

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 VISUAL INSPECTION	ACFT MODEL(S) EMB-135

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

<i>REFERENCE</i>	<i>DESIGNATION</i>
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

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
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

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
Standard	Ladder	To get access to the inspection area	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
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](#)).

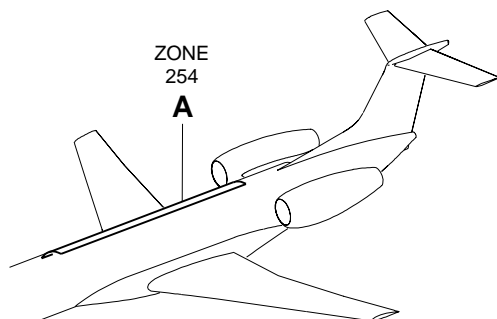
- (3) Examine the interior of the zone for failure (e.g., dirty, bent, disconnected, cracked, or crushed duct) and signs of overheating caused by leakage at the connection of the tubing.

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



1 APPLICABLE TO EMB-135 (ALL) MODELS.

2 APPLICABLE TO EMB-145 (ALL) MODELS.

CEILING PANEL
RIGHT SIDE VIEW

253 ELC
253 DLC
253 ALC
253 BLC
253 CLC

DET. A

1

253 ALC
253 BLC
253 CLC
253 DLC
253 ELC
263 ALC

DET. A

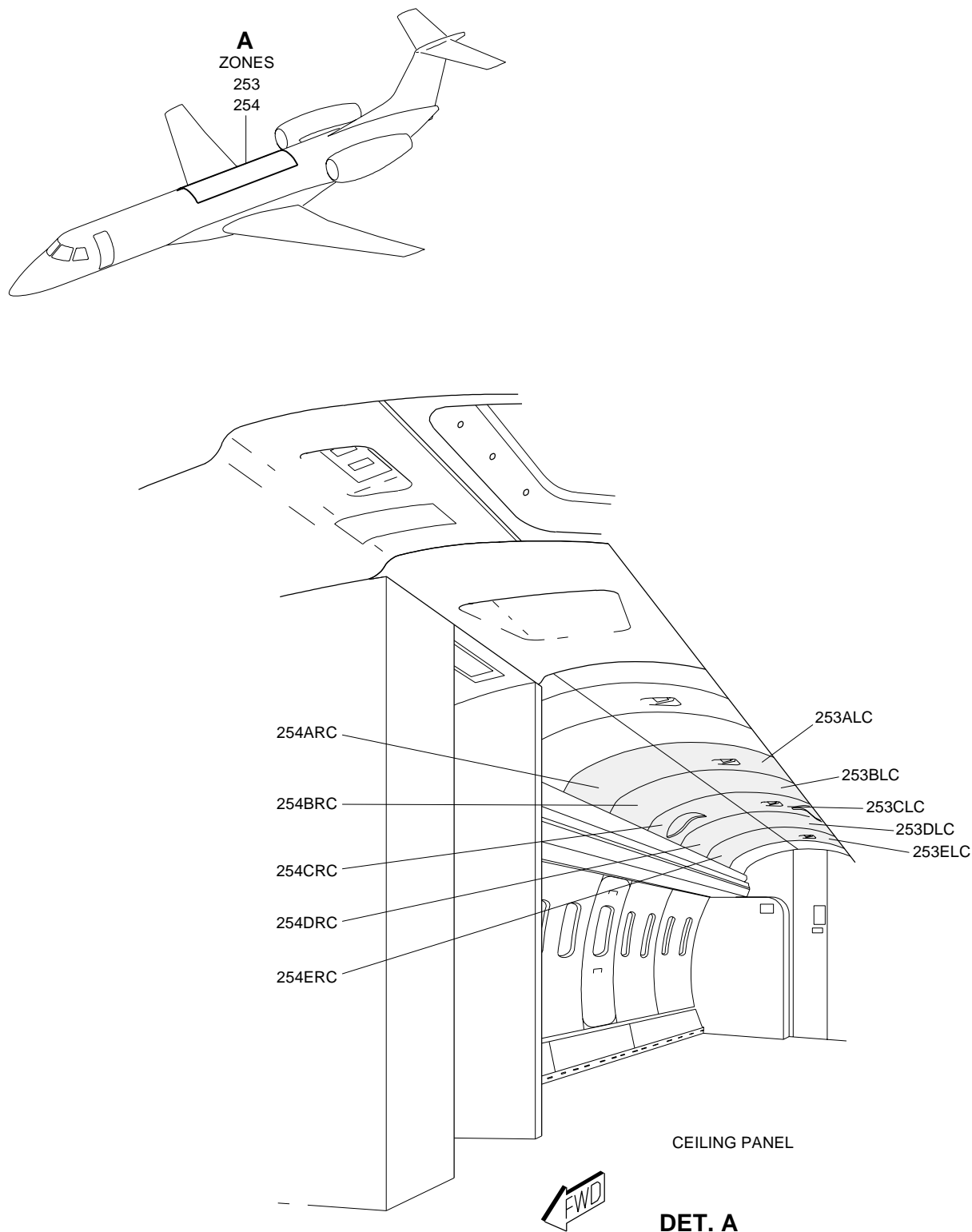
2

145AMM050117.MCE A

EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS

Passenger Cabin Internal Panels

Figure 602

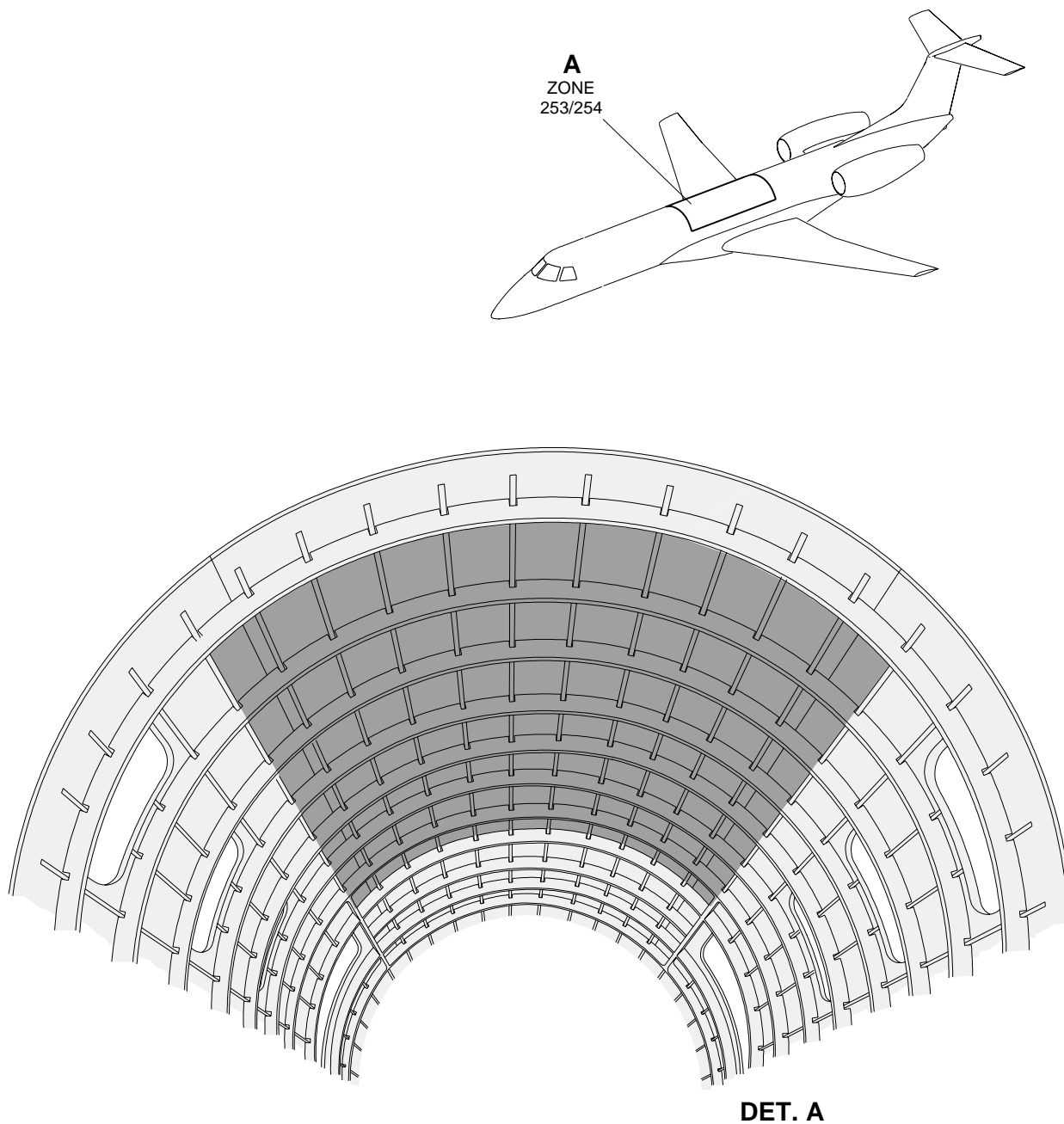


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EFFECTIVITY: ACFT MODEL(S) EMB-135

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

Figure 603



145AMM050112.MCE A

