



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**FORWARD FUSELAGE II - COCKPIT LH/RH SIDES - INTERNAL - 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: 221/222/223/224.
- 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
05-20-14-200-801-A ♦	FORWARD FUSELAGE II - COCKPIT LH/RH SIDES - INTERNAL GENERAL VIS- UAL INSPECTION	ALL



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TASK 05-20-14-200-801-A

EFFECTIVITY: ALL

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

A. General

- (1) This procedure obeys the EWIS ICA requirement.
- (2) This task gives instructions to do SRMD Zonal Task 53-Z223-214-001-A00.
- (3) You must do the internal general visual inspection (GVI) of forward fuselage II, at zones 221/222/223/224, within a touching distance of the items examined.
- (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
AMM MPP 06-41-03/100	- COMPONENT LOCATION
AMM TASK 12-23-00-600-801-A/300	-
AMM TASK 25-11-01-000-801-A/400	PILOT SEAT - REMOVAL
AMM TASK 25-11-01-400-801-A/400	PILOT SEAT - INSTALLATION
AMM TASK 25-12-05-000-801-A/400	LH AFT CONSOLE - REMOVAL
AMM TASK 25-12-05-400-801-A/400	LH AFT CONSOLE - INSTALLATION
AMM TASK 25-12-06-000-801-A/400	PEDAL ASSEMBLY LINING - REMOVAL
AMM TASK 25-12-06-400-801-A/400	PEDAL ASSEMBLY LINING - INSTALLATION
AMM TASK 25-12-07-000-801-A/400	GLARESHIELD COVERAGE - REMOVAL
AMM TASK 25-12-07-400-801-A/400	GLARESHIELD COVERAGE - INSTALLATION
AMM TASK 25-12-08-000-801-A/400	-
AMM TASK 25-12-08-400-801-A/400	-
AMM TASK 25-12-09-000-801-A/400	LH/RH COCKPIT LINING - REMOVAL
AMM TASK 25-12-09-400-801-A/400	LH/RH COCKPIT LINING - INSTALLATION
AMM TASK 25-81-01-000-801-A/400	-
AMM TASK 25-81-01-000-802-A/400	-
AMM TASK 25-81-01-400-801-A/400	-
AMM TASK 25-81-01-400-802-A/400	-
WM 20-22-00	-

**C. Zones and Accesses**

<b>ZONE</b>	<b>PANEL/DOOR</b>	<b>LOCATION</b>
223	223CLW	Cockpit LH/RH side
223	223DLW	Cockpit LH/RH side
223	223AZ	Cockpit LH/RH side
223	223BZ	Cockpit LH/RH side
223	223HZ	Cockpit LH/RH side
223	223JLW	Cockpit LH/RH side
223	223KLW	Cockpit LH/RH side
223	223LZ	Cockpit LH/RH side
223	223MZ	Cockpit LH/RH side
223	223NZ	Cockpit LH/RH side
223	223OZ	Cockpit LH/RH side
223	223PZ	Cockpit LH/RH side
223	223QZ	Cockpit LH/RH side
223	223RZ	Cockpit LH/RH side
223	223TZ	Cockpit LH/RH side
223	223UZ	Cockpit LH/RH side
224	224CRW	Cockpit LH/RH side
224	224DRW	Cockpit LH/RH side
224	224HZ	Cockpit LH/RH side
224	224MZ	Cockpit LH/RH side
224	224NZ	Cockpit LH/RH side
224	224JRW	Cockpit LH/RH side
224	224KRW	Cockpit LH/RH side

**D. Tools and Equipment**

Not Applicable

**E. Auxiliary Items**

Not Applicable

**F. Consumable Materials**

Not Applicable

**G. Expandable Parts**

Not Applicable

**H. Persons Recommended**

<b>QTY</b>	<b>FUNCTION</b>	<b>PLACE</b>
1	Does the task	Forward fuselage II - cockpit LH/RH sides



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I. Preparation ([Figure 601](#)) ([Figure 602](#))

