

CENTER FUSELAGE IV - PASSENGER CABIN BOTTOM - 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 IV - passenger cabin bottom for general condition.
- B. Related Zones: 161/162.
- C. (Applicable to EMB-145 () models) Zone Boundaries: STA X = 17727.0 thru STA X = 20793.0.
(Applicable to EMB-135 () models) Zone Boundaries: STA X = 15721.0 thru STA X = 17253.0.
- 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
05-20-34-200-801-A ♦	CENTER FUSELAGE IV - PASSENGER CABIN BOTTOM - INTERNAL GENERAL VISUAL INSPECTION	ACFT MODEL(S) EMB-145

TASK 05-20-34-200-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

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

A. General

- (1) This procedure obeys the EWIS ICA requirement.
- (2) This task gives instructions to do SMRD Zonal Task 53-Z161-214-001-A00.
- (3) You must do the internal general visual inspection (GVI) of center fuselage IV, at zones 161/162, within a touching distance from the items examined.
- (4) The function of the internal general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.
- (5) Apart from any specific targets defined in the Zonal Inspection task, a General Visual Inspection (GVI) must be conducted of the entire zone specified and includes all installations, components and structures. Refer to AMM Introduction for zonal inspection criteria.

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM TASK 12-23-00-600-801-A/300	-
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

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
251	251GF	Passenger cabin floor
251	251HF	Passenger cabin floor
252	252DF	Passenger cabin floor
261	261AF	Passenger cabin floor
261	261BF	Passenger cabin floor
261	261CF	Passenger cabin floor
261	261DF	Passenger cabin floor

(Continued)

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
262	262AF	Passenger cabin floor
262	262BF	Passenger cabin floor
262	262CF	Passenger cabin floor

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	
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

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Center fuselage IV - passenger cabin bottom

I. Preparation (Figure 601)

SUBTASK 841-004-B

- (1) Use table 601 to remove the passenger-cabin floor panels as applicable from 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 MODELS	PANELS
EMB-145 ()	251GH, 251HF, 252DF, 261AF, 261BF, 261CF, 261DF, 262CF, 262BF and 262AF
EMB-135 ()	251GH, 251HF, 252DF, 262BF, 262CF, 261DF and 261CF

- (2) Remove the thermoacoustic insulation from center fuselage IV to zones 161/162 (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, fillet sealant condition, nicks, cracks, dents, erosion, corrosion, and deteriorated protective treatment and foreign objects ([Figure 602](#)).
- (2) Examine the fuselage skin longitudinal splices, fuselage skin circumferential splices, passenger compartment floor beams and columns, and frames for loose rivets, nicks, cracks, dents, erosion, corrosion, and deteriorated protective treatment ([Figure 602](#)).
- (3) Examine the interior of the zone for leakage on skins, broken strands of the rudder and elevator control cables, ducts and muffler screen condition, and signs of overheating caused by leakage at the connection of the hydraulic lines, air conditioning ducts and outlets, and bleed air ducts.
- (4) Examine drains for signs of corrosion. Also do a check for blockage and correct operation (AMM TASK 12-23-00-600-801-A/300).
- (5) Examine the EWIS components for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.

K. Follow-on

SUBTASK 842-004-B

- (1) Install the thermoacoustic insulation to zones 161/162 (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).

