



AIRCRAFT  
MAINTENANCE MANUAL

**EWIS COMPONENTS IN THE CENTER FUSELAGE III LOWER SIDE - INSPECTION/CHECK**

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of the EWIS components in the center fuselage III, lower side, for general condition.
- B. For EMB-145ER, EU, EP, and EMB-135ER models:
  - (1) Zones: 151/152/153/154/155/156.
- C. For EMB-145LR, LU, MR, MP, MK, XR, and EMB-135LR, KE, KL models:
  - (1) Zones: 151/152/153/154/155/156/157.
- D. Zone Boundaries ([AMM MPP 06-41-00/100 AMM MPP 06-41-00/100](#)).
- E. 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
05-40-01-200-801-A ♦	EWIS COMPONENTS IN THE CENTER FUSELAGE III (LOWER SIDE) - INTERNAL GENERAL VISUAL INSPECTION	ALL

**TASK 05-40-01-200-801-A**

**EFFECTIVITY: ALL**

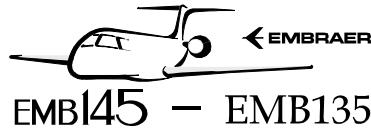
**2. EWIS COMPONENTS IN THE CENTER FUSELAGE III (LOWER SIDE) - INTERNAL GENERAL VISUAL INSPECTION**

**A. General**

- (1) This procedure obeys the EWIS ICA requirement.
- (2) For EMB-145ER, EU, EP, and EMB-135ER models:
  - (a) This task gives the instructions to do SMRD Task Number: 20-00-00-212-001-A00.
  - (b) You must do the internal general visual inspection (GVI) of center fuselage III, at zones 151/152/153/154/155/156, within a touching distance from the APU and engine generators power cables, hydraulic pumps power cables, and wiring bundles.
- (3) For EMB-145LR, LU, MR, MP, MK, XR, and EMB-135LR, KE, KL models:
  - (a) This task gives the instructions to do SMRD Task Number: 20-00-00-212-002-A00.
  - (b) You must do the internal general visual inspection (GVI) of center fuselage III, at zones 151/152/153/154/155/156/157, within a touching distance from the APU and engine generators power cables, hydraulic pumps power cables, and wiring bundles.
- (4) The function of the internal general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.
- (5) Do not unlac or displace the electrical wiring and components, during the inspections.
- (6) Refer to the preparation subtask for access panel information.

**B. References**

<b>REFERENCE</b>	<b>DESIGNATION</b>
AMM MPP 06-41-02/100	-
AMM TASK 25-81-01-000-801-A/400	-
AMM TASK 25-81-01-000-802-A/400	-
AMM TASK 25-81-01-000-803-A/400	-
AMM TASK 25-81-01-400-801-A/400	-
AMM TASK 25-81-01-400-802-A/400	-
AMM TASK 25-81-01-400-803-A/400	-
AMM TASK 28-41-00-200-801-A/600	-
AMM TASK 53-01-02-000-801-A/400	-
AMM TASK 53-01-02-000-802-A/400	-
AMM TASK 53-01-02-400-801-A/400	-
AMM TASK 53-01-02-400-802-A/400	-
WM 20-22-00	-



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C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
251	-	Passenger cabin - LH
252	-	Passenger cabin - RH

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	Center fuselage III - lower side

I. Preparation

**SUBTASK 841-002-A**

**EFFECTIVITY:** For EMB-145ER/EU/EP and EMB-135ER models

- (1) Identify the passenger-cabin floor panels of center fuselage III, at sub-zone 250 (AMM MPP 06-41-02/100), that give access to zones 151/152/153/154/155/156.
- (2) Remove the passenger-cabin floor panels from center fuselage III at sub-zone 250 to access zones 151/152/153/154/155/156. Refer to AMM TASK 53-01-02-000-801-A/400 (applicable to EMB-140 and EMB-145 models) or AMM TASK 53-01-02-000-802-A/400 (applicable to EMB-135 model).
- (3) Remove, if necessary, the thermoacoustic insulation from center fuselage III, at zones 151/152/153/154/155/156 (AMM TASK 25-81-01-000-801-A/400, AMM TASK 25-81-01-000-802-A/400 or AMM TASK 25-81-01-000-803-A/400, as applicable).

**SUBTASK 841-003-A**

**EFFECTIVITY:** For EMB-145LR/LU/MR/MP/MK/XR and EMB-135LR/KE/KL models

- (4) Identify the passenger-cabin floor panels of center fuselage III, at sub-zone 250 (AMM MPP 06-41-02/100), that give access to zones 151/152/153/154/155/156/157.
- (5) Remove the passenger-cabin floor panels from center fuselage III, at sub-zone 250 to access zones 151/152/153/154/155/156/157. Refer to AMM TASK 53-01-02-000-801-A/400 (applicable to EMB-140 and EMB-145 models) or AMM TASK 53-01-02-000-802-A/400 (applicable to EMB-135 model).

