



AIRCRAFT MAINTENANCE MANUAL

WASTE DRAIN VALVE - MAINTENANCE PRACTICES

EFFECTIVITY: ALL

1. General

- A. This section gives the maintenance practices for the waste drain valve seals.
- 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
38-32-04-960-801-A ♦	WASTE DRAIN VALVE O-RING - RE-PLACEMENT/DISPOSAL	ALL
38-32-04-960-802-A ♦	WASTE DRAIN VALVE CAP SEAL - RE-PLACEMENT/DISPOSAL	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 38-32-04-960-801-A

EFFECTIVITY: ALL

2. WASTE DRAIN VALVE O-RING - REPLACEMENT/DISPOSAL

A. General

- (1) This task gives the maintenance practices for the waste drain valve O-ring.

B. References

REFERENCE	DESIGNATION
AMM TASK 38-30-00-600-801-A/300	-
IPC 38-32-04	WASTE DRAIN VALVE

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193MR	Right side of the rear wing-to-fuselage fairing

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Commercially available	Parker Super-O-Lube Lubricant	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Valve Seal (O-Ring)	IPC 38-32-04	1

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Rear right side of the fuselage bottom

I. Discard Waste Drain Valve O-Ring ([Figure 201](#))

SUBTASK 960-002-A

- (1) Service the waste disposal (AMM TASK 38-30-00-600-801-A/300). Leave the cap assembly and flapper open.



AIRCRAFT MAINTENANCE MANUAL

- (2) Pinch on both sides of the flapper to cause the valve O-ring (4) to bow out of the groove and hold it. Remove and discard the valve O-ring (4).

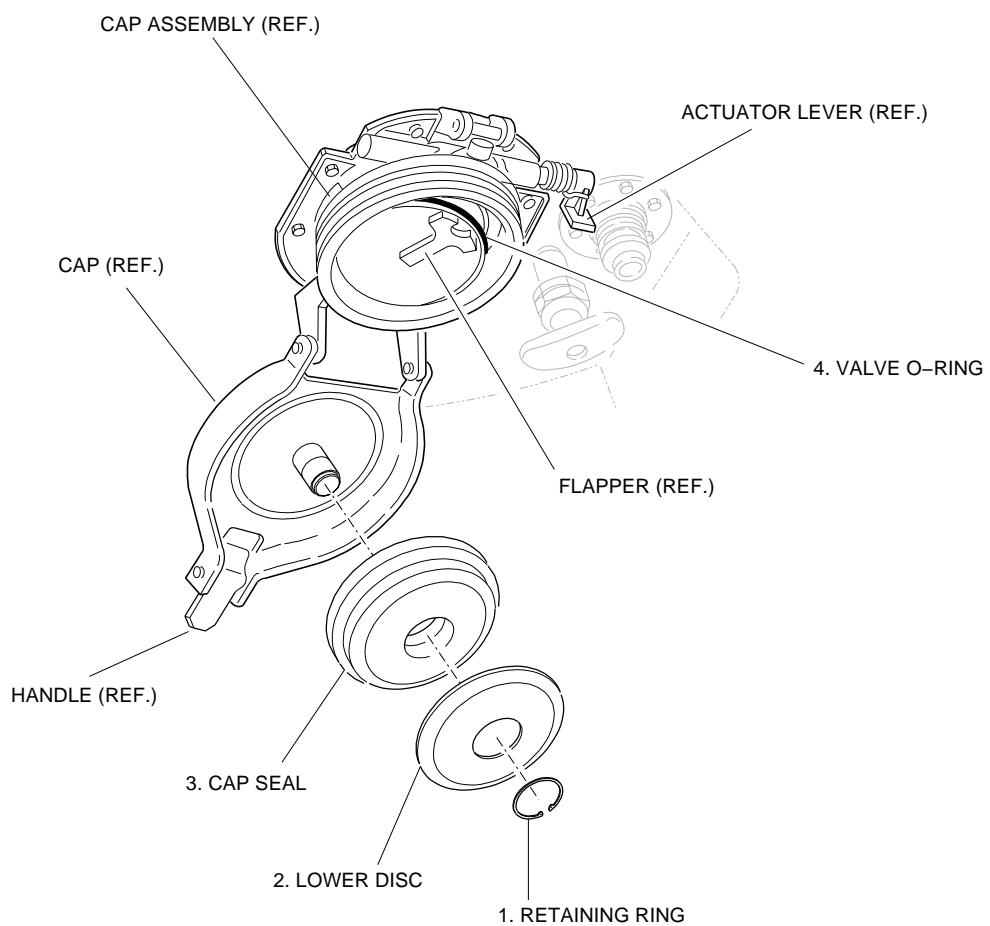
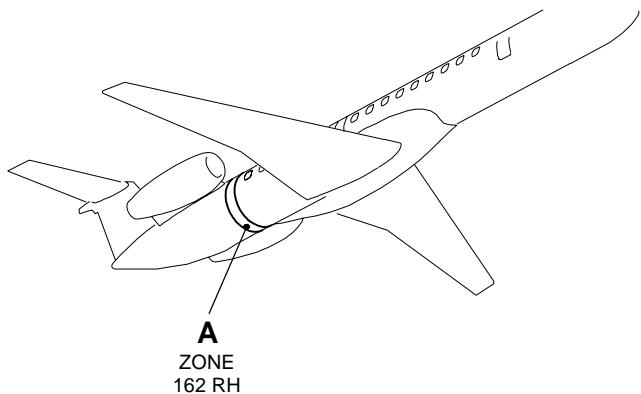
CAUTION: USE ONLY PARKER SUPER-O-LUBE ASSEMBLY LUBRICANT, OR ANY OTHER LUBRICANT APPROVED BY EMBRAER, ON THE VALVE O-RING AND IN SMALL QUANTITY. THE USE OF UNAPPROVED ASSEMBLY LUBRICANTS CAN CAUSE EXCESSIVE SMELLING AND SOFTENING OR OTHER DAMAGE TO THE O-RING.

