



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

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

EFFECTIVITY: ACFT MODEL(S) EMB-145

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-145



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

EFFECTIVITY: ACFT MODEL(S) EMB-145

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

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

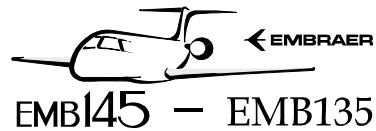
Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable



AIRCRAFT MAINTENANCE MANUAL

H. Persons Recommended

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

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

SUBTASK 841-004-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) 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 602](#))

SUBTASK 212-004-B

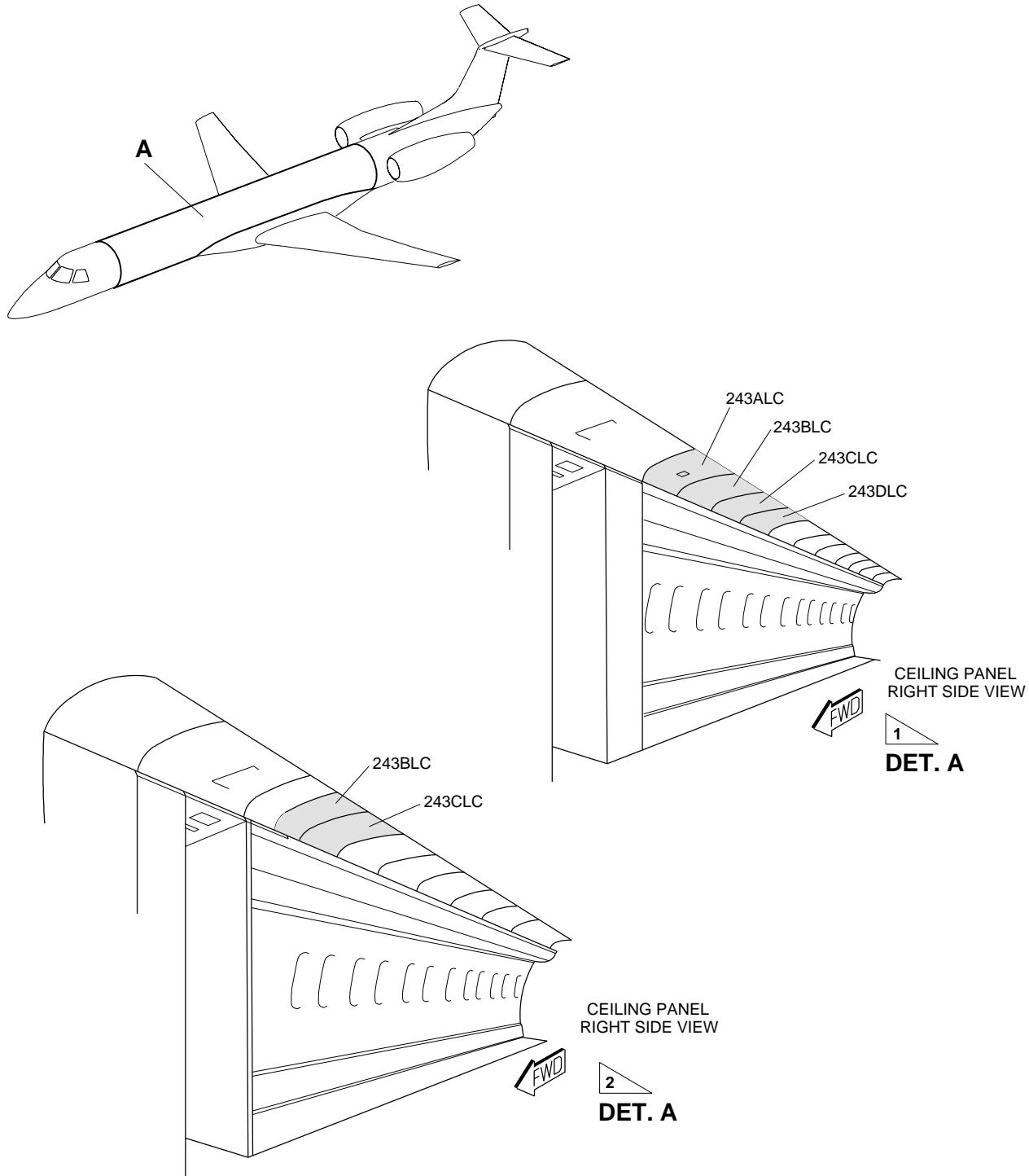
- (1) Examine the interior of the zone for loose rivets, skin deformation, nicks, cracks, dents, sealant poor condition, scratches, gouges, creases, erosion, corrosion, painting condition, deteriorated protective treatment, and foreign objects.
- (2) Examine the interior of the fuselage skin panel at stringers, frames/bulkheads, and longitudinal and circumferential splices for loose rivets, cracks, skin deformation, painting, erosion, corrosion, and deteriorated protective treatment ([Figure 602](#)).
- (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.

