



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**LEADING EDGE HARNESS ASSEMBLY - INSPECTION/CHECK**

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do a visual inspection on the leading-edge harness assembly.
- B. You can get access to the LH leading-edge harness, removing wing leading-edge I in Zone 511, wing leading-edge II in Zone 512, and wing leading-edge III in Zone 513.
- C. You can get access to the RH leading-edge harness, removing wing leading-edge I in Zone 611, wing leading-edge II in Zone 612, and wing leading-edge III in Zone 613.
- 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
24-00-02-200-801-A ♦	LEADING-EDGE HARNESS ASSEMBLY - ALL INSPECTION	ALL



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TASK 24-00-02-200-801-A

EFFECTIVITY: ALL

2. LEADING-EDGE HARNESS ASSEMBLY - INSPECTION

A. General

- (1) This procedure obeys the Fuel Tanks Safety and EWIS ICA requirements.
- (2) This task gives the procedure to do the General Visual Inspection (GVI) on the leading-edge harness assembly for damage, failure, or other incorrect conditions.
- (3) This task is applicable to the leading-edge harness assemblies in the LH and RH wings.

B. References

REFERENCE	DESIGNATION
AMM TASK 57-41-00-000-801-A/400	LEADING EDGE I - REMOVAL
AMM TASK 57-41-00-400-801-A/400	LEADING EDGE I - INSTALLATION
AMM TASK 57-42-00-000-801-A/400	LEADING EDGE II - REMOVAL
AMM TASK 57-42-00-400-801-A/400	LEADING EDGE II - INSTALLATION
AMM TASK 57-43-00-000-801-A/400	LEADING EDGE III - REMOVAL
AMM TASK 57-43-00-400-801-A/400	LEADING EDGE III - INSTALLATION
WM 20-21-00/1	-
WM 20-22-00	-
WM 20-50-00/1	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
511		LH Wing
512		LH Wing
513		LH Wing
611		RH Wing
612		RH Wing
613		RH Wing

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

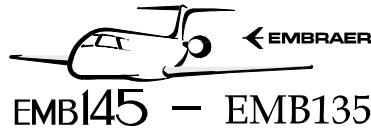
Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable



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H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Leading edge

I. Preparation

SUBTASK 841-002-A

- (1) Make sure that the aircraft is safe for maintenance.

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.**

- (2) Remove wing leading-edge I ([AMM TASK 57-41-00-000-801-A/400](#)), wing leading-edge II ([AMM TASK 57-42-00-000-801-A/400](#)), and wing leading-edge III ([AMM TASK 57-43-00-000-801-A/400](#)) to get access to the wing leading-edge harness.

J. Leading-Edge Harness Assembly - Inspection

SUBTASK 212-002-A

- (1) Get access to the leading-edge harness.
- (2) Do a general visual inspection on the LH and RH wing leading-edge harness assemblies ([Figure 601](#)):
  - (a) Do a check on the wire insulation and harness protection for chafing, protection, insulation or wire damage, and repair or replace as necessary. Refer to Wiring Repairs - Maintenance Practices (WM 20-21-00/1).
  - (b) Make sure that all attachment harness (clamps, attach cable devices, or tie down straps) are installed and do a check on them for damage, correct installation, and integrity, and repair or replace parts as necessary. Refer to Wiring Repairs - Maintenance Practices (WM 20-21-00/1).
  - (c) Do a check on all electrical connectors and backshells, and shield termination at tag rings to make sure that they are correctly attached and show no signs of damage, corrosion, deformation or fluid contamination, and repair or replace parts as necessary. Refer to Electrical Connectors - Maintenance Practices (WM 20-50-00/1).
- (3) Examine the EWIS components for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.

