



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**WING STUB HARNESS ASSEMBLY - INSPECTION/CHECK**

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to do a visual inspection on the wing-stub harness assembly.
- B. You can get access to the wing-stub harness, removing the center wing-to-fuselage fairing in Zone 192.
- C. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

<i>TASK NUMBER</i>	<i>DESCRIPTION</i>	<i>EFFECTIVITY</i>
24-00-04-200-801-A ♦	WING-STUB HARNESS ASSEMBLY - IN-SPECTION	ALL



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TASK 24-00-04-200-801-A

EFFECTIVITY: ALL

2. WING-STUB 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 wing stub harness assembly for damage, failure, or other incorrect conditions.

B. References

REFERENCE	DESIGNATION
06-41-01/101	-
AMM TASK 53-04-10-000-801-A/400	CENTER WING-TO-FUSELAGE FAIRING - REMOVAL
AMM TASK 53-04-10-400-801-A/400	CENTER WING-TO-FUSELAGE FAIRING - INSTALLATION
WM 20-21-00/1	-
WM 20-22-00	-
WM 20-50-00/1	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
192		Center Wing-to-Fuselage Fairing
155		Wing Stub
156		Wing Stub

D. Tools and Equipment

Not Applicable

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	Wing Stub



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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 center wing-to-fuselage fairing in Zone 192 ( [AMM TASK 53-04-10-000-801-A/400](#)) to get access to the wing stub harness.

J. Wing-Stub Harness Assembly - Inspection

SUBTASK 212-002-A

- (1) Get access to the wing stub harness.
- (2) (Aircraft with wet-wing stub) Do a general visual inspection on the harness assembly (06-41-01/101) ([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 tagrings 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) (Aircraft with dry-wing stub) Do a general visual inspection on the harness assembly, through access doors in the lower surface of the wing stub (06-41-01/101) ([Figure 602](#)):
  - (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).
- (4) Examine the remaining EWIS components of the wing stub harnesses for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.



