



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

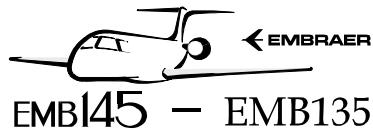
WASTE DISPOSAL - SERVICING

EFFECTIVITY: ACFT MODEL(S) EMB-135

1. General

- A. This section gives the procedures to do the servicing of the toilet unit.
- B. The liquid disinfectant is replaced with the use of the sanitary service unit, which must be connected to the waste service panel.
- C. You must open the door of the waste service panel to do the waste disposal.
- D. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

<i>TASK NUMBER</i>	<i>DESCRIPTION</i>	<i>EFFECTIVITY</i>
38-30-00-600-801-A	WASTE DISPOSAL - SERVICE	ACFT MODEL(S) EMB-135



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TASK 38-30-00-600-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

2. WASTE DISPOSAL - SERVICE

A. General

- WARNING:**
- PREVENT CONTACT WITH THE LAVATORY FLUIDS DURING MAINTENANCE OR SERVICE IN THE LAVATORY AREA. WASTE WATER CAN GET ON YOUR BODY AND CAUSE AN INFECTION.
 - OBEY ALL THE SAFETY PRECAUTIONS AND REGULATIONS WHEN YOU USE CHEMICAL COMPOUNDS. IF TOILET SYSTEM CLEANER GETS ON YOUR BODY, FLUSH YOUR EYES, MOUTH, OR SKIN WITH WATER AND GET MEDICAL AID. THE TOILET SYSTEM CLEANER IS AN ACID AND WILL CAUSE INJURY TO PERSONS AND DAMAGE TO EQUIPMENT.
 - **PUT ON SAFETY GOGGLES.**
 - **PUT ON SAFETY GLOVES.**
 - **PUT ON SAFETY CLOTHES.**

(1) This task gives the service procedures to do the waste disposal.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 20-30-06/200	- MAINTENANCE PRACTICES

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193MR	Aft and right sides of the rear wing-to-fuselage fairing

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 021	Cart, Lavatory Servicing	Replace the liquid disinfectant	
GSE 032	Coupling, Lavatory Dumping	Drainage of waste	
GSE 033	Coupling, Lavatory Filling	Fill aircraft lavatory with liquid disinfectant	

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

(Continued)

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Safety Clothes	To prevent contact with the lavatory fluids	1

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Celeste Sani-Pak "SP-77008"	Germicidal Deodorant	AR
Celeste Sani-Pak "SP-77080"	Germicidal Deodorant	AR
Celeste Sani-Pak "SP-97000"	Germicidal Deodorant	AR
Mirabowl "Q"	Germicidal Deodorant	AR
Monochem T-5 N.F. Toilet Chemical	Germicidal Deodorant	AR
Monochem DG-19	Germicidal Deodorant	AR
Honey Bee Deodorant 33	Germicidal Deodorant	AR
Aerofresh 35	Germicidal Deodorant	AR
Aeroshell Compound 07 or equivalent	De-icing Fluid	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

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

I. Toilet Waste-Bowl - Cleaning (Figure 301)

SUBTASK 610-011-B

CAUTION: THE MAXIMUM PERMITTED PRESSURE FOR THE WASTE TANK FILLING IS 80 PSI.

NOTE: If necessary, add commercial deodorants and disinfectants to the toilet unit, but the toilet-unit definitive volume must not include such material.

- (1) Open waste-service-panel door 193MR. Refer to AMM MPP 06-41-01/100.
- (2) Remove the cap (1) from the toilet rinse nipple (2).
- (3) Release the handle (3) and open the cap (4) of the waste drain valve (5).
- (4) Connect the lavatory dumping coupling (6) of the lavatory servicing cart (7) to the waste drain valve (5).
- (5) Connect the lavatory filling coupling (8) to the rinse nipple (2).
- (6) Push the lever (9) of the waste drain-valve actuator to open its internal flapper valve. Do not operate the coupling handle; its operation is not necessary.

