

BIN&PSU STRUCTURE - INSPECTION/CHECK

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the procedures to do an inspection/check in the inboard and outboard Bin/PSU mounting tubes.
- B. The inboard and outboard Bin/PSU mounting tubes are installed in the passenger cabin of the aircraft, Zones 233, 234, 243, 244, 253, 254, 263 and 264.
- C. 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 |
|------------------------------------|--|--------------------------|
| 25-22-07-200-801-A | BIN AND PSU TUBES - INSPECTION/ CHECK | ACFT MODEL(S) EMB-145 |

TASK 25-22-07-200-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. BIN AND PSU TUBES - INSPECTION/CHECK

A. General

- (1) This task gives the procedures to do an inspection in the inboard and outboard Bin/PSU mounting tubes.
- (2) This task includes damage tolerance for the in the inboard and outboard Bin/PSU mounting tubes.
- (3) The inspection must be done when damage to the inboard and outboard Bin/PSU mounting tubes is suspected.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|-------------|
| AMM TASK 25-22-07-000-801-A/400 | - |
| AMM TASK 25-22-07-400-801-A/400 | - |

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

| ITEM | DESCRIPTION | PURPOSE | QTY |
|------|-------------|---|-----|
| 1 | Caliper | To measure the damage on the inboard and outboard tubes | |

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|-----------------|
| 1 | Does the task | Passenger cabin |

I. Preparation

SUBTASK 841-005-B

- (1) Make sure that the aircraft is safe for maintenance.
- (2) To do the inspection on the inboard and outboard Bin/PSU mounting tubes, have a direct source of good lighting to make the lighting conditions in the cabin better.

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

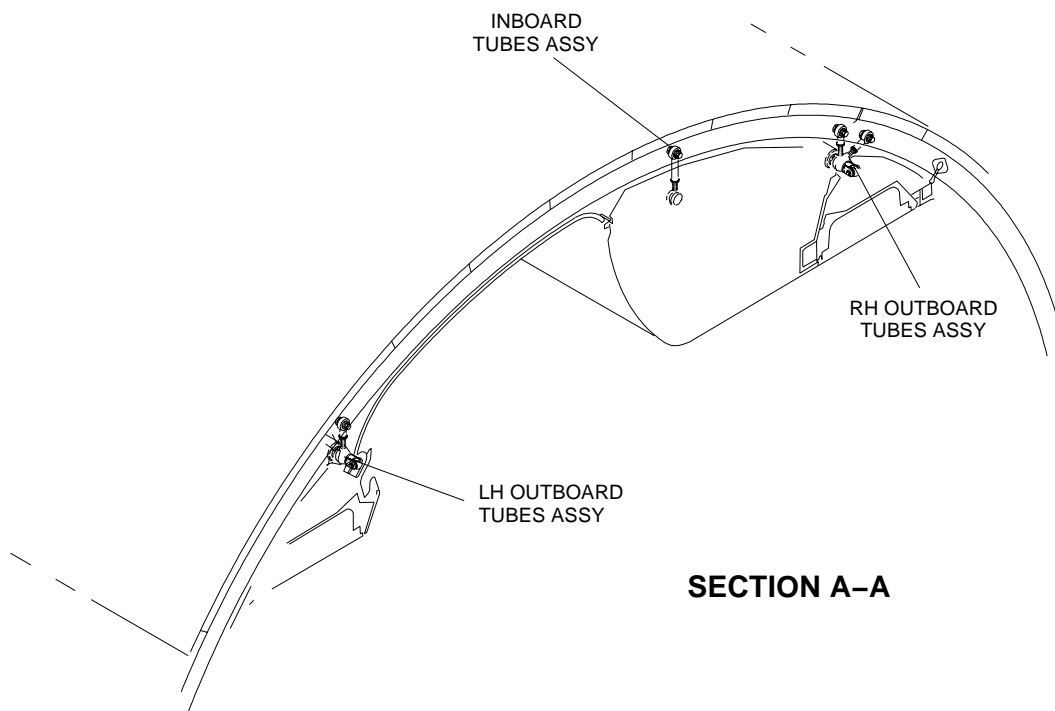
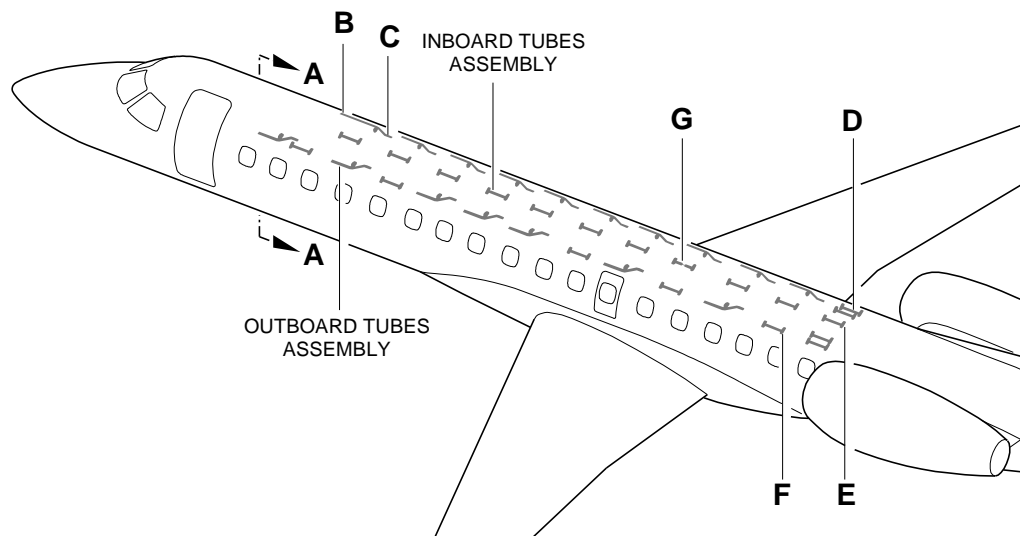
SUBTASK 220-005-B

