

## WASTE DRAIN VALVE - REMOVAL/INSTALLATION

*EFFECTIVITY: ACFT MODEL(S) EMB-145*

### 1. General

- A. This section gives the procedures to remove/install the waste drain valve.
- B. To get access to the waste drain valve, you must open the waste-service panel door and remove the baggage-compartment floor lining and floor panel 272AF.
- 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
38-32-04-000-801-A	WASTE DRAIN VALVE - REMOVAL	ACFT MODEL(S) EMB-145
38-32-04-400-801-A	WASTE DRAIN VALVE - INSTALLATION	ACFT MODEL(S) EMB-145

TASK 38-32-04-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

## 2. WASTE DRAIN VALVE - REMOVAL

### A. General

**WARNING: PREVENT CONTACT WITH THE LAVATORY FLUIDS DURING MAINTENANCE OR SERVICING PROCEDURES IN THE LAVATORY AREA. WASTE WATER CAN GET ON YOUR BODY AND CAUSE AN INFECTION.**

- PUT ON SAFETY GOGGLES.
- PUT ON SAFETY GLOVES.
- PUT ON SAFETY CLOTHES.

(1) This task gives the procedure to remove the waste drain valve.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
<a href="#">AMM TASK 25-51-04-000-801-A/400</a>	BAGGAGE-COMPARTMENT FLOOR LINING - REMOVAL
AMM TASK 38-30-00-600-801-A/300	-
AMM TASK 38-32-02-000-801-A/400	-
SRM 51-20-01	-

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
172	272AR	Rear right side of the fuselage bottom
272	272AF	Baggage compartment floor

### D. Tools and Equipment

Not Applicable

### E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rubber Goggles	Protection for the eyes	1
Commercially available	Rubber Gloves	Protection for the hands	1
Commercially available	Safety Clothes	Prevent contact with the lavatory fluids	1

F. Consumable Materials

<i>SPECIFICATION (BRAND)</i>	<i>DESCRIPTION</i>	<i>QTY</i>
MIL-S-8802, TYPE II, CLASS B	Sealant, PR-1440 B2	AR
MIL-G-47886	Grease, Molykote, DC-33, Light	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Outside the aircraft
1	Helps with the task	Below the baggage compartment floor

I. Preparation

**SUBTASK 841-006-A**

- (1) Open waste-service panel door 272AR (AMM MPP 06-41-01/100).
- (2) Drain the toilet waste water (AMM TASK 38-30-00-600-801-A/300).
- (3) Remove the baggage-compartment floor lining ( [AMM TASK 25-51-04-000-801-A/400](#)).
- (4) Remove baggage-compartment floor panel 272AF (AMM MPP 06-41-02/100).

