



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

APU MOUNTS - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives procedures to do the inspection on the APU mounts.
- 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
49-12-00-200-801-A	APU MOUNTS - INSPECTION	ALL



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TASK 49-12-00-200-801-A

EFFECTIVITY: ALL

2. APU MOUNTS - INSPECTION

A. General

- (1) This task gives the necessary instructions to inspect the APU mounts.

B. References

REFERENCE	DESIGNATION
AMM TASK 49-11-00-000-801-A/400	APU COWLING - REMOVAL
AMM TASK 49-11-00-400-801-A/400	APU COWLING - INSTALLATION
AMM TASK 49-15-00-000-801-A/400	APU COWLING - REMOVAL
AMM TASK 49-15-00-400-801-A/400	APU COWLING - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
313	313	APU Compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the APU work area	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	APU work area

I. Preparation

**SUBTASK 841-002-A**

**WARNING: MAKE SURE THAT THE APU CONTROL MASTER SWITCH IS IN THE OFF POSITION TO PREVENT AN APU ACCIDENTAL OPERATION.**

- (1) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tags to them:



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- APU FUEL SOV.
- (2) On the left power control and distribution box, open the APU GEN START circuit breaker and attach DO-NOT-CLOSE tag to it.
- (3) Remove the APU cowling ( [AMM TASK 49-11-00-000-801-A/400](#) or [AMM TASK 49-15-00-000-801-A/400](#), as applicable) to get access to the APU.

J. Inspection ([Figure 601](#))

SUBTASK 210-002-A

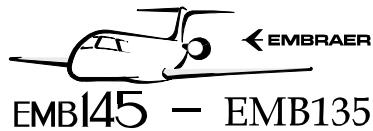
**WARNING: DO NOT TOUCH THE APU COMPONENTS UNTIL THEY ARE COOL. THE TEMPERATURE STAYS HOT AFTER THE APU STOPS.**

- (1) Examine all lockwires and cotter pins. Tighten and/or replace as necessary.
- (2) Examine all metal parts for cracks, excessive nicks, gouges, or scratches. Replace the defective parts as necessary.
- (3) Examine the elastomers for attack by oil or other fluids as shown by a swollen or too soft elastomer.
- (4) Examine each elastomeric mount for contamination. If applicable, clean with a dry, lint-free cloth.
- (5) Examine the elastomers for loss of flexibility, which would cause loss of resilience. Replace all defective parts as necessary.

**CAUTION:** • THE LIMITS IN STEPS (6) AND (7) BELOW MUST NOT BE EXCEEDED. IF NEAR-TO-LIMIT PARTS ARE FOUND, THEY MUST BE PERIODICALLY MONITORED TO MAKE SURE THAT THE LIMITS ARE NOT EXCEEDED.

• CRACKS, CUTS, AND BOND SEPARATION DEPTH MUST BE MEASURED WITH A SMALL SCALE (OR PIECE OF SHIM STOCK) PUT INTO THE CRACKS AS FAR AS POSSIBLE. RELEASE ALL PRESSURE ON THE SCALE. READ THE DEPTH WITH NO FORCE OR PRESSURE ON THE SCALE.

- (6) Examine the elastomers for cuts or cracks which are deeper than 2.54 mm (0.10"). Replace the affected parts.
- (7) Examine the elastomer-metal bond separations which:
  - Are deeper than 2.54 mm (0.10").
  - Are deeper than 1.52 mm (0.06") and go approximately one third of the elastomer-metal interface.
  - Replace the affected parts.



