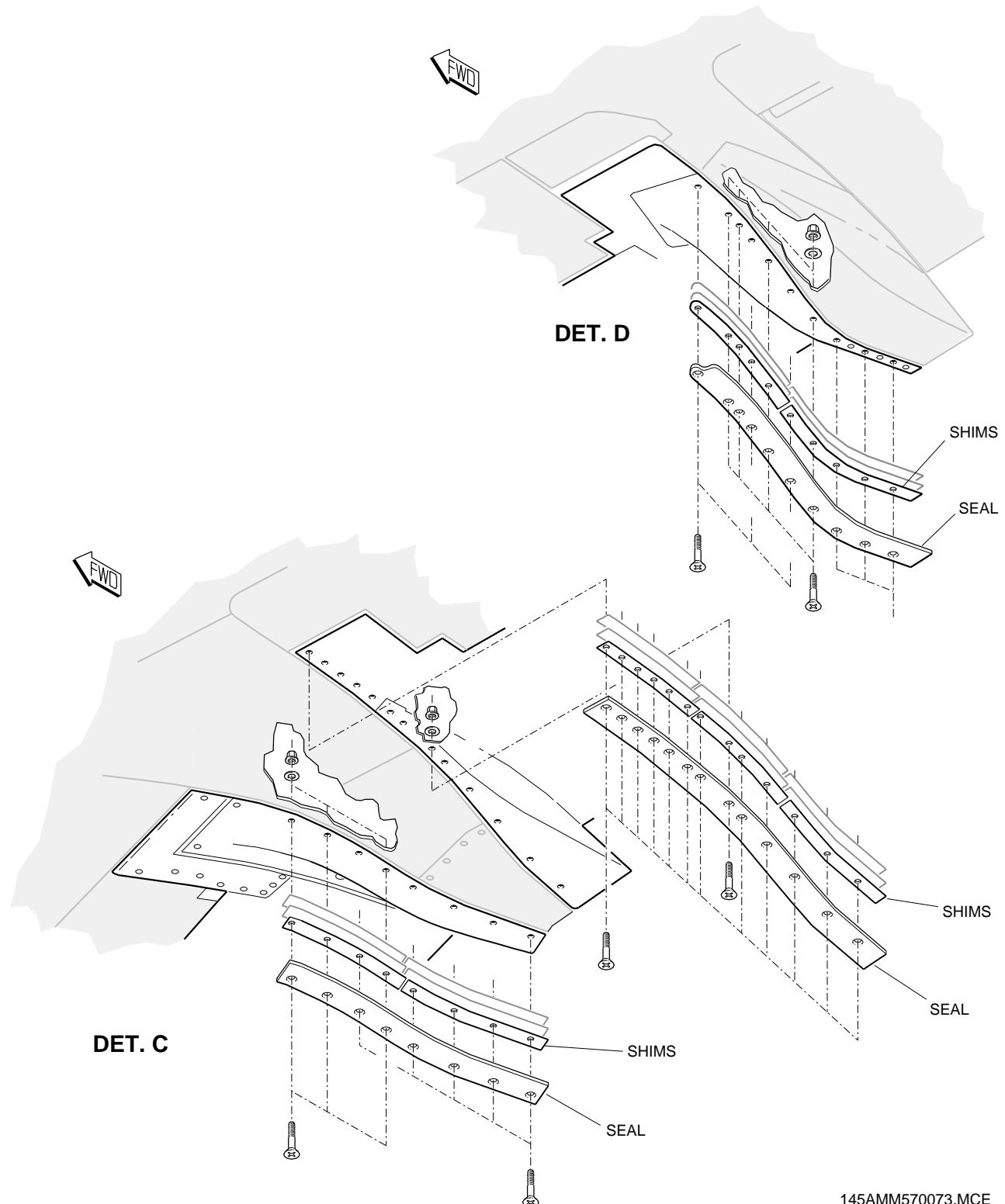


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**EFFECTIVITY: ACFT MODEL(S) EMB-145**

Inboard/Outboard Flap Gap Seal Plates - Removal/Installation

Figure 401 - Sheet 2



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# AIRCRAFT MAINTENANCE MANUAL

TASK 57-57-01-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

## 3. FLAP GAP SEAL PLATES - INSTALLATION

### A. General

(1) This procedure gives the instructions to install the flap gap seal plates.

### B. References

REFERENCE	DESIGNATION
SRM 51-20-01	-
SRM 51-40-02	-

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
571		LH Wing inboard flap
671		RH Wing inboard flap
541		LH Wing outboard flap
641		RH Wing outboard flap

### D. Tools and Equipment

Not Applicable

### E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the work area	1

### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-S-81733 Type II-2	Sealant P/S870B-2	AR

### G. Expandable Parts

Not Applicable

### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	On the inboard or outboard flap



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I. Installation (Figure 401)

SUBTASK 420-004-A

- (1) Remove all the old aerodynamic sealant from the skin of the flap, from the shims and from the seal plate and prepare the surfaces. Refer to SRM 51-20-01.
- (2) Position the seal plate.
- (3) Install the screws.
- (4) Install the blind fasteners. Refer to SRM 51-40-02.

J. Follow-on

SUBTASK 842-004-A

- (1) Do the aerodynamic sealing. Refer to SRM 51-20-01.
- (2) On the circuit breaker panel, close the flap 1 and flap 2 circuit breakers and remove the DO-NOT-CLOSE tag from them.

