

WATER TANK - SERVICING

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to fill or drain the water tank.
- B. Access to the servicing panel is got through a door installed on the lower right side of the fuselage aft section.
- C. Where there are freezing or icing conditions, the water tank must be drained each day, after the last flight, for protection of the water system. During the parking period, drain the water system as applicable.
- 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).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
12-15-01-600-801-A	WATER TANK - FILLING	ALL
12-15-01-600-802-A	WATER TANK - DRAINING	ALL

TASK 12-15-01-600-801-A

EFFECTIVITY: ALL

2. WATER TANK - FILLING

A. General

- (1) The water tank contains clean, but non-drinkable (for hygiene purposes only), water.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-

C. Zones and Accesses

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

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 030	Servicing cart, water	To fill the tank with water	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Water servicing panel

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).

J. Toilet Water Servicing ([Figure 301](#)) ([Figure 302](#))

SUBTASK 610-002-A

- (1) Remove the protection caps from the water filling nipple and from the water overflow nipple.

CAUTION: DO NOT CONNECT THE HOSE OF THE WATER SERVICING CART TO THE WATER OVERFLOW NIPPLE. THERE IS A METAL STOP (TANG) INSTALLED ON THE WATER OVERFLOW NIPPLE.

- (2) Install the hose of the water servicing cart to the water filling nipple.

WARNING: USE ONLY POTABLE WATER TO FILL THE WATER TANK.

CAUTION: • FOR AIRCRAFT PRE-MOD SB 145-38-0001, THE MAXIMUM FILLING PRESSURE IS 25 PSIG AND THE MAXIMUM FILLING FLOW IS 50 LPM (13,2 GPM).

- FOR AIRCRAFT POST-MOD SB 145-38-0001, THE MAXIMUM FILLING PRESSURE IS 100 PSIG.

- (3) **NOTE:** EMBRAER recommends the use of hot water (temperature not exceeding 35°C) to prevent water re-freezing in the water lines.

Fill the tank until the water starts to flow out through the overflow nipple.

- (4) Remove the hose of the water servicing cart from the water filling nipple.

CAUTION: ALLOW ALL EXCESS WATER TO DRAIN OUT BEFORE YOU INSTALL THE PROTECTION CAPS.

- (5) Install the protection caps to the water filling nipple and to the water overflow nipple.

