



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

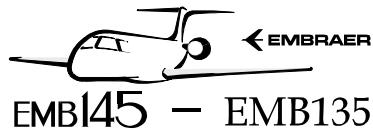
TOILET UNIT - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the toilet unit.
- 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
38-32-01-000-801-A	TOILET UNIT - REMOVAL	ALL
38-32-01-400-801-A	TOILET UNIT - INSTALLATION	ALL



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TASK 38-32-01-000-801-A

EFFECTIVITY: ALL

2. TOILET UNIT - REMOVAL

A. General

WARNING: PREVENT CONTACT WITH THE LAVATORY FLUIDS DURING MAINTENANCE OR SERVICE IN THE LAVATORY AREA.

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

- (1) This task gives the procedures to remove the toilet unit.
- (2) The toilet unit is installed on the RH side of the lavatory, in the rear of the aircraft passenger cabin.

B. References

REFERENCE	DESIGNATION
AMM TASK 25-40-04-000-801-A/400	TOILET SHROUD ASSEMBLY - REMOVAL
AMM TASK 38-30-00-600-801-A/300	-
AMM TASK 38-30-00-600-802-A/300	-

C. Zones and Accesses

Not Applicable

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

Not Applicable

G. Expandable Parts

Not Applicable



H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Lavatory

I. Preparation

SUBTASK 841-002-A

- (1) Make sure that the toilet unit is serviced (AMM TASK 38-30-00-600-801-A/300 or AMM TASK 38-30-00-600-802-A/300, as applicable) and empty.
- (2) On the overhead circuit breaker panel, open the FLUSH circuit breaker (Location tip: DC BUS 1/LAVATORY/FLUSH) and attach a DO-NOT-CLOSE tag to it.
- (3) Remove the toilet shroud assembly ([AMM TASK 25-40-04-000-801-A/400](#)).

