



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

FORWARD FUSELAGE II - COCKPIT LH/RH SIDES - EXTERNAL - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of forward fuselage II - cockpit LH/RH sides for general condition.
- B. Related Zones: 223/224.
- C. Zone Boundaries: STA X = 2364.0 thru STA X = 4154.5.
- 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
05-20-13-200-801-A ♦	FORWARD FUSELAGE II - COCKPIT LH/RH SIDES - EXTERNAL GENERAL VISUAL INSPECTION	ALL



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TASK 05-20-13-200-801-A

EFFECTIVITY: ALL

2. FORWARD FUSELAGE II - COCKPIT LH/RH SIDES - EXTERNAL GENERAL VISUAL INSPECTION

A. General

- (1) This task gives instructions to do SRMD Zonal Task 53-Z223-213-001-A00.
- (2) You must do the external general visual inspection (GVI) of forward fuselage II, at zones 223/224, 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	Forward fuselage II - cockpit LH/RH sides

I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, on the cockpit ceiling, make sure that the SENSORS HTG circuit breaker is closed (Location tip: DC BUS 2/ICE AND RAIN PROTECTION/ SENSORS HTG).
- (2) Put the ladder in position.

- (3) 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

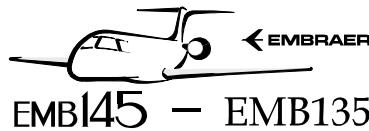
WARNING: DO NOT TOUCH THE PITOT AND TAT SENSORS IMMEDIATELY AFTER THE SYSTEM IS TURNED OFF. THE HIGH TEMPERATURE CAN CAUSE INJURY TO PERSONS.

- (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, pressure bulkhead 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 AOA sensor and ice detector for loose screws and washers, painting bad condition, nicks, cracks, dents, scratches, gouges, erosion, corrosion, and sealant poor condition ([Figure 601](#)).
- (5) Examine the cockpit windshield for delaminations and crazing ([Figure 602](#)).
- (6) Examine the windshield lateral post and its attachment for painting bad condition, loose rivets, sealant poor condition, twisted parts, scratches, gouges, nicks, cracks, dents, erosion, corrosion, and deteriorated protective treatment ([Figure 602](#)).
- (7) Examine the windshield and cockpit escape hatch aerodynamic sealing to make sure that is not scratched, gouged, creased, scored, cracked or ruptured ([Figure 603](#)).

K. Follow-on

SUBTASK 842-002-A

- (1) Remove the ladder.

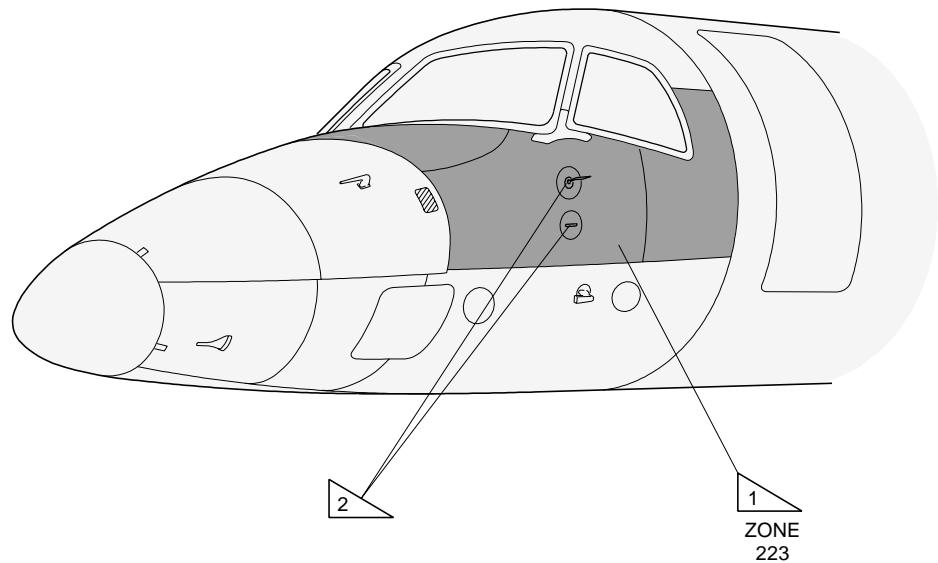
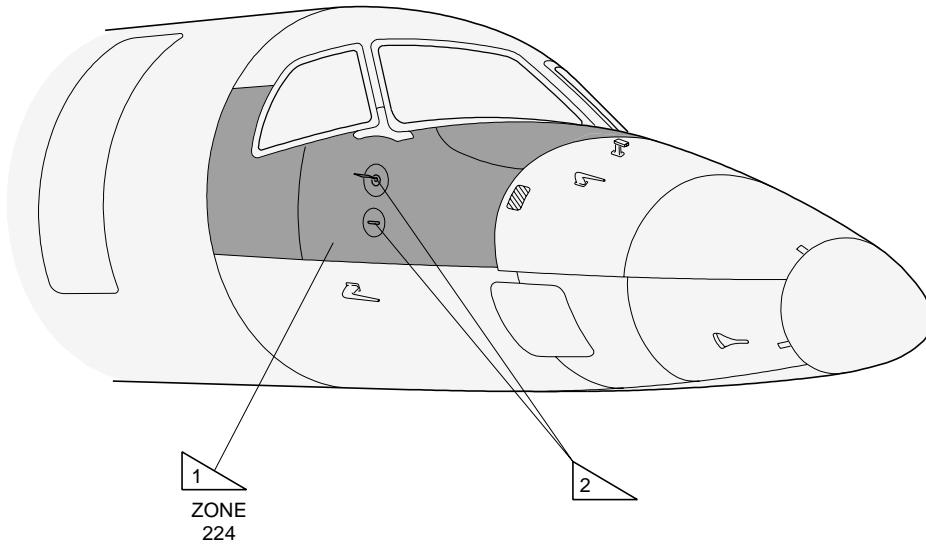