- (7) Pull the drain T-handle (10) out and lock it to open the toilet-unit drain valve as follows:
- CAUTION:** DO NOT TURN THE T-HANDLE MANY TIMES IN THE SAME DIRECTION. THE T-HANDLE CAN BE TWISTED AND BREAK.
- (a) Fully pull the T-handle (10) out (approximately 7.5 cm (3 in)) and turn it (approximately 5° to 20°) clockwise or counterclockwise to lock it
- (8) Continue the toilet unit drainage until the waste flow stops.
- (9) Flush with water through the rinse nipple (2) for approximately 3 minutes.
- (10) Release the T-handle (10) as follows:
- (a) Turn the T-handle (10) in (approximately 5° to 20°) to unlock it (in the opposite direction to that used to lock it).
- (b) Push the T-handle (10) in.
- (11) Fill the toilet unit with 15 liters (4 gal) of water.
- (12) Pull the T-handle (10) out and lock it to open the toilet-unit drain valve.
- (13) Release the T-handle (10) after all liquid is drained.
- (14) Disconnect the lavatory dumping (6) and filling (8) couplings.
- (15) Close the cap (9) and latch the handle (7) of the waste drain valve (10). The flapper valve will close automatically when the cap is closed.
- (16) Install the cap (1) on the toilet rinse nipple (2).
- (17) **NOTE:**
- The access door will close only if the waste drain valve is correctly closed.
 - For complete cleaning and maintenance of the toilet unit, refer to the "Component Maintenance Manual - Toilet Assembly Basic P/N 4620-81 - Monogram Sanitation" publication.

Close waste-service-panel door 193MR. Refer to AMM MPP 06-41-01/100.

J. Toilet Waste-Bowl - Pre-Charging ([Figure 301](#))

SUBTASK 610-012-A

- CAUTION:**
- THE MAXIMUM PERMITTED PRESSURE FOR THE WASTE TANK FILLING IS 80 PSI.
 - DO NOT DO THE PRE-CHARGING PROCEDURE FOR AIRCRAFT PARKED IN COLD WEATHER.
THIS COULD CAUSE DAMAGE TO THE SYSTEM.

