



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

FUELING SHUT-OFF VALVE - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the fueling shut-off 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
28-23-02-000-801-A	FUELING SHUT-OFF VALVE - REMOVAL	ALL
28-23-02-400-801-A	FUELING SHUT-OFF VALVE - INSTALLA- TION	ALL



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TASK 28-23-02-000-801-A

EFFECTIVITY: ALL

2. FUELING SHUT-OFF VALVE - REMOVAL

A. General

- (1) This task is applicable to the LH fuel tank and RH fuel tank.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-44-00/100	- COMPONENT LOCATION
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 12-11-01-600-802-A/300	FUEL-TANK PRESSURE DEFUELING - SERVICING
AMM TASK 28-11-01-000-801-A/400	FUEL-TANK ACCESS PANELS - REMOVAL
AMM TASK 28-11-01-000-802-A/400	FUEL-TANK ACCESS PANELS - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
531	531CB	LH Underwing area
631	631CB	RH Underwing area

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	LH/RH Underwing area

I. Preparation

SUBTASK 841-004-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 MATERIAL.

- (1) Defuel the tanks ([AMM TASK 12-11-01-600-802-A/300](#)).



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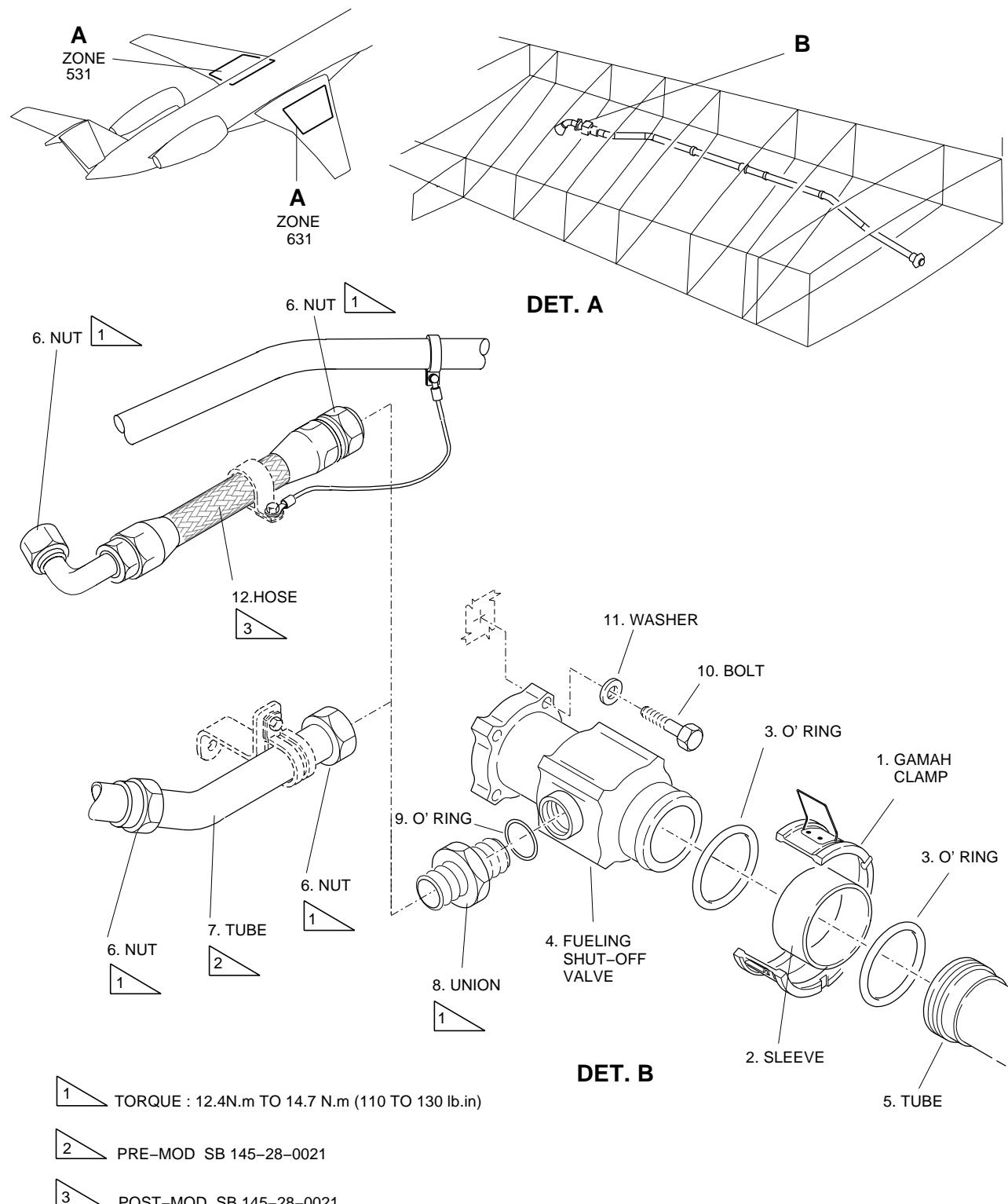
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- (2) Remove the access panels ([AMM MPP 06-44-00/100](#)) and ([AMM TASK 28-11-01-000-801-A/400](#)) or ([AMM TASK 28-11-01-000-802-A/400](#)), as applicable, shown below to get access to the vent valves:
 - (a) LH fuel tank:
 - 531CB.
 - (b) RH fuel tank:
 - 631CB.