SUBTASK 841-002-A

- (1) Remove the pilot and copilot seats ([AMM TASK 25-11-01-000-801-A/400](#)).
- (2) Remove the pedal assembly lining 223HZ and 224HZ ([AMM TASK 25-12-06-000-801-A/400](#)).
- (3) Remove the glareshield coverage 223AZ and access panel 223BZ ([AMM TASK 25-12-07-000-801-A/400](#) and [AMM MPP 06-41-03/100](#)) ([Figure 601](#)).
- (4) **NOTE:** Remove the LH aft console 223LZ maintenance panel to make the 223ELW cockpit internal panel installation easier ([AMM TASK 25-12-05-000-801-A/400](#)).  
Remove the LH/RH complement console 223ELW and 224ERW ([AMM TASK 25-12-08-000-801-A/400](#)) ([Figure 601](#)).
- (5) Remove the LH/RH cockpit lining 223DLW, 223CLW, 224CRW and 224DRW ([AMM TASK 25-12-09-000-801-A/400](#)) ([Figure 601](#)).
- (6) Open access panels 223FLW, 223KLW, 223JLW, 224KRW, 224JRW and 224FRW ([AMM MPP 06-41-03/100](#)) ([Figure 601](#)).
- (7) Open access panels 223MZ, 223NZ, 223OZ, 223PZ, 223QZ, 223RZ, 223SZ, 223TZ, 223UZ, 224MZ, and 224NZ ([AMM MPP 06-41-03/100](#)) ([Figure 602](#)).
- (8) Remove thermoacoustic insulation pads, at zones 221/222/223/224 ([AMM TASK 25-81-01-000-801-A/400](#)) or ([AMM TASK 25-81-01-000-802-A/400](#)) as applicable.

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

SUBTASK 212-002-A

- (1) Internally examine zone for loose rivets, skin deformation, nicks, cracks, dents, sealant poor condition, scratches, gouges, creases, erosion, corrosion, painting condition, deteriorated protective treatment, and foreign objects.
- (2) Internally examine the fuselage at skin longitudinal and circumferential splices, stringers, and frames/bulkheads for loose rivets, cracks, scratches, gouges, skin deformation, erosion, corrosion, and deteriorated protective treatment ([Figure 603](#)).
- (3) Internally examine the fuselage at forward pressure bulkhead for loose rivets, nicks, cracks, skin deformation, erosion, corrosion, scratches, gouges, and deteriorated protective treatment ([Figure 603](#)).
- (4) Internally examine the zone for leakage on the skin, broken or disconnects strands, and signs of friction and overheating.
- (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](#)).
- (6) Examine the EWIS components for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.



