

## WATER-TANK FILL AND OVERFLOW LINES - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-135

### 1. General

- A. This section gives the procedures for the removal/installation of the water-tank fill and overflow lines.
- 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
38-10-07-000-802-A	WATER-TANK FILL AND OVERFLOW LINES - REMOVAL	ACFT MODEL(S) EMB-135
38-10-07-400-802-A	WATER-TANK FILL AND OVERFLOW LINES - INSTALLATION	ACFT MODEL(S) EMB-135

TASK 38-10-07-000-802-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

## 2. WATER-TANK FILL AND OVERFLOW LINES - REMOVAL

### A. General

- (1) This task gives the procedure for the removal of the water-tank fill and overflow lines.
- (2) To get access to the water-tank fill and overflow lines, you must remove:
  - the baggage compartment floor lining and the baggage compartment floor panel on the right hand near the passenger cabin/baggage compartment partition.
  - the plumbing access panels at the bottom of the washbasin cabinet and the passenger cabin/baggage compartment partition.
  - the toilet shroud assembly and the toilet unit.
  - the amenity dispenser assembly.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
AMM TASK 25-26-09-000-801-A/400	-
AMM TASK 25-40-01-000-801-A/400	-
<a href="#">AMM TASK 25-40-04-000-801-A/400</a>	TOILET SHROUD ASSEMBLY - REMOVAL
<a href="#">AMM TASK 25-51-04-000-801-A/400</a>	BAGGAGE-COMPARTMENT FLOOR LINING - REMOVAL
<a href="#">AMM TASK 38-32-01-000-801-A/400</a>	TOILET UNIT - REMOVAL

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
262	262BF	Passenger cabin floor
272	272AF	Baggage compartment floor

### D. Tools and Equipment

Not Applicable

### 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	Lavatory

I. Preparation

**SUBTASK 841-018-A**

- (1) Make sure the water tank is empty.
- (2) Preparation for the removal of the water-tank fill and overflow lines lower section:
  - (a) Remove the baggage compartment floor lining ( [AMM TASK 25-51-04-000-801-A/400](#)).
  - (b) Remove RH AFT Stowage Bin Stowage (AMM TASK 25-26-09-000-801-A/400).
  - (c) Remove baggage compartment floor 272AF (AMM MPP 06-41-02/100) and cabin floor panel 262BF (AMM MPP 06-41-02/100).
- (3) Preparation for the removal of the water-tank fill and overflow lines mid section:
  - (a) Remove the plumbing access panels at the bottom of the washbasin cabinet and the passenger cabin/baggage compartment partition (AMM TASK 25-40-01-000-801-A/400).
  - (b) Remove the toilet shroud assembly ( [AMM TASK 25-40-04-000-801-A/400](#)).
  - (c) Remove the toilet unit ( [AMM TASK 38-32-01-000-801-A/400](#)).
- (4) Preparation for the removal of the water-tank fill and overflow lines upper section:
  - (a) Remove the plumbing access panel at the bottom of the washbasin cabinet (AMM TASK 25-40-01-000-801-A/400).
  - (b) Remove the amenity dispenser assembly (AMM TASK 25-40-01-000-801-A/400).
  - (c) Open the fire extinguisher door (AMM TASK 25-40-01-000-801-A/400).

J. Removal ([Figure 401](#)) ([Figure 402](#))

**SUBTASK 020-019-A**

- (1) Removal of the water-tank fill and overflow lines lower section:
  - (a) Get access through the baggage compartment floor and loosen the nuts of the fill line lower section (16) and overflow line lower section 2 (17) connections with the heated nipples (Ref.).
  - (b) Refer to DET. C and remove the screw (1), washer (2), spacer (3), and clamp (4).
  - (c) Loosen the nuts of the fill line lower section (16) and overflow line lower section 1 (18) connections with the elbows (13).
  - (d) Remove the water-tank fill line lower section (16).