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

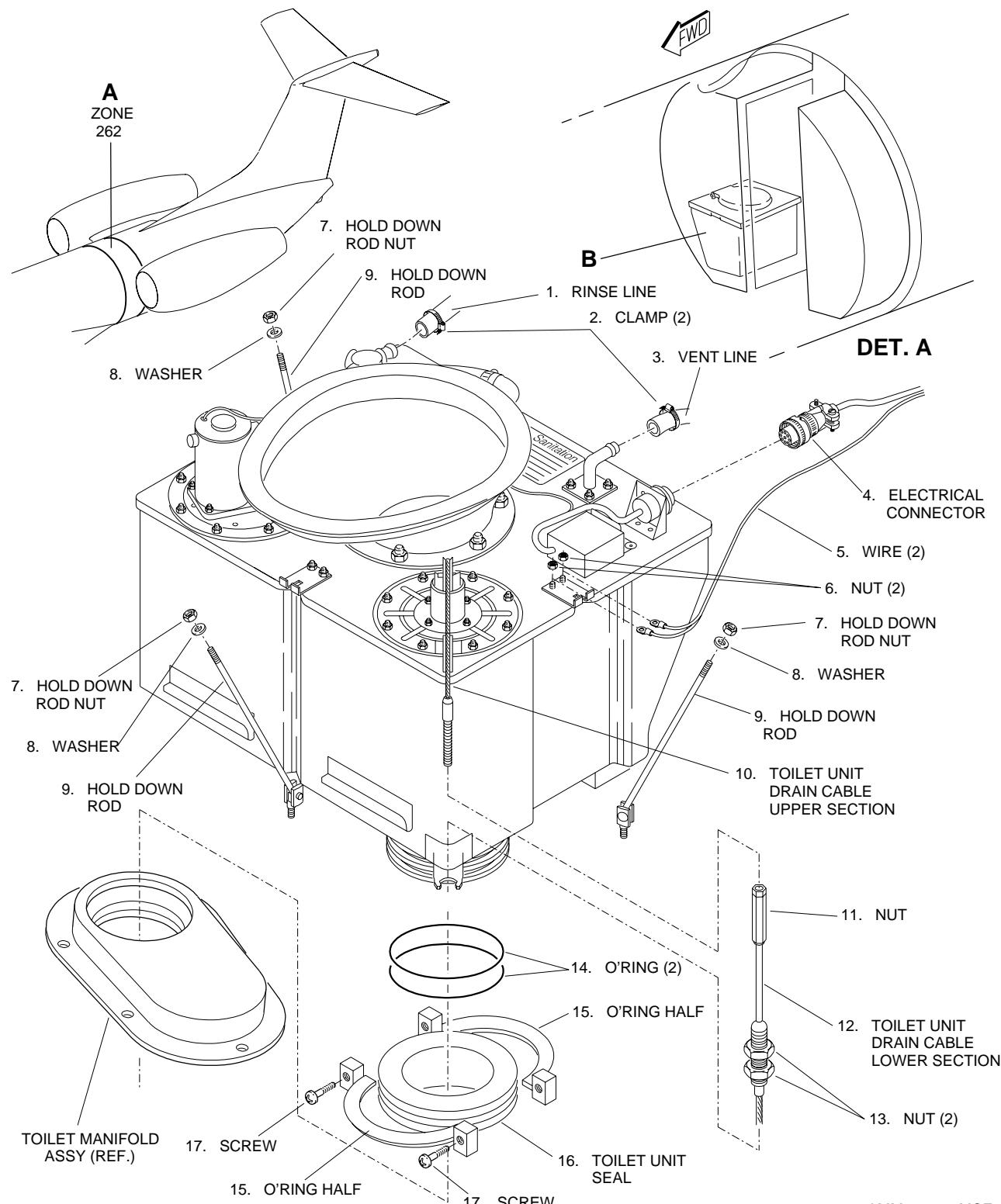
SUBTASK 020-002-A

- (1) Disconnect the electrical connector (4).
- (2) Remove the nuts (6) and disconnect the wires (5).
- (3) Loosen the nut (11) and move apart the toilet unit drain cable upper section (10) and the toilet unit drain cable lower section (12).
- (4) Loosen the nuts (13) that attach the toilet unit drain cable lower section (12) to the toilet unit.
- (5) Loosen the clamps (2) and disconnect the rinse line (1) and the vent line (3).
- (6) Loosen the hold-down rod nuts (7) and washers (8) and disengage the hold-down rods (9) from the toilet unit.
- (7) Pull the toilet unit up and remove it from the toilet manifold assembly (REF.).
- (8) Remove and discard the two O-rings (14).
- (9) Examine the toilet unit seal (16) for dents, cracks, or breakage. If it is found not good, remove the screws (17) and O-ring halves (15) and discard the toilet unit seal (16).

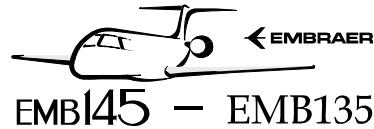
EFFECTIVITY: ALL

Toilet Unit - Removal/Installation

Figure 401



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TASK 38-32-01-400-801-A

EFFECTIVITY: ALL

3. TOILET UNIT - INSTALLATION

A. General

WARNING: PREVENT CONTACT WITH THE LAVATORY FLUIDS DURING MAINTENANCE OR SERVICE IN THE LAVATORY AREA.

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

(1) This task gives the procedures to install the toilet unit.

B. References

REFERENCE	DESIGNATION
AMM TASK 25-40-04-400-801-A/400	TOILET SHROUD ASSEMBLY - INSTALLATION
AMM TASK 38-30-00-600-801-A/300	-
AMM TASK 38-30-00-600-802-A/300	-
IPC 25-40-02	LAVATORY - BI-FOLD
IPC 38-32-01	TOILET UNIT

C. Zones and Accesses

Not Applicable

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
Molykote DC-33	Grease, light consistency	AR



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G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	IPC 38-32-01	2
Seal	IPC 25-40-02	1

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Lavatory

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) If applicable, install a new toilet unit seal (16) and attach it with the two O-ring halves (15) and screws (17).
- (2) Install two new O-rings (14) and lubricate them with Molykote DC-33 light grease.
- (3) Correctly put the toilet unit on the toilet manifold assembly (REF.).
- (4) NOTE: Do not tighten too much the hold-down rod nuts (7). Torque max. 2.26 N.m (20 lb.in).
Engage the toilet unit hold-down rods (9) and washers (8) and attach with the hold-down rod nuts (7).
- (5) Connect the vent line (3) and rinse line (1) and tighten their clamps (2).
- (6) Connect the toilet unit drain cable upper section (10) and the toilet unit drain cable lower section (12) and tighten the nut (11).
- (7) Attach the toilet unit drain cable lower section (12) to the toilet unit and tighten the nuts (13).
- (8) Connect the wires (5) and tighten their nuts (6).
- (9) Connect the electrical connector (4).

J. Follow-on

SUBTASK 842-002-A

- (1) Install the toilet shroud assembly ([AMM TASK 25-40-04-400-801-A/400](#)).
- (2) On the overhead circuit breaker panel, remove the DO-NOT-CLOSE tag from the FLUSH circuit breaker (Location tip: DC BUS 1/LAVATORY/FLUSH) and close it.
- (3) Service the toilet unit (AMM TASK 38-30-00-600-801-A/300 or AMM TASK 38-30-00-600-802-A/300, as applicable).