

HORIZONTAL-STABILIZER ATTACHMENT FAIRING - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the horizontal-stabilizer attachment fairing.
- 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 |
|--------------------|----------------------------------------------------------------|-------------|
| 55-14-00-000-801-A | HORIZONTAL-STABILIZER ATTACHMENT ALL FAIRING - REMOVAL | |
| 55-14-00-400-801-A | HORIZONTAL-STABILIZER ATTACHMENT ALL FAIRING - INSTALLATION | |

TASK 55-14-00-000-801-A

EFFECTIVITY: ALL

2. HORIZONTAL-STABILIZER ATTACHMENT FAIRING - REMOVAL

A. General

(1) This procedure gives the instructions to remove the horizontal-stabilizer attachment fairing.

B. References

| REFERENCE | DESIGNATION |
|-----------------|-------------|
| SRM 51-20-01-PR | - |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|-----------------------|
| 335 | | Horizontal stabilizer |
| 336 | | Horizontal stabilizer |

D. 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 old sealant | |

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 |
|--------------------------|---------------------------|-----|
| ASTM-D-740 | Methyl Ethyl Ketone - MEK | AR |

G. Expandable Parts

Not Applicable

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|--------------------------|
| 1 | Does the task | On stabilizer horizontal |

I. 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) In the left electrical power control/distribution box, open the PITCH TRIM 1 circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (3) In 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.

J. Lower Fairing - Removal (Figure 401)

SUBTASK 020-002-A

- (1) Remove the screw (2).
- (2) Remove the lower fairing (1).
- (3) Remove the old aerodynamic sealant and prepare the surface. Refer to SRM 51-20-01-PR.

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

- (4) With a cloth soaked in MEK, clean the surface.

K. Lower Middle Fairing - Removal (Figure 401)

SUBTASK 020-003-A

- (1) Remove the screw (2).
- (2) Remove the fairing tip (1).
- (3) Remove the old aerodynamic sealant and prepare the surface. Refer to SRM 51-20-01-PR.

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

- (4) With a cloth soaked in MEK, clean the surface.

L. Upper Fairing - Removal ([Figure 401](#))

SUBTASK 020-004-A

- (1) Remove the screws (2).
- (2) Remove the upper fairing (1).
- (3) Remove the old aerodynamic sealant and prepare the surface. Refer to SRM 51-20-01-PR.

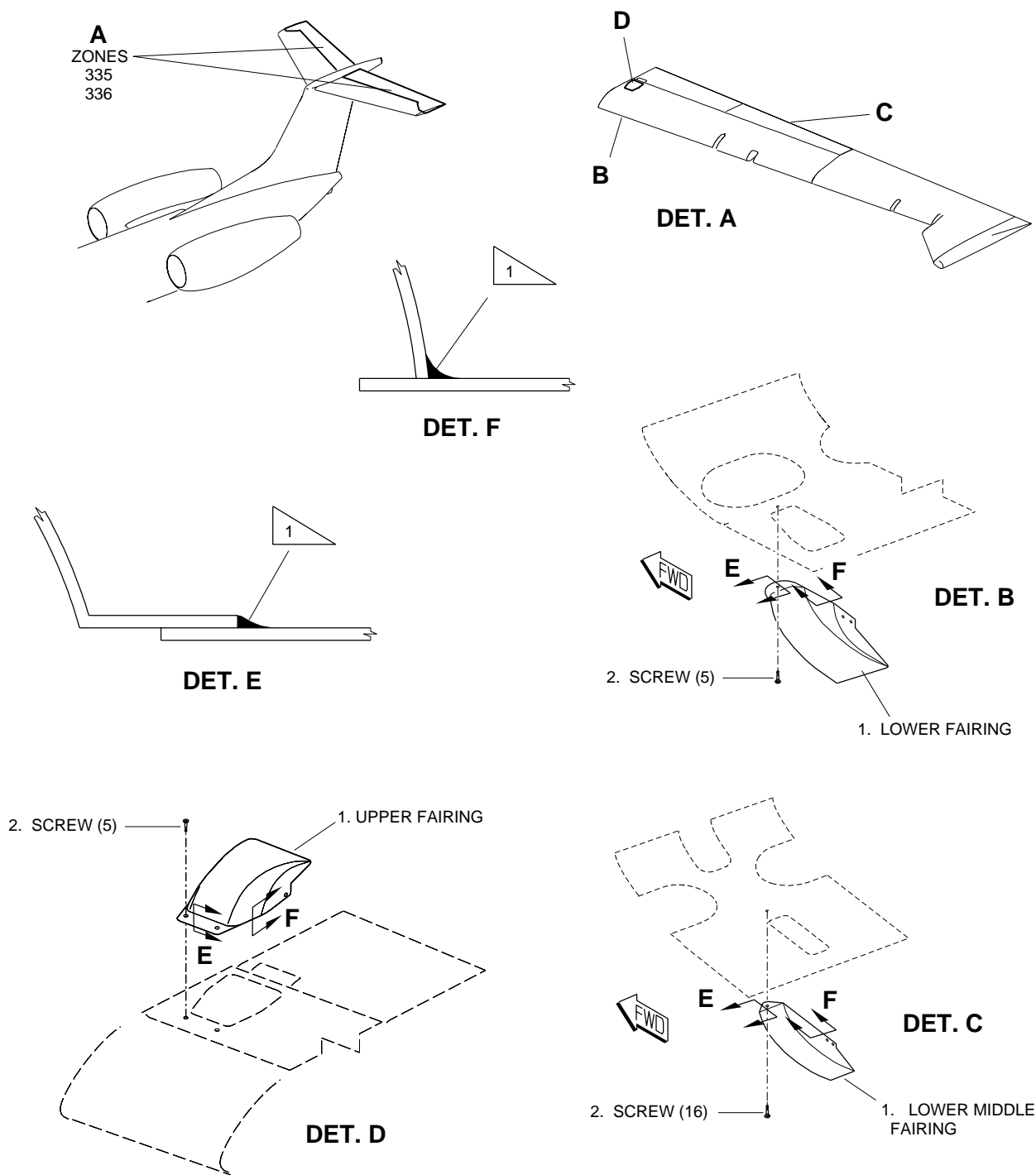
WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.

