



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

PYLON LEADING-EDGE POLYURETHANE FILM - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. The procedures given in this section are applicable to the inspection of the pylon polyurethane film for erosion or small damage.
- 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
54-55-01-200-801-A ♦	PYLON POLYURETHANE FILM - INSPEC- TION/CHECK	ALL



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TASK 54-55-01-200-801-A

EFFECTIVITY: ALL

2. PYLON POLYURETHANE FILM - INSPECTION/CHECK

A. General

- (1) This task gives the procedures to do a visual inspection on the pylon polyurethane film.

B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
414/424		Pylon

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MEP13-073	Rhodiasolve E-23	AR
MEP21-012	Neutral liquid detergent	AR

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Outside the aircraft

H. Preparation

SUBTASK 841-002-A

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

CAUTION: THE PYLON POLYURETHANE FILM MUST BE FREE OF OIL, GREASE, AND RESIN.

- (1) To remove fingerprints, dirt, and minor contaminants:
 - (a) Lightly rub the surface of the pylon with a soft cloth soaked in neutral detergent.
 - (b) Clean the surface with water to remove the detergent from the pylon.
 - (c) Dry the wet surface with a soft clean cloth or permit it to air-dry.
- (2) To remove oil, grease, or other heavy contaminants:



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- (a) Lightly rub the surface of the pylon with a soft cloth soaked in Rhodiasolve E-23 or similar product.
- (b) Rub the area with a clean dry cloth before the solvent evaporation.

I. Inspect (Visual Inspection) the Pylon Polyurethane Film (Figure 601)

SUBTASK 212-002-A

- (1) Visually inspect the pylon polyurethane film for erosion or small damages.
- (2) If you find damage or missing polyurethane film part, do as follows:
 - (a) Do a check to see if the aircraft structure is also damaged. If it is, refer to the applicable section of the SRM. If not, do the steps that follow:
 - 1 If the aircraft must be released immediately, do these steps below:
 - a Release the aircraft for up to 50 FC.
 - b Within the 50 FC, apply speed tape, according to SRM PART II 51-71-12/1 and inspect the damaged area weekly to make sure that the speed tape is in perfect condition, or replace the affected polyurethane film.
 - c If the speed tape is applied, release the aircraft up to next heavy maintenance check. However, the operator may reduce this interval check at his discretion.
 - 2 If it is not necessary to release the aircraft immediately, do the replacement of the polyurethane film and make sure that there is no damage on aircraft structure. Refer to AMM 54-55-01/4.