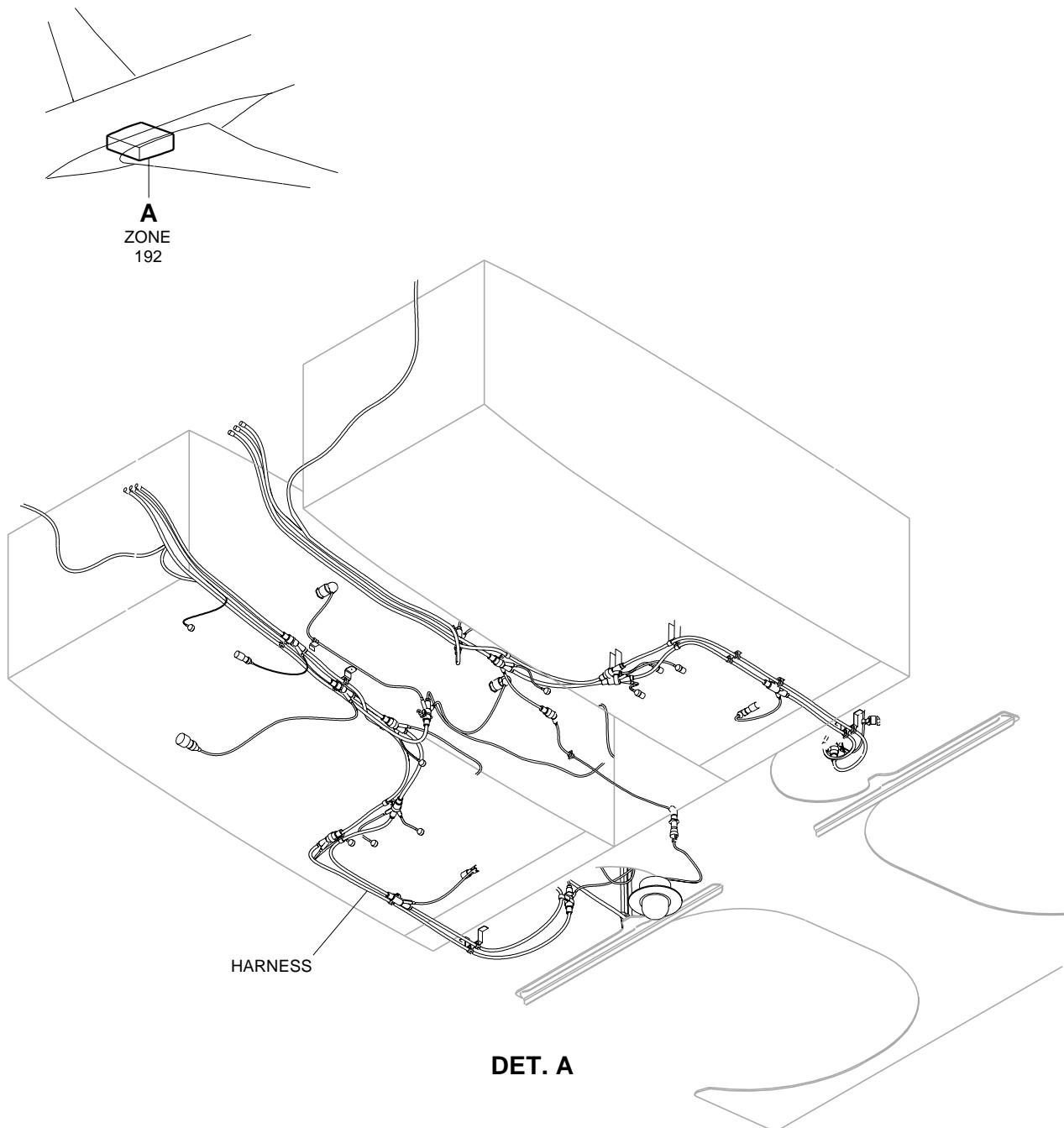
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### K. Follow-on

#### SUBTASK 842-002-A

- (1) Install the center wing-to-fuselage fairing in Zone 192 ( [AMM TASK 53-04-10-400-801-A/400](#)).
- (2) Put the aircraft back to its initial condition.

