



AIRCRAFT MAINTENANCE MANUAL

BY-PASS VALVE - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH WATER PUMP

1. General

- A. This section gives the procedures for the removal/installation of the bypass valve.
- B. The bypass valve is installed in the lavatory and assures the water supply to the washbasin faucet if the water pump fails.
- 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).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
38-10-14-000-801-A	BYPASS VALVE - REMOVAL	AIRCRAFT WITH WATER PUMP
38-10-14-400-801-A	BYPASS VALVE - INSTALLATION	AIRCRAFT WITH WATER PUMP



AIRCRAFT
MAINTENANCE MANUAL

TASK 38-10-14-000-801-A

EFFECTIVITY: AIRCRAFT WITH WATER PUMP

2. BYPASS VALVE - REMOVAL

A. General

- (1) This task gives the procedure for the removal of the bypass valve.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Lavatory

H. Preparation

SUBTASK 841-002-A

- (1) Make sure that the water tank is empty.
- (2) Open the fire ext/toilet paper door assy ([Figure 401](#), DET. A).

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

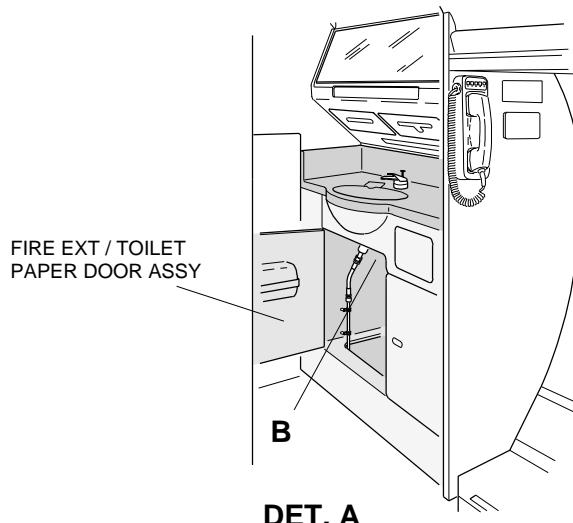
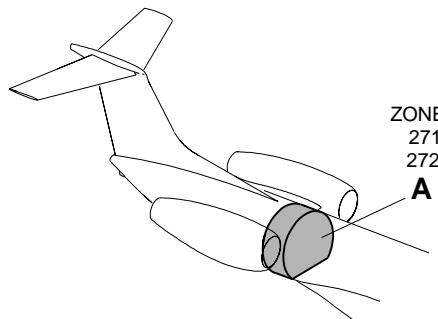
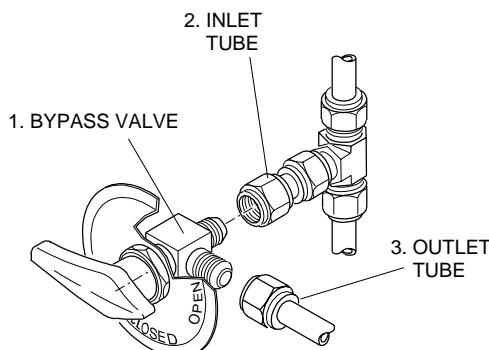
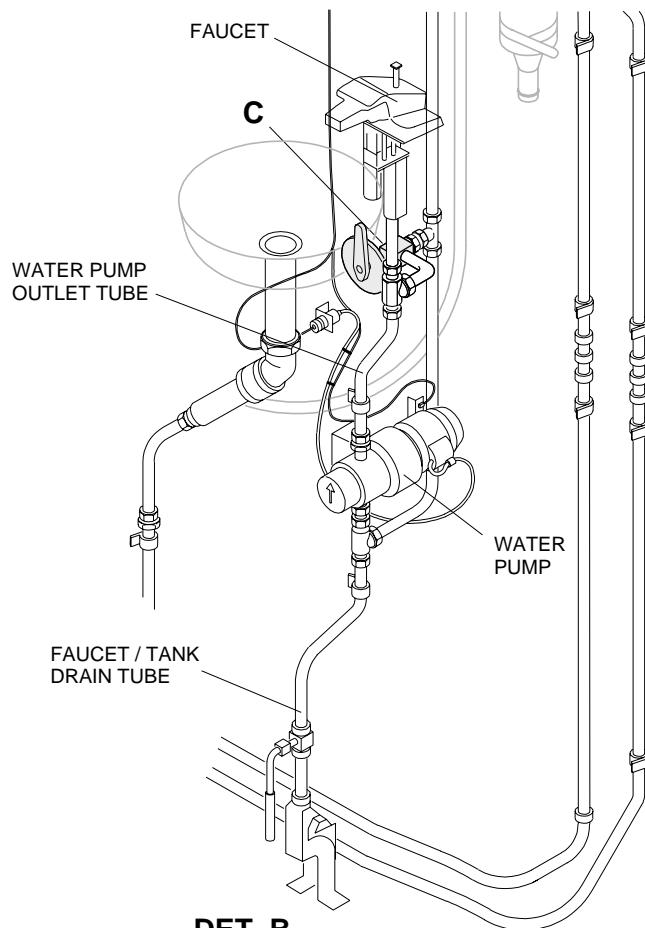
SUBTASK 020-002-A

- (1) Disconnect the outlet (3) and the inlet (2) tubes from the bypass valve.
- (2) Remove the bypass valve (1) from the water plumbing.

EFFECTIVITY: AIRCRAFT WITH WATER PUMP

Bypass Valve - Removal/Installation

Figure 401


DET. A

DET. C

DET. B

145AMM380116.MCE



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 38-10-14-400-801-A

EFFECTIVITY: AIRCRAFT WITH WATER PUMP

3. BYPASS VALVE - INSTALLATION

A. General

- (1) This task gives the procedure for the installation of the bypass valve.

B. References

REFERENCE	DESIGNATION
AMM TASK 12-15-01-600-801-A/300	WATER TANK - FILLING

C. Zones and Accesses

Not Applicable

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	Lavatory

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put a serviceable bypass valve (1) in the installation position.
- (2) Connect the outlet (3) and inlet (2) tubes to the bypass valve.

J. Follow-on

SUBTASK 842-002-A

- (1) Close the fire ext/toilet paper door assy (Figure 401), DET. A).
- (2) Fill the water tank ([AMM TASK 12-15-01-600-801-A/300](#)).
- (3) Do a test for leaks.