



AIRCRAFT MAINTENANCE MANUAL

PASSENGER CABIN BOTTOM - INTERNAL - INSPECTION/CHECK

EFFECTIVITY: *EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS*

1. General

- A. This section gives the procedures to do the visual inspection of center fuselage III - passenger cabin bottom for general condition.
- B. Zones: 151/152/153/154/155/156/157.
- C. Zone Boundaries (EMB-145): STA X = 11990.0 thru STA X = 13601.0 and STA X = 16783.0 thru STA X = 17727.0.
Zone Boundaries (EMB-135): STA X = 9984.0 thru STA X = 11595.0 and STA X = 14777.5 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 |
|----------------------|---|--|
| 05-20-67-200-801-A ♦ | CENTER FUSELAGE III - PASSENGER CABIN BOTTOM - INTERNAL GENERAL VISUAL INSPECTION | EMB-145LR/LU/MR/MP/ MK AND EMB-135LR/KE/KL MODELS |



EMB145 - EMB135

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TASK 05-20-67-200-801-A

EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS

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

A. General

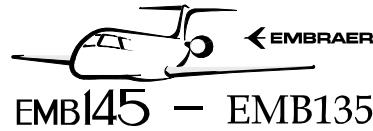
- (1) This procedure obeys the EWIS ICA requirement.
- (2) This task gives the instructions to do SMRD Zonal Task 53-Z151-214-002-A00.
- (3) You must do the internal general visual inspection (GVI) of center fuselage III, zones 151/152/153/154/155/156/157, at a distance from which you can touch the items that you will examine.
- (4) The function of the internal general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.
- (5) After you complete the procedures given in the Zonal Inspection task, you must do a General Visual Inspection (GVI) in all of the specified zones. The inspection must include all installations, components, and structures. Refer to the INTRODUCTION for zonal inspection criteria. .

B. References

| REFERENCE | DESIGNATION |
|--|--|
| AMM TASK 21-23-04-200-801-A/600 | - |
| AMM TASK 21-23-04-200-802-A/600 | - |
| AMM TASK 21-24-02-200-801-A/600 | RECIRCULATION SYSTEM - GENERAL VISUAL INSPECTION |
| 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 | - |
| AMM TASK 28-41-00-200-801-A/600 | - |
| AMM TASK 53-01-02-000-801-A/400 | - |
| AMM TASK 53-01-02-000-802-A/400 | - |
| AMM TASK 53-01-02-400-801-A/400 | - |
| AMM TASK 53-01-02-400-802-A/400 | - |
| WM 20-22-00 | - |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|-----------------------|
| 241 | 241DF | Passenger cabin floor |
| 251 | 251AF | Passenger cabin floor |
| 251 | 251BF | Passenger cabin floor |
| 251 | 251CF | Passenger cabin floor |



EMB145 – EMB135

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(Continued)

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|-----------------------|
| 251 | 251DF | Passenger cabin floor |
| 251 | 251EF | Passenger cabin floor |
| 251 | 251FF | Passenger cabin floor |
| 251 | 251GF | Passenger cabin floor |
| 251 | 251HF | Passenger cabin floor |
| 251 | 251JF | Passenger cabin floor |
| 252 | 252AF | Passenger cabin floor |
| 252 | 252BF | Passenger cabin floor |
| 252 | 252CF | Passenger cabin floor |
| 252 | 252DF | Passenger cabin floor |

D. Tools and Equipment

| ITEM | DESCRIPTION | PURPOSE | QTY |
|----------|-------------|---|-----|
| 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

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|--|
| 1 | Does the task | Center fuselage III - passenger cabin bottom |

I. Preparation (Figure 601)

SUBTASK 841-006-B

- (1) Use table 601 to remove passenger-cabin floor panels as applicable to your aircraft (AMM TASK 53-01-02-000-801-A/400) or (AMM TASK 53-01-02-000-802-A/400) (Figure 601).

Table 601 - PASSENGER-CABIN FLOOR PANELS

| AIRCRAFT | PANELS |
|----------|--|
| EMB-145 | 251AF, 251BF, 252AF, 252BF, 251DF, 251CF, 251JF, 251EF, 251FF, 252CF, 252DF, 251HF and 251GF |
| EMB-135 | 251AF, 241DF, 251CF, 251JF, 251DF, 252AF, 252BF, 252CF, 251FF, 252DF, 251HF and 251GF |



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- (2) Remove the thermoacoustic insulation from center fuselage III, zones 151/152/153/154/155/156/157 (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](#)) ([Figure 603](#))

SUBTASK 212-006-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 the control cables from rudder and elevator and hydraulic lines for attachment, cracks, crushing, deformation, broken strands, deterioration, friction, and overheating.
- (4) Examine the mufflers, muffler screens, bleed air ducts, and air conditioning ducts and outlets for attachment, cracks, crushing, deformation, deterioration, signs of leakage, and overheating at the connections ([Figure 603](#)).
- (5) Do an inspection of the inlet muffler of the gasper system (AMM TASK 21-23-04-200-801-A/600) or (AMM TASK 21-23-04-200-802-A/600), as applicable and of the inlet muffler of the recirculation system ([AMM TASK 21-24-02-200-801-A/600](#)) for dirt and/or obstruction.
- (6) Examine the EWIS components for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.

