

FLOAT VALVE - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the float valves.
- 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
28-12-01-000-801-A	FLOAT VALVE - REMOVAL	ALL
28-12-01-400-801-A	FLOAT VALVE - INSTALLATION	ALL

TASK 28-12-01-000-801-A

EFFECTIVITY: ALL

2. FLOAT VALVE - REMOVAL

A. General

(1) This task is applicable to the float valves installed in the RH and LH fuel tanks.

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
500	531AB/541EB	LH underwing area
600	631AB/641EB	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	Fuel tank

I. Preparation

SUBTASK 841-002-A

- (1) Make sure that the aircraft is safe for maintenance.
- (2) Defuel the applicable fuel tank ([AMM TASK 12-11-01-600-802-A/300](#)).
- (3) Remove the applicable 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 float valves.

- (a) LH fuel tank:
 - 531AB/541EB.
- (b) RH fuel tank:
 - 631AB/641EB.

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

SUBTASK 020-002-A

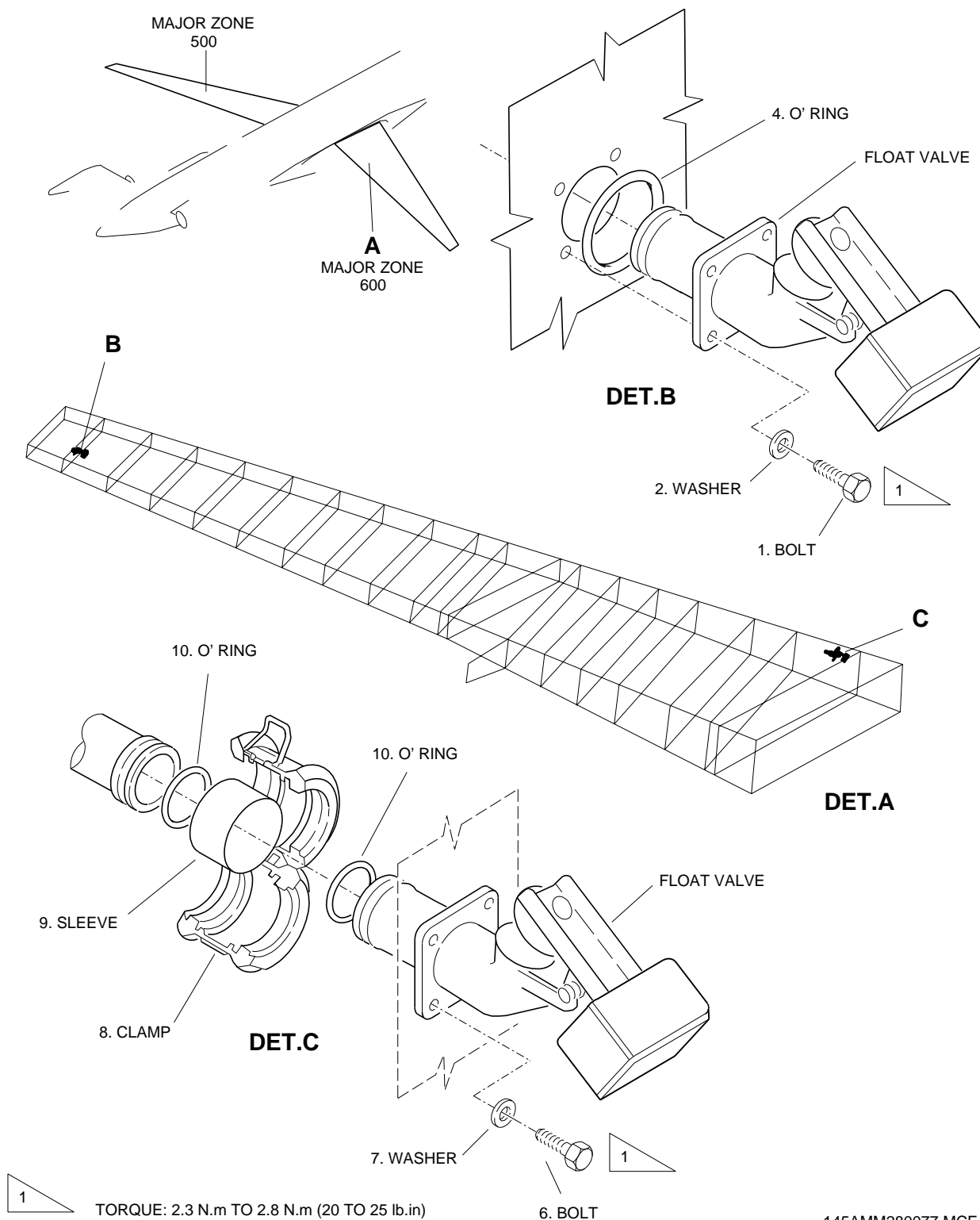
WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN [AMM MPP 28-00-00/200](#) TO PREVENT INJURY TO PERSONS AND DAMAGE TO THE MATERIAL.

