

TORQUE BOX FAIRINGS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the LH and RH Torque Box Fairings.
- B. These procedures are applicable to the LH and RH Torque Box Fairings.
- 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
57-50-01-000-801-A	TORQUE BOX FAIRINGS - REMOVAL	ALL
57-50-01-400-801-A	TORQUE BOX FAIRINGS - INSTALLATION	ALL

TASK 57-50-01-000-801-A

EFFECTIVITY: ALL

2. TORQUE BOX FAIRINGS - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the RH and LH Torque Box I, II and III Fairings.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
SRM 51-20-01	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

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

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	On the torque box fairings

I. Preparation

SUBTASK 841-004-A

WARNING: MAKE SURE THAT THERE ARE NO PERSONS OR EQUIPMENT IN THE FLAP TRAVEL AREA.

- (1) Energize the aircraft with the External DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).
- (2) Set the flaps to the 45-degree position.
- (3) 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 - Torque Box I Fairing (Figure 401)

SUBTASK 020-006-A

- (1) Remove the fairing (10), as follows:
 - (a) With an acrylic spatula, remove the remaining aerodynamic sealant.
 - (b) With a cloth soaked in neutral liquid detergent, clean the surface (SRM 51-20-01).
 - (c) Remove the screws (9), (11) and (12), bonding strip (13) and fairing (10).

K. Removal - Torque Box II Fairings (Figure 401)

SUBTASK 020-007-A

- (1) Remove the fairing (8), as follows:
 - (a) With an acrylic spatula, remove the remaining aerodynamic sealant.
 - (b) With a cloth soaked in neutral liquid detergent, clean the surface (SRM 51-20-01).
 - (c) Remove the screw (7) and the fairing (8).
- (2) Remove the cover (6), as follows:
 - (a) With an acrylic spatula, remove the remaining aerodynamic sealant.
 - (b) With a cloth soaked in neutral liquid detergent, clean the surface (SRM 51-20-01).
 - (c) Remove the bolts (4) and (5) and the cover (6).