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

**SUBTASK 020-006-A**

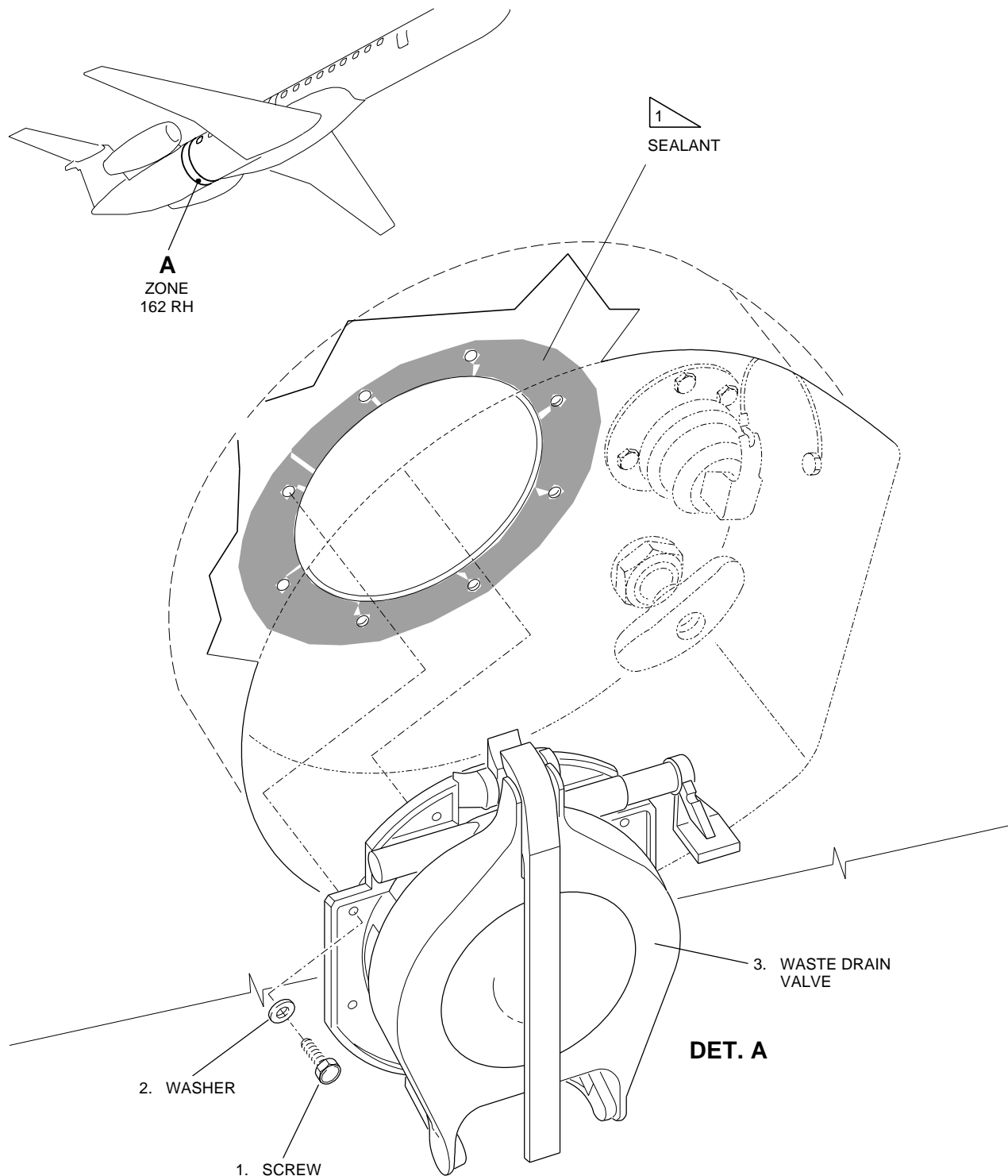
- (1) Get access to the waste drain hose through the baggage compartment floor and loosen the clamp that attaches the hose to the waste drain valve (AMM TASK 38-32-02-000-801-A/400).
- (2) Remove the screws (1) and the washers (2) of the waste drain valve (3).
- (3) Remove the waste drain valve (3).

- NOTE:**
- When you remove the waste drain valve, mark its position to make the assembly easier.
  - Make sure that the PR-1440 B2 interface sealant is not damaged. If necessary, apply it again. Refer to SRM 51-20-01.

**EFFECTIVITY: ACFT MODEL(S) EMB-145**

**Waste Drain Valve - Removal/Installation**

**Figure 401**




**PR 1440B2 INTERFACE SEALANT**

145AMM380004A.MCE

TASK 38-32-04-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

### 3. WASTE DRAIN VALVE - INSTALLATION

#### A. General

(1) This task gives the procedure to install the waste drain valve.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
<a href="#">AMM TASK 25-51-04-400-801-A/400</a>	BAGGAGE-COMPARTMENT FLOOR LINING - INSTALLATION
AMM TASK 28-41-00-200-801-A/600	-
AMM TASK 38-32-02-400-801-A/400	-
SRM 51-20-01	-

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
172	272AR	Rear right side of the fuselage bottom
272	272AF	Baggage compartment floor

#### D. Tools and Equipment

Not Applicable

#### E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rubber Goggles	Protection for the eyes	1
Commercially available	Rubber Gloves	Protection for the hands	1
Commercially available	Safety Clothes	Prevent contact with the lavatory fluids	1

#### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-G-47886	Grease, Molykote, DC-33, Light	AR

#### G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Outside the aircraft
1	Helps with the task	Below the baggage compartment floor

I. Installation (Figure 401)

**SUBTASK 420-006-A**

- (1) Make sure that the PR-1440 B2 interface sealant is not damaged. If necessary, apply it again. Refer to SRM 51-20-01.

NOTE: If the interface sealant is damaged, leakage can occur.

- (2) Apply the Molykote DC-33 light product to the waste drain-valve parts that will be in contact with the interface sealant.

NOTE: The application of the Molykote DC-33 lubricant will prevent damage during the subsequent task, which refers to the waste drain-valve removal.

- (3) Put the waste drain valve in its correct installation location.
- (4) Install the screws (1) and the washers (2) of the waste drain valve (3) and tighten them in a crisscross pattern.
- (5) Attach the waste drain hose (AMM TASK 38-32-02-400-801-A/400) to the waste drain valve (3) and tighten the clamp.

J. Follow-on

**SUBTASK 842-006-A**

- (1) Do an inspection of the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

NOTE: The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.

- (2) Install baggage-compartment floor panel 272AF (AMM MPP 06-41-02/100).
- (3) Install the baggage-compartment floor lining ( [AMM TASK 25-51-04-400-801-A/400](#)).
- (4) Close waste-service panel door 272AR (AMM MPP 06-41-01/100).