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K. Follow-on

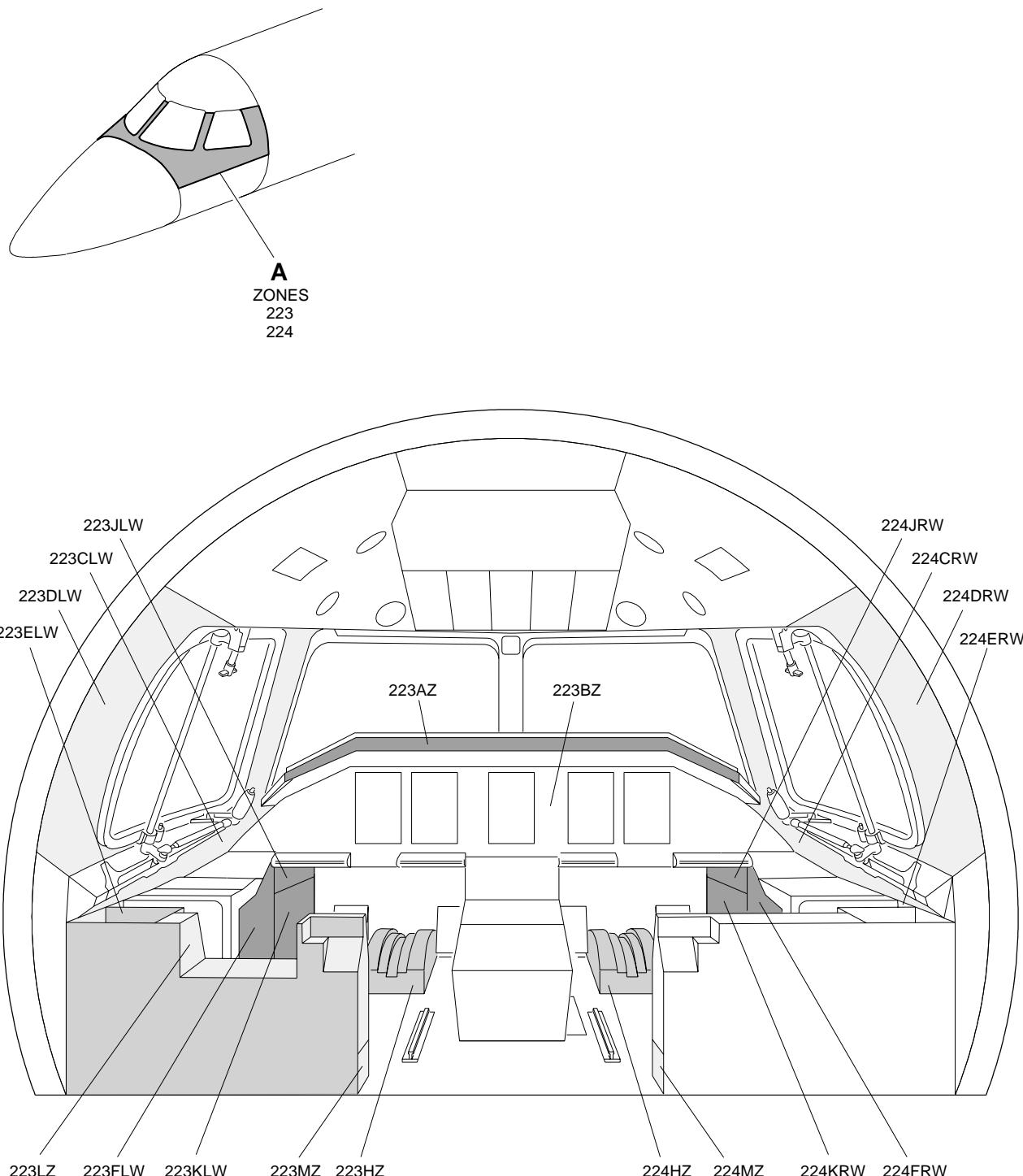
SUBTASK 842-002-A

- (1) Install thermoacoustic insulation pads, at zones 221/222/223/224 (AMM TASK 25-81-01-400-801-A/400) or (AMM TASK 25-81-01-400-802-A/400) as applicable.
- (2) Close access panels 223MZ, 223NZ, 223OZ, 223PZ, 223QZ, 223RZ, 223SZ, 223TZ, 223UZ, 224MZ, and 224NZ ([AMM MPP 06-41-03/100](#)) ([Figure 602](#)).
- (3) Close access panels 223FLW, 223KLW, 223JLW, 224KRW, 224JRW and 224FRW ([AMM MPP 06-41-03/100](#)).
- (4) Install the LH/RH cockpit lining 223DLW, 223CLW, 224CRW and 224DRW ([AMM TASK 25-12-09-400-801-A/400](#)).
- (5) Install the LH/RH complement console 223ELW and 224ERW (AMM TASK 25-12-08-400-801-A/400).
- (6) Install the glareshield coverage 223AZ and access panel 223BZ ([AMM TASK 25-12-07-400-801-A/400](#) and [AMM MPP 06-41-03/100](#)) ([Figure 601](#)).
- (7) Install the LH aft console 223LZ ([AMM TASK 25-12-05-400-801-A/400](#)).
- (8) Install the pedal assembly lining 223HZ and 224HZ ([AMM TASK 25-12-06-400-801-A/400](#)).
- (9) Install the pilot and copilot seats ([AMM TASK 25-11-01-400-801-A/400](#)).