- (4) With a cloth soaked in MEK, clean the surface.

EFFECTIVITY: ALL

Horizontal-Stabilizer Attachment Fairing - Removal/Installation

Figure 401



1 AERODYNAMIC SEALING

145AMM550014.MCE C

TASK 55-14-00-400-801-A

EFFECTIVITY: ALL

3. HORIZONTAL-STABILIZER ATTACHMENT FAIRING - INSTALLATION

A. General

(1) This procedure gives the instructions to install the horizontal-stabilizer attachment fairing.

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 |
|------|------------|-----------------------|
| 335 | | Horizontal stabilizer |
| 336 | | Horizontal stabilizer |

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 |
|------------------------|------------------------|-----|
| MEP 09-083 | Sealant, PR 2050 B-1/2 | AR |
| Commercially available | Adhesive Tape | AR |

G. Expandable Parts

Not Applicable

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|-----------------------|
| 1 | Does the task | Horizontal stabilizer |

I. Lower Fairing - Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install the lower fairing (1). Refer to (Figure 401); DET. B.
- (2) Install the screws (2) that attach the lower fairing (1) to the horizontal stabilizer.
NOTE: For the torque, refer to [AMM MPP 20-10-01/200](#).
- (3) Apply aerodynamic sealant PR 2050 B-1/2. Refer to (Figure 401).
NOTE: The sealant curing time changes with the environmental conditions. Refer to SRM 51-20-01-PR.

J. Lower Middle Fairing - Installation (Figure 401)

SUBTASK 420-003-A

- (1) Install the lower middle fairing (1). Refer to (Figure 401); DET. C.
- (2) Install the screws (2) that attach the lower middle fairing (1) to the horizontal stabilizer.
NOTE: For the torque, refer to [AMM MPP 20-10-01/200](#).
- (3) Apply aerodynamic sealant PR 2050 B-1/2. Refer to (Figure 401).
NOTE: The sealant curing time changes with the environmental conditions. Refer to SRM 51-20-01-PR.

K. Upper Fairing - Installation (Figure 401)

SUBTASK 420-004-A

- (1) Install the upper fairing (1). Refer to (Figure 401); DET. D.
- (2) Install the screws (2) that attach the upper fairing (1) to the horizontal stabilizer.
NOTE: For the torque, refer to [AMM MPP 20-10-01/200](#).
- (3) Apply aerodynamic sealant PR 2050 B-1/2. Refer to (Figure 401).
NOTE: The sealant curing time changes with the environmental conditions. Refer to SRM 51-20-01-PR.

L. Follow-on

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) In the left electrical power control/distribution box, close the PITCH TRIM 1 circuit breaker and remove the DO-NOT-CLOSE tag from it.

- (3) In the right 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](#).