- (3) Coat the new valve O-ring (4) with a thin film of Parker Super-O-Lube before assembly.
- (4) Install the valve O-ring (4) evenly without twists on the flapper. Close the flapper and make sure that the valve O-ring (4) does not get cut by the body assembly.
- (5) Close the cap assembly and latch the handle.
- (6) Make sure that the waste drain valve does not have leaks.

EFFECTIVITY: ALL

Waste Drain Valve Seals - Replacement

Figure 201



145AMM380231A.MCE

TASK 38-32-04-960-802-A
EFFECTIVITY: ALL
3. WASTE DRAIN VALVE CAP SEAL - REPLACEMENT/DISPOSAL
A. General

- (1) This task gives the maintenance practices for the waste drain valve cap seal.

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
IPC 38-32-04	WASTE DRAIN VALVE

C. Zones and Accesses

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
193	193MR	Right side of the rear wing-to-fuselage fairing

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expendable Parts

<i>ITEM</i>	<i>IPC REFERENCE (VENDOR REFERENCE)</i>	<i>QTY</i>
Cap Seal	IPC 38-32-04	1

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Rear right side of the fuselage bottom

I. Discard Waste Drain Valve Cap Seal (Figure 201)
SUBTASK 960-003-A

WARNING: DO NOT PUSH THE ACTUATOR LEVER TO OPEN THE FLAPPER. THIS CAN RELEASE WASTE THAT HAS ACCUMULATED IN THE WASTE DRAIN DUCT.

- (1) Unlatch the handle and open the cap assembly.
- (2) Remove the retaining ring (1). Slide the lower disc (2) and the cap seal (3) from the cap.



AIRCRAFT MAINTENANCE MANUAL

- (3) Slide the new cap seal (3) and the lower disc (2) onto the post on the cap. Install the retaining ring (1).
- (4) Close the cap assembly and latch the handle.
- (5) Make sure that the waste drain valve does not have leaks.