



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

CENTER FUSELAGE II - PASSENGER CABIN TOP - INTERNAL - INSPECTION/CHECK

EFFECTIVITY: ACFT MODEL(S) EMB-135

1. General

- A. This section gives the procedures to do the visual inspection of center fuselage II - passenger cabin top for general condition.
- B. Related Zones: 243/244.
- C. (Applicable to EMB-145 () models) Zone Boundaries: STA X = 7131.0 thru STA X = 11990.0.
(Applicable to EMB-135 () models) Zone Boundaries: STA X = 7131.0 thru STA X = 9984.0.
- D. 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 |
|----------------------|---------------------------------------------------------------------------------------|--------------------------|
| 05-20-25-200-801-A ♦ | CENTER FUSELAGE II - PASSENGER CABIN TOP - INTERNAL GENERAL VISU- AL INSPECTION | ACFT MODEL(S) EMB-135 |



AIRCRAFT MAINTENANCE MANUAL

TASK 05-20-25-200-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

2. CENTER FUSELAGE II - PASSENGER CABIN TOP - INTERNAL GENERAL VISUAL INSPECTION

A. General

- (1) This task gives instructions to do SMRD Zonal Task 53-Z243-214-001-A00.
- (2) You must do the internal general visual inspection (GVI) of center fuselage II, at zones 243/244, within a touching distance of the items examined.
- (3) The function of the internal general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|-------------|
| AMM TASK 12-23-00-600-801-A/300 | - |
| AMM TASK 25-22-04-000-801-A/400 | - |
| AMM TASK 25-22-04-000-802-A/400 | - |
| AMM TASK 25-81-01-000-801-A/400 | - |
| AMM TASK 25-81-01-000-802-A/400 | - |
| AMM TASK 25-81-01-400-801-A/400 | - |
| AMM TASK 25-81-01-400-802-A/400 | - |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|-----------------------|
| 243 | 243ALC | Passenger cabin panel |
| 243 | 243BLC | Passenger cabin panel |
| 243 | 243CLC | Passenger cabin panel |
| 243 | 243DLC | Passenger cabin panel |
| 243 | 244ARC | Passenger cabin panel |
| 243 | 244BRC | Passenger cabin panel |

D. Tools and Equipment

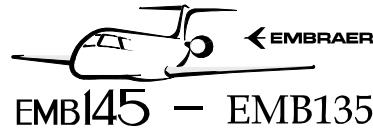
| ITEM | DESCRIPTION | PURPOSE | QTY |
|----------|-------------|-------------------------------------------|-----|
| Standard | Ladder | To get access to the inspection area | |
| Standard | Flashlight | To make the inspection of the area easier | |

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable



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G. Expandable Parts

Not Applicable

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|------------------------------------------|
| 1 | Does the task | Center fuselage II - passenger cabin top |

I. Preparation ([Figure 601](#)) ([Figure 602](#))

SUBTASK 841-005-B

- (1) Use table 601 to remove passenger-cabin headliner panels as applicable from your aircraft (AMM TASK 25-22-04-000-801-A/400) or (AMM TASK 25-22-04-000-802-A/400) ([Figure 601](#)).

Table 601 - PASSENGER-CABIN HEADLINER PANELS

| AIRCRAFT MODELS | PANELS |
|-----------------|-----------------------------------|
| EMB-145 () | 243ALC, 243BLC, 243CLC and 243DLC |
| EMB-135 () | 243BLC and 243CLC |

- (2) Use table 602 to remove passenger-cabin headliner panels as applicable from your aircraft (AMM TASK 25-22-04-000-801-A/400) or (AMM TASK 25-22-04-000-802-A/400) ([Figure 602](#)).

Table 602 - PASSENGER-CABIN HEADLINER PANELS

| AIRCRAFT MODELS | PANELS |
|----------------------------|-----------------------------------|
| Aircraft for 16 passengers | 243ALC, 243BLC, 244ARC and 244BRC |

- (3) Remove the thermoacoustic insulation from center fuselage II to zones 243/244 (AMM TASK 25-81-01-000-801-A/400) or (AMM TASK 25-81-01-000-802-A/400) as applicable.

J. Internal General Visual Inspection ([Figure 603](#))

SUBTASK 212-005-B

- (1) Examine the interior of the zone for loose rivets, skin deformation, nicks, cracks, dents, sealant poor condition, scratches, gouges, creases, erosion, corrosion, painting condition, deteriorated protective treatment, and foreign objects.
- (2) Examine the interior of the fuselage skin panel at stringers, frames/bulkheads, and longitudinal and circumferential splices for loose rivets, cracks, skin deformation, painting, erosion, corrosion, and deteriorated protective treatment ([Figure 603](#)).
- (3) Examine drains for corrosion. Also do a check for blockage and correct operation (AMM TASK 12-23-00-600-801-A/300).
- (4) Examine the interior of the zone for leakage on the skin, signs of friction, tension, broken strands, and signs of overheating.



