



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

FORWARD FUSELAGE II - COCKPIT TOP - INTERNAL - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of forward fuselage II - cockpit top for general condition.
- B. Related Zones: 225/226.
- 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
05-20-16-200-801-A ♦	FORWARD FUSELAGE II - COCKPIT TOP - INTERNAL GENERAL VISUAL INSPECTION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 05-20-16-200-801-A

EFFECTIVITY: ALL

2. FORWARD FUSELAGE II - COCKPIT TOP - INTERNAL GENERAL VISUAL INSPECTION

A. General

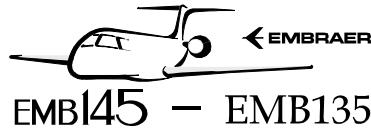
- (1) This task gives instructions to do SRMD Zonal Task 53-Z225-214-001-A00.
- (2) You must do the internal general visual inspection (GVI) of forward fuselage II, at zones 225/226, within a touching distance of the items examined.
- (3) The function of the internal general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-13-10-000-801-A/400	CONTROL PANELS - REMOVAL (TYPICAL)
AMM TASK 20-13-10-400-801-A/400	CONTROL PANELS - INSTALLATION (TYPICAL)
AMM TASK 25-12-01-000-801-A/400	COCKPIT LINING - REMOVAL
AMM TASK 25-12-01-400-801-A/400	COCKPIT LINING - INSTALLATION
AMM TASK 25-12-03-000-801-A/400	OVERHEAD-PANEL ASSEMBLY PROTECTOR - REMOVAL
AMM TASK 25-12-03-400-801-A/400	OVERHEAD-PANEL ASSEMBLY PROTECTOR - 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	-
AMM TASK 31-16-01-000-801-A/400	CIRCUIT BREAKER PANEL - REMOVAL
AMM TASK 31-16-01-400-801-A/400	CIRCUIT BREAKER PANEL - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
225	225ALC	Cockpit internal panel
225	225BLC	Cockpit internal panel
225	225CTC	Cockpit internal panel
225	225DTC	Cockpit internal panel
225	225ETC	Cockpit internal panel
226	226ARC	Cockpit internal panel
226	226BRC	Cockpit internal panel



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Standard	Flashlight	To make the inspection of the area easier	

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 top

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

SUBTASK 841-002-A

- (1) Remove cockpit ceiling-lining panels 225ALC, 225BLC, 225CTC, 226ARC and 226BRC ([AMM TASK 25-12-01-000-801-A/400](#)) ([Figure 601](#)).
- (2) Remove circuit breaker panel 225DTC ([AMM TASK 31-16-01-000-801-A/400](#)) ([Figure 601](#)).
- (3) Remove the control-panels from the overhead panel 225ETC ([AMM TASK 20-13-10-000-801-A/400](#)) ([Figure 601](#)).
- (4) Remove the screws (3) to remove the protector overhead panel (1) ([AMM TASK 25-12-03-000-801-A/400](#)) ([Figure 602](#)).
- (5) Remove the screws from the clamps (5) and lower protector overhead panel (1).
- (6) Remove thermoacoustic insulation pads, at zones 225/226 ([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) Examine the interior of the 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) Examine the interior of the fuselage skin panel at stringers, frames/bulkheads, and longitudinal and circumferential splices for loose rivets, cracks, skin deformation, painting, erosion, corrosion, and deteriorated protective treatment ([Figure 603](#)).
- (3) Examine the electrical harness at the interior of circuit breaker panel and overhead panel for attachments, and signs of friction, overheating and chafing ([Figure 603](#)).



