



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

CENTER FUSELAGE IV - PASSENGER CABIN BOTTOM - EXTERNAL - INSPECTION/CHECK

EFFECTIVITY: ALL

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 (ALL) models) Zone Boundaries: STA X = 17727.0 thru STA X = 20793.0.
(Applicable to EMB-135 (ALL) 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
05-20-33-200-801-A	CENTER FUSELAGE IV - PASSENGER CABIN BOTTOM - EXTERNAL GENERAL VISUAL INSPECTION	ALL



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MAINTENANCE MANUAL

TASK 05-20-33-200-801-A

EFFECTIVITY: ALL

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

A. General

- (1) This task gives the instructions to do SMRD Zonal Task 53-Z161-213-001-A00.
- (2) You must do the external general visual inspection (GVI) of center fuselage IV, at zones 161/162, 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

ZONE	PANEL/DOOR	LOCATION
193	193BL	Rear wing-to-fuselage fairing
193	193CR	Rear wing-to-fuselage fairing

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 IV - passenger cabin bottom

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

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.

- (3) Open access panels 193BL and 193CR ([Figure 601](#)).

J. External General Visual Inspection ([Figure 602](#)) ([Figure 603](#))

SUBTASK 212-002-A

- (1) Examine the fuselage zone for loose rivets, skin deformation, fillet sealant condition, nicks, cracks, dents, erosion, corrosion, and deteriorated protective treatment ([Figure 602](#)) or ([Figure 603](#)) as applicable.

- (2) Examine the fuselage skin longitudinal splices for loose rivets, nicks, cracks, dents, erosion, corrosion, and deteriorated protective treatment ([Figure 602](#)) or ([Figure 603](#)) as applicable.

- (3) Examine the fuselage skin circumferential splices for loose rivets, nicks, cracks, dents, erosion, corrosion, and deteriorated protective treatment ([Figure 602](#)) or ([Figure 603](#)) as applicable.

- (4) Examine the antennas for general condition and aerodynamic sealing.

- (5) **NOTE:** Open the access panel referred to in step (5) to get access to the zone under inspection. Do a visual check on the access panel and components of the access, got when you open the related panel.

Through access panel 193BL, examine the hydraulic compartment for nicks, cracks, chafing, leakage, distortion of ducts, hoses and piping system, wear, corrosion, cuts, correct assembly of components, misalignment, clamp looseness, foreign objects, and drain connection.

- (6) **NOTE:** Open the access panel referred to in step (6) to get access to the zone under inspection. Do a visual check on the access panel and components of the access , got when you open the related panel.

Through access panel 193CR, examine the hydraulic compartment for nicks, cracks, chafing, leakage, distortion of ducts, hoses and piping system, wear, corrosion, cuts, correct assembly of components, misalignment, clamp looseness, foreign objects, and drain connection.