K. Follow-on

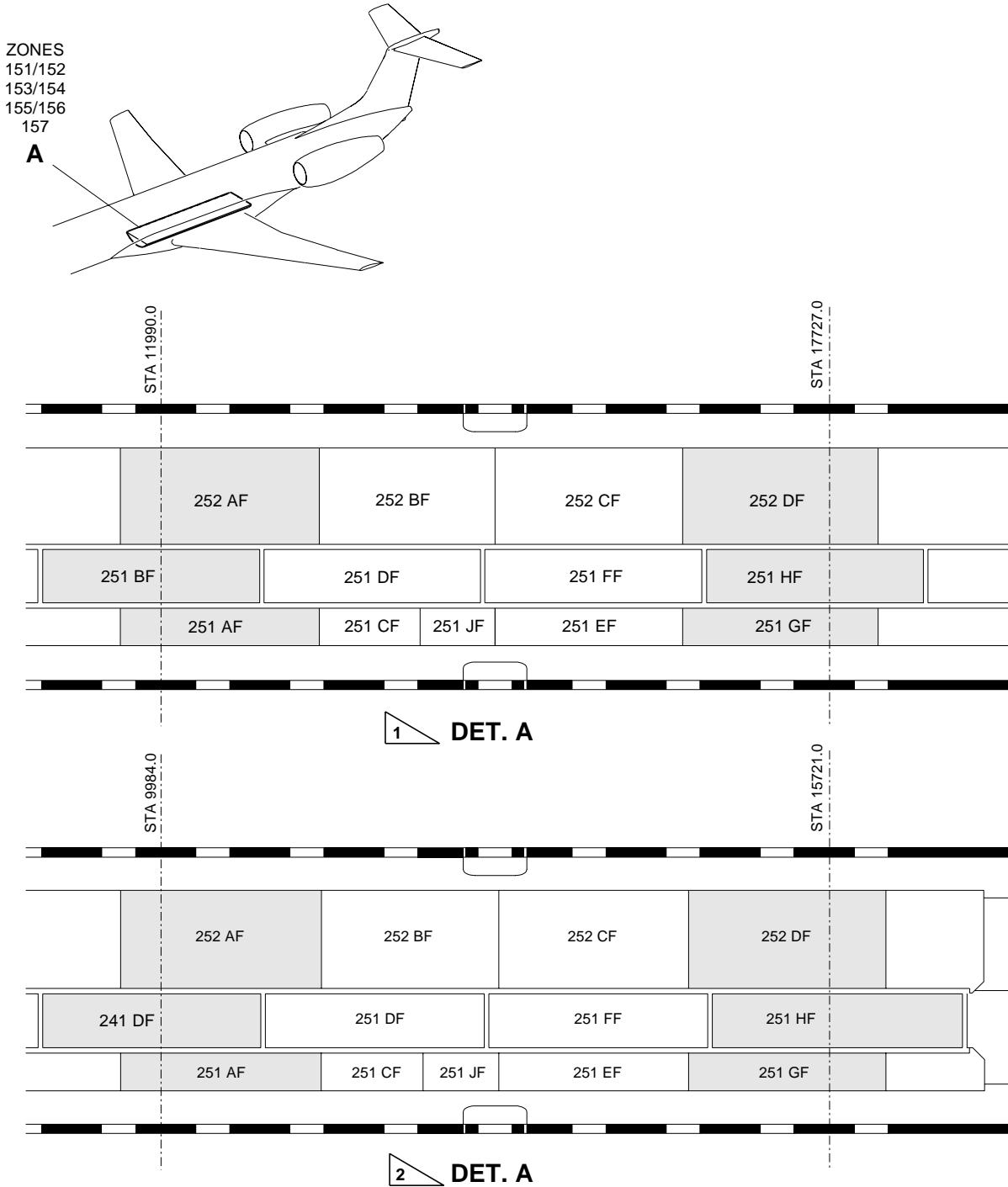
SUBTASK 842-006-B

- (1) Install the thermoacoustic insulation to zones 151/152/153/154/155/156/157 (AMM TASK 25-81-01-400-801-A/400) or (AMM TASK 25-81-01-400-802-A/400) as applicable.
- (2) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

NOTE: The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.