K. Follow-on

SUBTASK 842-004-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 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-145
 Center Fuselage II - Passenger Cabin Top - Headliner Panels
 Figure 601



 1 APPLICABLE TO EMB-145 (ALL) MODELS.

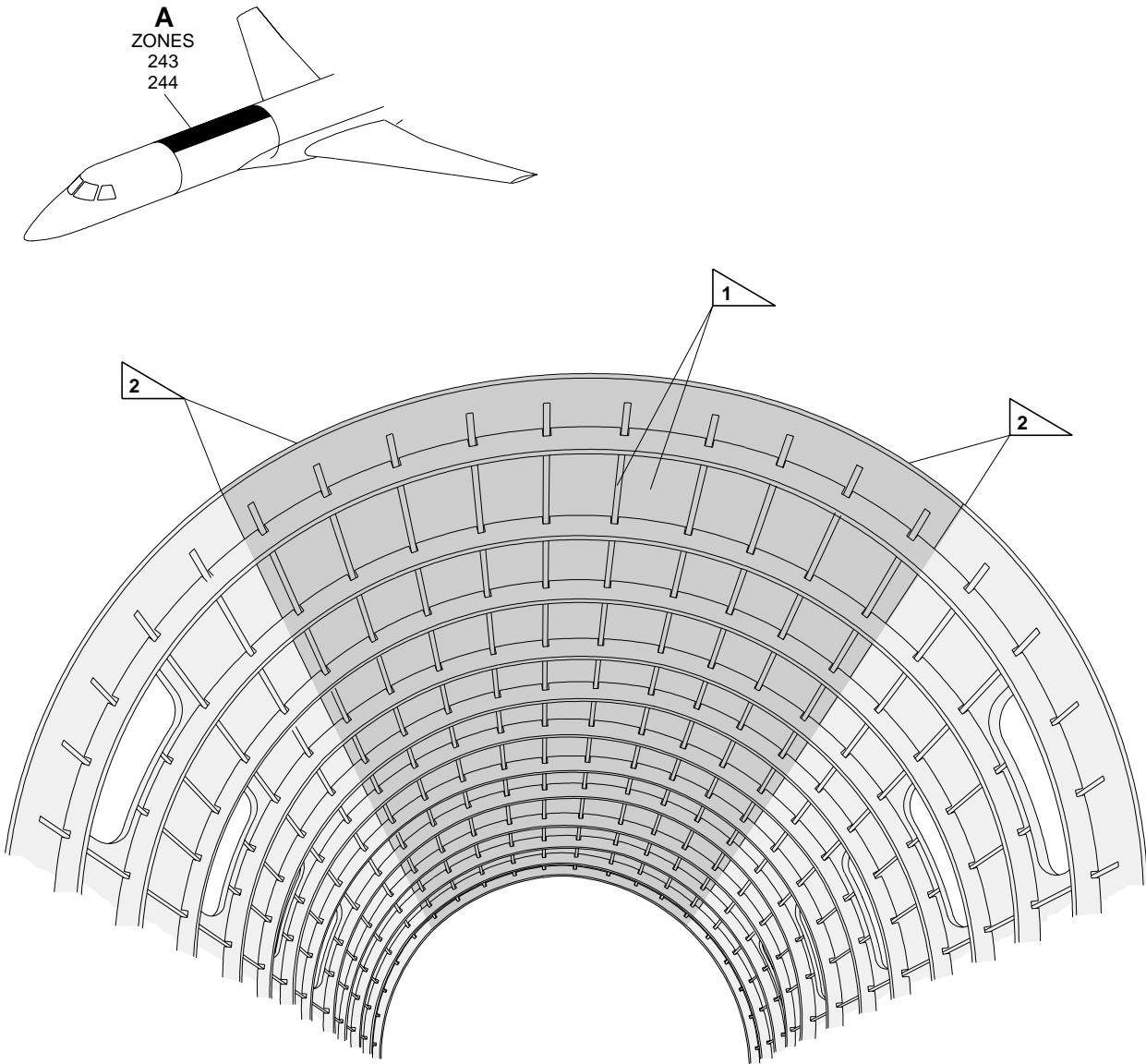
 2 APPLICABLE TO EMB-135 (ALL) MODELS.

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EFFECTIVITY: ACFT MODEL(S) EMB-145

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

Figure 602



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



2 INTERNALLY INSPECT SKIN LONGITUDINAL AND CIRCUMFERENTIAL SPLICES.

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