



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

PASSENGER CABIN BOTTOM - EXTERNAL - 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.
- 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
05-20-66-200-801-A	CENTER FUSELAGE III - PASSENGER CABIN BOTTOM - EXTERNAL GENERAL VISUAL INSPECTION	EMB-145LR/LU/MR/MP/ MK AND EMB-135LR/KE/KL MODELS



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TASK 05-20-66-200-801-A

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

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

A. General

- (1) This task gives instructions to do the external general visual inspection (GVI) of center fuselage III, at zones 151/152/153/154, within a touching distance of the items examined.
- (2) The function of the external general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 12-22-00-600-801-A/300	LIGHT DIRT - SERVICING
AMM TASK 12-22-00-600-802-A/300	HEAVY DIRT - SERVICING
AMM TASK 28-41-00-200-801-A/600	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191EL	Wing-to-fuselage fairing
191	191FR	Wing-to-fuselage fairing
191	191GL	Wing-to-fuselage fairing
193	193BL	Wing-to-fuselage fairing
193	193CR	Wing-to-fuselage fairing
193	193LL	Wing-to-fuselage fairing

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Standard	Screwdriver	To open the access panels 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

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

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

SUBTASK 841-002-A

- (1) If necessary, clean the inspection area ([AMM TASK 12-22-00-600-801-A/300](#)) or ([AMM TASK 12-22-00-600-802-A/300](#)) as applicable.
- (2) Open access panels 191EL, 191FR, 191GL, 193BL, 193CR, and 193LL (AMM MPP 06-41-01/100) ([Figure 601](#)).

J. External General Visual Inspection ([Figure 602](#))

SUBTASK 212-002-A

- (1) Examine 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 fuselage skin panel at stringers and frames/bulkheads, and splices for loose rivets, nicks, cracks, dents, warps, erosion, corrosion, and deteriorated protective treatment ([Figure 602](#)).
- (3) Examine the fuselage skin longitudinal and circumferential splices for loose rivets, nicks, cracks, dents, erosion, corrosion, and deteriorated protective treatment ([Figure 602](#)).
- (4) Examine the access panels for general condition and loose/missing screws.

K. Follow-on

SUBTASK 842-002-A

- (1) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

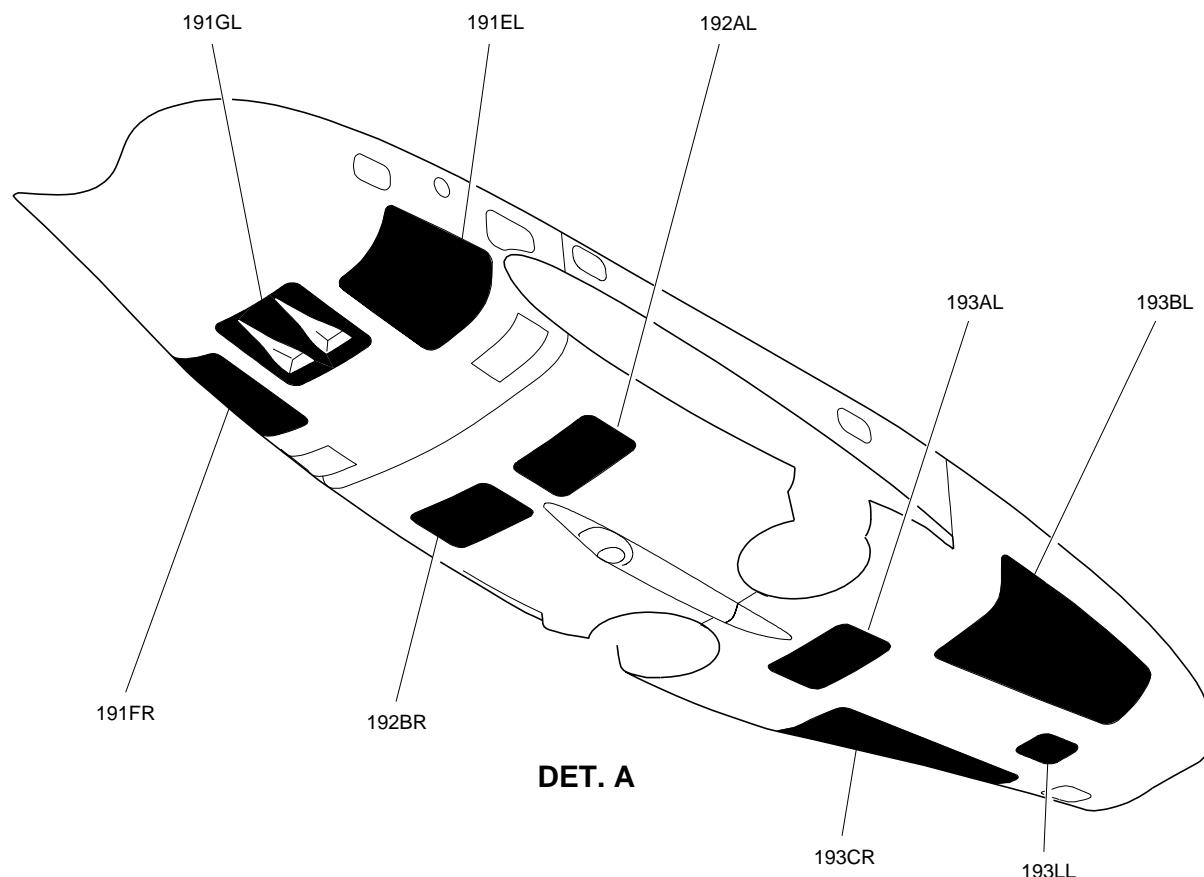
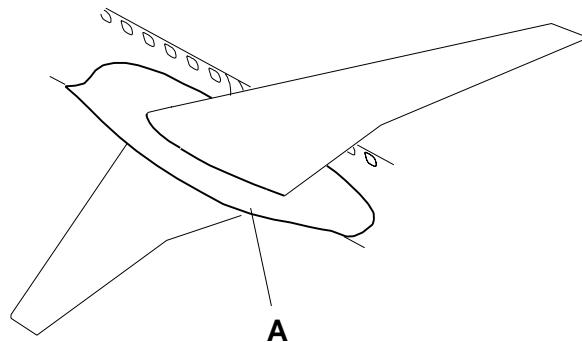
NOTE: The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.

