



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

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**REAR FUSELAGE II - AFT OF REAR PRESSURE BULKHEAD - INTERNAL - INSPECTION/CHECK**

**EFFECTIVITY: ALL**

**1. General**

- A. This section gives the procedures to do the visual inspection of rear fuselage II - aft of rear pressure bulkhead for general condition.
- B. Related Zones: 311/312.
- C. (Applicable to EMB-145 ( ) models) Zone Boundaries: STA X = 25581.0 thru STA X = 26461.57.  
(Applicable to EMB-135 ( ) models) Zone Boundaries: STA X = 22041.0 thru STA X = 22921.57.
- 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).

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<i>TASK NUMBER</i>	<i>DESCRIPTION</i>	<i>EFFECTIVITY</i>
05-20-47-200-801-A ♦	REAR FUSELAGE II - AFT OF REAR PRESSURE BULKHEAD - INTERNAL GENERAL VISUAL INSPECTION	ALL

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TASK 05-20-47-200-801-A

EFFECTIVITY: ALL

2. REAR FUSELAGE II - AFT OF REAR PRESSURE BULKHEAD - INTERNAL GENERAL VISUAL INSPECTION

A. General

- (1) This procedure obeys the EWIS ICA requirement.
- (2) This task gives instructions to do SMRD Zonal Task 53-Z311-214-001-A00.
- (3) You must do the internal general visual inspection (GVI) on rear fuselage II, in zones 311/312, at a distance from which you can touch the items that you will examine.
- (4) The function of the internal general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.
- (5) Apart from any specific targets defined in the Zonal Inspection task, a General Visual Inspection (GVI) must be conducted of the entire zone specified and includes all installations, components and structures. Refer to INTRODUCTION for zonal inspection criteria.

B. References

REFERENCE	DESIGNATION
WM 20-22-00	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
312	312AR	Structural area aft of rear pressure bulkhead - RH

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	Rear fuselage II - aft of rear pressure bulkhead

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

## SUBTASK 841-002-A

- (1) Put the ladder in position.
- (2) Open access door 312AR ([Figure 601](#)).

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

## SUBTASK 212-002-A

- (1) Examine the interior of the zone for loose rivets, skin deformation, nicks, cracks, dents, erosion, corrosion, deteriorated protective treatment, and foreign objects ([Figure 602](#)).
- (2) Examine the interior of the zone for loose rivets, nicks, cracks, dents, erosion, corrosion, and deteriorated protective treatment at stringers, frames/bulkheads, splices, and circumferential splices.
- (3) Examine the interior of the zone for leakage signs, broken strands, failure (e.g., dirty, bent, disconnected, cracked, or crushed duct) and signs of overheating caused by leakage at the connection of the rudder control cables and bleed air ducts.
- (4) Examine the APU Firewall for nicks, cracks, dents, erosion, corrosion, deteriorated protective treatment and deformation.
- (5) Examine the EWIS components for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.

## K. Follow-on

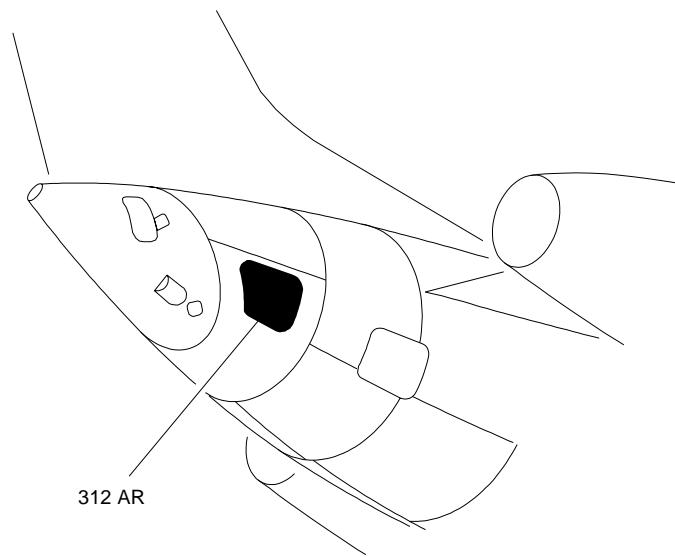
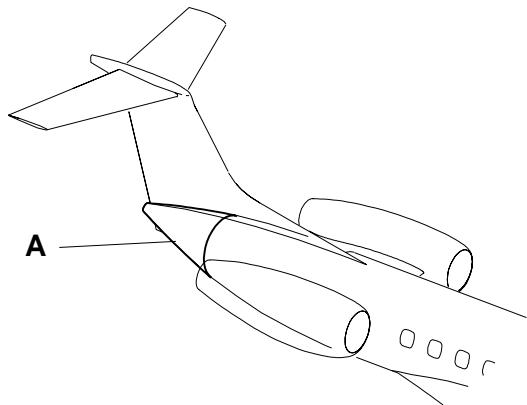
## SUBTASK 842-002-A

- (1) Close access door 312AR.
- (2) Remove the ladder.

