

HORIZONTAL-STABILIZER LEADING-EDGE ROOT FAIRINGS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the horizontal-stabilizer leading-edge root fairings.
- 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
55-13-00-000-801-A	HORIZONTAL-STABILIZER LEADING-EDGE ROOT FAIRINGS - REMOVAL	ALL
55-13-00-400-801-A	HORIZONTAL-STABILIZER LEADING-EDGE ROOT FAIRINGS - INSTALLATION	ALL

TASK 55-13-00-000-801-A

EFFECTIVITY: ALL

2. HORIZONTAL-STABILIZER LEADING-EDGE ROOT FAIRINGS - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the horizontal-stabilizer leading-edge root fairings.

B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
331		LH Horizontal-Stabilizer Leading Edge
332		RH Horizontal-Stabilizer Leading Edge

C. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the work area	
Commercially available	Torque wrench	To remove the screws	
Commercially available	Acrylic spatula	To remove sealant	

D. Auxiliary Items

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

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH or RH horizontal-stabilizer leading edge

H. Preparation

SUBTASK 841-002-A

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

- (2) On the left electrical power control/distribution box, open the PITCH TRIM 1 circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (3) On the right electrical power control/distribution box, open the PITCH TRIM 2 circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (4) Put a DO-NOT-OPERATE-THE-HORIZONTAL-STABILIZER sign on the pitch trim panel, in the cockpit.

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

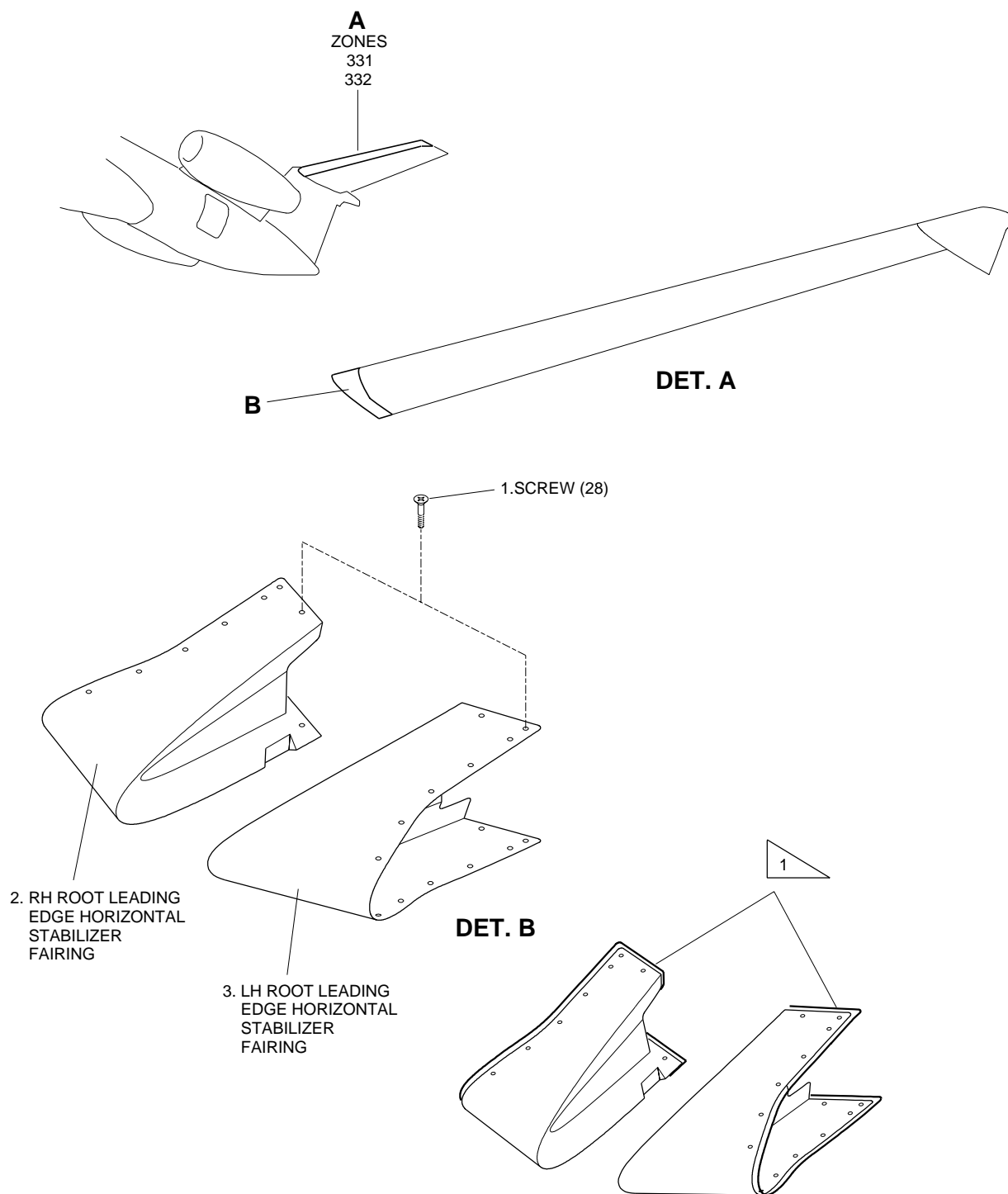
SUBTASK 020-002-A

- (1) Remove the screws (1).
- (2) Remove the LH or RH horizontal-stabilizer leading-edge root fairing (2).