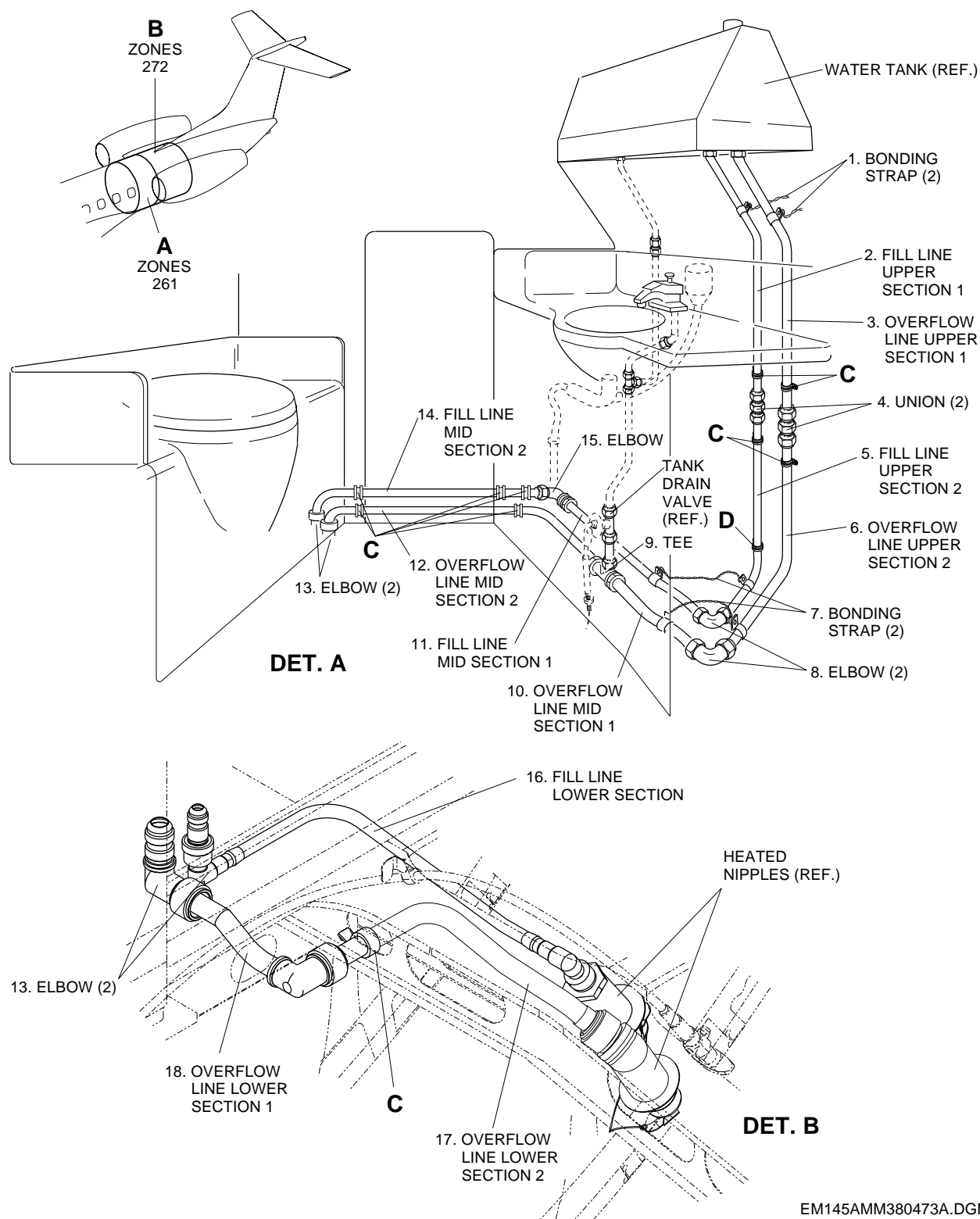
- (e) Loosen the nut of the overflow line lower section 2 (17) connection with the overflow line lower section 1 (18).
  - (f) Remove the water-tank overflow line lower sections 1 (18) and 2 (17).
- (2) Removal of the water-tank fill and overflow lines mid section:
- (a) Loosen the nuts of the fill (14) and overflow (12) line mid section 2 connections with the elbows (13).
  - (b) Refer to DET. C and remove the screws (1), washers (2), spacers (3), and clamps (4) from all attachment points.
  - (c) Loosen the nut of the fill line mid section 2 (14) connection with the elbow (15).
  - (d) Remove the fill line mid section 2 (14).
  - (e) Loosen the nut of the overflow line mid section 2 (12) connection with the tee (9).
  - (f) Remove the overflow line mid section 2 (12).
  - (g) Loosen the nut of the elbow (15) connection with the fill line mid section 1 (11) and remove the elbow (15).
  - (h) Loosen the nuts of the tee (9) connections with the tank-drain valve (Ref.) and the overflow line mid section 1 (10) and remove the tee (9).
  - (i) Loosen the screws and nuts and remove the bonding straps (7).
  - (j) Loosen the nuts of the fill (11) and overflow (10) line mid section 1 connections with the elbows (8).
  - (k) Remove the fill (11) and overflow (10) lines mid section 1.
- (3) Removal of the water-tank fill and overflow lines upper section:
- (a) Loosen the nuts of the fill (5) and overflow (6) line upper section 2 connections with the elbows (8).
  - (b) Remove the elbows (8).
  - (c) Refer to DET. D and remove the screw (5), washer (6), clamp (9), and clip nut (7) from the bracket (8).
  - (d) Get access through the fire extinguisher door and remove the screws (1), washers (2), spacers (3), and clamps (4) from all attachment points (DET. C).
  - (e) Loosen the nuts of the fill (5) and overflow (6) line upper section 2 connections with the unions (4).
  - (f) Remove the fill (5) and overflow (6) lines upper section 2.
  - (g) Loosen the nuts of the fill (2) and overflow (3) line upper section 1 connections with the unions (4).
  - (h) Remove the unions (4).

