



## AIRCRAFT MAINTENANCE MANUAL

### HORIZONTAL-STABILIZER LEADING-EDGE ROOT-FAIRINGS POLYURETHANE FILM - REMOVAL/ INSTALLATION

*EFFECTIVITY: ALL*

#### 1. General

- A. This section gives the procedures to remove and apply the horizontal-stabilizer leading-edge root-fairing polyurethane film.
- 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 |
|--------------------|---|-------------|
| 55-15-01-000-801-A | HORIZONTAL-STABILIZER LEADING-EDGE ROOT-FAIRING POLYURETHANE FILM -REMOVAL      | ALL         |
| 55-15-01-400-801-A | HORIZONTAL-STABILIZER LEADING-EDGE ROOT-FAIRING POLYURETHANE FILM -INSTALLATION | ALL         |



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TASK 55-15-01-000-801-A

EFFECTIVITY: ALL

2. HORIZONTAL-STABILIZER LEADING-EDGE ROOT-FAIRING POLYURETHANE FILM -REMOVAL

A. General

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

B. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION              |
|------|------------|-----------------------|
| 333  |            | Horizontal stabilizer |
| 334  |            | Horizontal stabilizer |

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

| ITEM                   | DESCRIPTION | PURPOSE                | QTY |
|------------------------|-------------|------------------------|-----|
| Commercially available | Spatula     | To remove the old film | 1   |

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

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

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

SUBTASK 020-002-A

- (1) Prepare the new film with the old film as a template. Mark the contour to cut the excess material of the new film to the correct size. Refer to steps A and B.

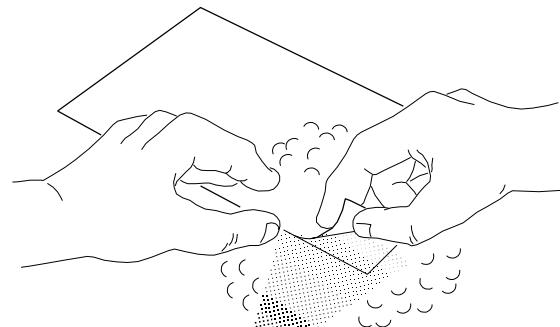
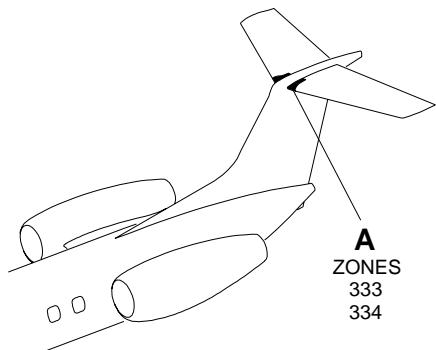
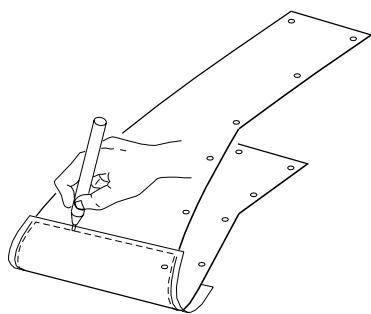
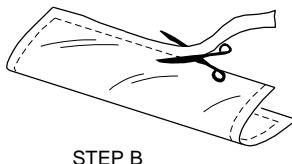
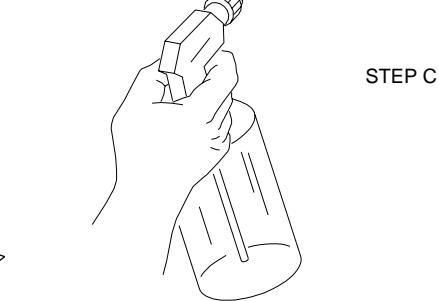
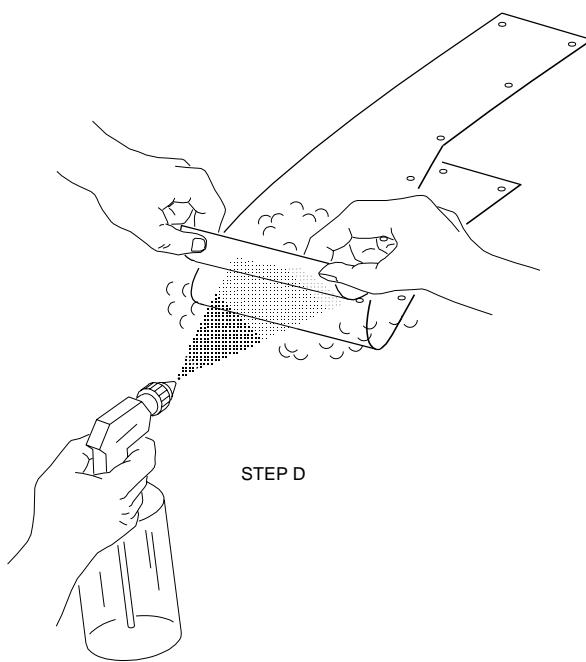
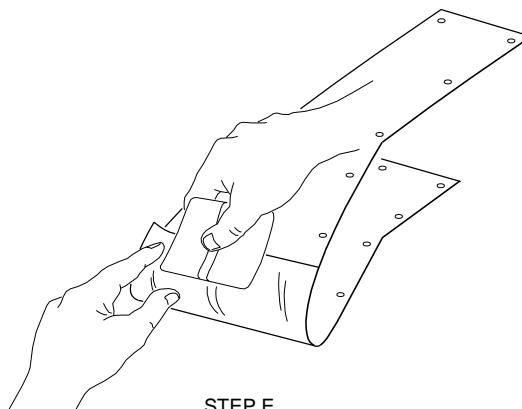
**CAUTION: BE CAREFUL WHEN YOU REMOVE THE OLD FILM TO PREVENT DAMAGE TO THE FAIRING SURFACE.**