- (6) Remove, if necessary, the thermoacoustic insulation from center fuselage III, at zones 151/152/153/154 (AMM TASK 25-81-01-000-801-A/400, AMM TASK 25-81-01-000-802-A/400 or AMM TASK 25-81-01-000-803-A/400, as applicable).

**J. EWIS Components in the Center Fuselage III (Lower Side) - Internal General Visual Inspection (Figure 601) (Figure 602)**

**SUBTASK 212-002-A**

- (1) Do a general visual inspection on the APU and engine generators power cables, hydraulic pumps power cables, wiring bundles, and connected EWIS at Center Fuselage III, lower side, for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.

**K. Follow-on**

**SUBTASK 842-002-A**

**EFFECTIVITY:** For EMB-145ER/EU/EP and EMB-135ER models

- (1) If the thermoacoustic insulation was previously removed, install it at zones 151/152/153/154 (AMM TASK 25-81-01-400-801-A/400, AMM TASK 25-81-01-400-802-A/400 or AMM TASK 25-81-01-400-803-A/400), as applicable.
- (2) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

**NOTE:** The inspection of the fuel quantity indication harness is part of the Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.

- (3) Install the passenger-cabin floor panels to center fuselage III, at sub-zone 250 related to zones 151/152/153/154/155/156. Refer to AMM TASK 53-01-02-400-801-A/400 (applicable to EMB-140 and EMB-145 models) or AMM TASK 53-01-02-400-802-A/400 (applicable to EMB-135 model).

**SUBTASK 842-003-A**

**EFFECTIVITY:** For EMB-145LR/LU/MR/MP/MK/XR and EMB-135LR/KE/KL models

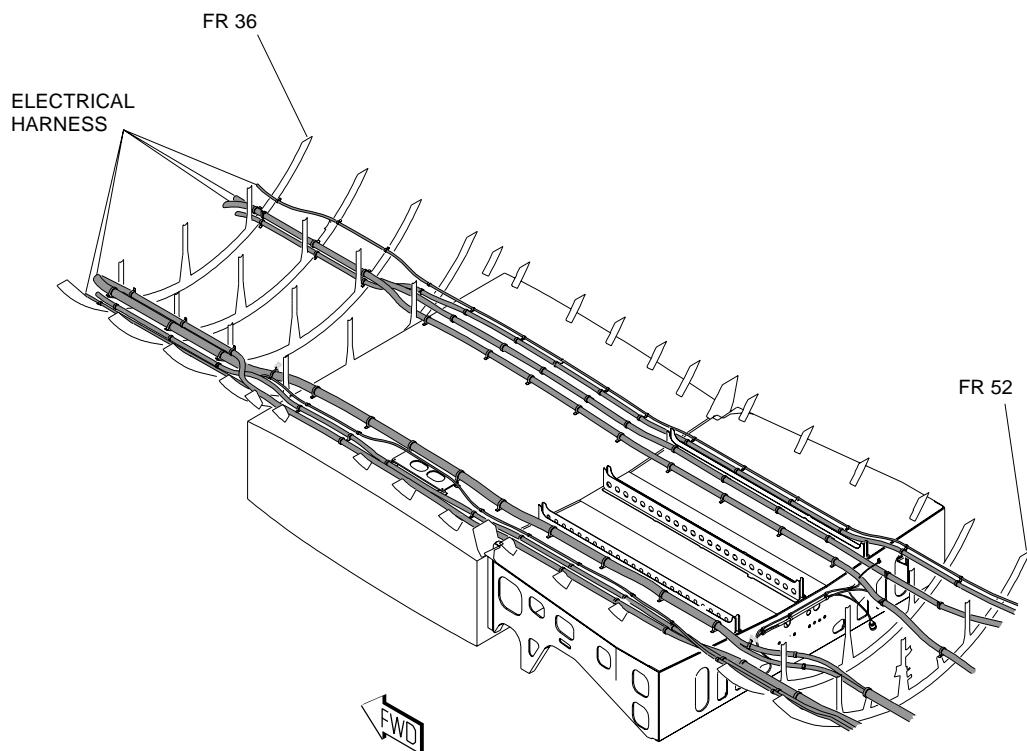
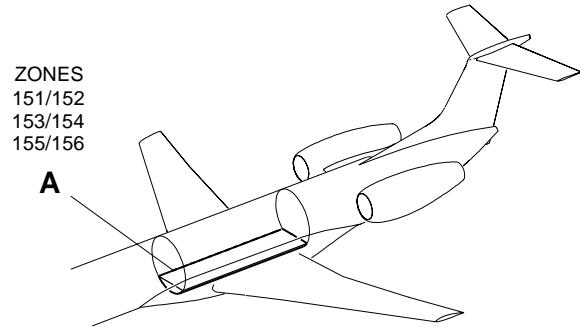
- (4) If the thermoacoustic insulation was previously removed, install it at zones 151/152/153/154 (AMM TASK 25-81-01-400-801-A/400, AMM TASK 25-81-01-400-802-A/400 or AMM TASK 25-81-01-400-803-A/400), as applicable.
- (5) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

**NOTE:** The inspection of the fuel quantity indication harness is part of the Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.

