



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

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

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of center fuselage I - passenger cabin top for general condition.
- B. Related Zones: 233/234.
- 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).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
05-20-19-200-801-A ♦	CENTER FUSELAGE I - PASSENGER CABIN TOP - EXTERNAL GENERAL VISU- AL INSPECTION	ALL



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MAINTENANCE MANUAL

TASK 05-20-19-200-801-A

EFFECTIVITY: ALL

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

A. General

- (1) This task gives instructions to do SMRD Zonal Task 53-Z233-213-001-A00.
- (2) You must do the external general visual inspection (GVI) of center fuselage I, at zones 233/234, 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

REFERENCE	DESIGNATION
AMM TASK 12-22-00-600-801-A/300	LIGHT DIRT - SERVICING
AMM TASK 12-22-00-600-802-A/300	HEAVY DIRT - SERVICING

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
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

QTY	FUNCTION	PLACE
1	Does the task	Center fuselage I - passenger cabin top

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) **NOTE:** Some aircraft can have TDR MODE-S TOP and LSS (optional) installed at zones 243/244.

Examine the TCAS TOP, GPS, TDR MODE-S TOP and LSS (optional) antennas as applicable, for loose screws and washers, nicks, cracks, dents, scratches, gouges, erosion, corrosion, flaking paint, and aerodynamic sealing condition ([Figure 602](#)).

K. Follow-on

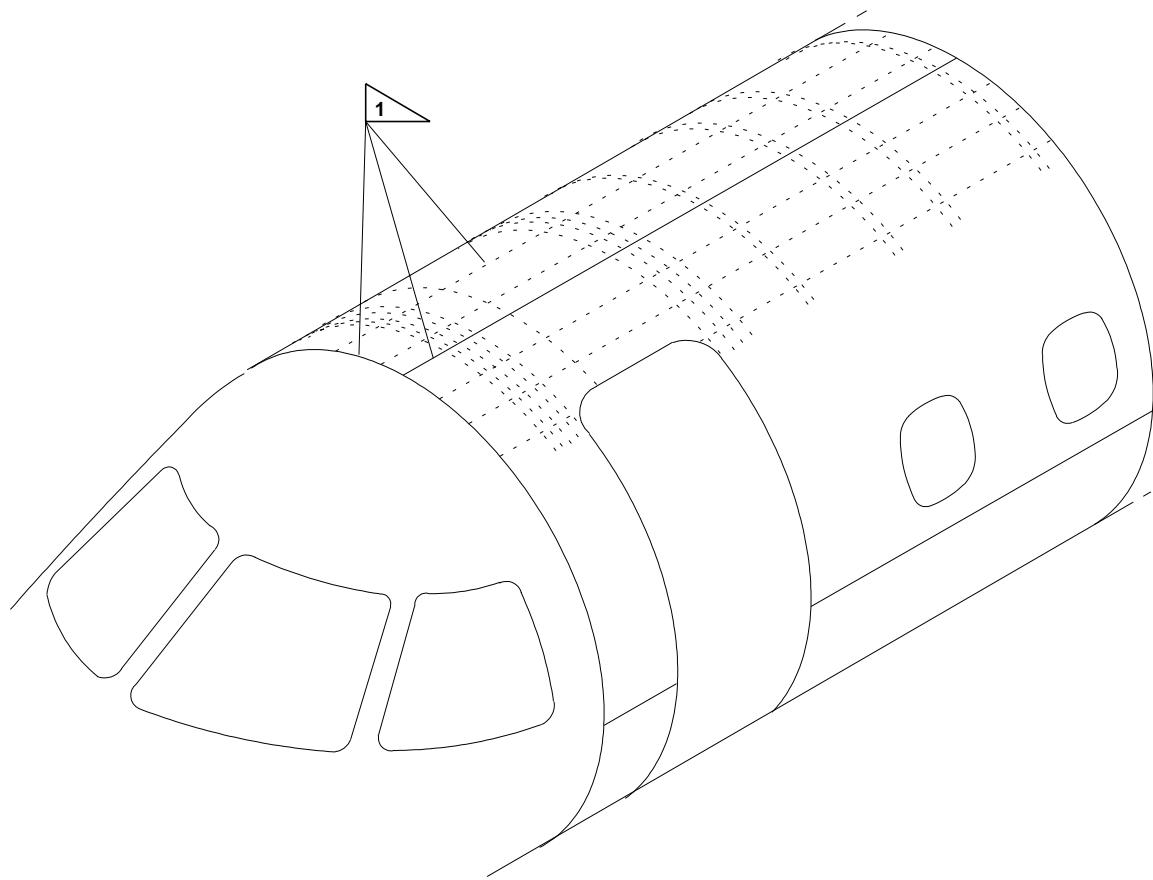
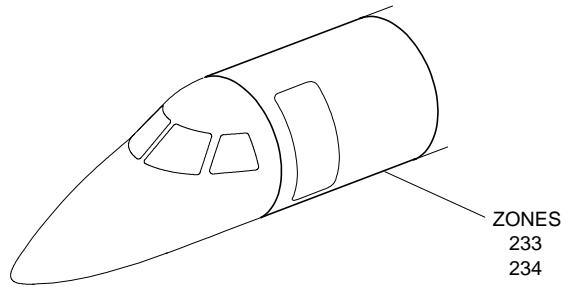
**SUBTASK 842-002-A**

- (1) Remove the ladder.