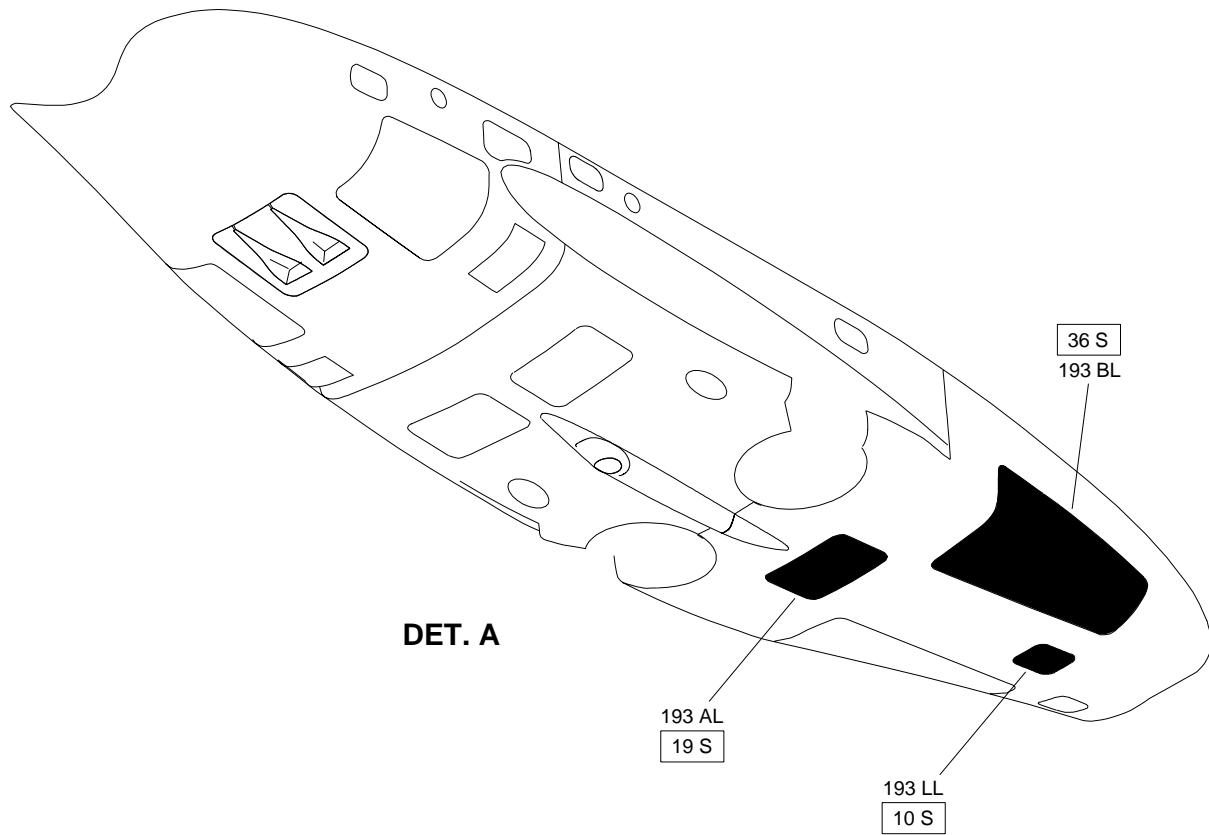
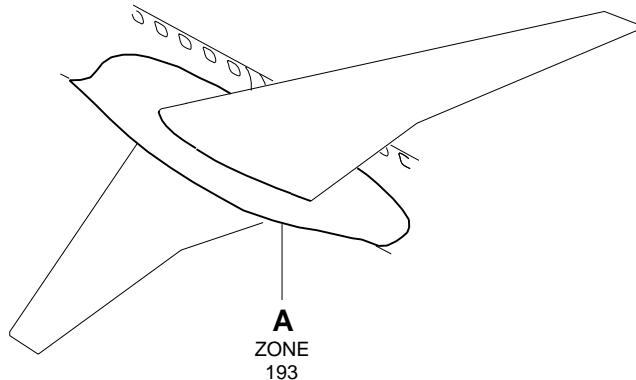
K. Follow-on

SUBTASK 842-002-A

- (1) Close access panels 193BL and 193CR.

