



AIRCRAFT MAINTENANCE MANUAL

PILOT VALVE - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the inspection of the pilot valve.
- B. 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
28-23-03-200-801-A ♦	PILOT VALVE HARNESS - INSPECTION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 28-23-03-200-801-A

EFFECTIVITY: ALL

2. PILOT VALVE HARNESS - INSPECTION

A. General

- (1) This procedure obeys the Fuel Tanks Safety and EWIS ICA requirements.
- (2) This task is applicable to the LH and RH pilot valves.
- (3) Avoid unlacing or displacing the electrical wiring and components, during the detailed visual inspections.
- (4) Avoid disconnecting the electrical connectors, during the detailed visual inspections.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-44-00/100	- COMPONENT LOCATION
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM MPP 28-11-01/400	- REMOVAL/INSTALLATION
AMM MPP 28-23-03/400	- REMOVAL/INSTALLATION
AMM TASK 12-11-01-600-801-A/300	FUEL-TANK PRESSURE REFUELING - SERVICING
AMM TASK 12-11-01-600-802-A/300	FUEL-TANK PRESSURE DEFUELING - SERVICING
SB145-28-0023	-
WM 20-22-00	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
541	541CB	LH Underwing surface
641	641CB	RH Underwing surface

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	Fuel tanks



I. Preparation

SUBTASK 841-002-A

WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 28-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO THE MATERIAL.

- (1) Defuel the tanks ([AMM TASK 12-11-01-600-802-A/300](#)).
- (2) Remove the access panels ([AMM MPP 06-44-00/100](#)) and ([AMM MPP 28-11-01/400](#)), shown below to get access to the pilot valve:
 - (a) LH fuel tank:
 - 541CB.
 - (b) RH fuel tank:
 - 641CB.
- (3) Remove the left and right pilot valves ([AMM MPP 28-23-03/400](#)).

NOTE: On aircraft POST-MOD [SB145-28-0023](#), you can do the inspection with the pilot valves installed. For this, it is necessary to disconnect the pilot valve harness splice, disconnect the hose from the pilot valves, and remove the harness from the hose (Refer to [AMM MPP 28-23-03/400](#)).

J. Visually Inspect Pilot Valve Harness Inside the Conduit

SUBTASK 220-002-A

- (1) Do the detailed inspection on the harness for the two pilot valves:
 - (a) Visually check wire insulation for damage.
 - (b) Examine the remaining 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 the left and right pilot valves ([AMM MPP 28-23-03/400](#)).
- (2) Install the access panels as shown below. Refer to [AMM MPP 06-44-00/100](#) and [AMM MPP 28-11-01/400](#).
 - (a) LH fuel tank:
 - 541CB.
 - (b) RH fuel tank:
 - 641CB.
- (3) Refuel the aircraft ([AMM TASK 12-11-01-600-801-A/300](#)) as applicable.