- (1) Do an inspection on the outboard Bin/PSU mounting tubes as follows, refer to Figure 601:
 - (a) Remove the outboard bin and PSU structure tubes (AMM TASK 25-22-07-000-801-A/400), as applicable. Refer to DET. B thru F, sheet 1 and 2.
 - (b) Use a caliper to make sure that the outboard tubes are within damage limits. The minimum outer diameter must be reduced no less than 23.8 mm (0.938 inch) and the maximum depth of the groove, t, must be no longer than 0.79 mm (0.031 inch). Refer to DET. H, sheet 2 and 3.
 - (c) Replace the outboard tubes, if the damage limits are not the same than the permitted (AMM TASK 25-22-07-400-801-A/400).
 - (d) Install the outboard bin and PSU structure tubes (AMM TASK 25-22-07-400-801-A/400), that you removed. Refer to DET. B thru F, sheet 1 and 2.
- (2) Do an inspection on the inboard Bin/PSU mounting tubes as follows, refer to Figure 601:
 - (a) Remove the inboard bin and PSU structure tubes (AMM TASK 25-22-07-000-801-A/400), as applicable. Refer to DET. G, sheet 1 and 2.
 - (b) Use a caliper to make sure that the inboard tubes are within damage limits. The minimum outer diameter must be reduced no less than 26.06 mm (1.026 inch) and the maximum depth of the groove, t, must be no longer than 1.26 mm (0.0495 inch). Refer to DET. J, sheet 2 and 3.
 - (c) Replace the inboard tubes, if the damage limits are not the same than the permitted (AMM TASK 25-22-07-400-801-A/400).
 - (d) Install the inboard bin and PSU structure tubes (AMM TASK 25-22-07-400-801-A/400), that you removed. Refer to DET. B thru F, sheet 1 and 2.

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Bin and PSU Tubes - Inspection/Check

Figure 601 - Sheet 1

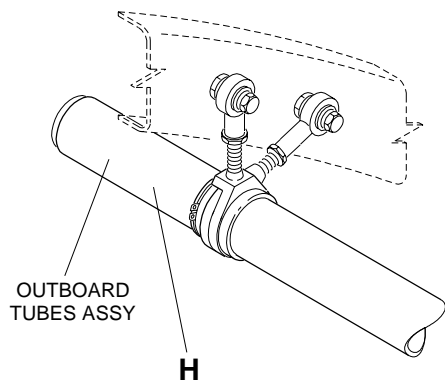


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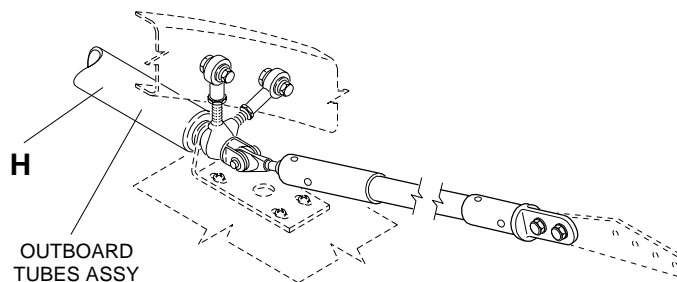
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Bin and PSU Tubes - Inspection/Check

