



AIRCRAFT MAINTENANCE MANUAL

WING TIP POLYURETHANE FILM - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the polyurethane film from the wing tip.
- 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
57-30-02-000-801-A	WING TIP POLYURETHANE FILM - REMOVAL	ALL
57-30-02-400-801-A	WING TIP POLYURETHANE FILM - INSTALLATION	ALL



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TASK 57-30-02-000-801-A

EFFECTIVITY: ALL

2. WING TIP POLYURETHANE FILM - REMOVAL

A. General

- (1) This task gives the procedure to remove the polyurethane film from the wing tip.

B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
561		LH Wing tip
661		RH Wing tip

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Acrylic spatula	To release the old polyurethane film	1
Commercially available	Porous-point pen marker	To make marks on the wing tip surface	1

E. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Fed. Spec. TT-M-261	Methyl-ethyl-ketone (MEK)	AR

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Wing tip

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

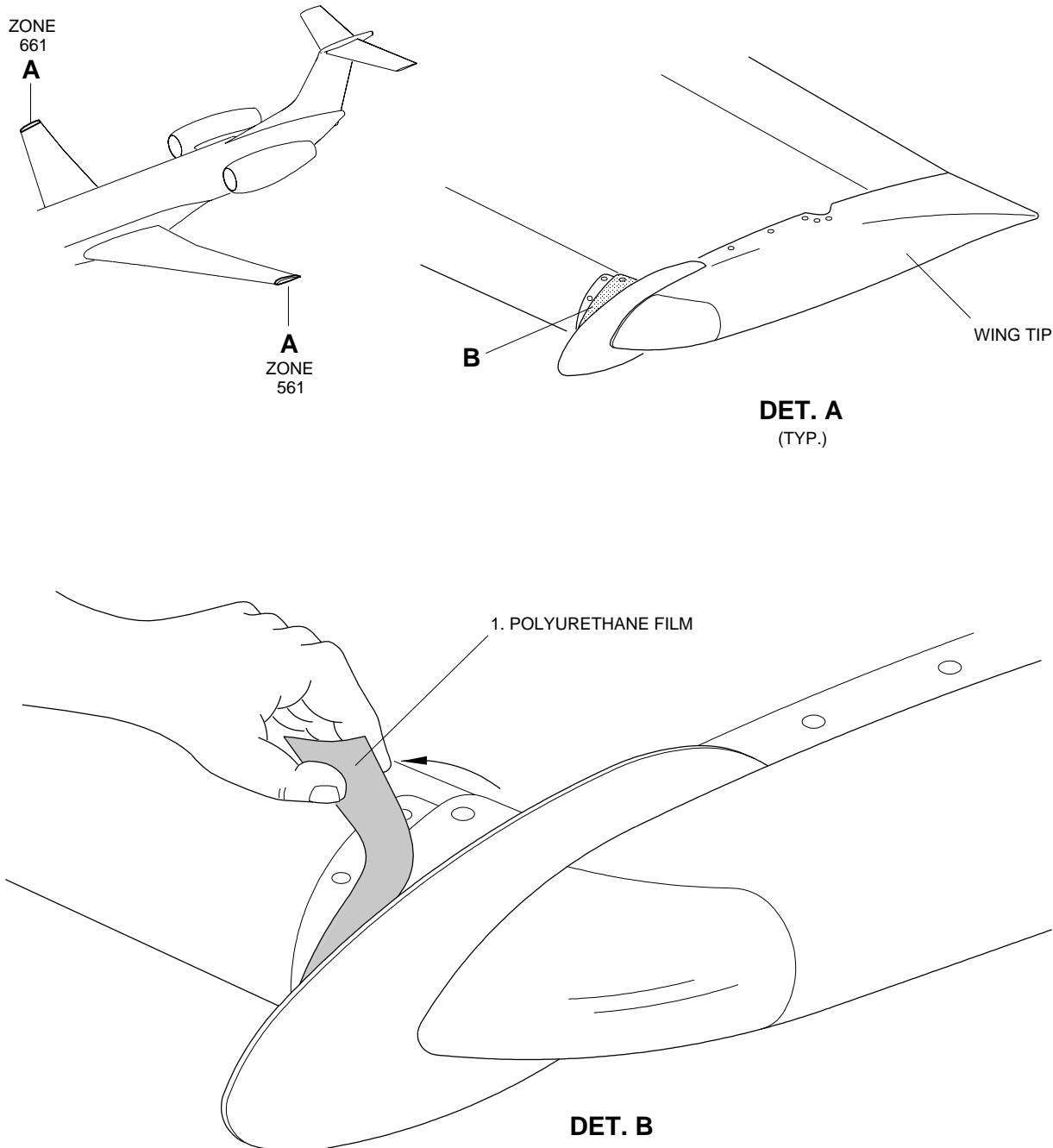
SUBTASK 020-002-A

- (1) Put the new polyurethane film (1) over the wing tip surface.
- (2) With the old polyurethane film (1) used as a template, mark a contour on the new film and a reference position on the wing tip surface.
- (3) Use the spatula to release the border of the old polyurethane film (1).
- (4) Refer to [Figure 401](#) and remove the old polyurethane film (1).

EFFECTIVITY: ALL

Wing-Tip Polyurethane Film - Removal

Figure 401

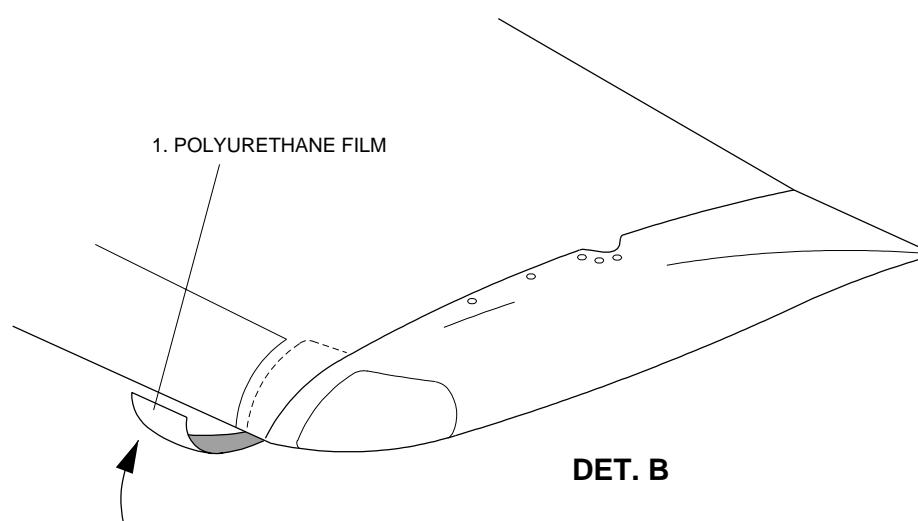
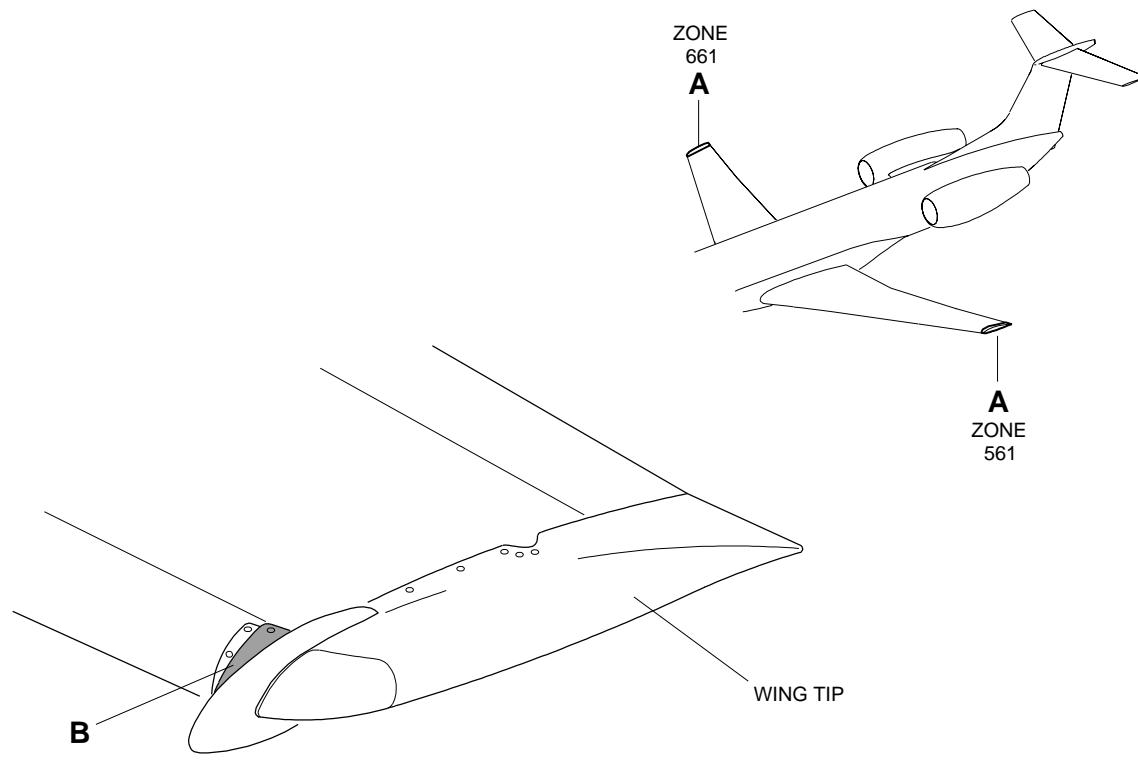


