



AIRCRAFT
MAINTENANCE MANUAL

CENTER FUSELAGE III - 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 III - passenger cabin top for general condition.
- B. Related Zones: 253/254.
- C. (Applicable to EMB-145 () models) Zone Boundaries: STA X = 11990.0 thru STA X = 17727.0.
(Applicable to EMB-135 () models) Zone Boundaries: STA X = 9984.0 thru STA X = 15721.0.
- 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
05-20-32-200-801-A ♦	CENTER FUSELAGE III - PASSENGER CABIN TOP - INTERNAL GENERAL VISU- AL INSPECTION	ACFT MODEL(S) EMB-135



EMB145 – EMB135

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TASK 05-20-32-200-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

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

A. General

- (1) This task gives instructions to do SMRD Zonal Task 53-Z253-214-001-A00.
- (2) You must do the internal general visual inspection (GVI) of center fuselage III, at zones 253/254, within a touching distance from 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

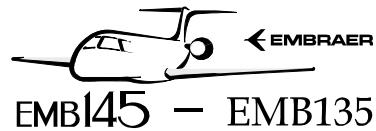
REFERENCE	DESIGNATION
AMM TASK 25-22-04-000-801-A/400	-
AMM TASK 25-22-04-000-802-A/400	-
AMM TASK 25-22-04-400-801-A/400	-
AMM TASK 25-22-04-400-802-A/400	-
AMM TASK 25-81-01-000-801-A/400	-
AMM TASK 25-81-01-000-802-A/400	-
AMM TASK 25-81-01-400-801-A/400	-
AMM TASK 25-81-01-400-802-A/400	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
253	253ALC	Passenger ceiling panel
253	253BLC	Passenger ceiling panel
253	253CLC	Passenger ceiling panel
253	253DLC	Passenger ceiling panel
253	253ELC	Passenger ceiling panel
263	263ALC	Passenger ceiling panel
254	254ARC	Passenger ceiling panel
254	254BRC	Passenger ceiling panel
254	254CRC	Passenger ceiling panel
254	254DRC	Passenger ceiling panel
254	254ERC	Passenger ceiling panel

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Standard	Ladder	To get access to the inspection area	



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- 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	Center fuselage III - passenger cabin top

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

SUBTASK 841-005-B

- (1) Use table 601 to remove the passenger-cabin headliners 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 HEADLINERS

AIRCRAFT MODELS	HEADLINERS
EMB-145 ()	253ALC, 253BLC, 253CLC, 253DLC, 253ELC and 263ALC
EMB-135 ()	253ELC, 253DLC, 253ALC, 253BLC and 253CLC

- (2) Use table 602 to remove the passenger-cabin headliners 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 HEADLINERS

AIRCRAFT CONFIGURATION	HEADLINERS
Aircraft for 16 passengers	253ALC, 253BLC, 253CLC, 253DLC, 253ELC , 254ARC, 254BRC, 254CRC , 254DRC and 254ERC.

- (3) Remove the thermoacoustic insulation from center fuselage II to zones 253/254 (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, sealant poor condition, nicks, cracks, dents, erosion, corrosion, deteriorated protective treatment, and foreign objects ([Figure 603](#)).
- (2) Examine the splices, circumferential splices, stringers, and frames/bulkheads for loose rivets, cracks, skin deformation, corrosion, and deteriorated protective treatment ([Figure 603](#)).