- (i) Loosen the screws and nuts and remove the bonding straps (1).
- (j) Loosen the nuts of the fill (2) and overflow (3) line upper section 1 connections with the water tank (Ref.).
- (k) Remove the fill (2) and overflow (3) lines upper section 1.

EFFECTIVITY: 145/339

Water-Tank Fill and Overflow Lines - Removal/Installation

Figure 401 - Sheet 1

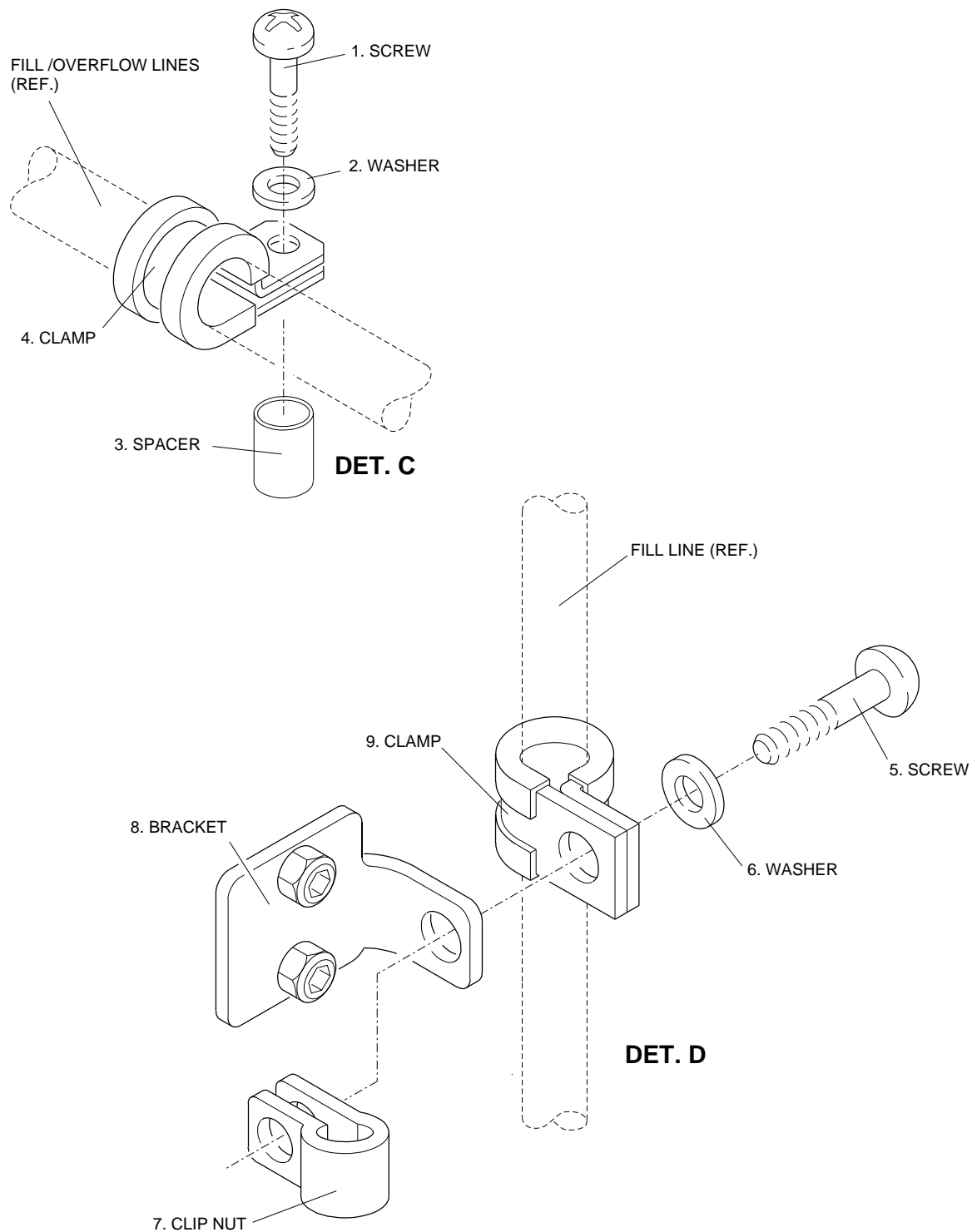