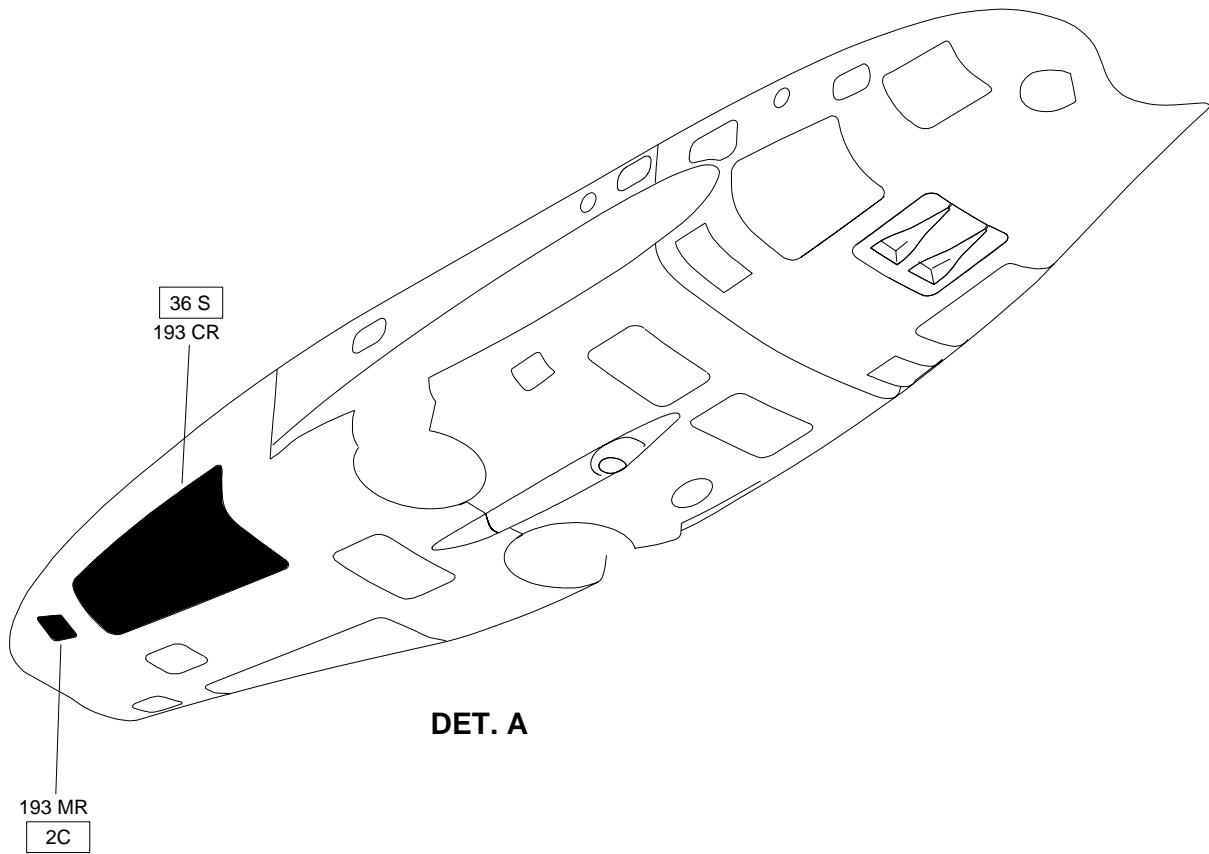
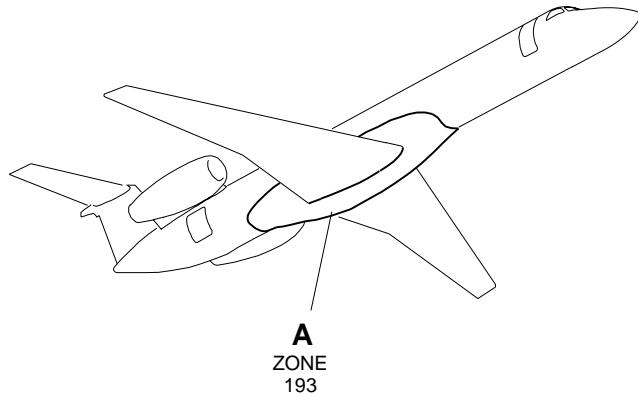
- (2) Remove the ladder.

EFFECTIVITY: ALL
Access Panels - Location
Figure 601 - Sheet 1



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EFFECTIVITY: ALL
Access Panels - Location
Figure 601 - Sheet 2

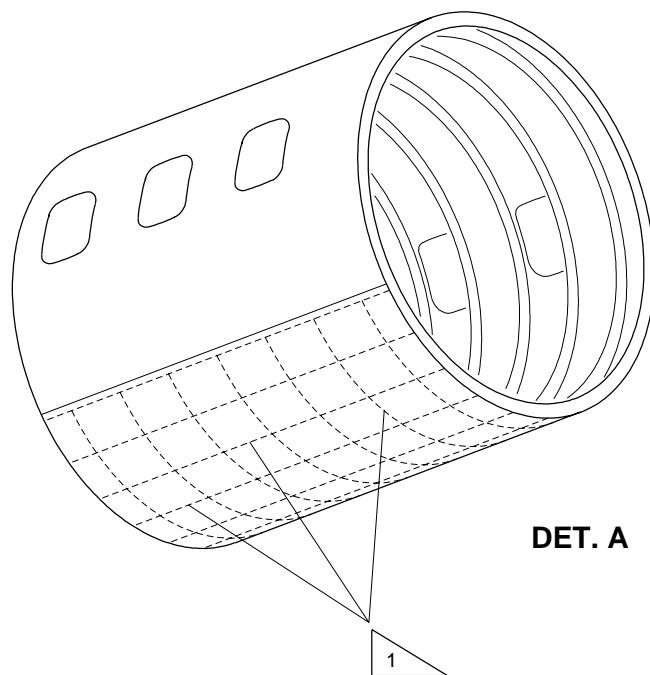
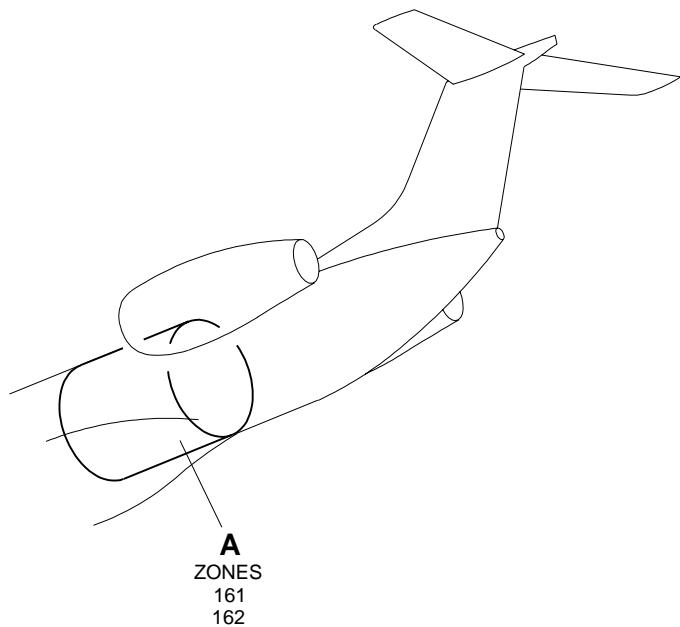