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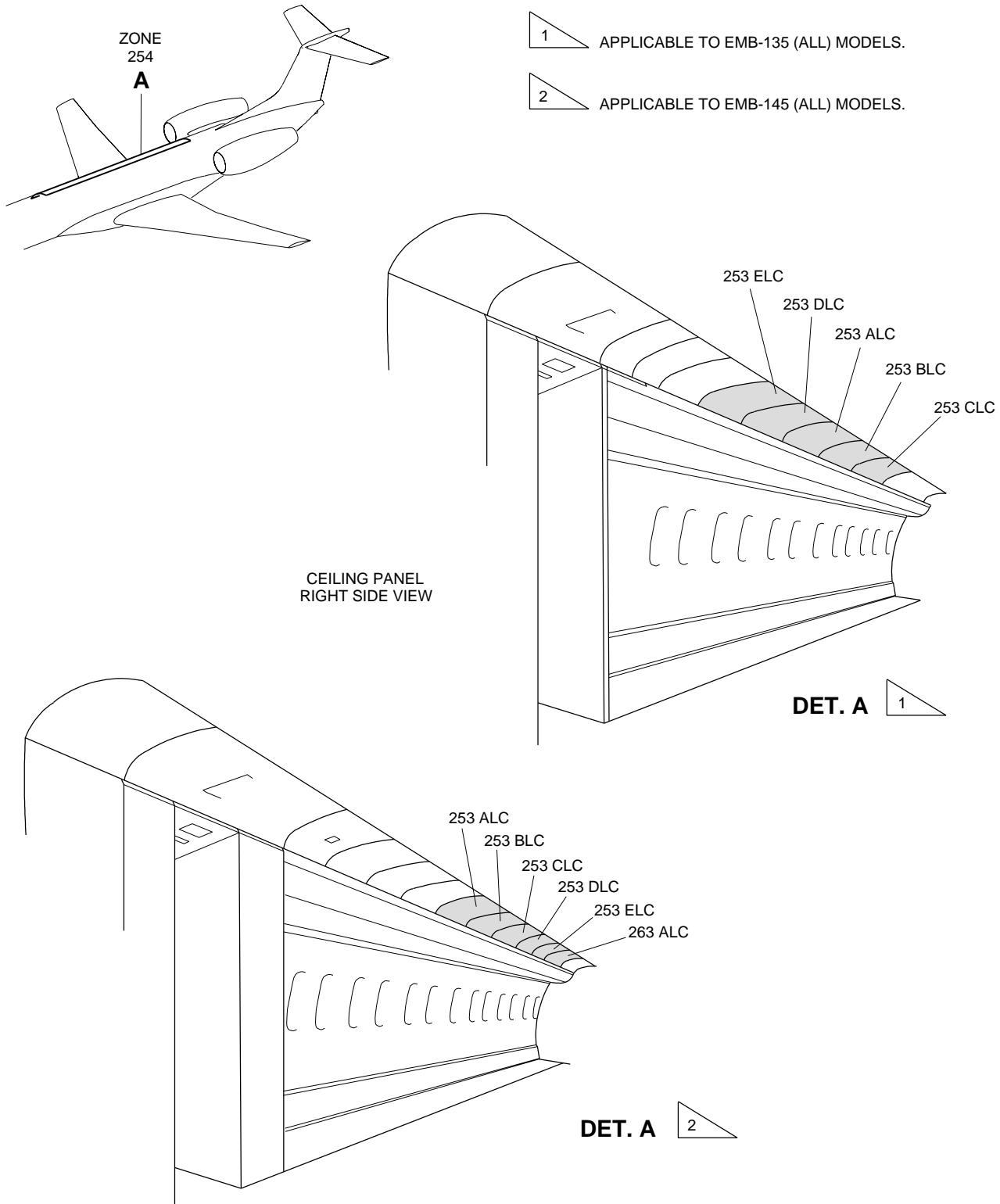
- (3) Examine the interior of the zone for failure (e.g., dirty, bent, disconnected, cracked, or crushed duct) and signs of overheating caused by leakage at the connection of the tubing.