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EFFECTIVITY: ALL

Wing Tip Polyurethane Film - Installation

Figure 402



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TASK 57-30-02-400-801-A

EFFECTIVITY: ALL

3. WING TIP POLYURETHANE FILM - INSTALLATION

A. General

(1) This task gives the procedure to install the polyurethane film on the wing tip.

B. References

REFERENCE	DESIGNATION
IPC 11-21-05	EXTERIOR DECAL, CORROSION PROTECTION
MEP 21-012	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
561		LH Wing tip
661		RH Wing tip

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

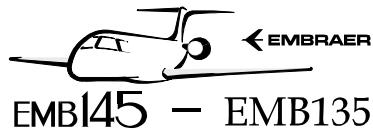
ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Cutter	To cut the excess polyurethane film	1
Commercially available	Acrylic Spatula	To squeeze the new polyurethane film	1
Commercially available	Rubber Gloves	Hand Protection	AR

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Fed. Spec. TT-M-261	Methyl-ethyl-ketone (MEK)	AR
Fed. Spec. TT-I-735	Isopropyl alcohol	AR
MEP 21-012	Neutral liquid detergent	AR

G. Expendable Parts

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



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H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Wing tip

I. Preparation

SUBTASK 841-002-A

WARNING: WEAR RUBBER GLOVES TO PROTECT YOURSELF AGAINST CHEMICAL PRODUCT.

- (1) Fully mix 2.5% neutral liquid detergent MEP 21-012 in 3.8 liters of a solution of 24.5% isopropyl alcohol and 73% water.

J. Installation (Figure 402)

SUBTASK 57-002-A

CAUTION: THE WING TIP SURFACE MUST BE FREE OF OIL, GREASE, AND RESIN.

- (1) With a cloth soaked in isopropyl alcohol, clean the wing tip surface and the polyurethane film (1).

CAUTION: • DO NOT TOUCH THE ADHESIVE SIDE OF THE FILM TO PREVENT FINGERPRINTS AND LOSS OF ADHESIVENESS.
• THE ADHESIVE SURFACES OF THE POLYURETHANE FILM MUST NOT BE JOINED TOGETHER.

- (2) Release the liner protection from the new polyurethane film (1) and, at the same time, spray the detergent solution on the adhesive surface.

- (3) Spray detergent solution over the wing tip surface.

- (4) Refer to (Figure 402) and install the new polyurethane film (1).

- (5) With a spatula, squeeze the detergent solution off the wing tip.

NOTE: If air bubbles appear, do not puncture the film to avoid the loss of its effectiveness. Pull the film back to the air bubble location, spray with detergent solution, and apply the film again.

- (6) Use the cutter to cut off the film areas that interfere with the screws and those which are outside the marked area.

- (7) One hour after the application of the polyurethane film (1), the wing tip fairing is ready for service.