AIRCRAFT MAINTENANCE MANUAL

EFFECTIVITY: ALL

Forward Fuselage II - Cockpit LH/RH Sides - External General Visual Inspection

Figure 601



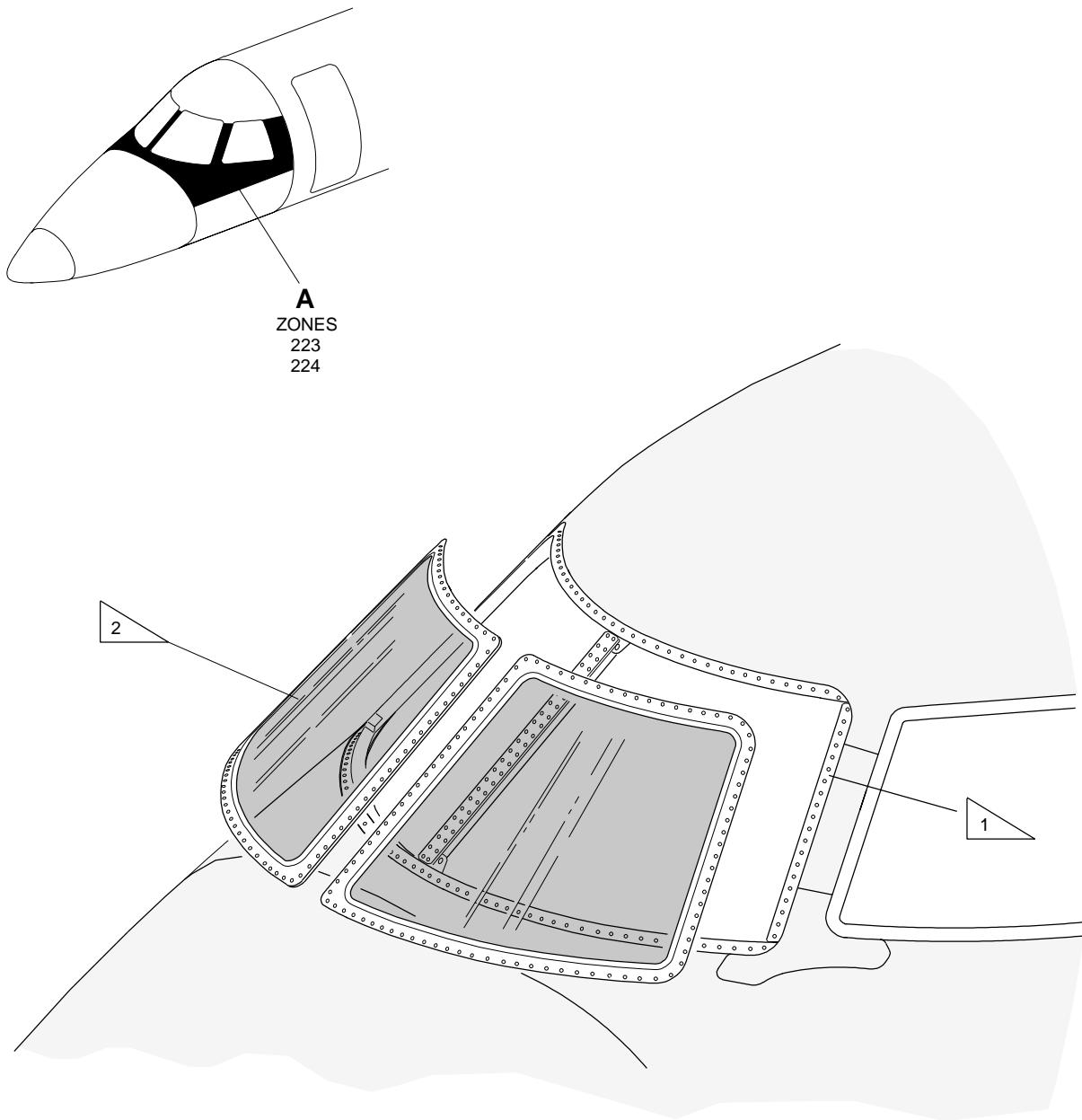
-  1 EXTERNALLY INSPECT FUSELAGE SKIN PANEL AT STRINGER, FRAMES/BULKHEADS, AND PRESSURE BULKHEAD, FUSELAGE SKIN LONGITUDINAL AND CIRCUMFERENTIAL SPLICES.
 -  2 EXTERNALLY INSPECT AOA SENSOR AND ICE DETECTOR.