J. Removal ([Figure 401](#))

SUBTASK 020-003-A

- (1) Open the Gamah clamp (1).
- (2) Remove the sleeve (2) and O-rings (3) from the fueling shut-off valve (4) and from the tube (5).
- (3) Discard the O-rings (3).
- (4) Loosen the nuts (6).
- (5) Turn the tube (7) or the hose (12), as applicable, and remove the union (8).
- (6) Remove and discard the O-ring (9).
- (7) Remove the bolt (10) and washer (11).
- (8) Remove the fueling shut-off valve (4).

EFFECTIVITY: ALL
Fueling Shut-off Valve - Removal/Installation
Figure 401




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TASK 28-23-02-400-801-A

EFFECTIVITY: ALL

3. FUELING SHUT-OFF VALVE - INSTALLATION

A. General

(1) This task is applicable to the LH fuel tank and RH fuel tank.

B. References

REFERENCE	DESIGNATION
28-23-00	-
AMM MPP 06-44-00/100	- COMPONENT LOCATION
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 12-11-01-600-801-A/300	FUEL-TANK PRESSURE REFUELING - SERVICING
AMM TASK 20-13-21-910-801-A/200	TYPES OF ELECTRICAL BONDING AND SURFACE PREPARATION - STANDARD PROCEDURES
AMM TASK 20-13-21-910-802-A/200	ELECTRICAL BONDING PROTECTION - STANDARD PROCEDURES
AMM TASK 28-11-01-400-801-A/400	FUEL-TANK ACCESS PANELS - INSTALLATION
AMM TASK 28-11-01-400-802-A/400	FUEL-TANK ACCESS PANELS - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
531	531CB	LH Underwing area
631	631CB	RH Underwing area

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Molykote DC-33 Light	Lubricant	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	28-23-00	3



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H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH/RH Underwing area

I. Preparation

SUBTASK 841-008-A

- (1) Lightly apply Molykote lubricant to the O-rings (3) and the O-ring (9).
- (2) Prepare the fueling shut-off valve base surface for bonding. Do the bonding procedures method 3 ([AMM TASK 20-13-21-910-801-A/200](#)).

J. Installation (Figure 401)

SUBTASK 420-003-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 MATERIAL.

- (1) Install the fueling shut-off valve (4).

CAUTION: MAKE SURE THAT THE ATTACHING BOLTS, NUTS, WASHERS, FUEL LINE FITTINGS AND FAYING SURFACES BETWEEN THE FUELING SHUT-OFF VALVE AND THE FUEL TANK SUPPORT ARE CLEAN TO PREVENT AN UNSATISFACTORY ELECTRICAL BONDING.

- (2) Install the bolts (10) and washers (11).
- (3) Do the bonding protection for the fueling shut-off valve base ([AMM TASK 20-13-21-910-802-A/200](#)).
- (4) Install the O-ring (9) and union (8) to the fueling shut-off valve (4).
- (5) Install the tube (7) or the hose (12), as applicable, to the union (8).
- (6) Install the O-rings (3) to the fueling shut-off valve (4) and to the tube (5).
- (7) Install the sleeve (2).
- (8) Install and close the Gamah clamp (1).

K. Follow-on

SUBTASK 842-003-A

- (1) Install the access panels ([AMM MPP 06-44-00/100](#)) and ([AMM TASK 28-11-01-400-801-A/400](#)) or ([AMM TASK 28-11-01-400-802-A/400](#)) as applicable:
 - (a) LH fuel tank:
 - 531CB.
 - (b) RH fuel tank:
 - 631CB.



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- (2) Refuel the tanks ([AMM TASK 12-11-01-600-801-A/300](#)) as applicable.

