



AIRCRAFT
MAINTENANCE MANUAL

TRAILING EDGE HARNESS ASSEMBLY - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do a visual inspection on the trailing-edge harness assembly.
- B. Related Zones: 532/632.
- C. You can get access to the LH trailing-edge harness, removing inboard-flap lower shroud in Zone 5711, outboard-flap lower shroud in Zone 5721, aileron lower shroud in Zone 5731, and aileron upper shroud in Zone 5732.
- D. You can get access to the RH trailing-edge harness, removing inboard-flap lower shroud in Zone 6711, outboard-flap lower shroud in Zone 6721, aileron lower shroud in Zone 6731, and aileron upper shroud in Zone 6732.
- 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
24-00-03-200-801-A ♦	TRAILING-EDGE HARNESS ASSEMBLY - ALL INSPECTION	ALL



EMB145 - EMB135

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TASK 24-00-03-200-801-A

EFFECTIVITY: ALL

2. TRAILING-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 trailing-edge harness assembly for damage, failure, or other incorrect conditions.
- (3) This task is applicable to the trailing-edge harness assemblies in the LH and RH wings.

B. References

REFERENCE	DESIGNATION
AMM TASK 57-56-01-000-801-A/400	INBOARD AND OUTBOARD FLAP LOWER SHROUDS - REMOVAL
AMM TASK 57-56-01-400-801-A/400	INBOARD AND OUTBOARD FLAP LOWER SHROUDS - INSTALLATION
AMM TASK 57-56-03-000-801-A/400	AILERON UPPER SHROUD - REMOVAL
AMM TASK 57-56-03-400-801-A/400	AILERON UPPER SHROUD - INSTALLATION
AMM TASK 57-56-04-000-801-A/400	AILERON LOWER SHROUD - REMOVAL
AMM TASK 57-56-04-400-801-A/400	AILERON LOWER SHROUD - INSTALLATION
WM 20-21-00/1	-
WM 20-22-00	-
WM 20-50-00/1	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
532		Left Wing
632		Right Wing
5711		Inboard-Flap Lower Shroud
5721		Outboard-Flap Lower Shroud
5731		Aileron Lower Shroud
5732		Aileron Upper Shroud
6711		Inboard-Flap Lower Shroud
6721		Outboard-Flap Lower Shroud
6731		Aileron Lower Shroud
6732		Aileron Upper Shroud

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Trailing 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 the inboard-flap lower shroud ([AMM TASK 57-56-01-000-801-A/400](#)), outboard-flap lower shroud ([AMM TASK 57-56-01-000-801-A/400](#)), aileron lower shroud ([AMM TASK 57-56-04-000-801-A/400](#)), and aileron upper shroud ([AMM TASK 57-56-03-000-801-A/400](#)) to get access to the wing trailing-edge harness.

J. Trailing-Edge Harness Assembly - Inspection
SUBTASK 212-002-A

- (1) Get access to the trailing-edge harness.
- (2) Do a general visual inspection on the LH and RH wing trailing-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 taggings 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 of the Trailing-Edge Harnesses for signs of damage, adequate installation, chafing and general condition. Refer to [WM 20-22-00](#).



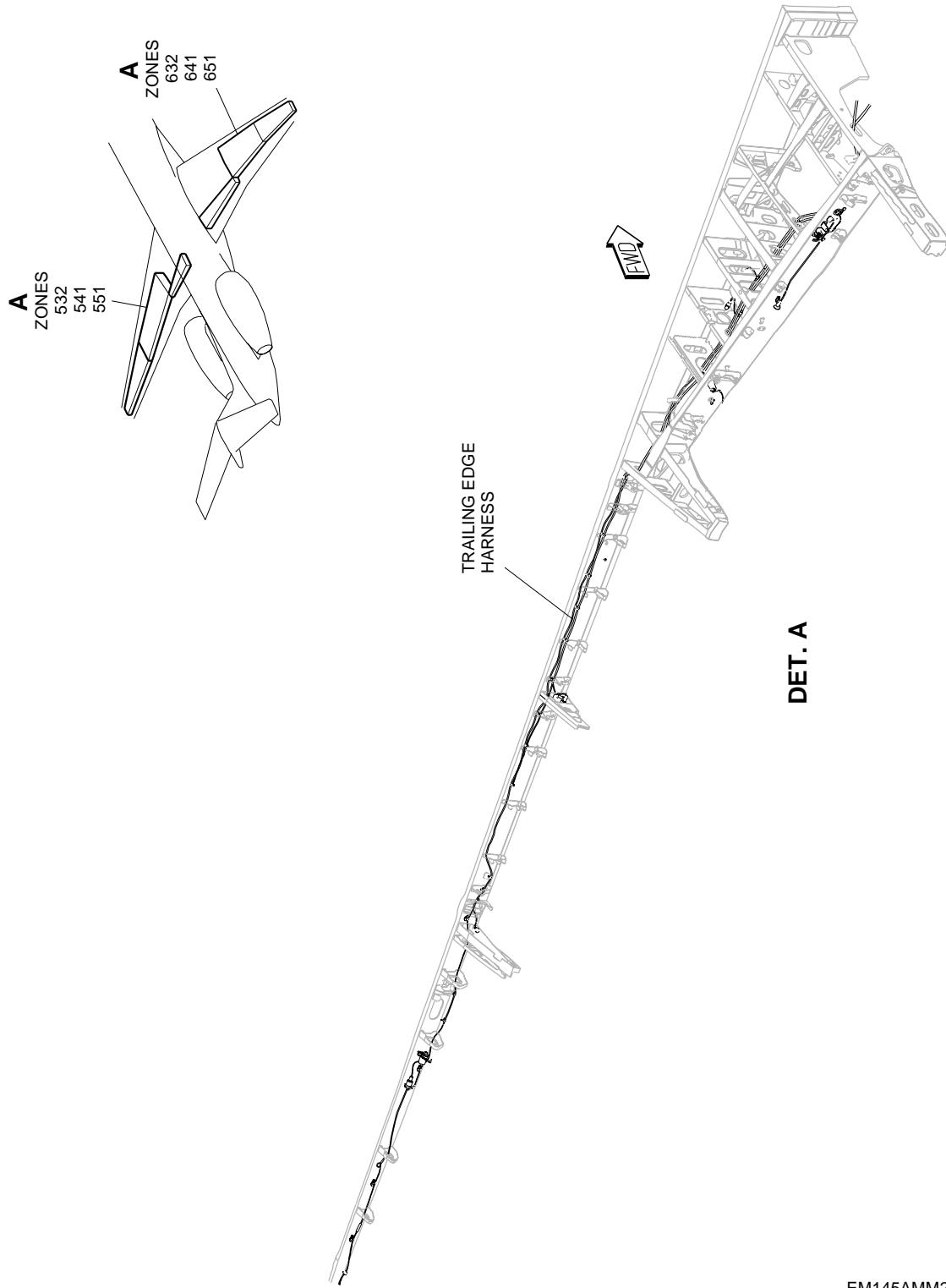
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K. Follow-on

SUBTASK 842-002-A

- (1) Install the inboard-flap lower shroud ([AMM TASK 57-56-01-400-801-A/400](#)), outboard-flap lower shroud ([AMM TASK 57-56-01-400-801-A/400](#)), aileron lower shroud ([AMM TASK 57-56-04-400-801-A/400](#)), and aileron upper shroud ([AMM TASK 57-56-03-400-801-A/400](#)).
- (2) Put the aircraft back to its initial condition.

EFFECTIVITY: ALL
Trailing-edge Harness Assembly
Figure 601



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