



AIRCRAFT
MAINTENANCE MANUAL

PYLON LEADING-EDGE POLYURETHANE FILM - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and apply the polyurethane film on the leading edge of the pylon.
- 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
54-55-01-000-801-A	PYLON LEADING-EDGE POLYURETHANE ALL FILM - REMOVAL	
54-55-01-400-801-A	PYLON LEADING-EDGE POLYURETHANE ALL FILM - INSTALLATION	



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TASK 54-55-01-000-801-A

EFFECTIVITY: ALL

2. PYLON LEADING-EDGE POLYURETHANE FILM - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the polyurethane film from the leading edge of the pylon.

B. References

REFERENCE	DESIGNATION
AMM TASK 54-55-01-200-801-A/600	PYLON POLYURETHANE FILM - INSPECTION/ CHECK
IPC 11-21-05	EXTERIOR DECAL, CORROSION PROTECTION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
414		LH Pylon
424		RH Pylon

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

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	Pylon

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

SUBTASK 020-002-A

- (1) Do the Pylon Leading-Edge Polyurethane Film inspection ([AMM TASK 54-55-01-200-801-A/600](#)).
- (2) Put the new polyurethane film over the leading edge surface.



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(3) With the old polyurethane film used as a reference, mark the contour on the new film.
(Refer to step A).

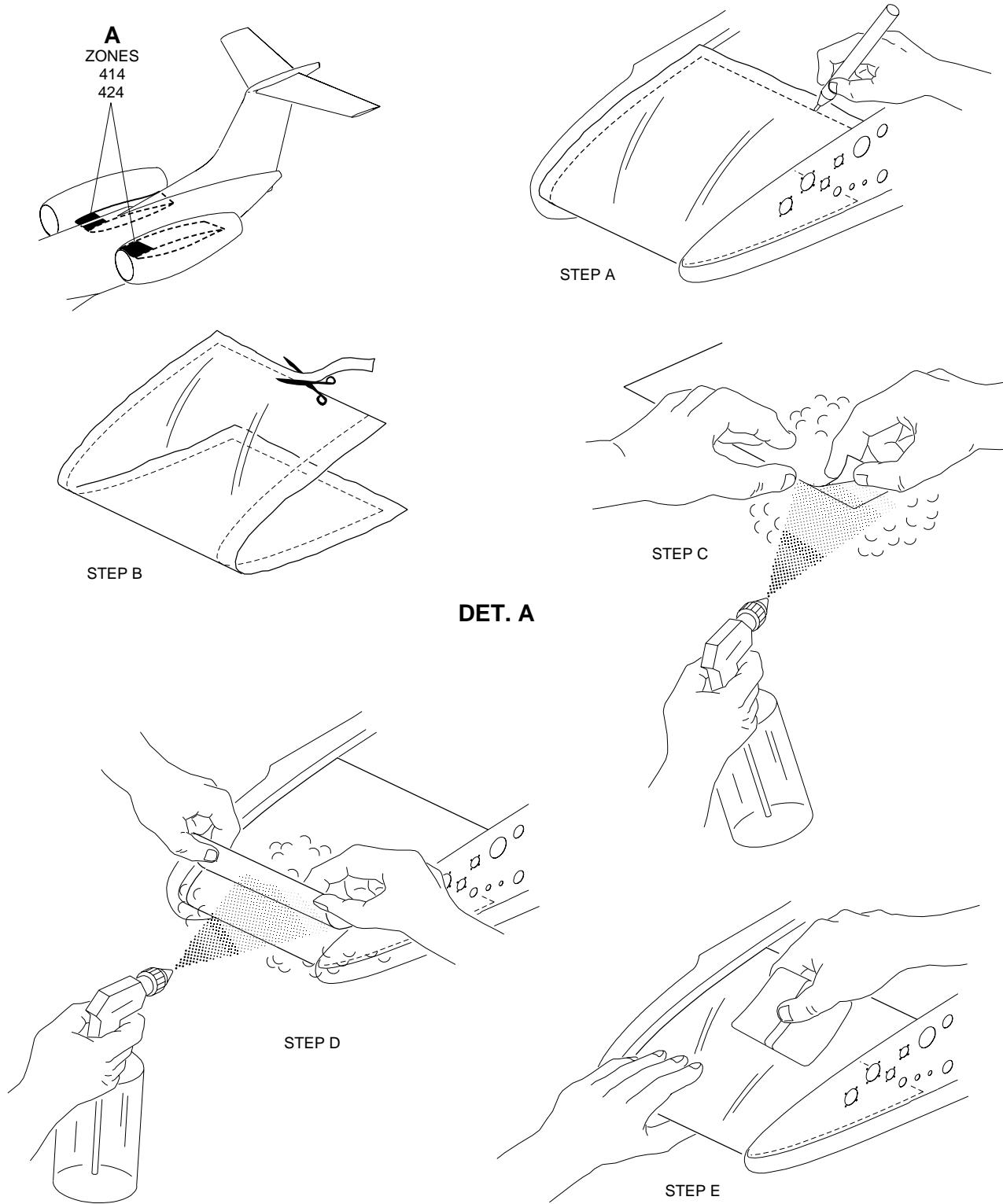
(4) Remove the new polyurethane film.

(5) Cut the excess material with a pairs of scissors (Refer to step B).

CAUTION: BE CAREFUL WHEN YOU REMOVE THE OLD FILM TO PREVENT TO THE PYLON LEADING-EDGE SURFACE.

(6) Remove the old polyurethane film with a spatula.

EFFECTIVITY: ALL
Pylon Polyurethane Film
Figure 401



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TASK 54-55-01-400-801-A

EFFECTIVITY: ALL

3. PYLON LEADING-EDGE POLYURETHANE FILM - INSTALLATION

A. General

- (1) This procedure gives the instructions to apply the polyurethane film to the leading edge of the pylon.

B. References

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

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
414		LH Pylon
424		RH Pylon

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Plastic applicator	To squeegee unapplied film and eliminate air bubbles	1

F. Consumable Materials

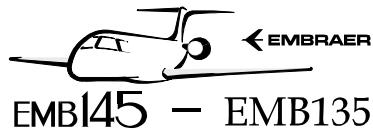
SPECIFICATION (BRAND)	DESCRIPTION	QTY
MEP 21-012	Liquid Detergent Neutral	AR
FED. SPEC. TT-I-735	Isopropyl Alcohol	AR

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	Pylon



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I. Preparation (Figure 401)

SUBTASK 841-002-A

- (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 401)

SUBTASK 420-002-A

- (1) Clean the pylon leading-edge surface with a cloth wet with isopropyl alcohol.

CAUTION: • DO NOT LET ONE ADHESIVE SIDE TOUCH THE OTHER ADHESIVE SIDE OF THE FILM.
• DO NOT TOUCH THE FILM ADHESIVE WITH YOUR HAND TO PREVENT FINGERPRINTS AND LOSS OF ADHESIVENESS.

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

- (3) Spray the pylon leading-edge surface with detergent solution.

NOTE: If air bubble occurs, do not puncture the film to eliminate the air bubble.

- (4) Squeeze the water out from the pylon leading edge with the plastic applicator. 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 detergent solution, and apply the film again.

- (5) After one hour, the polyurethane film is ready for service.