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

K. Follow-on

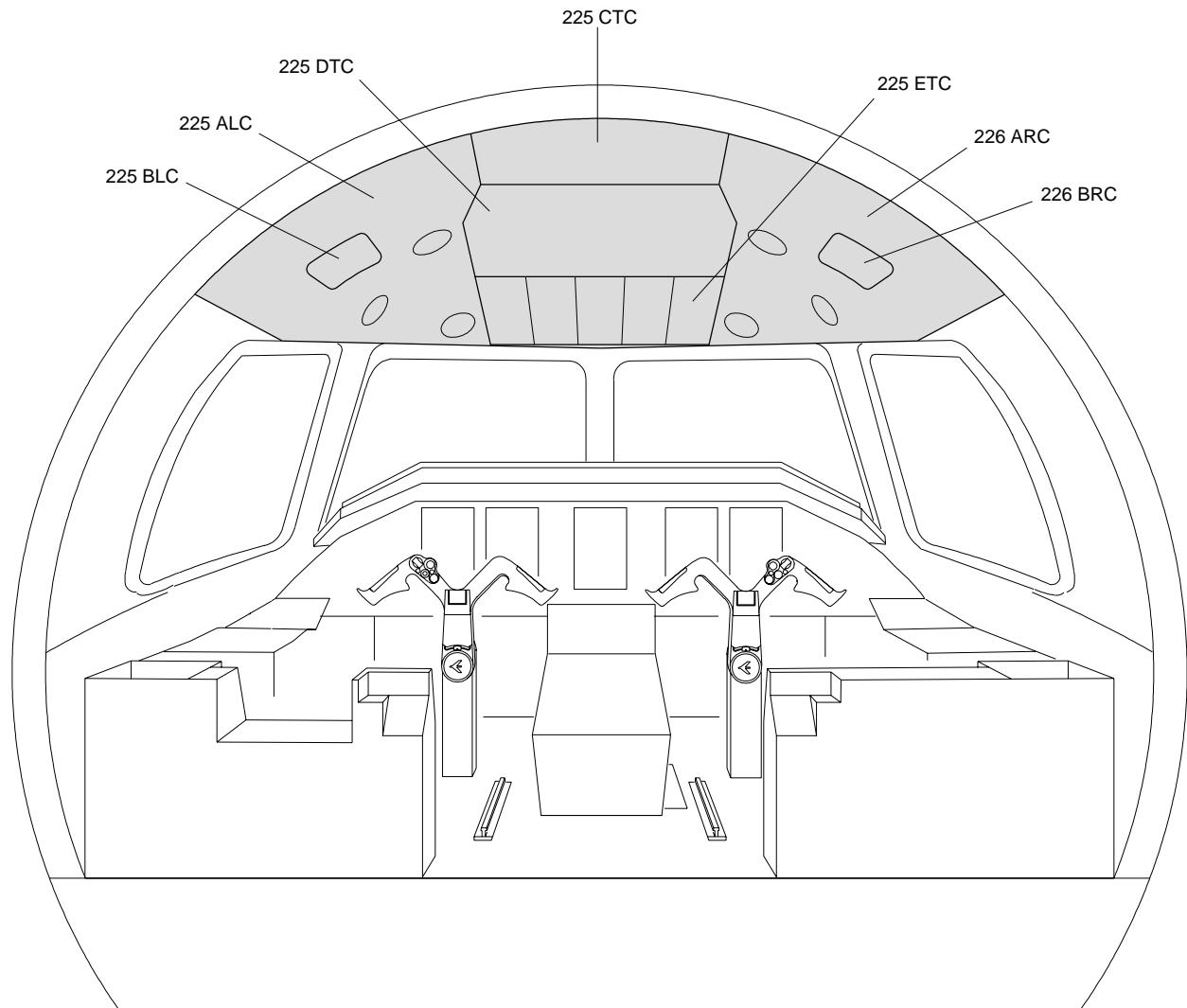
SUBTASK 842-002-A

- (1) Install thermoacoustic insulation pads, at zones 225/226 (AMM TASK 25-81-01-400-801-A/400) or (AMM TASK 25-81-01-400-802-A/400) as applicable.
- (2) Install the screws (3) and (5) and the clamps (5) ([AMM TASK 25-12-03-400-801-A/400](#)) ([Figure 602](#)).
- (3) Install circuit breaker panel 225DTC ([AMM TASK 31-16-01-400-801-A/400](#)).
- (4) Install the control-panels in the overhead panel 225ETC ([AMM TASK 20-13-10-400-801-A/400](#)).
- (5) Install cockpit ceiling-lining panels 225ALC, 225BLC, 225CTC, 226ARC and 226BRC ([AMM TASK 25-12-01-400-801-A/400](#)).