EFFECTIVITY: ALL

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

Figure 601



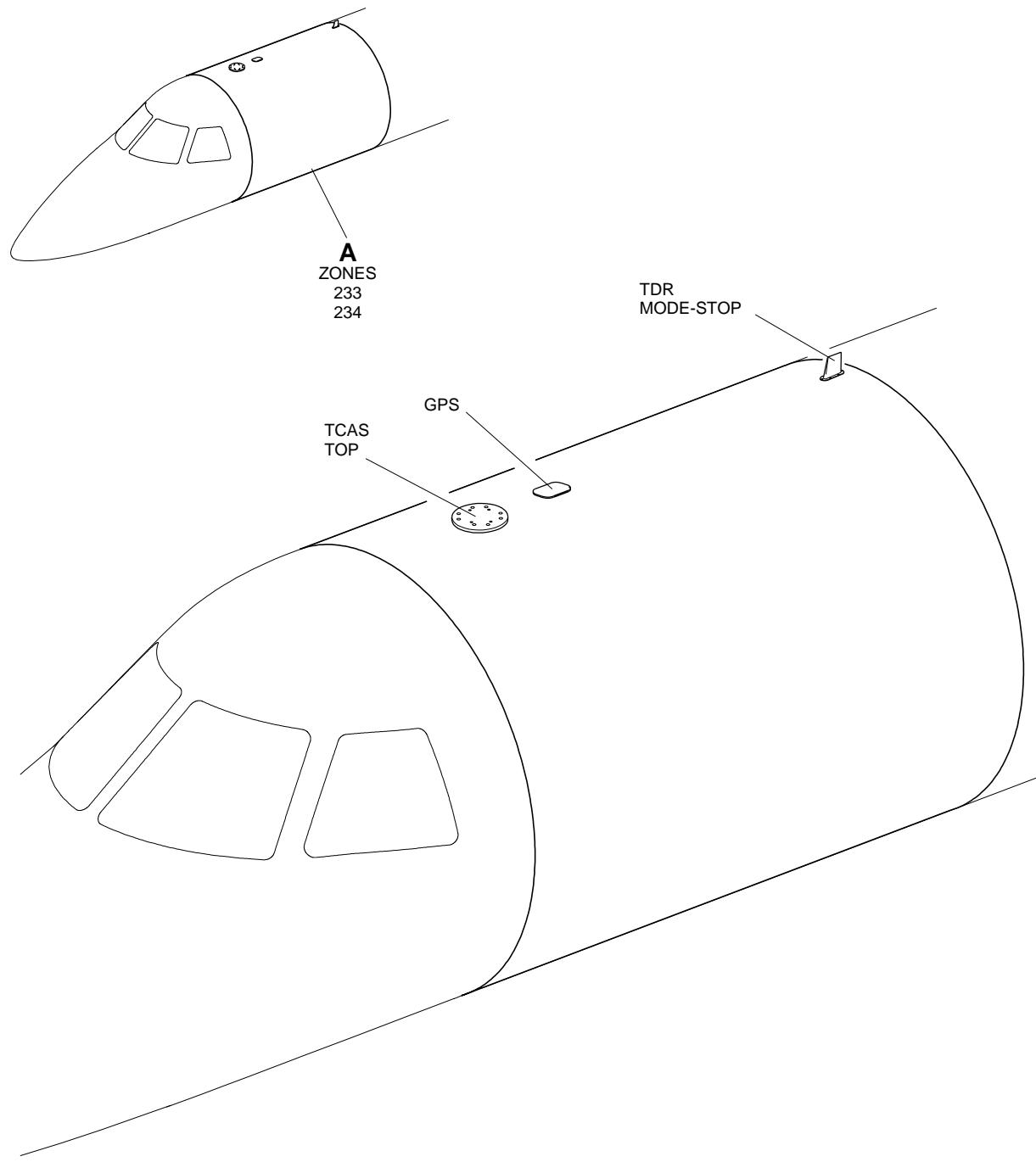
EXTERNALLY INSPECT FUSELAGE SKIN PANEL, SKIN LONGITUDINAL  
AND CIRCUMFERENTIAL SPLICES.

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EFFECTIVITY: ALL

Center Fuselage I - Passenger Cabin Top - Antennas

Figure 602



**DET. A**



EXTERNALLY INSPECT ANTENNAS FOR GENERAL CONDITION  
AND AERODYNAMIC SEALING.

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