



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**CENTER FUSELAGE I - PASSENGER CABIN BOTTOM - EXTERNAL - INSPECTION/CHECK**

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to do the visual inspection of center fuselage I - passenger cabin bottom for general condition.
- B. Related Zones: 131/132.
- C. Zone Boundaries: STA X = 4154.5 thru STA X = 7131.0.
- 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).

<i>TASK NUMBER</i>	<i>DESCRIPTION</i>	<i>EFFECTIVITY</i>
05-20-17-200-801-A ♦	CENTER FUSELAGE I - PASSENGER CABIN BOTTOM - EXTERNAL GENERAL VISUAL INSPECTION	ALL

**TASK 05-20-17-200-801-A**
**EFFECTIVITY: ALL**

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

**A. General**

- (1) This task gives instructions to do SRMD Zonal Task 53-Z131-213-001-A00.
- (2) You must do the external general visual inspection (GVI) of center fuselage I, at zones 131/132, within a touching distance of the items examined.
- (3) The function of the external 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 12-22-00-600-801-A/300	LIGHT DIRT - SERVICING
AMM TASK 12-22-00-600-802-A/300	HEAVY DIRT - SERVICING
AMM TASK 12-23-00-600-801-A/300	-

**C. Zones and Accesses**

Not Applicable

**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 I - passenger cabin bottom

**I. Preparation**

**SUBTASK 841-002-A**

- (1) Put the ladder in position.

- (2) 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.

**J. External General Visual Inspection ([Figure 601](#)) ([Figure 602](#))**

**SUBTASK 212-002-A**

- (1) Examine the fuselage zone for painting bad condition, loose rivets, skin deformation, sealant poor condition, scratches, gouges, creases, nicks, cracks, dents, erosion, corrosion, and deteriorated protective treatment.
- (2) Examine the fuselage skin panel at stringers and frames/bulkheads, and splices for loose rivets, nicks, cracks, dents, erosion, corrosion, and deteriorated protective treatment ([Figure 601](#)).
- (3) Examine the fuselage skin longitudinal and circumferential splices for loose rivets, nicks, cracks, dents, erosion, corrosion, and deteriorated protective treatment ([Figure 601](#)).
- (4) Examine the DME1, MB2, TDR MODE-S BOTTOM, VHF2 and MB1 antennas for loose screws and washers, nicks, cracks, dents, scratches, gouges, erosion, flaking paint, and sealant poor condition ([Figure 602](#)).
- (5) Examine drains for signs of corrosion. Also do a check for blockage and correct operation (AMM TASK 12-23-00-600-801-A/300).

**K. Follow-on**

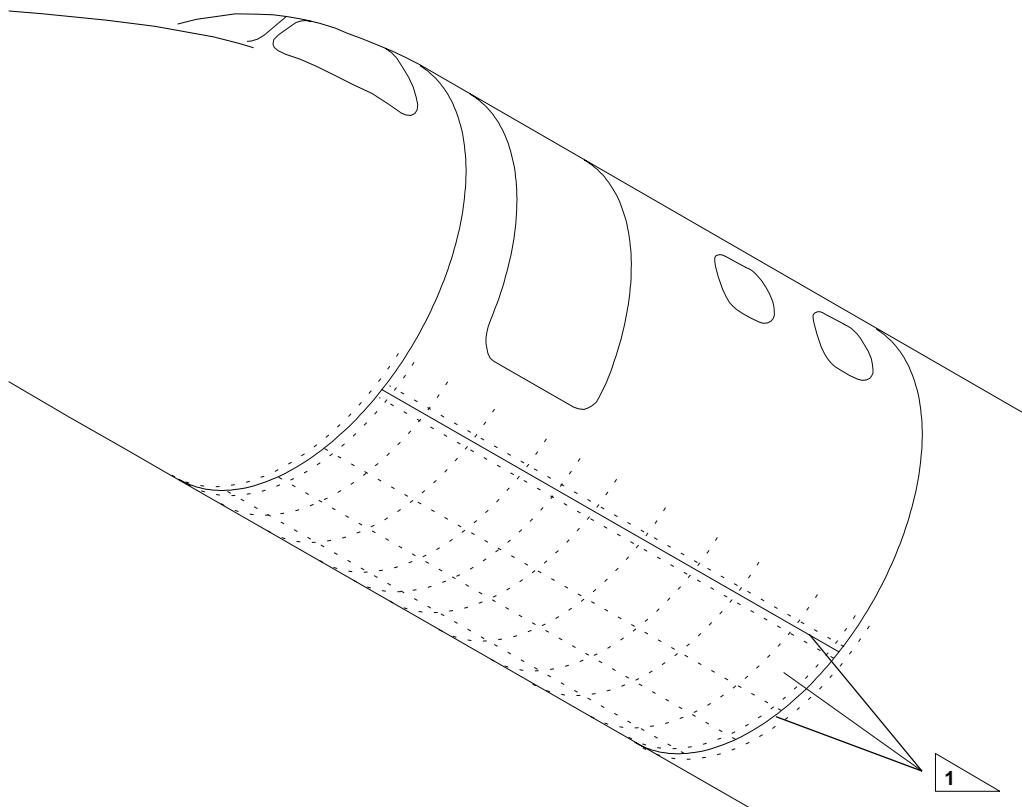
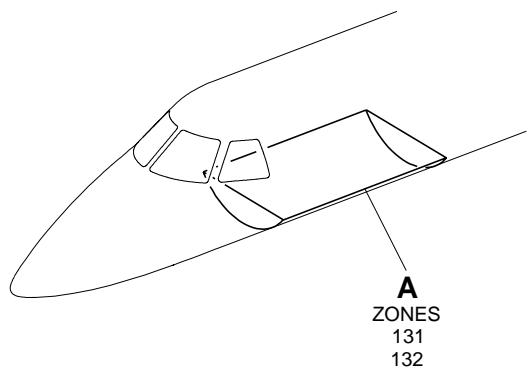
**SUBTASK 842-002-A**