- (2) Close access panels 191EL, 191FR, 191GL, 193BL, 193CR, and 193LL (AMM MPP 06-41-01/100).

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

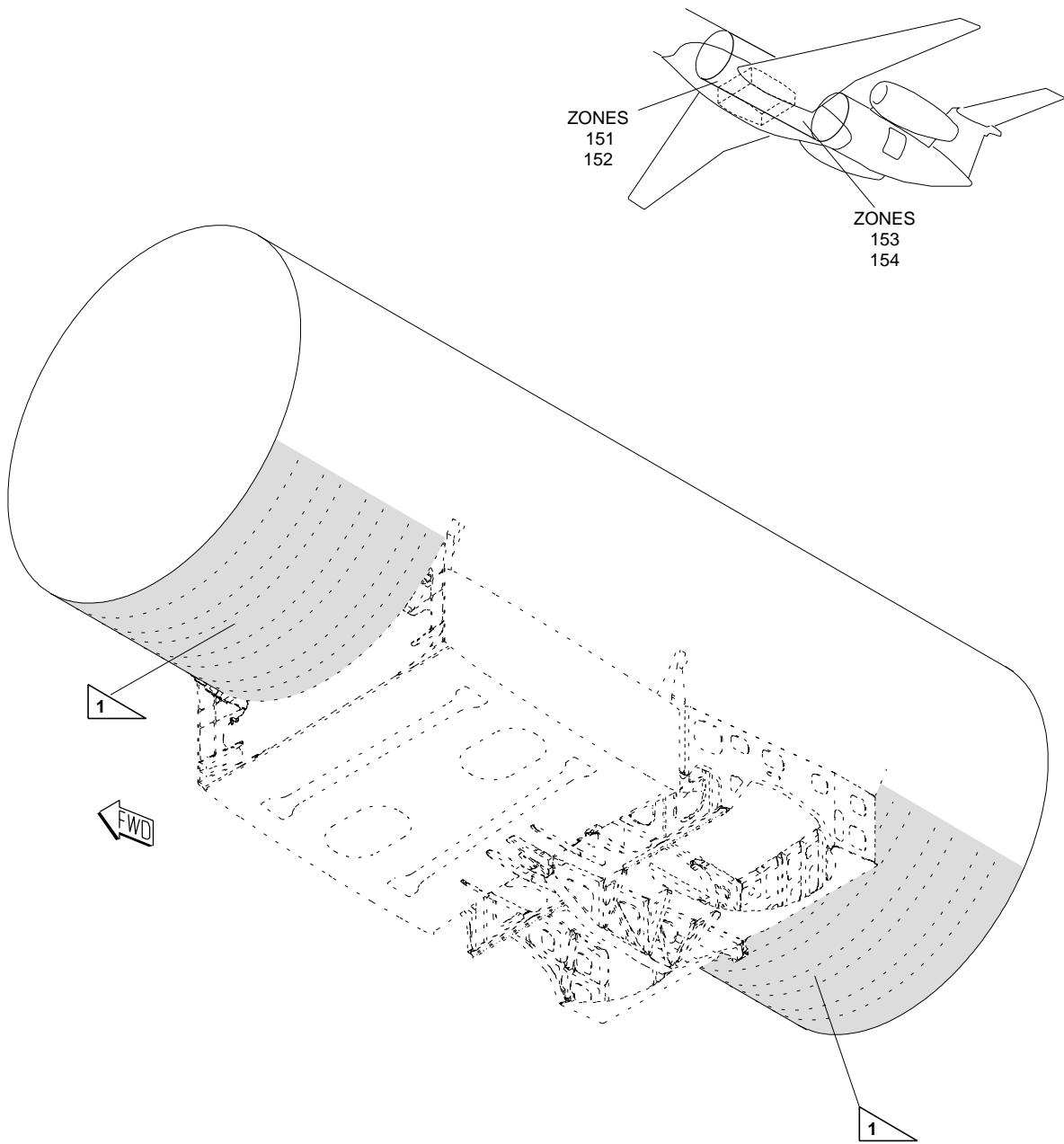
Center Fuselage III - Passenger Cabin Bottom - Access Panels

Figure 601



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EFFECTIVITY: EMB-145LR/LU/MR/MP/MK AND EMB-135LR/KE/KL MODELS
Center Fuselage III - Passenger Cabin Bottom - External General Visual Inspection
Figure 602



 EXTERNALLY INSPECT FUSELAGE SKIN PANEL, SKIN LONGITUDINAL AND CIRCUMFERENTIAL SPLICES.

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