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EFFECTIVITY: EMB-145 () models

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

Figure 602



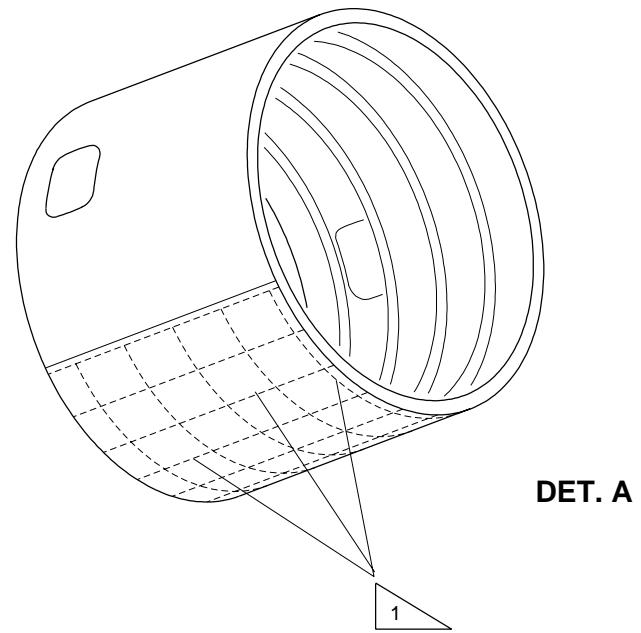
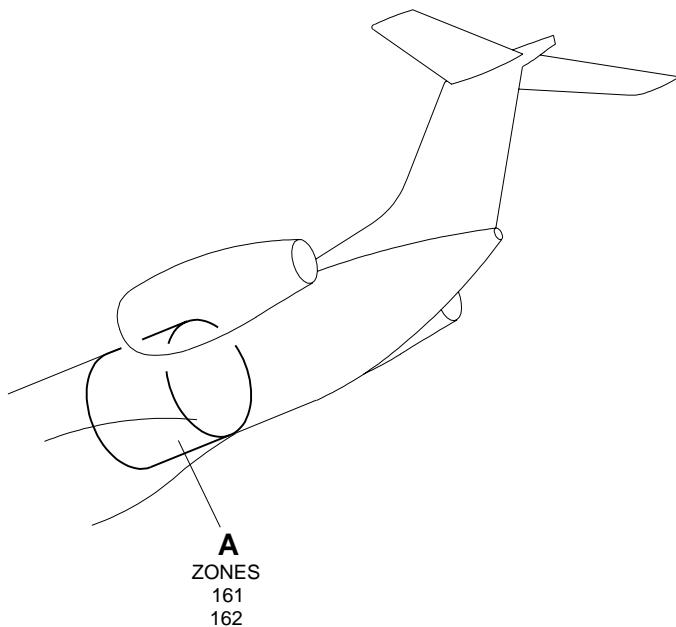
EXTERNALLY INSPECT FUSELAGE SKIN
LONGITUDINAL AND CIRCUMFERENTIAL SPLICES.

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EFFECTIVITY: EMB-135 () models

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

Figure 603



 EXTERNALLY INSPECT FUSELAGE SKIN
LONGITUDINAL AND CIRCUMFERENTIAL SPLICES.

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