K. Follow-on

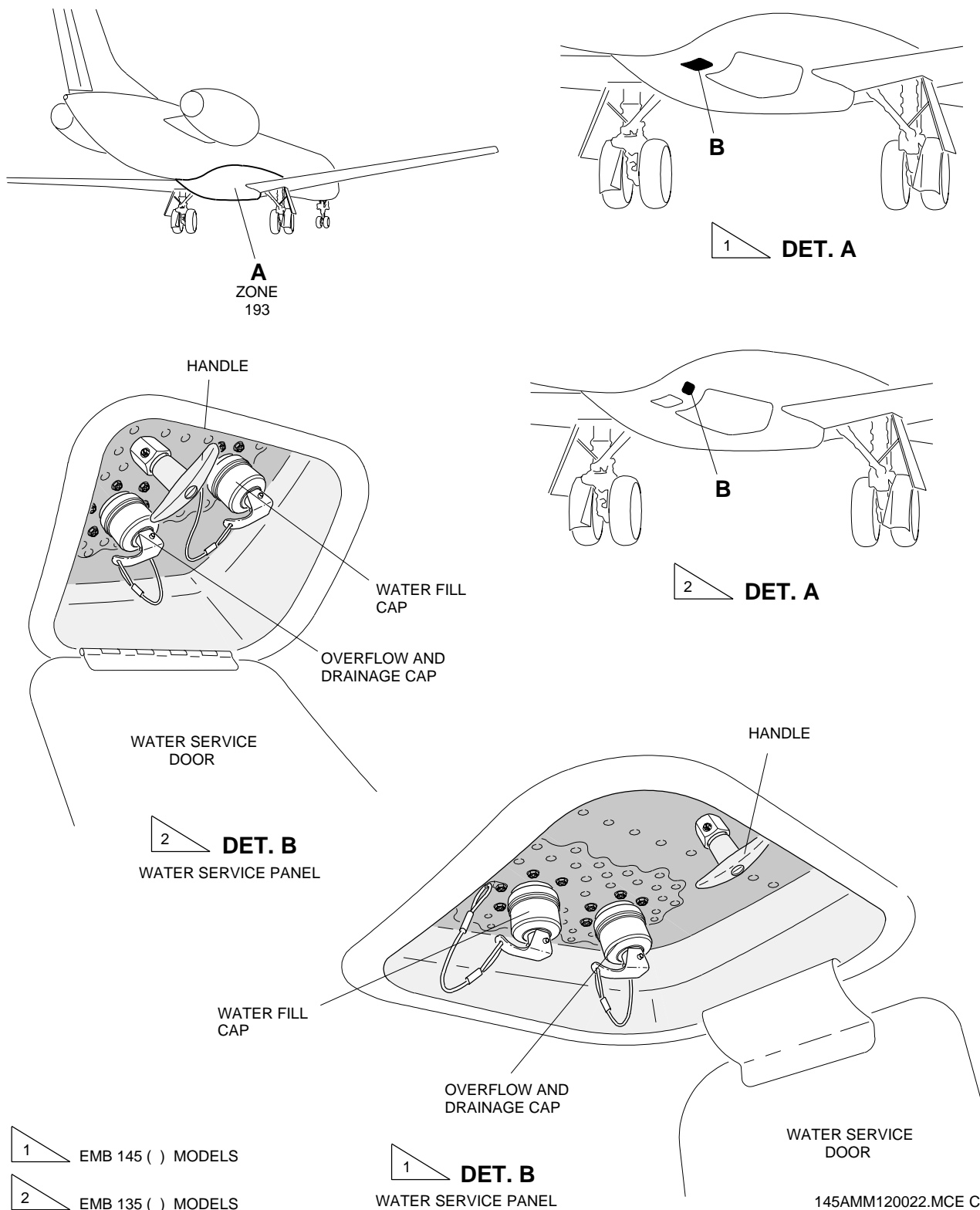
SUBTASK 842-002-A

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

EFFECTIVITY: PRE-MOD. SB 145-38-0002

Water Tank - Filling

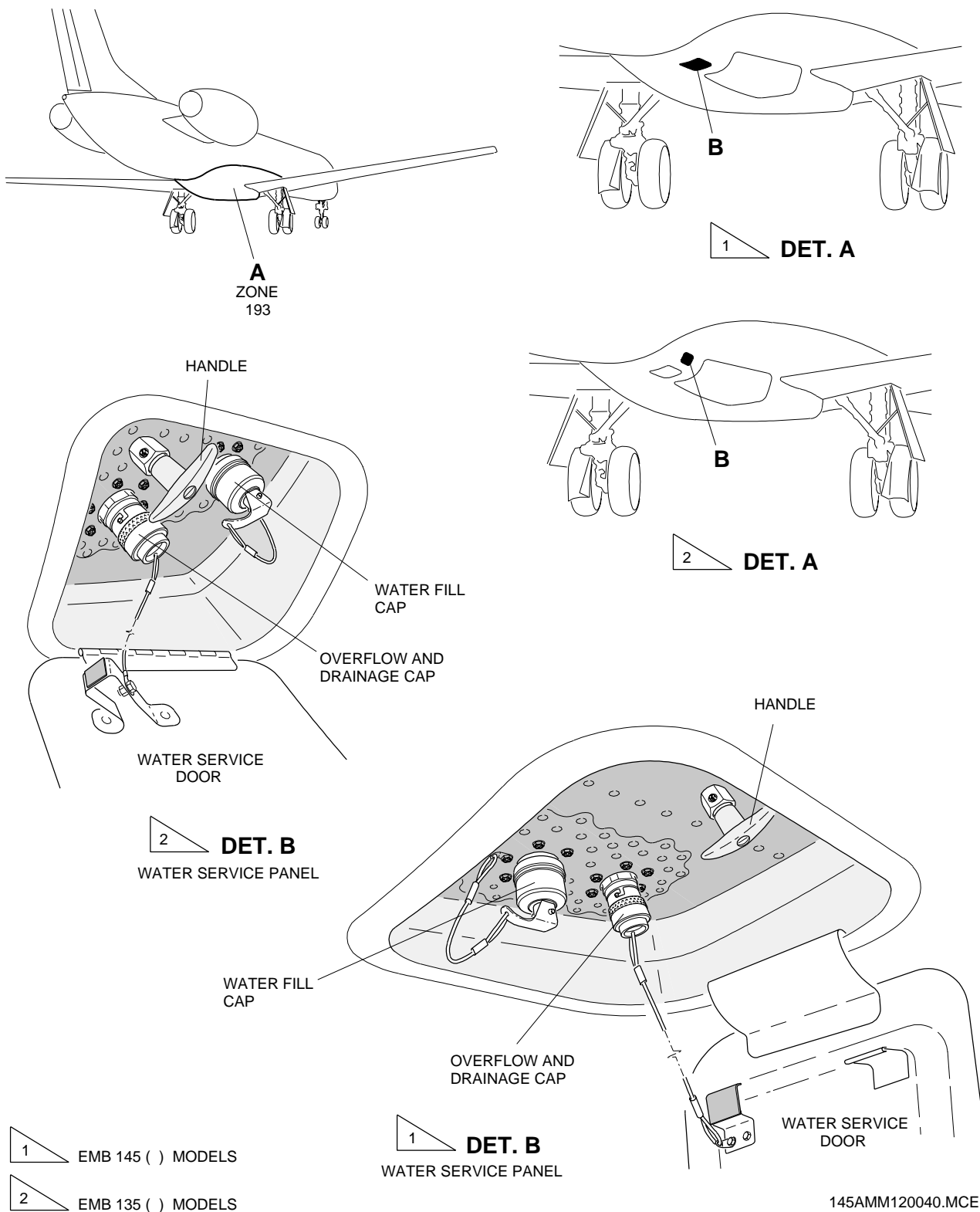
Figure 301



EFFECTIVITY: POST-MOD. SB 145-38-0002

Water Tank - Filling

Figure 302



TASK 12-15-01-600-802-A

EFFECTIVITY: ALL

3. WATER TANK - DRAINING

A. General

- (1) This task gives the procedure to drain the water tank.
- (2) Where there are freezing or icing conditions, during in the parking, the potable water system can freeze and the system can be damaged.
- (3) For parking period above water freezing time, drain the water tank or keep the aircraft energized.
 - (a) For temperature below - 11°C (12.2°F), it is recommendable to drain the water tank system.
 - (b) After the water filling operation, in freezing or icing conditions, it is recommendable to keep the water system energized.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-

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

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Hose	To drain the water from the tank	

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Water servicing panel

I. Preparation

SUBTASK 841-005-A

- (1) Open access door 193M or 193NR (AMM MPP 06-41-01/100).

J. Water Tank Draining (Figure 301) (Figure 302)

SUBTASK 680-002-A

- (1) Remove the protection caps from the water filling nipple and from the water overflow nipple.
- (2) Install the hose at the water overflow nipple.
- (3) Pull the handle to the open position.
- (4) Drain the potable water system until the flow of water from the water overflow nipple stops.
- (5) Push the handle to the closed position.
- (6) Remove the hose from the water overflow nipple.

CAUTION: LET ALL EXCESS WATER DRAIN OUT BEFORE YOU INSTALL THE PROTECTION CAPS.

- (7) Install the protection caps at the water filling nipple and water overflow nipple.

K. Follow-on

SUBTASK 842-005-A

- (1) Close access door 193MR or 193NR (AMM MPP 06-41-01/100).