K. Follow-on

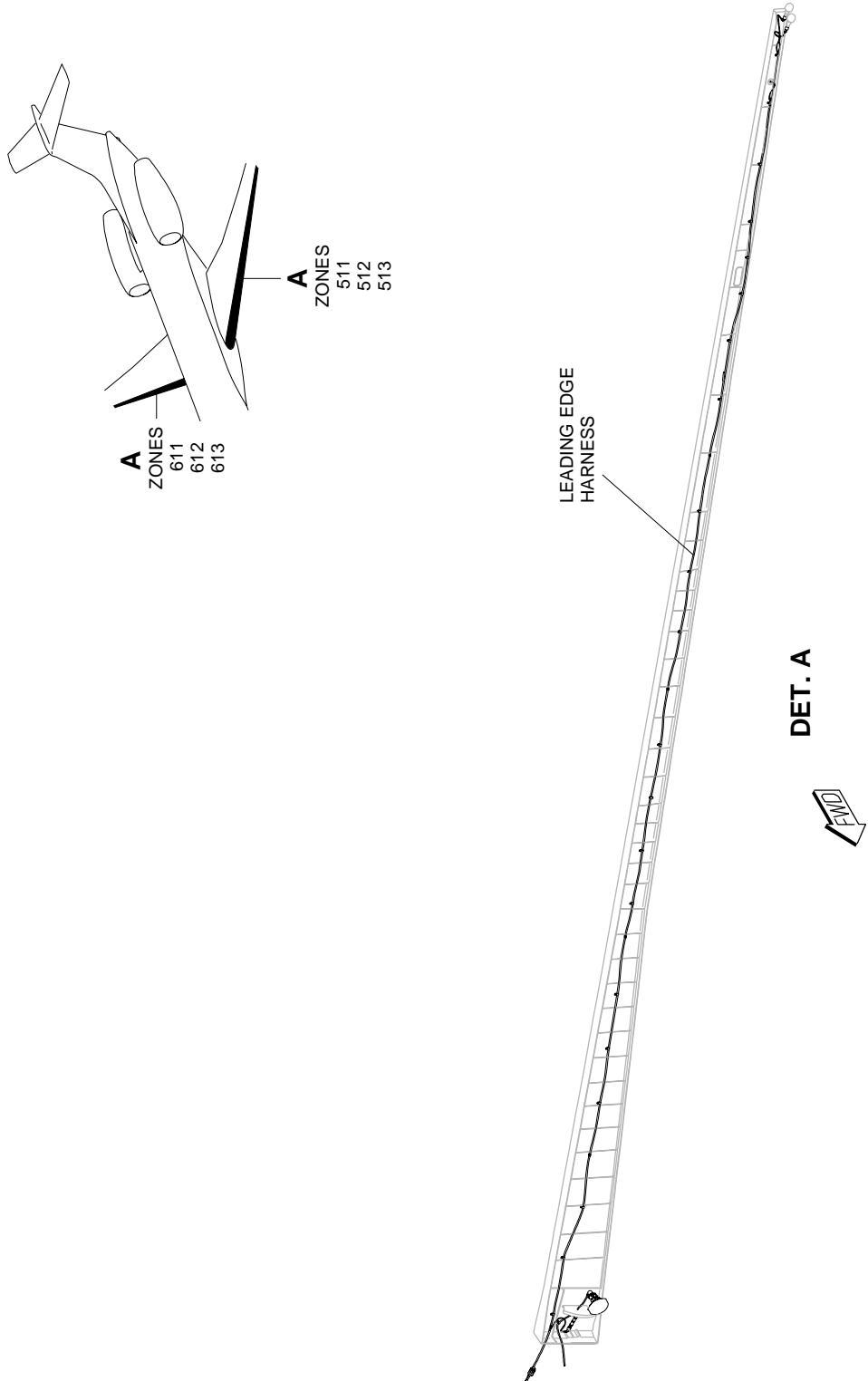
SUBTASK 842-002-A

- (1) Install wing leading-edge I, ([AMM TASK 57-41-00-400-801-A/400](#)), wing leading-edge II, ([AMM TASK 57-42-00-400-801-A/400](#)), and wing leading-edge III ([AMM TASK 57-43-00-400-801-A/400](#)).
- (2) Put the aircraft back to its initial condition.

**EFFECTIVITY: ALL**

Leading-edge Harness Assembly

Figure 601



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