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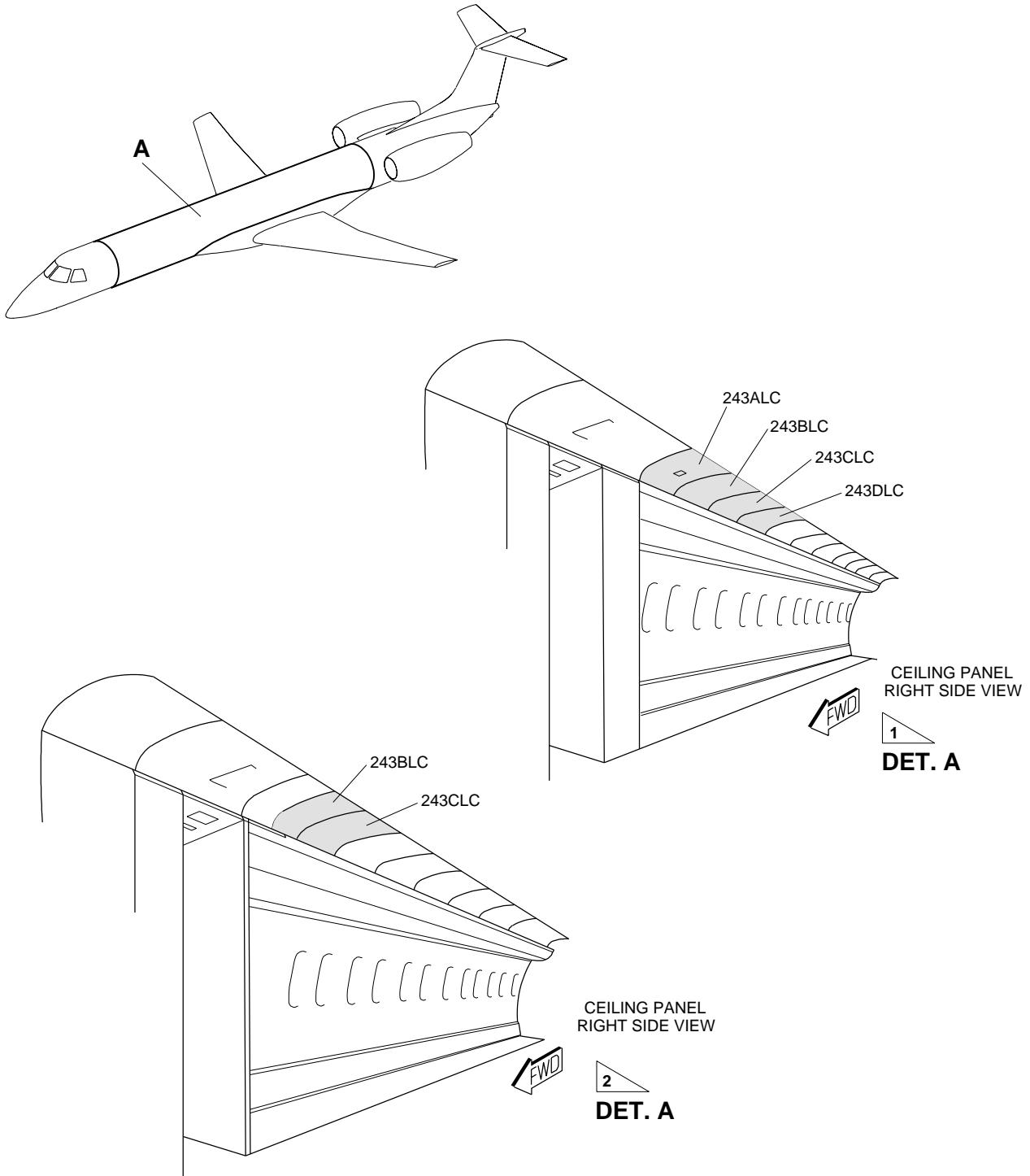
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K. Follow-on

SUBTASK 842-005-B

- (1) Install the thermoacoustic insulation to zones 243/244 (AMM TASK 25-81-01-400-801-A/400) or (AMM TASK 25-81-01-400-802-A/400) as applicable.
- (2) Use table 601 or table 602, as applicable, to install passenger-cabin headliner panels as applicable to your aircraft (AMM TASK 25-81-01-400-801-A/400) or (AMM TASK 25-81-01-400-802-A/400).