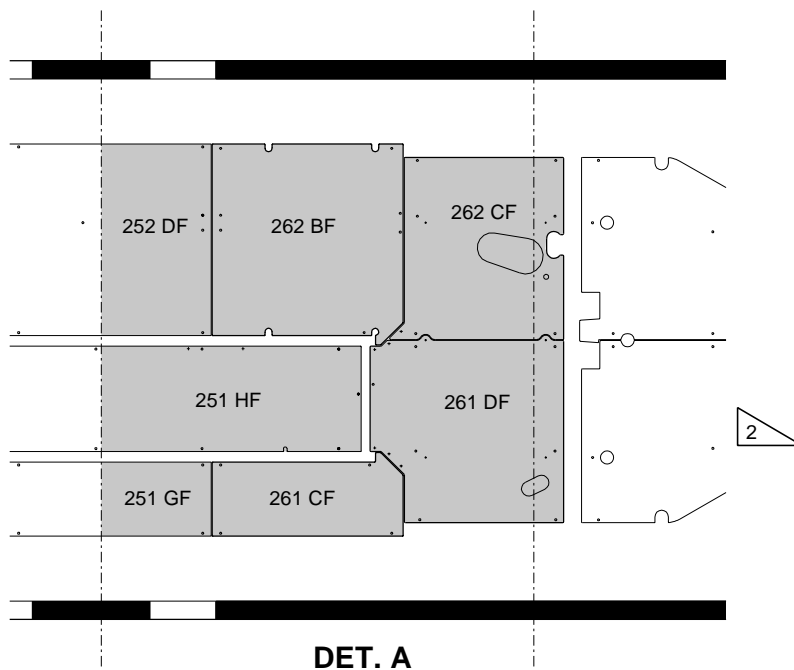
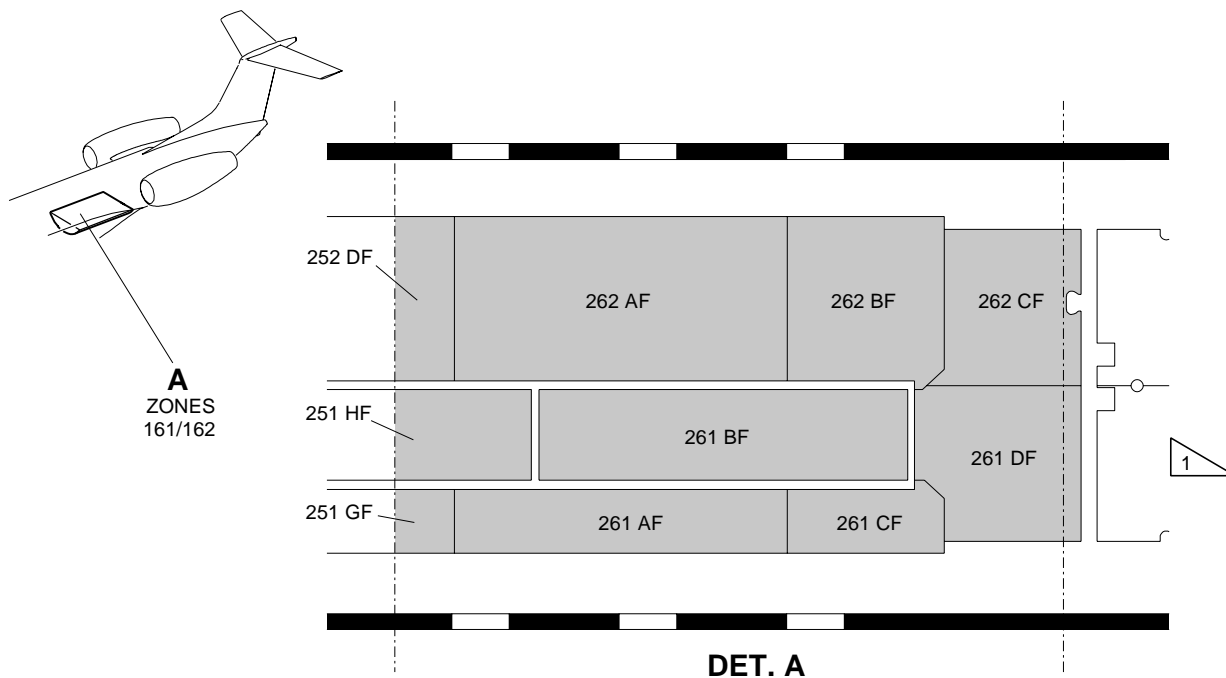
NOTE: The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.