EFFECTIVITY: ALL

Forward Fuselage II - Cockpit Ceiling-Lining Panels

Figure 601

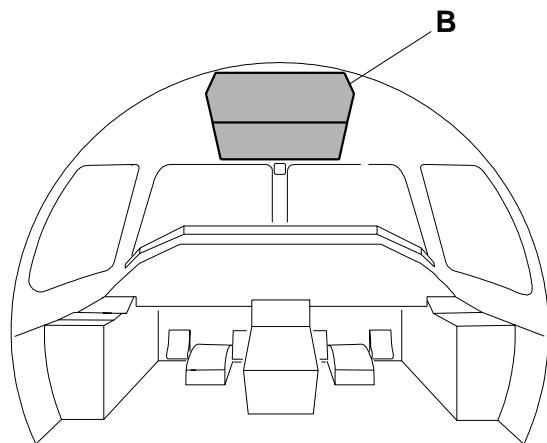
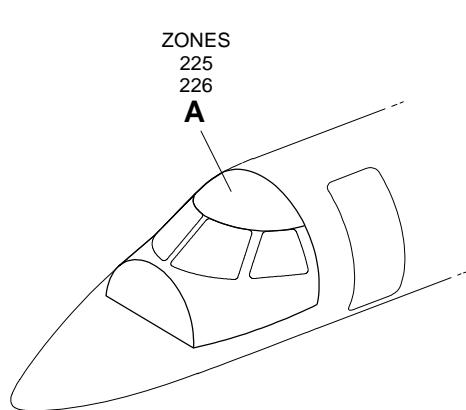


