



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

WATER TANK - CLEANING/PAINTING

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to clean the potable water tank.
- 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).

<i>TASK NUMBER</i>	<i>DESCRIPTION</i>	<i>EFFECTIVITY</i>
38-10-01-100-801-A	WATER TANK - CLEANING	ALL



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TASK 38-10-01-100-801-A

EFFECTIVITY: ALL

2. WATER TANK - CLEANING

A. General

- (1) This task gives the procedure to clean the potable water tank.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 38-10-01-000-801-A/400	WATER TANK - REMOVAL
AMM TASK 38-10-01-400-801-A/400	WATER TANK - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193MR	Aft lower fairing
193	193NR	Aft lower fairing

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Commercially available	Household Vinegar (mild acidic solution with 5-15% Acetic Acid)	AR
Commercially available	Isopropyl Alcohol	AR
Commercially available	Acetone	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Water reservoir

I. Preparation

SUBTASK 841-002-A

CAUTION: OPEN THE WATER SERVICING DOOR CAREFULLY NOT TO DAMAGE IT.

- (1) Open access door 193MR or 193NR, as applicable (AMM MPP 06-41-01/100).

- (2) Remove the water tank ([AMM TASK 38-10-01-000-801-A/400](#)).

J. Clean Water Tank

SUBTASK 160-002-A

- (1) Do the procedure below to remove mineral deposits and stains from the potable water systems with accessible stains:

- (a) Flush the tank with clean tap water.
- (b) If you can easily get access to the area with deposits, put paper towels soaked with white vinegar (full strength) on it.
- (c) Let the solution in the area for 1 hour for complete saturation.
- (d) Flush the tank with clean tap water.

NOTE: Use a minimum of two full volumes of clean water to flush the water tank.

- (2) Do the procedure below to remove mineral deposits and stains from the potable water systems with not accessible stains:

- (a) Use clean tap water to flush the tank.
- (b) Warm an amount of white vinegar (full strength) equivalent to $\frac{1}{2}$ of the water tank full volume to 50°C (120°F).
- (c) Add the warm white vinegar to the tank.
- (d) Shake the tank to soak its walls and upper section with vinegar.
- (e) Let the vinegar in the tank for about 60 minutes to completely saturate the stains.
- (f) Shake the tank every 5-10 minutes to soak its walls and upper section with vinegar.
- (g) Pour the vinegar and discard it.
- (h) Add warm water at 50°C (120°F) to the tank and flush it completely.
- (i) Repeat the flushing process with cold water twice.

- (3) Do the procedure below to remove mineral deposits and stains from the outside of the potable water:

- (a) NOTE: Use isopropyl alcohol and a clean cloth to clean the outer area of the tank.

Moist the cloth with isopropyl alcohol or acetone and clean the sides, bottom and upper surfaces of the tank.

CAUTION: Do not let solvent evaporate on the tank.

- (b) After the damp cloth, use a dry cloth to dry the surface.



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K. Follow-on

SUBTASK 842-002-A

- (1) Install the water tank ([AMM TASK 38-10-01-400-801-A/400](#)).
- (2) Close access door 193MR or 193NR, as applicable (AMM MPP 06-41-01/100).