- (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: ACFT MODEL(S) EMB-145

Center Fuselage IV - Passenger Cabin Bottom - Floor Panels

Figure 601



1 APPLICABLE TO EMB-145 (ALL) MODELS

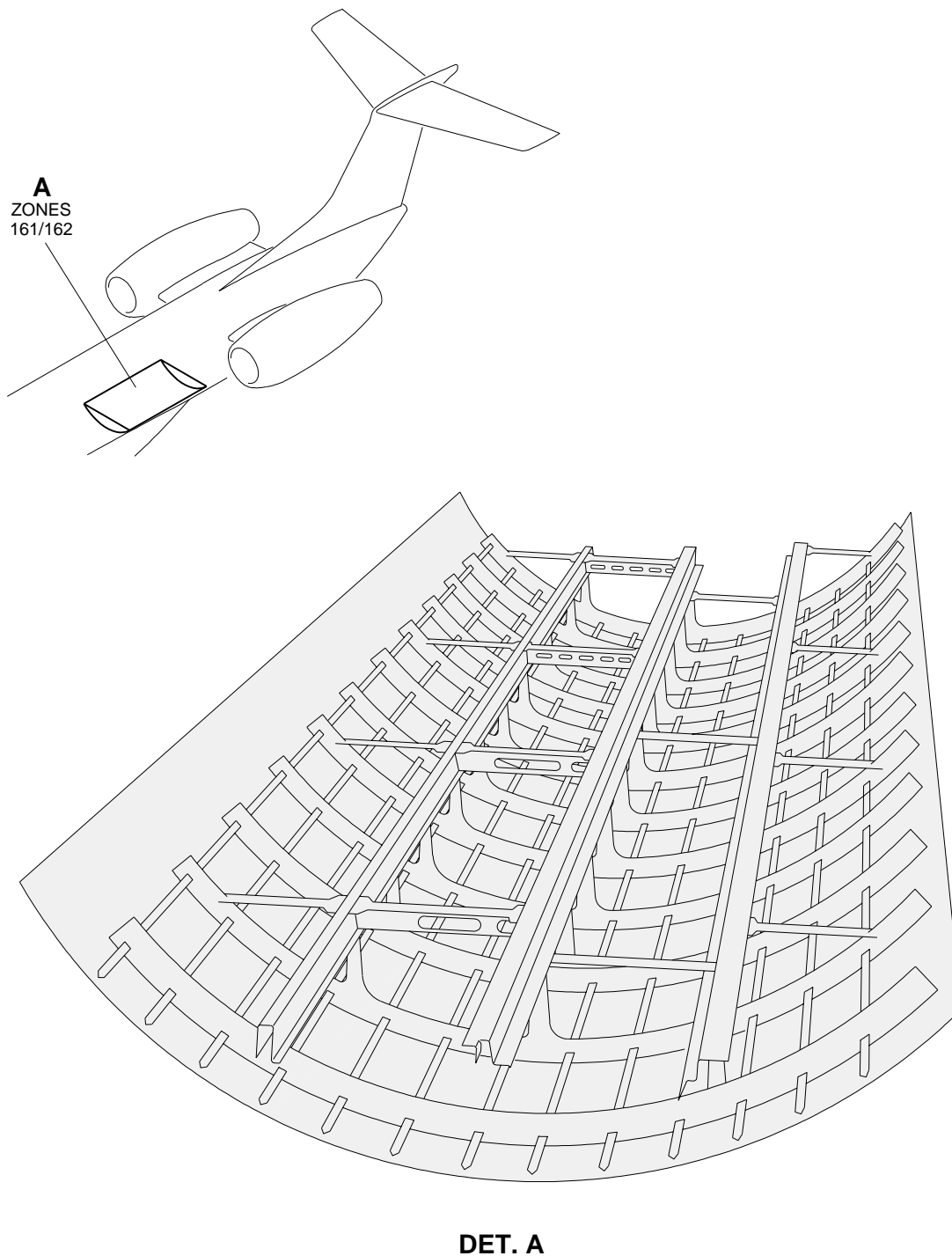
2 APPLICABLE TO EMB-135 (ALL) MODELS

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EFFECTIVITY: ACFT MODEL(S) EMB-145

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

Figure 602



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