- (1) Remove the ladder.

**EFFECTIVITY: ALL**

Center Fuselage I - Passenger Cabin Bottom - External General Visual Inspection

Figure 601



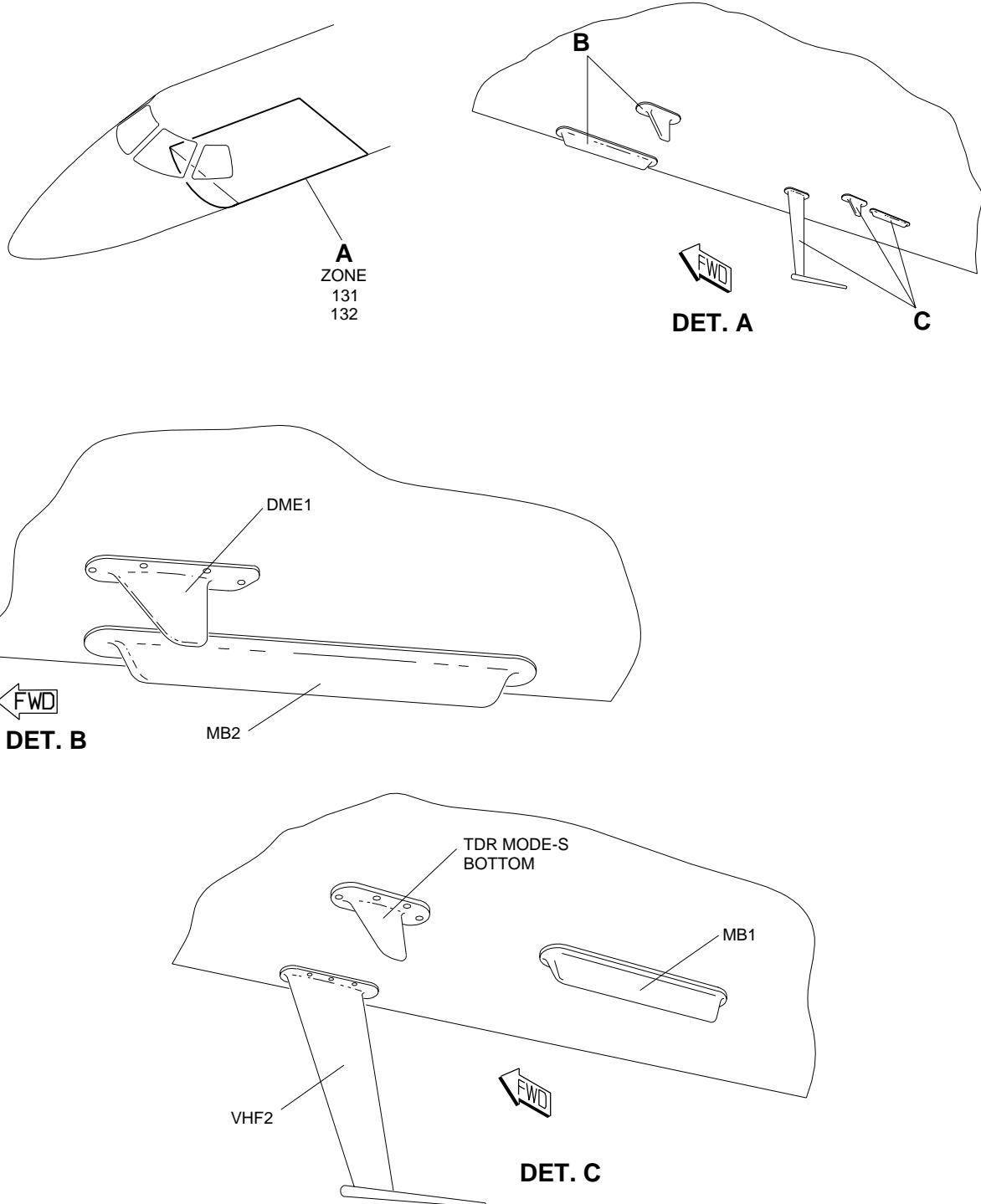
**1 EXTERNALLY INSPECT FUSELAGE SKIN PANEL,  
SKIN LONGITUDINAL AND CIRCUMFERENTIAL SPLICES.**

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**EFFECTIVITY: ALL**

Center Fuselage I - Passenger Cabin Bottom - Antennas

Figure 602



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