**EFFECTIVITY: AIRCRAFT WITH WET-WING STUB**  
**Wet-wing Stub Harness**  
**Figure 601**

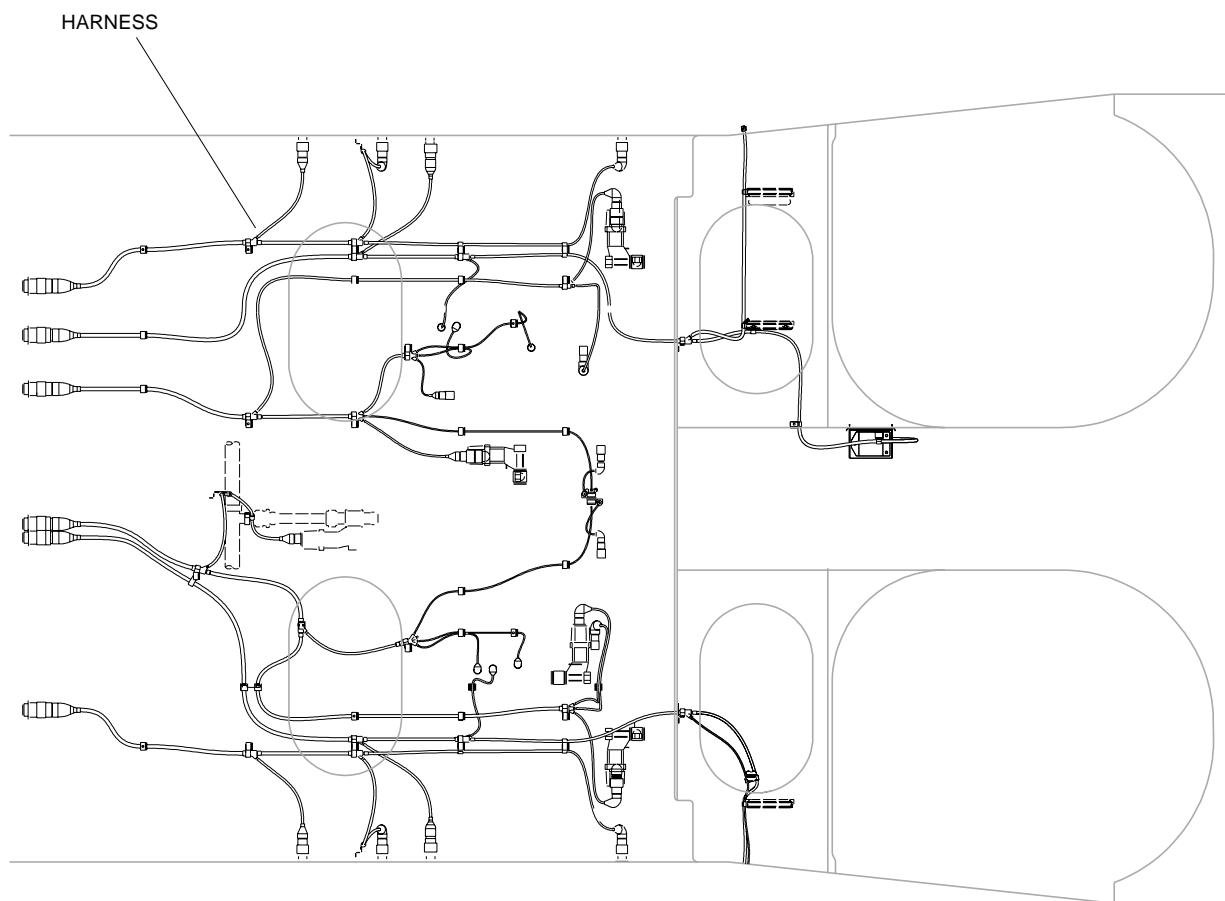
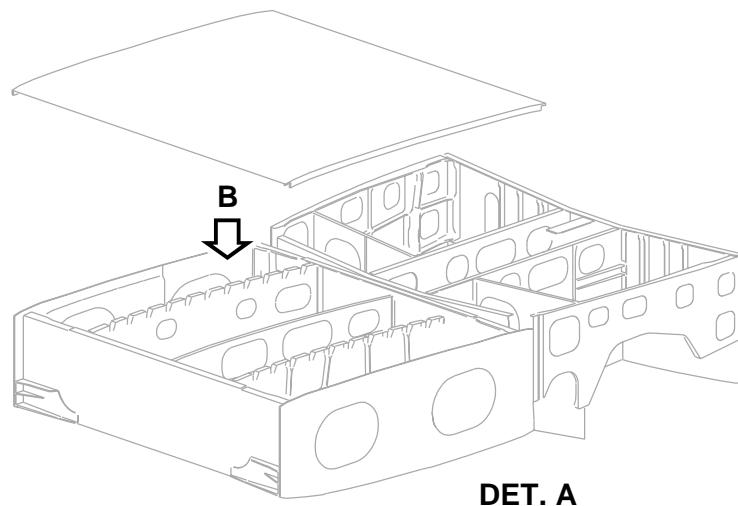
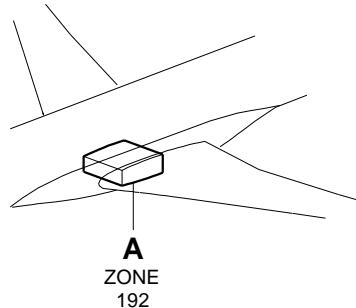


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**EFFECTIVITY: AIRCRAFT WITH DRY-WING STUB**

Dry-wing Stub Harness

Figure 602


**VIEW B**

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