L. Removal - Torque Box III Fairing (Figure 401)

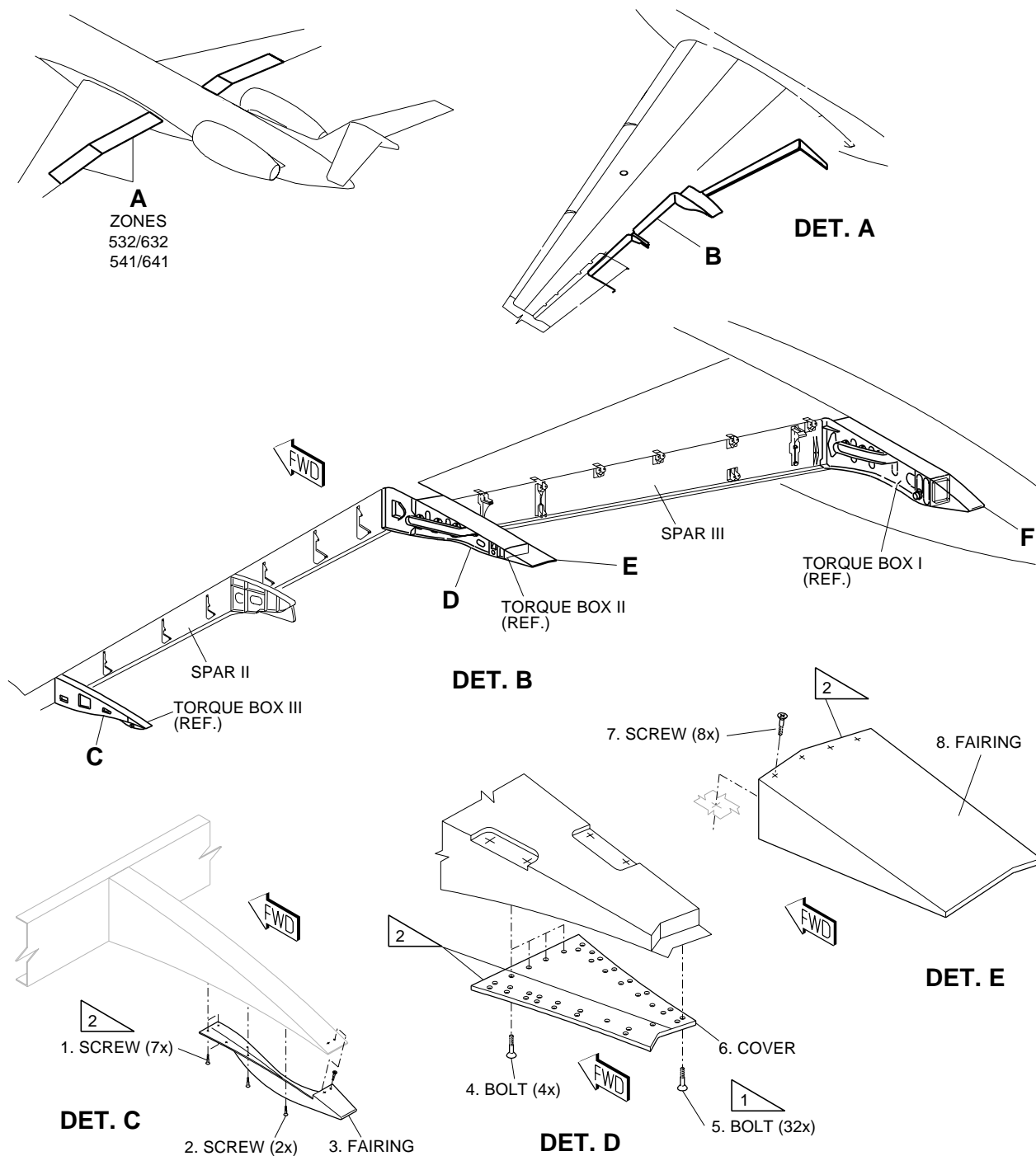
SUBTASK 020-008-A

- (1) Remove the fairing (3), as follows:
 - (a) With an acrylic spatula, remove the remaining aerodynamic sealant.
 - (b) With a cloth soaked in neutral liquid detergent, clean the surface (SRM 51-20-01).
 - (c) Remove the screws (1) and (2) and the fairing (3).