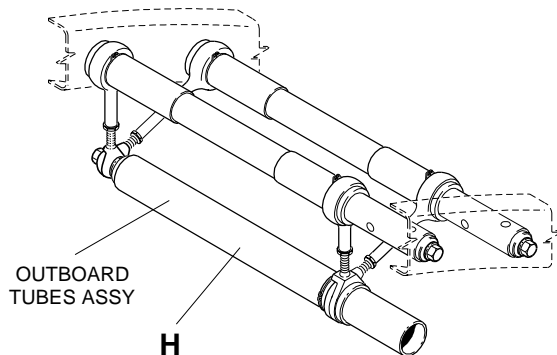
Figure 601 - Sheet 2



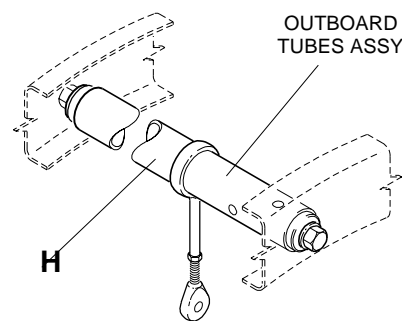
DET. B



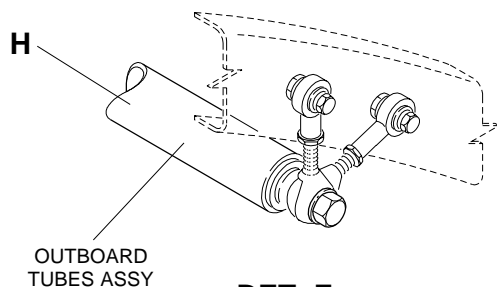
DET. C



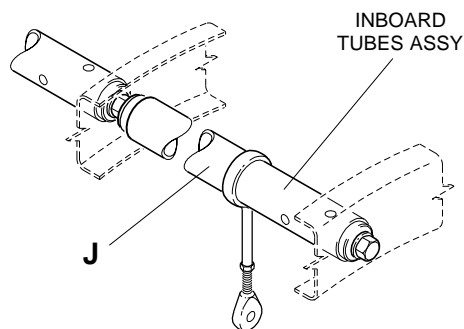
DET. D



DET. E



DET. F



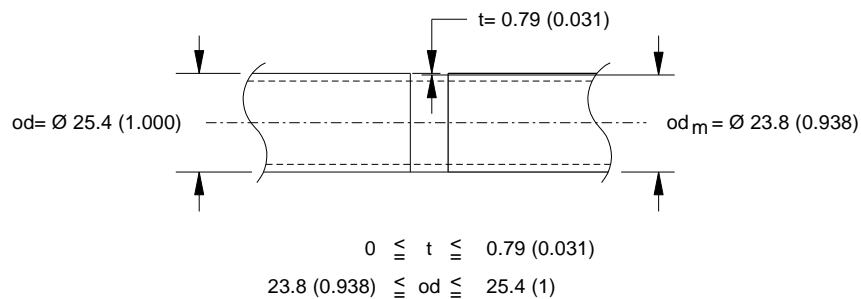
DET. G

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EFFECTIVITY: ACFT MODEL(S) EMB-145

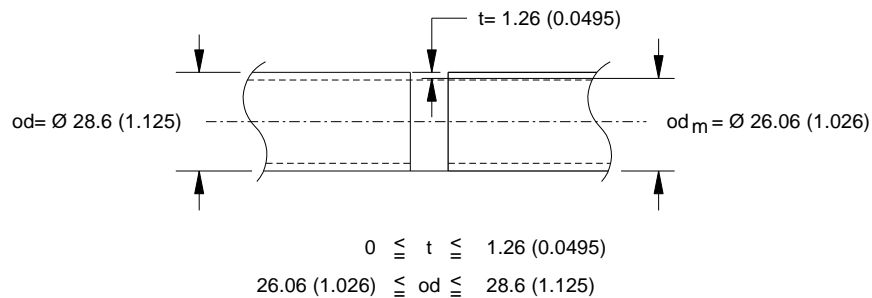
Bin and PSU Tubes - Inspection/Check

Figure 601 - Sheet 3



DET. H

OUTBOARD TUBES – MINIMUM OUTER DIAMETER



DET. J

INBOARD TUBES – MINIMUM OUTER DIAMETER

– DIMENSIONS ARE IN MILLIMETERS WITH INCH IN PARENTHESES.

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