K. Follow-on

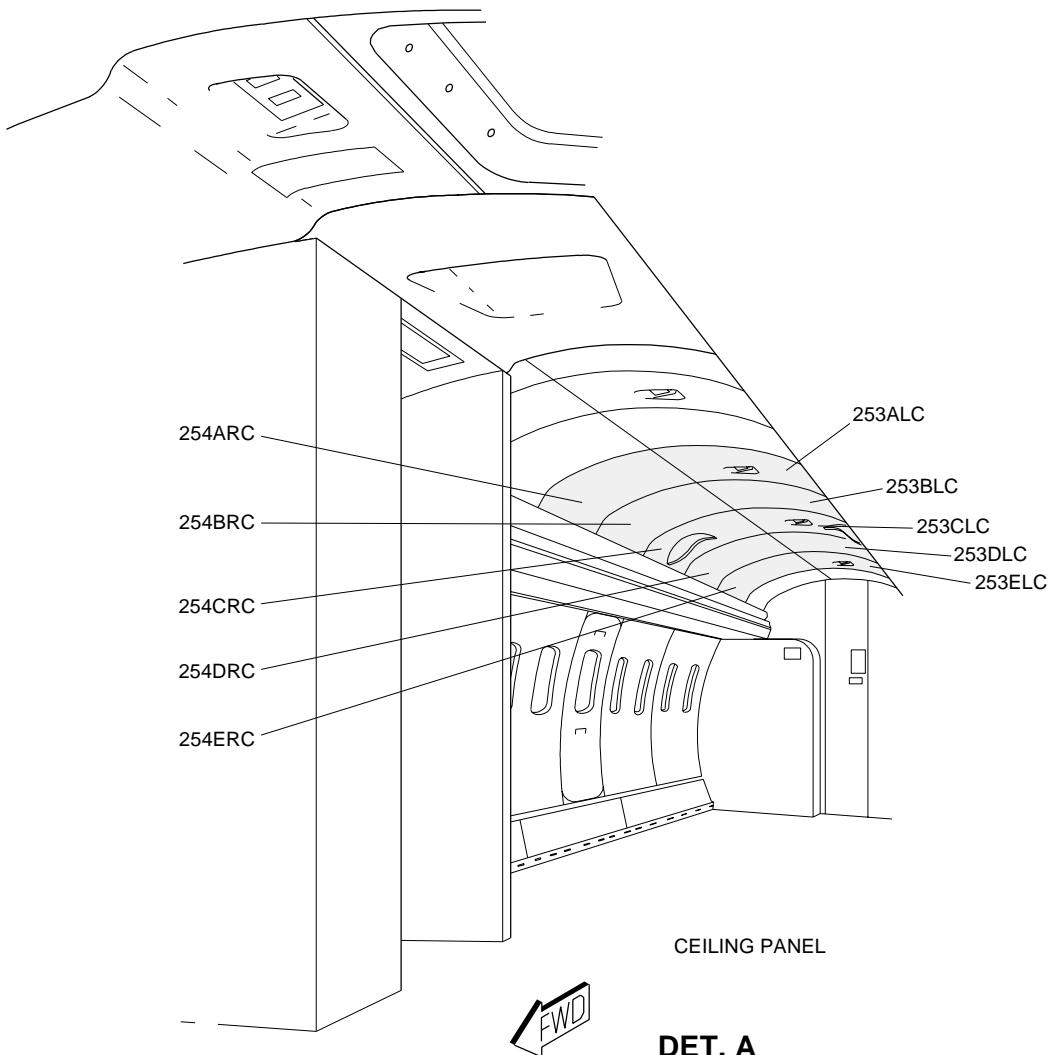
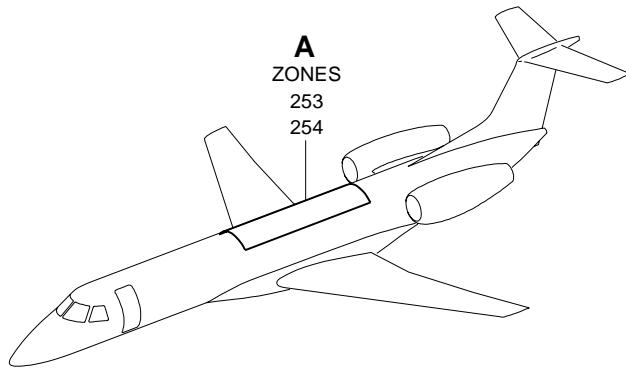
SUBTASK 842-005-B

- (1) Install the thermoacoustic insulation to zones 253/254 (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 headliners as applicable to your aircraft (AMM TASK 25-22-04-400-801-A/400) or (AMM TASK 25-22-04-400-802-A/400).