EFFECTIVITY: ALL

Horizontal-Stabilizer Leading-Edge Root Fairings - Removal/Installation

Figure 401



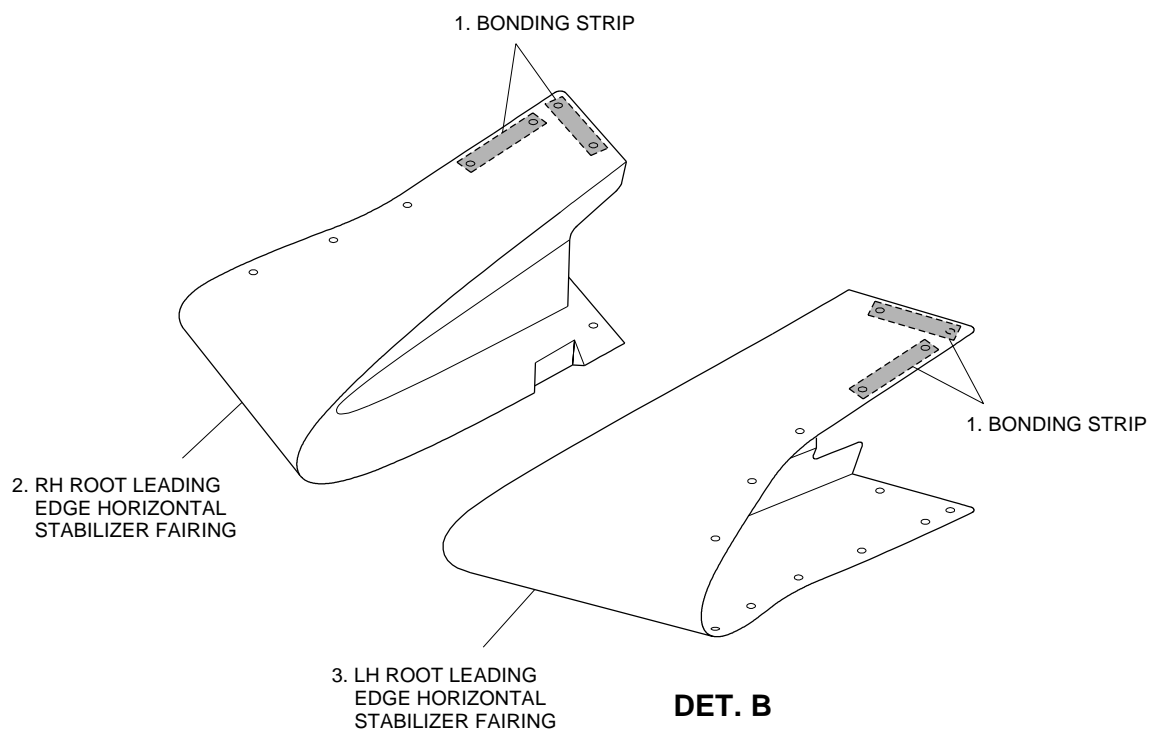
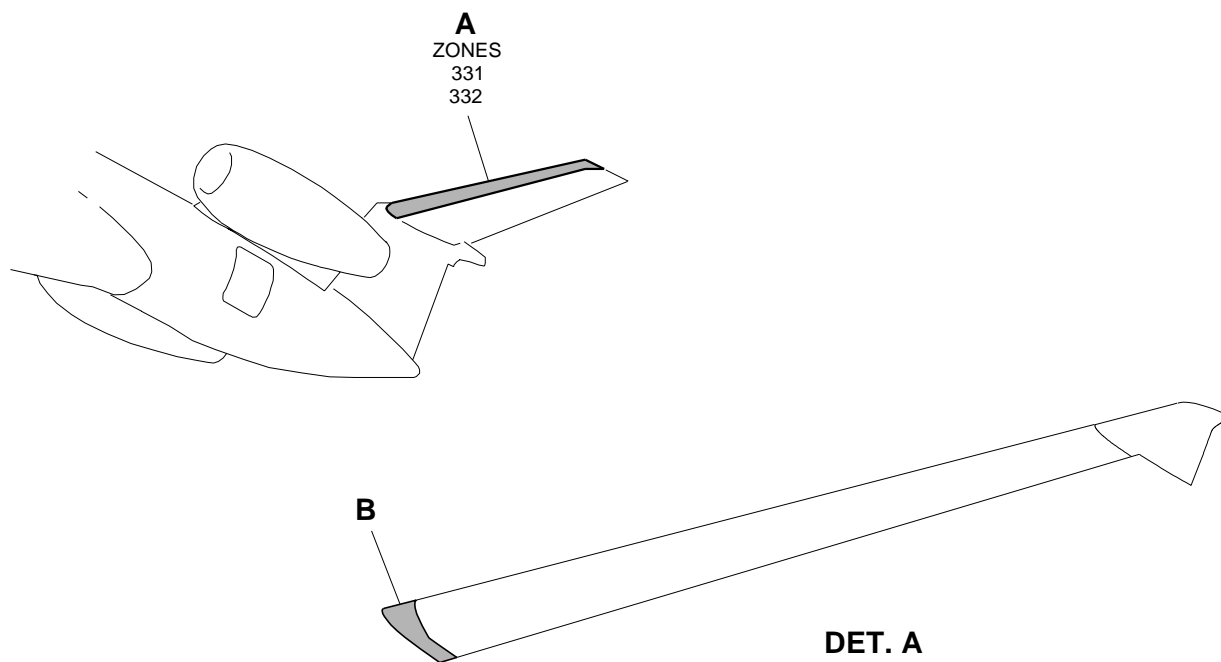
1 AERODYNAMIC SEALING