**EFFECTIVITY: ALL**

312AR Access Door - Location

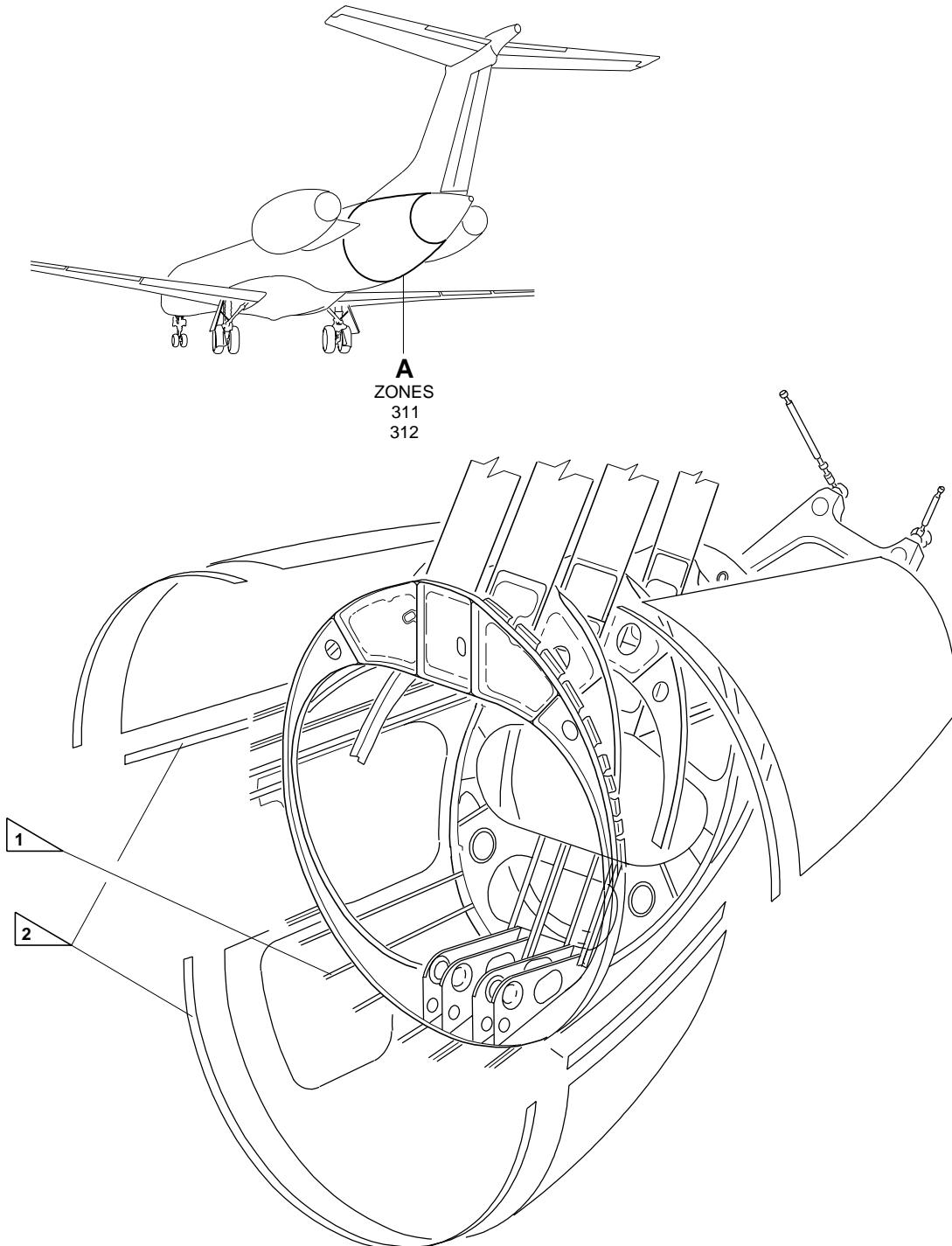
Figure 601



**DET. A**

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**EFFECTIVITY: ALL**

 Rear Fuselage II - Aft Pressure Bulkhead - Internal General Visual Inspection  
 Figure 602


**1** INTERNALLY VISUAL INSPECT FUSELAGE SKIN PANEL AT STRINGERS,  
FRAMES/BULKHEADS, AND SPLICES.

**2** INTERNALLY VISUAL INSPECT FUSELAGE SKIN LONGITUDINAL AND  
CIRCUMFERENTIAL SPLICE.

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