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EFFECTIVITY: ALL

Windshield Lateral Post and its Attachment - External General Visual Inspection

Figure 602



DET. A



EXTERNALLY INSPECT THE WINDSHIELD LATERAL POST AND ITS ATTACHMENT.

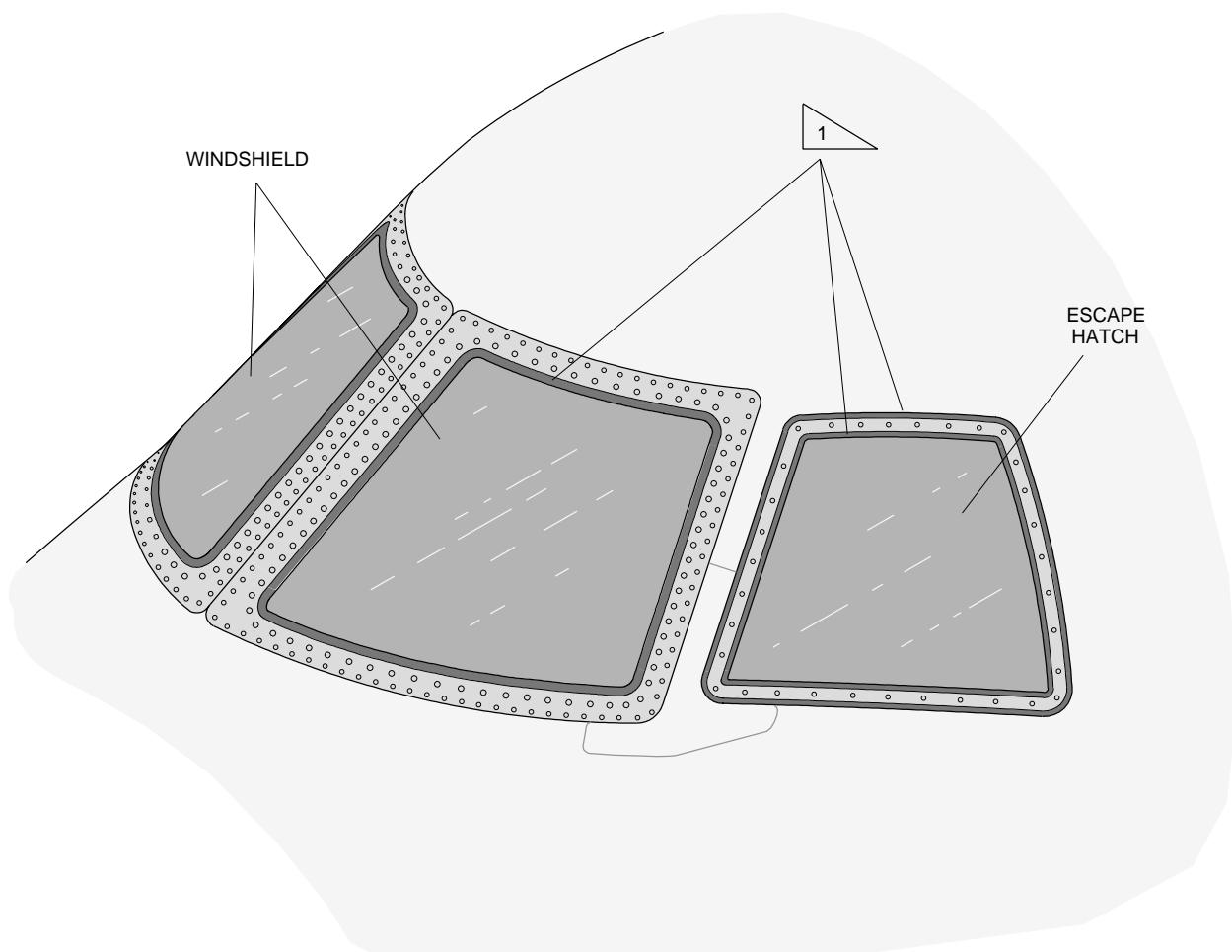
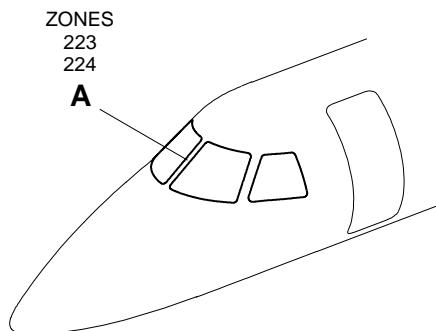


EXAMINE THE COCKPIT WINDSHIELD FOR DELAMINATIONS AND CRAZING.

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EFFECTIVITY: ALL

Windshield and Cockpit Escape Hatch Aerodynamic Sealing - External General Visual Inspection
Figure 603



DET. A



EXTERNALLY INSPECT THE AERODYNAMIC SEALING.

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