145AMM550028.MCE B

EFFECTIVITY: ALL

Bonding Strip

Figure 402



EM145AMM550149A.DGN

TASK 55-13-00-400-801-A

EFFECTIVITY: ALL

3. HORIZONTAL-STABILIZER LEADING-EDGE ROOT FAIRINGS - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the horizontal-stabilizer leading-edge root fairings.

B. References

REFERENCE	DESIGNATION
AMM MPP 20-10-01/200	- MAINTENANCE PRACTICES
AMM TASK 20-13-21-700-801-A/200	ELECTRICAL BONDING TEST - STANDARD PROCEDURES
SRM 51-20-01-PR	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
331		LH Horizontal-Stabilizer Leading Edge
332		RH Horizontal-Stabilizer Leading Edge

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the work area	
Commercially available	Torque wrench	To tighten the screws	

E. Auxiliary Items

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

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-PRF-81733 TYPE II - CLASS B	Sealant, PR-2050 B-1/2	AR
Commercially available	Adhesive Tape	AR
Commercially available	Aluminum Tape (AL Tape 425)	AR
Commercially available	Polyethylene Film	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH or RH horizontal-stabilizer leading edge

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Remove the old aerodynamic sealant and prepare the surface (SRM 51-20-01-PR).
- (2) Install the LR or RH horizontal-stabilizer leading-edge root fairing (2).
- (3) Install the screws (1) that attach the horizontal-stabilizer leading-edge root fairing (2) to the structure.

NOTE: For the torque, refer to [AMM MPP 20-10-01/200](#).

- (4) There are different methods to do the aerodynamic sealing between the horizontal-stabilizer leading-edge root fairing (2) and the frame. Use the applicable procedure as necessary.

(a) Full sealant-curing time:

- 1 Apply sealant PR-2050 B-1/2.

NOTE: Sealant curing time will change with the environment conditions.
Refer to SRM 51-20-01-PR.

(b) Acceleration of sealant curing time with heating:

- 1 Apply sealant PR-2050 B-1/2.
- 2 Wait for one hour after the sealant is applied.

CAUTION: THE TEMPERATURE MUST NOT BE HIGHER THAN 55°C (131°F).

- 3 Heat the area which received the sealant.

NOTE: Sealant curing time will change with the environment conditions.
Refer to SRM 51-20-01-PR.

(c) Application of aluminum tape after the tack-free time.

NOTE: This procedure must only be done when a faster aircraft clearance is necessary.

- 1 Apply sealant PR-2050 B-1/2.
- 2 You can accelerate the sealant curing time as given in paragraph (b).
- 3 When sealant is tack-free, apply aluminum tape.

NOTE: You can operate the aircraft immediately after the aluminum tape application.

4 Remove the aluminum tape after 150 hours.

(d) Application of polyethylene film and aluminum tape.

1 Apply sealant PR-2050 B-1/2.

2 Apply a polyethylene film on the sealant.

3 Apply the aluminum tape.

NOTE: You can operate the aircraft immediately after the aluminum tape application.

4 Remove the aluminum tape after 10 days.

J. Follow-on (Figure 402)

SUBTASK 842-002-A

- (1) On the circuit breaker panel, close the PITCH TRIM 1 and 2 circuit breakers and remove the DO-NOT-CLOSE tag from them.
- (2) On the left electrical power control/distribution box, close the PITCH TRIM 1 circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (3) On the right electrical power control/distribution box, close the PITCH TRIM 2 circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (4) Remove the DO-NOT-OPERATE-THE-HORIZONTAL-STABILIZER sign from the pitch trim panel, in the cockpit.
- (5) Do the electrical-bonding test procedure as given in [AMM TASK 20-13-21-700-801-A/200](#). Refer to (Figure 402) for bonding strip location.