- (2) Remove the old polyurethane film. For this, use a spatula and pull the film.

**EFFECTIVITY: ALL**

Horizontal-Stabilizer Leading-Edge Root-Fairing Polyurethane Film -Removal/Installation

Figure 401


**DET. A**

**STEP A**

**STEP B**

**STEP C**

**STEP D**

**STEP E**

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TASK 55-15-01-400-801-A

EFFECTIVITY: ALL

3. HORIZONTAL-STABILIZER LEADING-EDGE ROOT-FAIRING POLYURETHANE FILM - INSTALLATION

A. General

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

B. References

| REFERENCE                       | DESIGNATION  |
|---------------------------------|--|
| AMM TASK 55-15-01-000-801-A/400 | HORIZONTAL-STABILIZER LEADING-EDGE ROOT-FAIRING POLYURETHANE FILM -REMOVAL |
| IPC 11-21-05                    | EXTERIOR DECAL, CORROSION PROTECTION                                       |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION              |
|------|------------|-----------------------|
| 333  |            | Horizontal stabilizer |
| 334  |            | Horizontal stabilizer |

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

| ITEM                   | DESCRIPTION | PURPOSE  | QTY |
|------------------------|-------------|--|-----|
| Commercially available | Spatula     | To squeegee unapplied film and eliminate air bubbles | 1   |

F. Consumable Materials

| SPECIFICATION (BRAND) | DESCRIPTION              | QTY |
|-----------------------|--------------------------|-----|
| MEP 21-012            | Neutral Liquid Detergent | AR  |
| FED. SPEC. TT-I-735   | Isopropyl Alcohol        | AR  |

G. Expendable Parts

| ITEM              | IPC REFERENCE (VENDOR REFERENCE) | QTY |
|-------------------|----------------------------------|-----|
| Polyurethane film | IPC 11-21-05                     | AR  |

H. Persons Recommended

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



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(Continued)

| QTY | FUNCTION                   | PLACE                 |
|-----|----------------------------|-----------------------|
| 1   | Helps the other technician | Horizontal stabilizer |

I. Preparation (Figure 401)

SUBTASK 841-002-A

- (1) Fully mix neutral liquid detergent with isopropyl alcohol and water. The solution must contain approximately 2.5% of liquid detergent, 24.5% of isopropyl alcohol, and 73% of water.

J. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Use the old film as a reference to cut the new film to the correct size. Refer to steps A and B ([AMM TASK 55-15-01-000-801-A/400](#)).

- (2) Clean the tip surface and the polyurethane film with a cloth wet with isopropyl alcohol.

**CAUTION:** DO NOT PERMIT THE ADHESIVE SIDE OF THE FILM TO BE TOUCHED TO PREVENT FINGERPRINTS AND LOSS OF ADHESIVENESS.

- (3) Separate the liner from the film and spray the detergent solution on the adhesive surface at the same time. Refer to step C.

- (4) Wet the tip surface with detergent solution.

- (5) Align the film and press on edge to surface with fingers. Refer to step D.

**CAUTION:** IF AIR BUBBLE OCCURS, DO NOT MAKE A HOLE IN THE FILM TO ELIMINATE THE AIR BUBBLE.

- (6) Squeeze the water out from the tip with the spatula. Refer to step E.

**NOTE:** If an air bubble occurs, pull the film back until you get to the location of the air bubble, spray with detergent solution, and apply the film again.

- (7) After one hour, the fairing with the film is ready for service.