- (1) Remove the float valve located in wing rib 2 as follows:
 - (a) Remove the clamp (8).
 - (b) Move the sleeve (9) to get access to the O-ring (10). Discard the O-ring.
 - (c) Remove the bolts (6) and washers (7) and remove the float valve.
 - (d) Install protection caps to the disconnected points.
- (2) Remove the float valve installed in wing rib 19 as follows:
 - (a) Remove the bolts (1) and washers (2) and remove the float valve.
 - (b) Discard the O-ring (4).
 - (c) Install protection caps to the disconnected points.

EFFECTIVITY: ALL

Float Valves - Removal/Installation

Figure 401



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TASK 28-12-01-400-801-A
EFFECTIVITY: ALL

3. FLOAT VALVE - INSTALLATION

A. General

(1) This task is applicable to the electrical fuel pump installed in the RH and LH fuel tanks.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-44-00/100	- COMPONENT LOCATION
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 12-11-01-600-801-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
IPC 28-12-00	WING TANK VENT SYSTEM

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
500	531AB/541EB	LH underwing area
600	631AB/641EB	RH underwing area

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque Wrench (Torque range - Ref. Figure 401)	To apply controlled torque	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Molykote DC-33 Light or equivalent	Grease	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O'ring	IPC 28-12-00	01/LRU

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Fuel tank

I. Installation (Figure 401)

SUBTASK 420-002-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) Install the float valve installed in wing rib 2 as follows:
 - (a) Remove the protection caps from the disconnected points, if applicable.
 - (b) Lubricate with Molykote DC-33 light grease and install the new o'rings (10) on the vent line flange and float valve.
 - (c) Prepare the float valve base and support surfaces for bonding. Do the bonding procedures, method 3 ([AMM TASK 20-13-21-910-801-A/200](#)).
 - (d) Put the float valve in its installation position, on the fuel tank support.
 - (e) Install the bolts (6) and washers (7). Tighten the bolts.
 - (f) Do the bonding protection procedures for the float valve base and support ([AMM TASK 20-13-21-910-802-A/200](#)).
 - (g) Move the sleeve (9) to its correct position and install the clamp (8).
 - (h) Manually touch the float-valve to make sure that it move freely and make sure that it stays correctly against the float valve body surface.
- (2) Install the float valve installed in wing rib 19 as follows:
 - (a) Remove the protection caps from the disconnected points, if applicable.
 - (b) Lubricate with Molykote DC-33 light grease and install the new (4) o'ring on the float valve flange.
 - (c) Prepare the float valve base and support surfaces for bonding. Do the bonding procedures, method 3 ([AMM TASK 20-13-21-910-801-A/200](#)).
 - (d) Put the float valve in its installation position, on the fuel tank support.
 - (e) Put the bolts (1) and washers (2) in their installation position. Tighten the bolts.
 - (f) Do the bonding protection procedures for the float valve base and support ([AMM TASK 20-13-21-910-802-A/200](#)).
 - (g) Manually touch the float valve to make sure that it moves freely and make sure that it stays correctly against the float valve body surface.

J. Follow-on

SUBTASK 842-002-A

- (1) Install the access panels removed in step 2.I. Refer to [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](#).
- (2) Refuel the aircraft ([AMM TASK 12-11-01-600-801-A/300](#)) as applicable.
- (3) Examine the access panels which were removed for fuel leakage.