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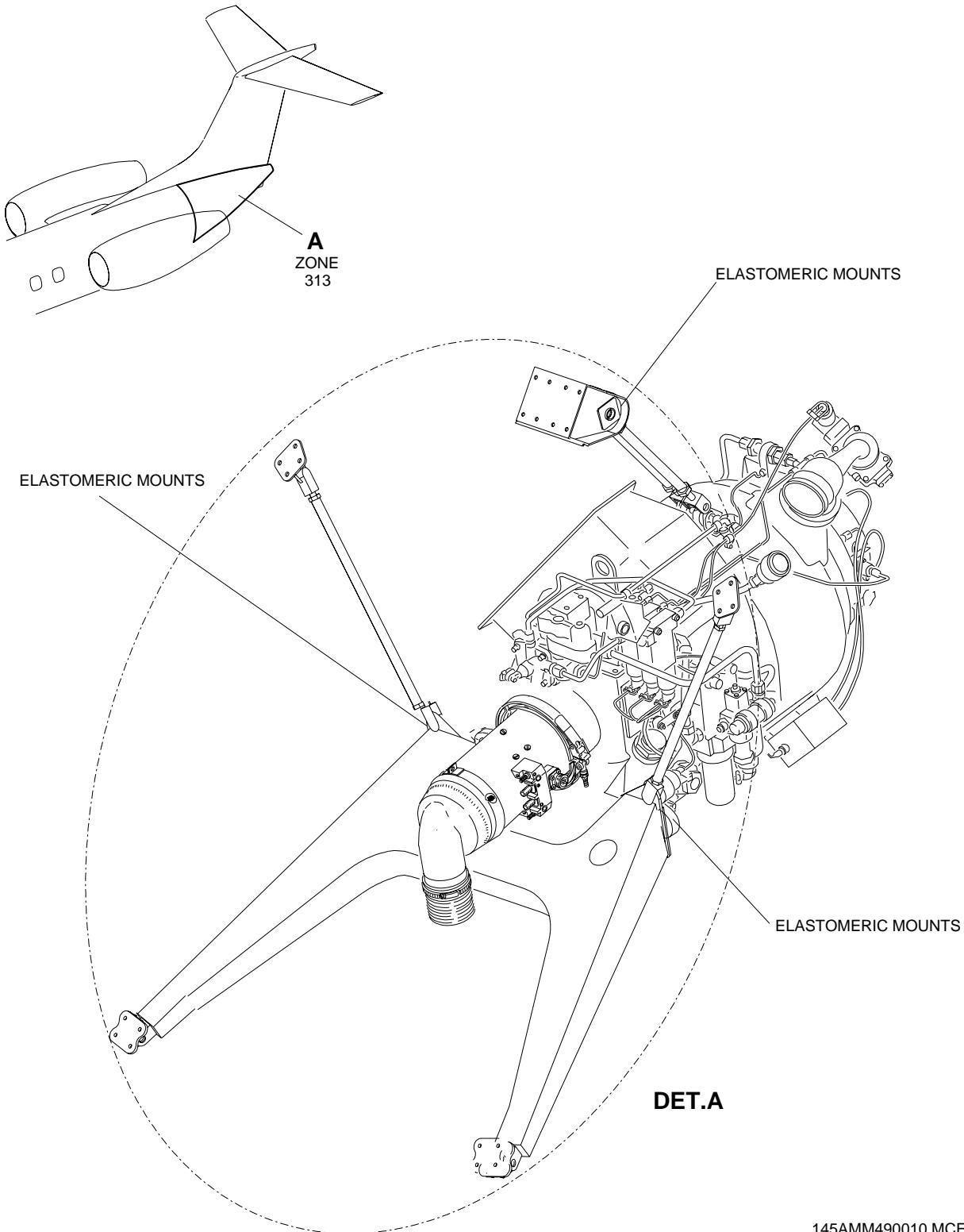
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K. Follow-on

SUBTASK 842-002-A

- (1) Install the APU cowling ( [AMM TASK 49-11-00-400-801-A/400](#) or [AMM TASK 49-15-00-400-801-A/400](#), as applicable).
- (2) Remove the DO-NOT-CLOSE tags and close these circuit breakers:
  - APU FUEL SOV.
- (3) On the left power control and distribution box, remove the DO-NOT-CLOSE tag and close the APU GEN START circuit breaker.

**EFFECTIVITY: ALL**  
 APU Mounts - Inspection  
 Figure 601



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