EFFECTIVITY: ACFT MODEL(S) EMB-135
 Center Fuselage II - Passenger Cabin Top - Headliner Panels
 Figure 601



1 APPLICABLE TO EMB-145 (ALL) MODELS.

2 APPLICABLE TO EMB-135 (ALL) MODELS.

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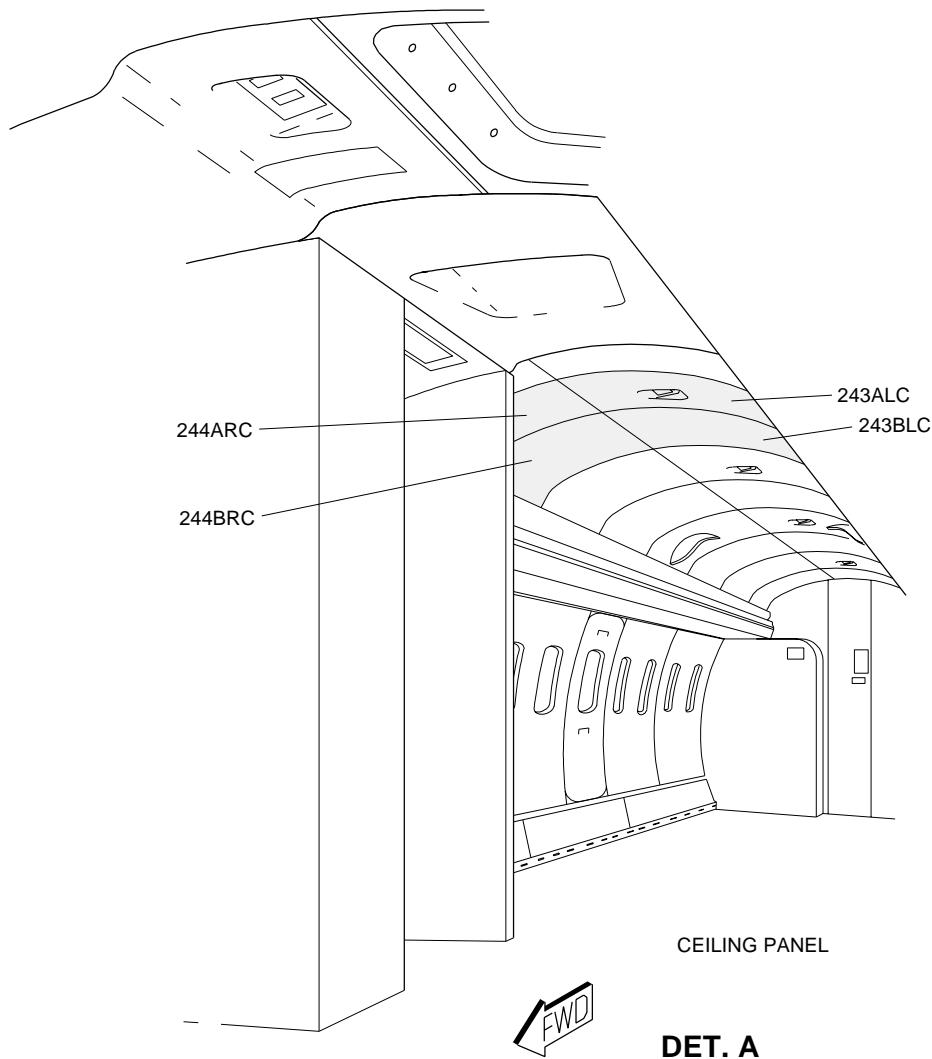
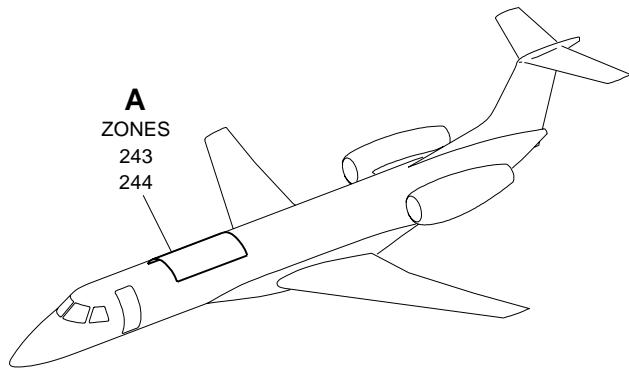