**EFFECTIVITY: ALL**

Forward Fuselage II - Cockpit Internal Panels

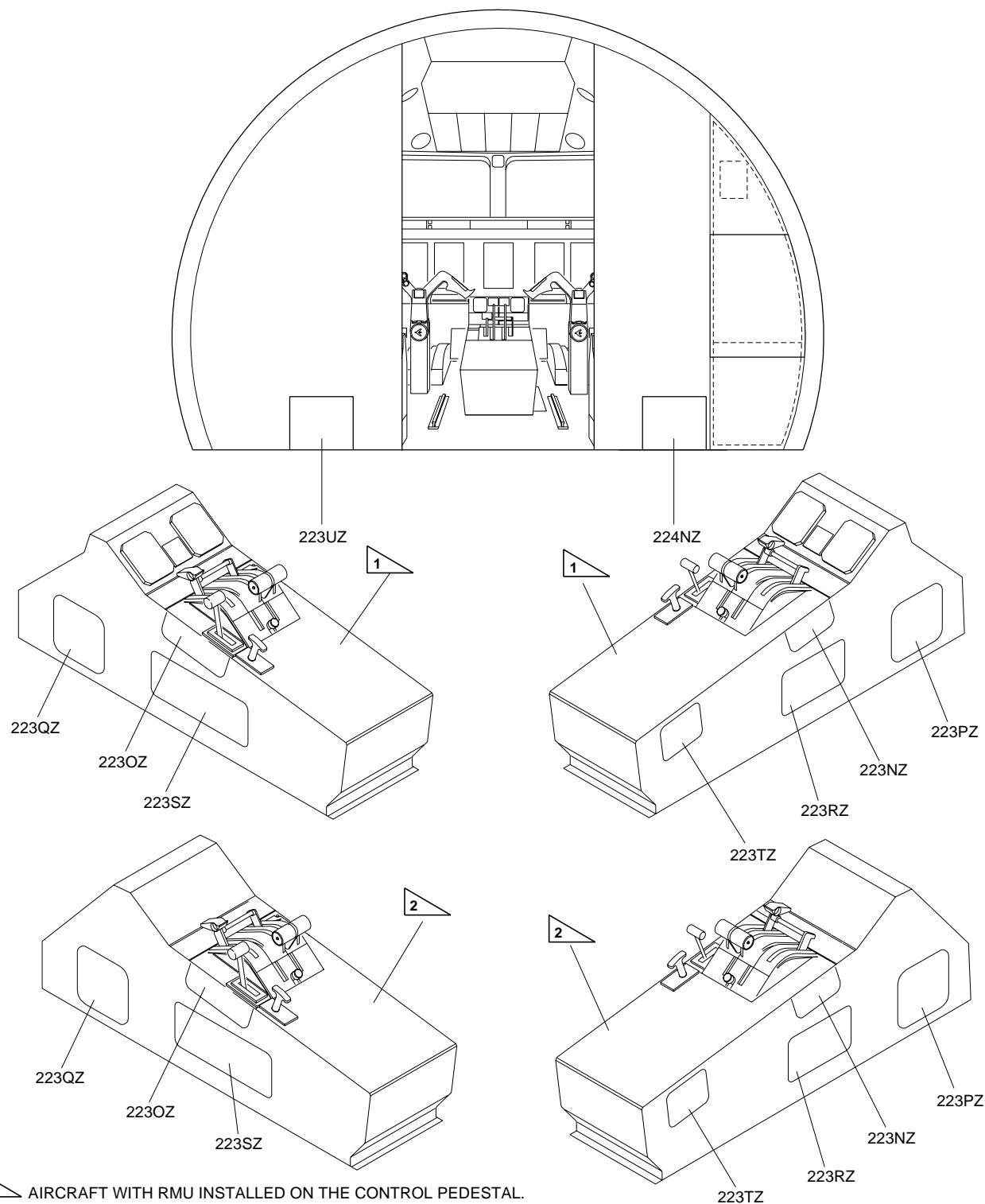
Figure 601



**EFFECTIVITY: ALL**

Cockpit and Control Pedestal Panels

Figure 602



**1** AIRCRAFT WITH RMU INSTALLED ON THE CONTROL PEDESTAL.

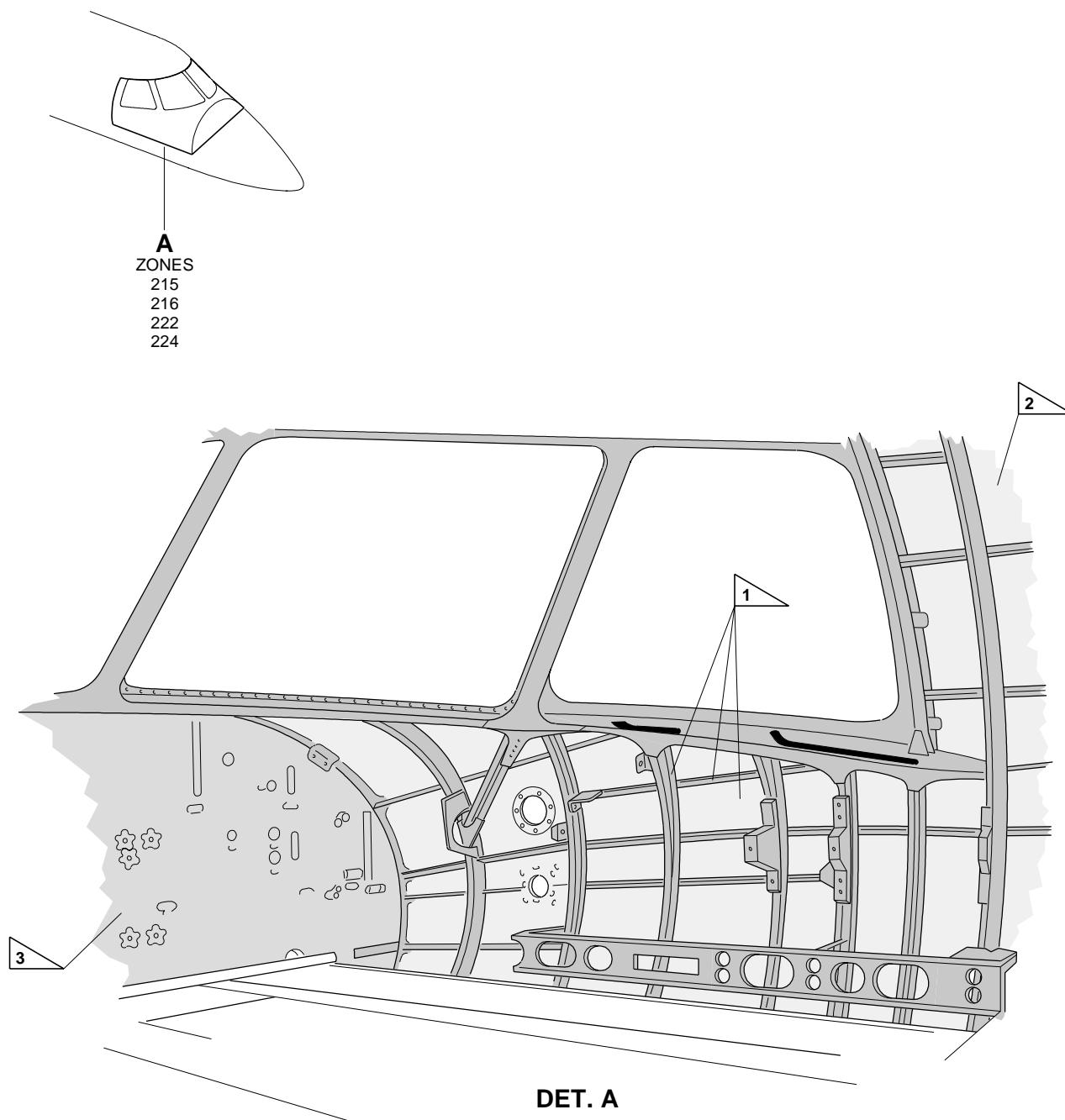
**2** AIRCRAFT WITH RMU INSTALLED ON THE MAIN INSTRUMENT PANEL.

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**EFFECTIVITY: ALL**

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

Figure 603



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

**2** INTERNALLY INSPECT SKIN LONGITUDINAL AND CIRCUMFERENTIAL SPLICES.

**3** INTERNALLY INSPECT FUSELAGE AT FORWARD PRESSURE BULKHEAD.

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