- (6) Install the passenger-cabin floor panels to center fuselage III, at sub-zone 250 related to zones 151/152/153/154/155/156/157. Refer to AMM TASK 53-01-02-400-801-A/400 (applicable to EMB-140 and EMB-145 models) or AMM TASK 53-01-02-400-802-A/400 (applicable to EMB-135 model).

**EFFECTIVITY:** For EMB-145ER/EU/EP and EMB-135ER models

EWIS Components in the Center Fuselage III (Lower Side) - Internal General Visual Inspection  
Figure 601



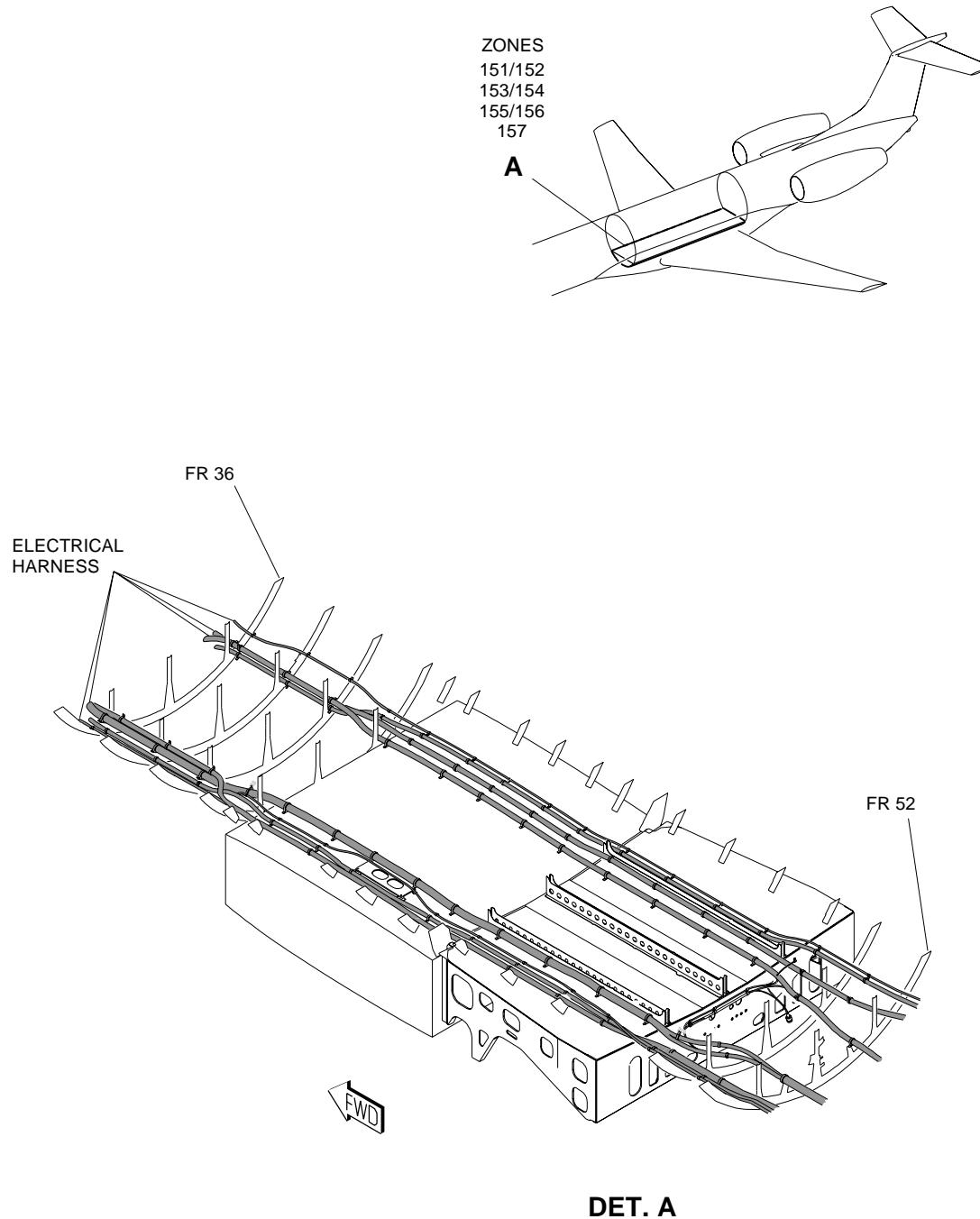
**DET. A**

EM145AMM050724A.DGN

**EFFECTIVITY:** For EMB-145LR/LU/MR/MP/MK/XR and EMB-135LR/KE/KL models

EWIS Components in the Center Fuselage III (Lower Side) - Internal General Visual Inspection

Figure 602



EM145AMM050735A.DGN