



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

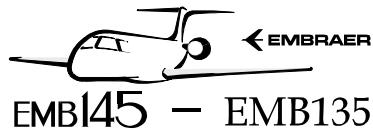
WASTE DRAIN VALVE - REMOVAL/INSTALLATION

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



AIRCRAFT MAINTENANCE MANUAL

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	-
AMM TASK 25-51-04-000-801-A/400	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).

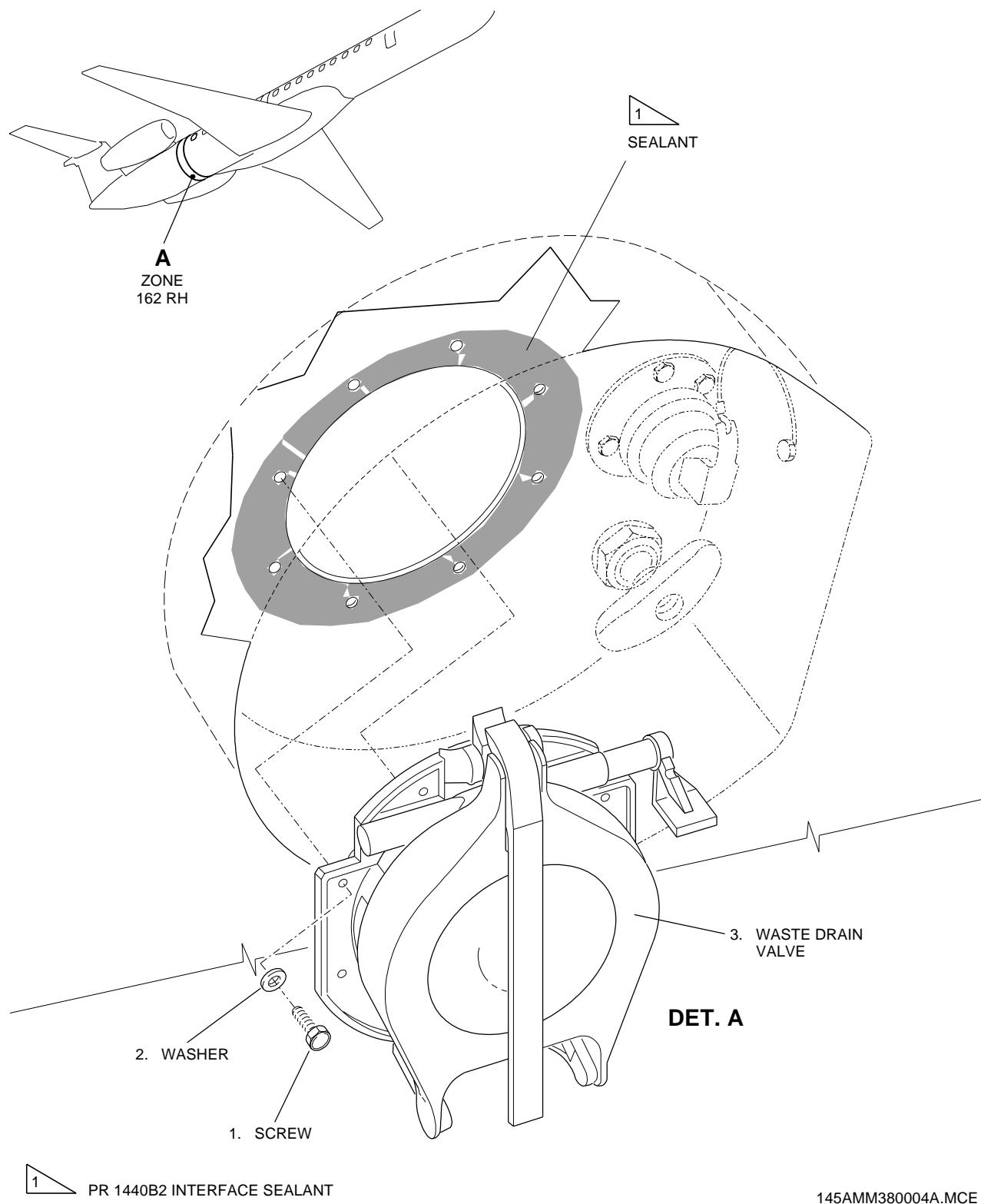
J. Removal ([Figure 401](#))

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



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

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
AMM TASK 25-51-04-400-801-A/400	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

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

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
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-G-47886	Grease, Molykote, DC-33, Light	AR

G. Expandable Parts

Not Applicable



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

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).