145AMM050260.MCE

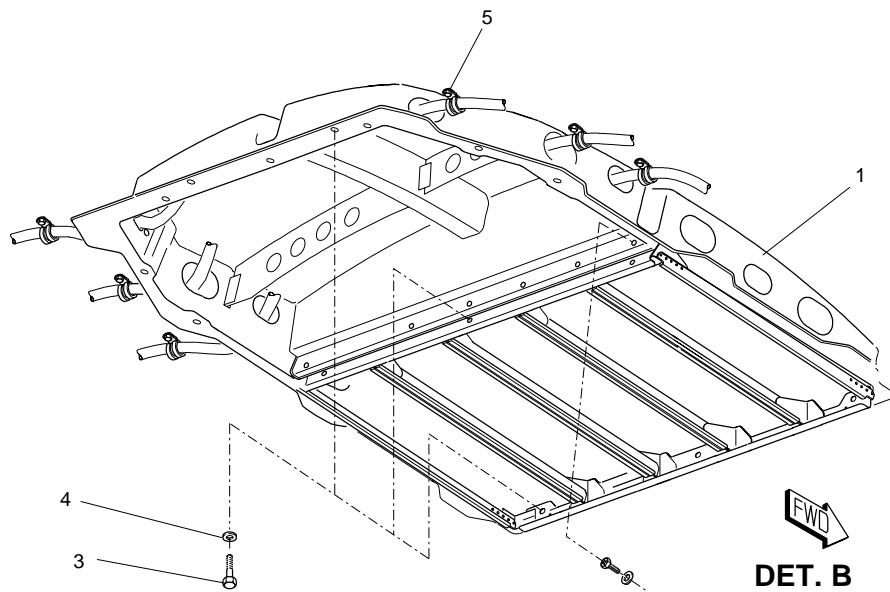
EFFECTIVITY: ALL

Forward Fuselage II - Protector Overhead Panel

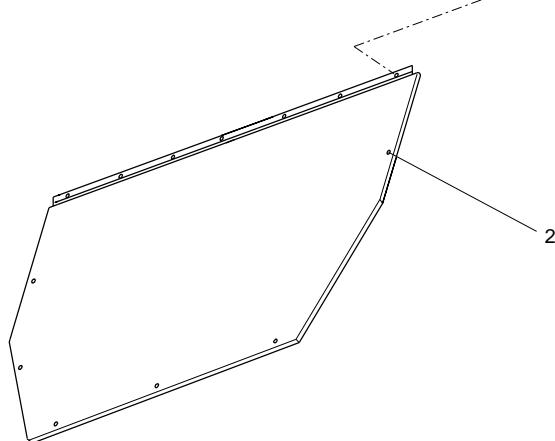
Figure 602



DET. A



DET. B

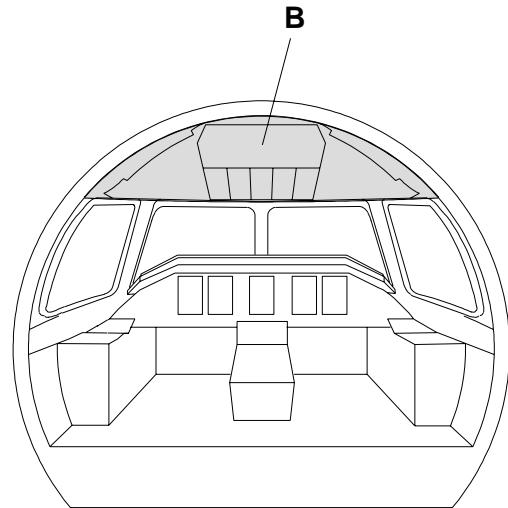
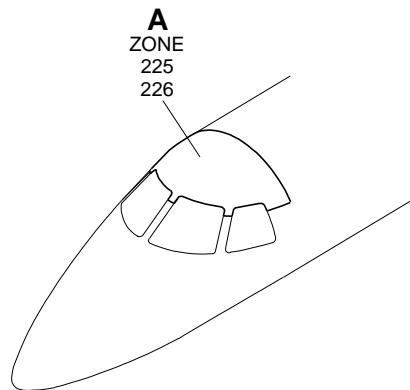


EM145AMM050697A.DGN

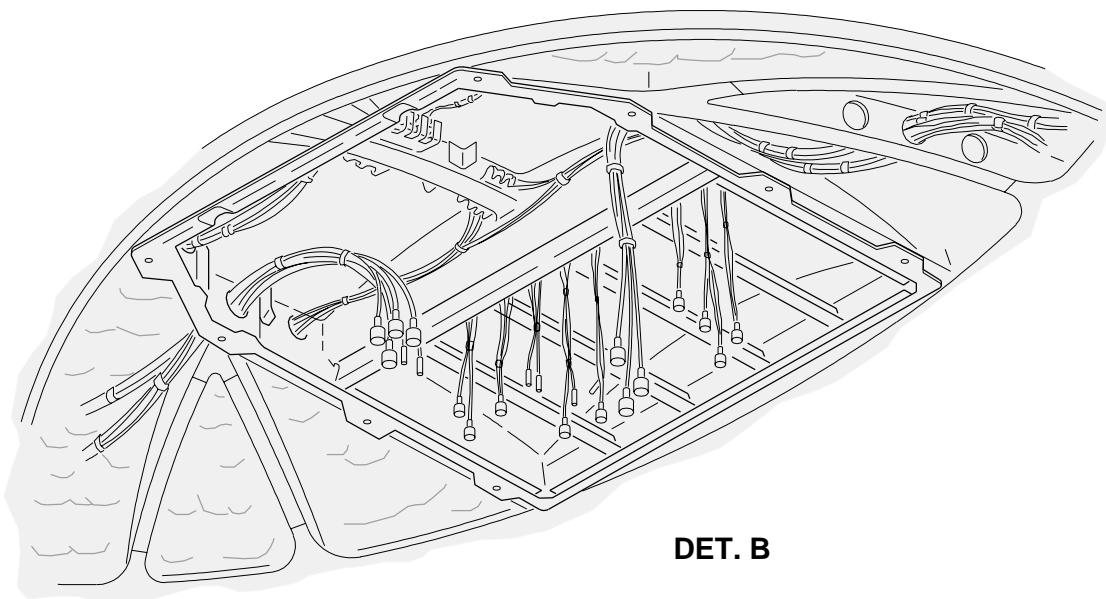
EFFECTIVITY: ALL

Forward Fuselage II - Cockpit Top - Internal General Visual Inspection

Figure 603



DET. A



DET. B

145AMM050142.MCE A