EFFECTIVITY: ACFT MODEL(S) EMB-135
Passenger Cabin Internal Panels
Figure 601



145AMM050117.MCE A

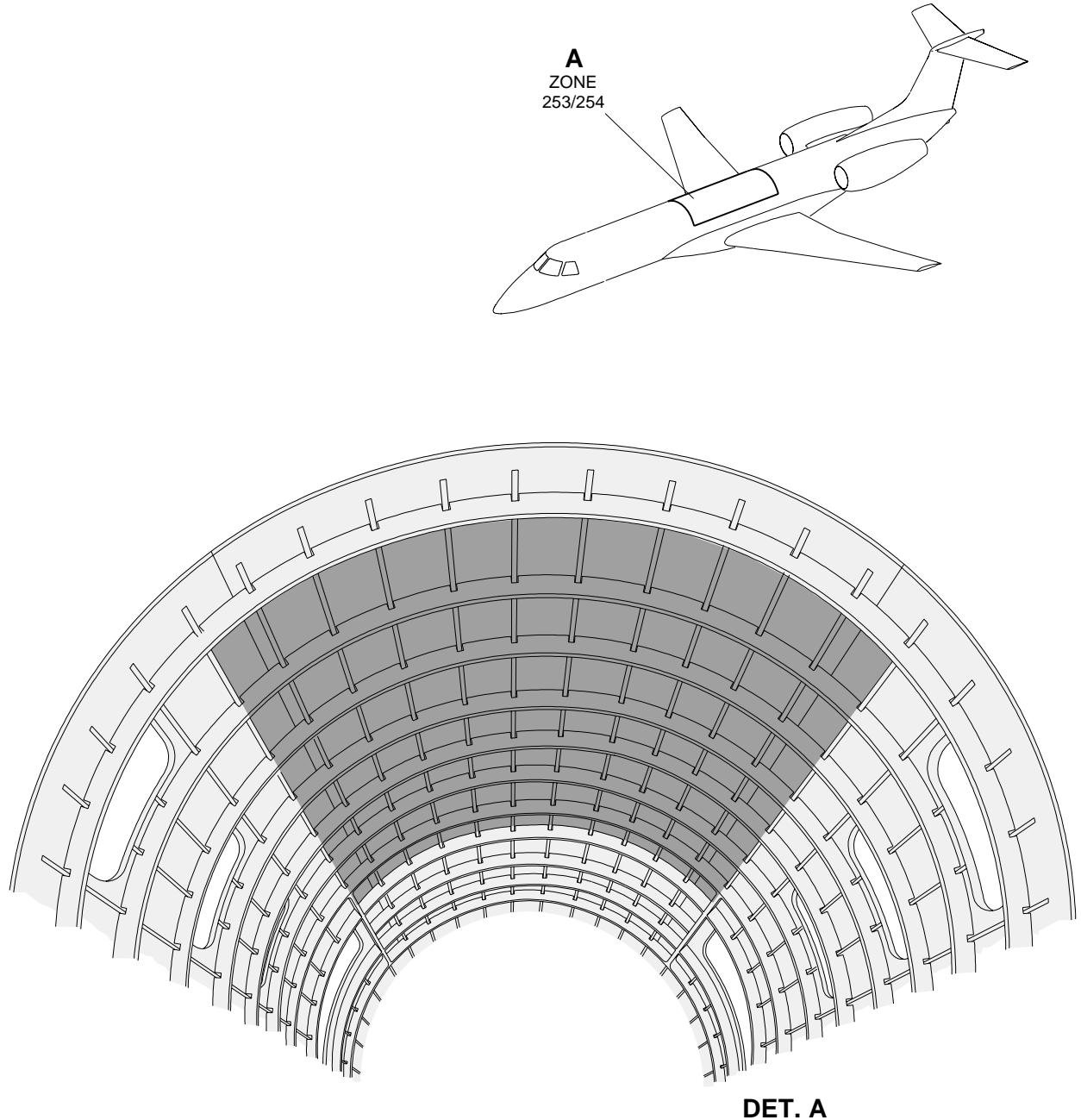
EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS
Passenger Cabin Internal Panels
Figure 602


145AMM050562.MCE

EFFECTIVITY: ACFT MODEL(S) EMB-135

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

Figure 603



145AMM050112.MCE A

EMB-145 - AMM 1285

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