- (3) Use table 601 to install passenger-cabin floor panels as applicable to your aircraft (AMM TASK 53-01-02-400-801-A/400) or (AMM TASK 53-01-02-400-802-A/400).

EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS
 Center Fuselage III - Passenger Cabin Bottom - Floor Panels
 Figure 601



1 APPLICABLE TO EMB-145 (ALL) MODELS

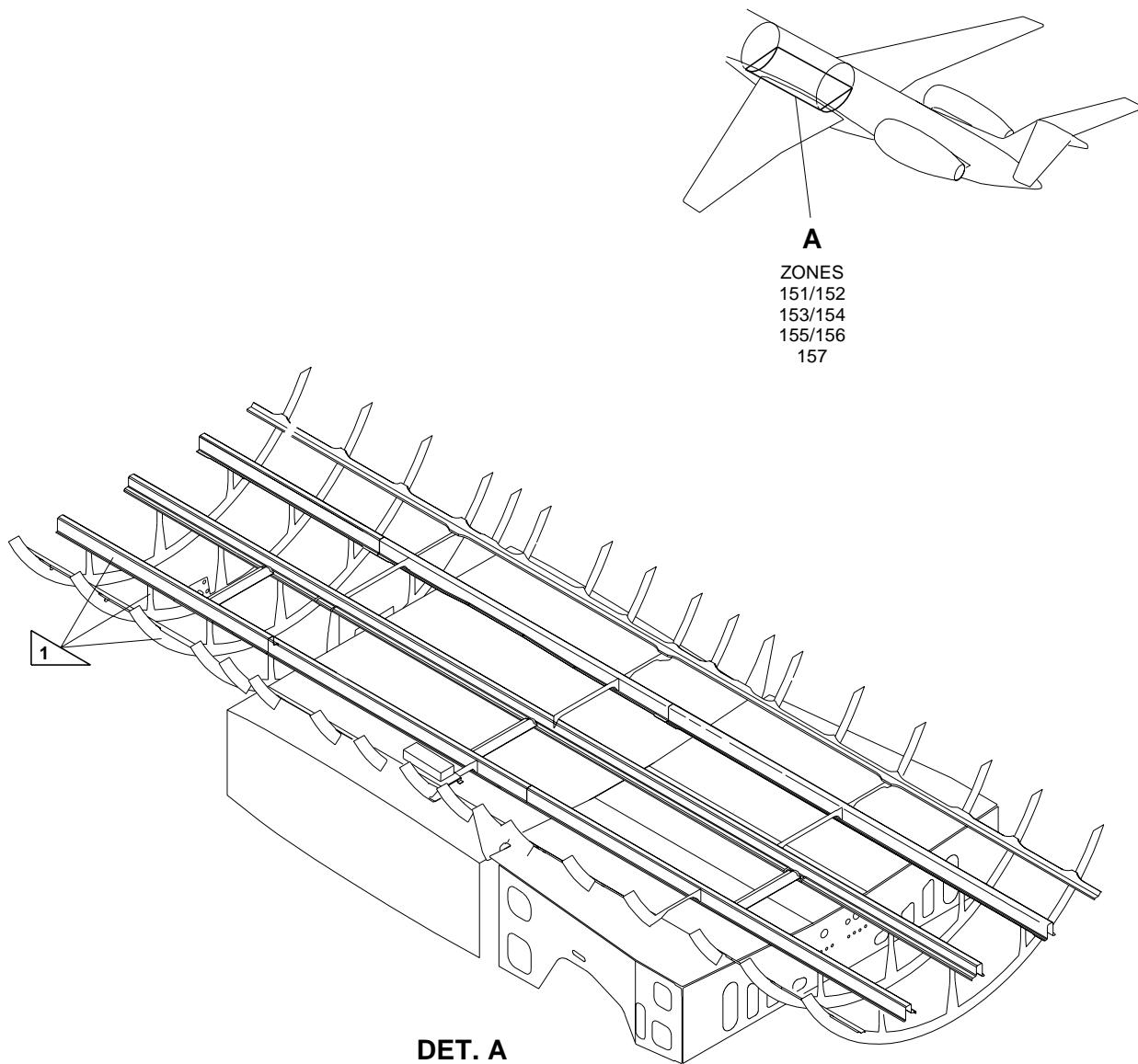
2 APPLICABLE TO EMB-135 (ALL) MODELS

EM145AMM050159A.DGN

EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS

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

Figure 602



INTERNALLY INSPECT FUSELAGE AT FRAMES/BULKHEADS, BEAMS AND COLUMNS.

EM145AMM050234A.DGN

EMB-145 - AMM 1285

05-20-67

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EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS
 Center Fuselage III - Passenger Cabin Bottom - Air Conditioning and Bleed Air Components
 Figure 603