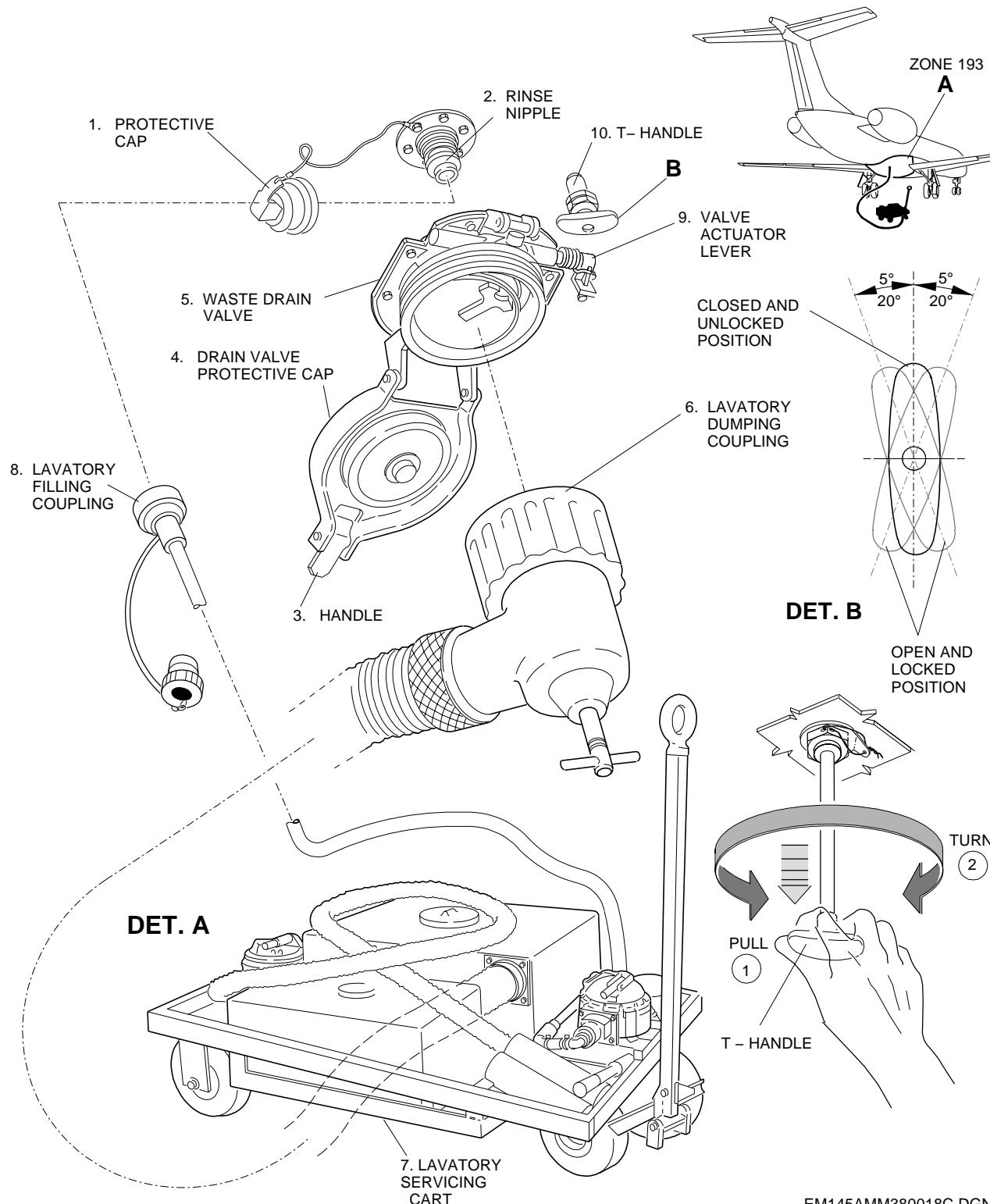
- (1) Open waste-service-panel door 193MR. Refer to AMM MPP 06-41-01/100.
- (2) Remove the cap (1) from the toilet rinse nipple (2).



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- (3) Connect the lavatory filling coupling (8) to the rinse nipple (2).
- (4) Fill the toilet unit with the solution prepared in the servicing cart (7):
 - (a) For aircraft that operate at lower temperatures than 0°C (32°F), fill the toilet unit with a minimum of 6.8 liters (1.8 gal) of water and 0.8 liters (0.2 gal) of Aeroshell compound 07 or equivalent. Refer to [AMM MPP 20-30-06/200](#).
For aircraft that operate at higher temperatures than 0°C (32°F), fill the toilet unit with a minimum of 7.6 liters (2.0 gal) of water.
 - (b) Add these products as recommended by the manufacturer:
 - Mirabowl "Q" germicidal deodorant, or;
 - Celeste Sani-Pak "SP-77008" germicidal deodorant, or;
 - Celeste Sani-Pak "SP-77080" germicidal deodorant, or;
 - Celeste Sani-Pak "SP-97000" germicidal deodorant, or;
 - Monochem T-5 N.F. Toilet Chemical germicidal deodorant, or;
 - Monochem DG-19 germicidal deodorant, or;
 - Honey Bee Deodorant 33 germicidal deodorant, or;
 - Aerofresh 35 germicidal deodorant.
- (5) NOTE: • The access door will close only if the waste drain valve is correctly closed.
• For complete cleaning and maintenance of the toilet unit, refer to the "Component Maintenance Manual - Toilet Assembly Basic P/N 4620-81 - Monogram Sanitation" publication.

Close waste-service-panel door 193MR. Refer to AMM MPP 06-41-01/100.

EFFECTIVITY: ACFT MODEL(S) EMB-135
Waste Disposal - Servicing
Figure 301


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