EFFECTIVITY: ALL

Torque Box I, II, III Fairings - Removal/Installation

Figure 401 - Sheet 1



1 APPLY SEALANT P/S 870C-12

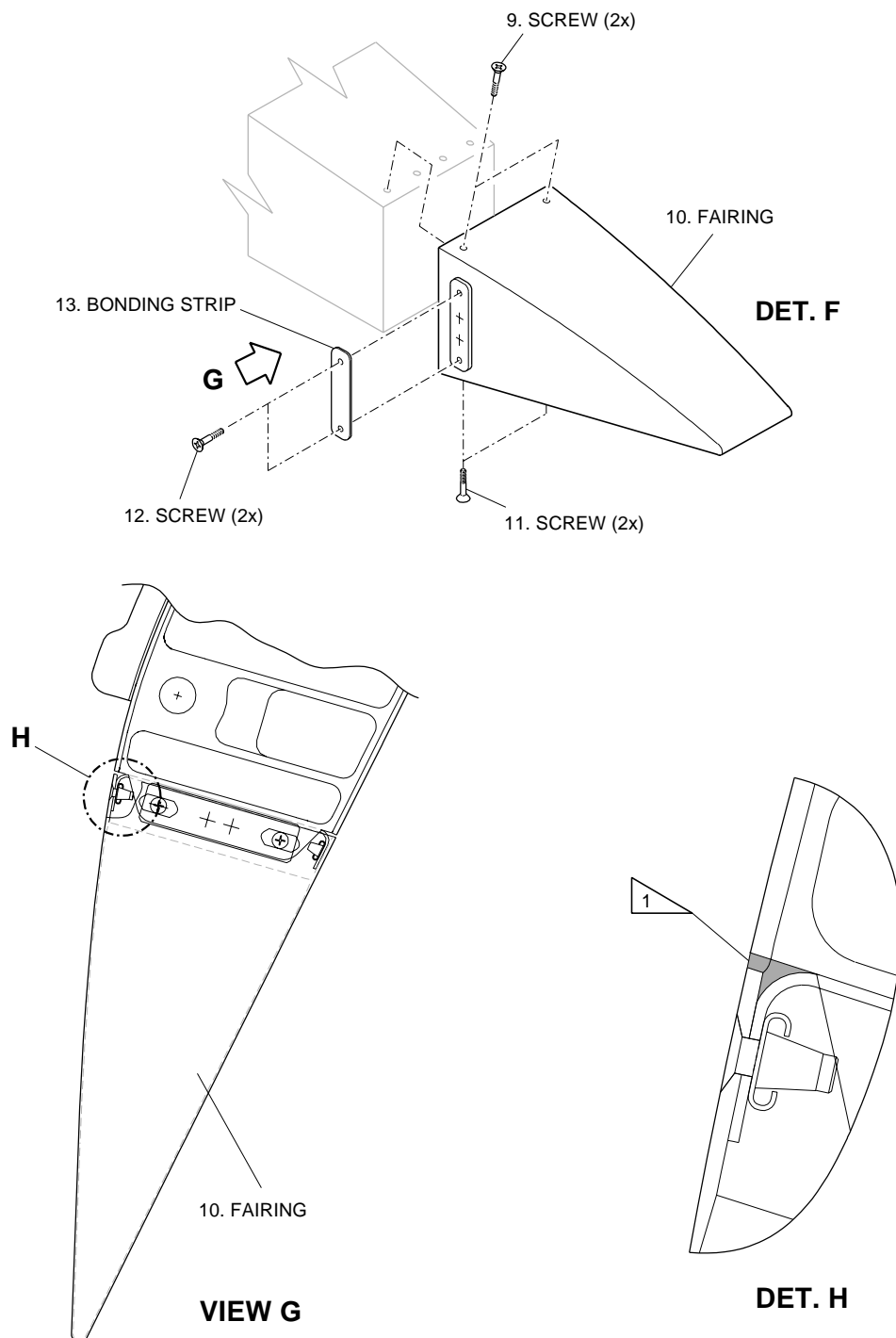
2 APPLY SEALANT P/S 870B-2

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EFFECTIVITY: ALL

Torque Box I, II, III Fairings - Removal/Installation

Figure 401 - Sheet 2



1 APPLY SEALANT P/S 870B-2.

EM145AMM570199A.DGN

TASK 57-50-01-400-801-A

EFFECTIVITY: ALL

3. TORQUE BOX FAIRINGS - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the RH and LH Torque Box I, II and III Fairings.

B. References

REFERENCE	DESIGNATION
SRM 51-20-01	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-S-81733 Type II-2	Sealant, P/S 870B-2	AR
MIL-S-81733 Type IV-12	Sealant, P/S870C-12	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	On the torque box fairing

I. Installation Torque Box I Fairing (Figure 401 - DET. F)

SUBTASK 420-006-A

- (1) Install the fairing (10), as follows:
 - (a) Install the fairing (10), the screws (9), (11), the bonding strip (13) and screw (12). Do not tighten the screws.
 - (b) Set the flap control lever to the 0° position.
 - (c) Align the fairing (10) with the flap trailing edge.
 - (d) Tighten the screws (9) and (11).

WARNING: MAKE SURE THAT THERE ARE NO PERSONS OR EQUIPMENT IN THE FLAP TRAVEL AREA.

- (e) Set the flaps to the 45-degree position.
- (f) On the circuit breaker panel, open the FLAP 1 and FLAP 2 circuit breakers and attach a DO-NOT-CLOSE tag to them.
- (g) Tighten the screw (12).
- (h) Apply aerodynamic sealant P/S 870B-2 (SRM 51-20-01).

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

J. Installation Torque Box II Fairings (Figure 401 - DET. F)

SUBTASK 420-007-A

- (1) Install the fairing (8), as follows:
 - (a) Install the fairing (8) and the screw (7). Do not tighten the screws.
 - (b) Set the flap control lever to the 0° position.
 - (c) Align the fairing (8) with the flap trailing edge.
 - (d) Tighten the screw (7).
 - (e) Apply aerodynamic sealant P/S 870B-2 (SRM 51-20-01).

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

- (2) Install the cover (6), as follows:
 - (a) Set the flap control lever to the 0° position.
 - (b) Apply sealant P/S870C-12 (SRM 51-20-01) to the bolts (5).
 - (c) Install the cover (6) and the bolts (5) and (4).
 - (d) Tighten the bolts (4) and (5).
 - (e) Apply aerodynamic sealant P/S 870B-2 (SRM 51-20-01).

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

K. Installation Torque Box III Fairing (Figure 401 - DET. F)

SUBTASK 420-008-A

- (1) Install the fairing (3), as follows:
 - (a) Set the flap control lever to the 0° position.
 - (b) Install the fairing (3) and the screws (1) and (2).

- (c) Tighten the screws (1) and (2).
- (d) Apply aerodynamic sealant P/S 870B-2 (SRM 51-20-01).

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

L. Follow-on

SUBTASK 842-004-A

- (1) Set the flap control lever to the 0° position and close the FLAP 1 and FLAP 2 circuit breakers.