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EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS

Center Fuselage II - Passenger Cabin Top - Internal General Visual Inspection

Figure 602



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EMB-145 - AMM 1285

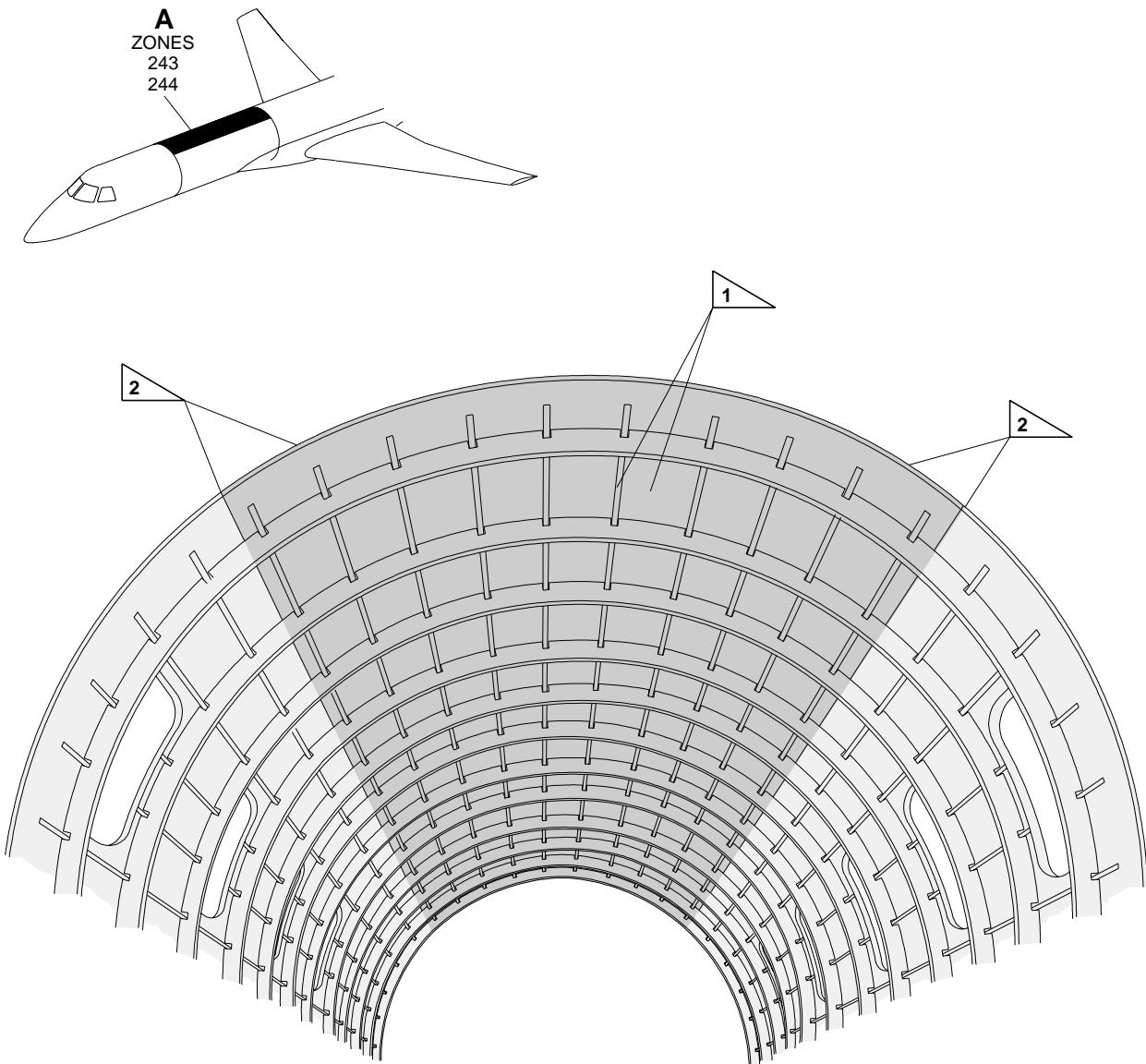
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EFFECTIVITY: ACFT MODEL(S) EMB-135

Center Fuselage II - Passenger Cabin Top - Internal General Visual Inspection

Figure 603



1 INTERNALLY INSPECT SKIN PANEL AT STRINGERS AND FRAMES/BULKHEADS.



2 INTERNALLY INSPECT SKIN LONGITUDINAL AND CIRCUMFERENTIAL SPLICES.

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