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EFFECTIVITY: 145/339

Water-Tank Fill and Overflow Lines - Removal/Installation

Figure 401 - Sheet 2

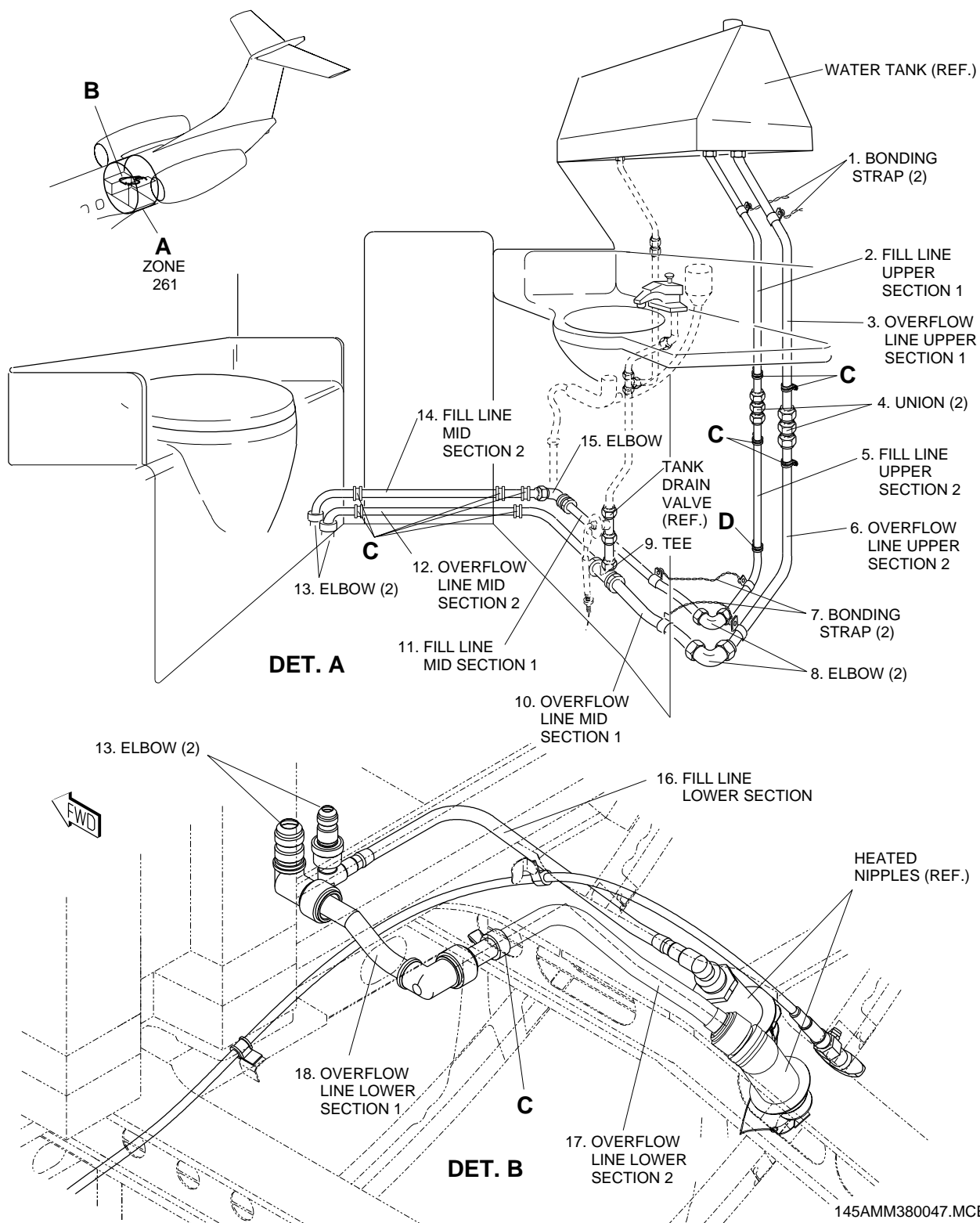


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EFFECTIVITY: 340/800

Water-Tank Fill and Overflow Lines - Removal/Installation

Figure 402 - Sheet 1

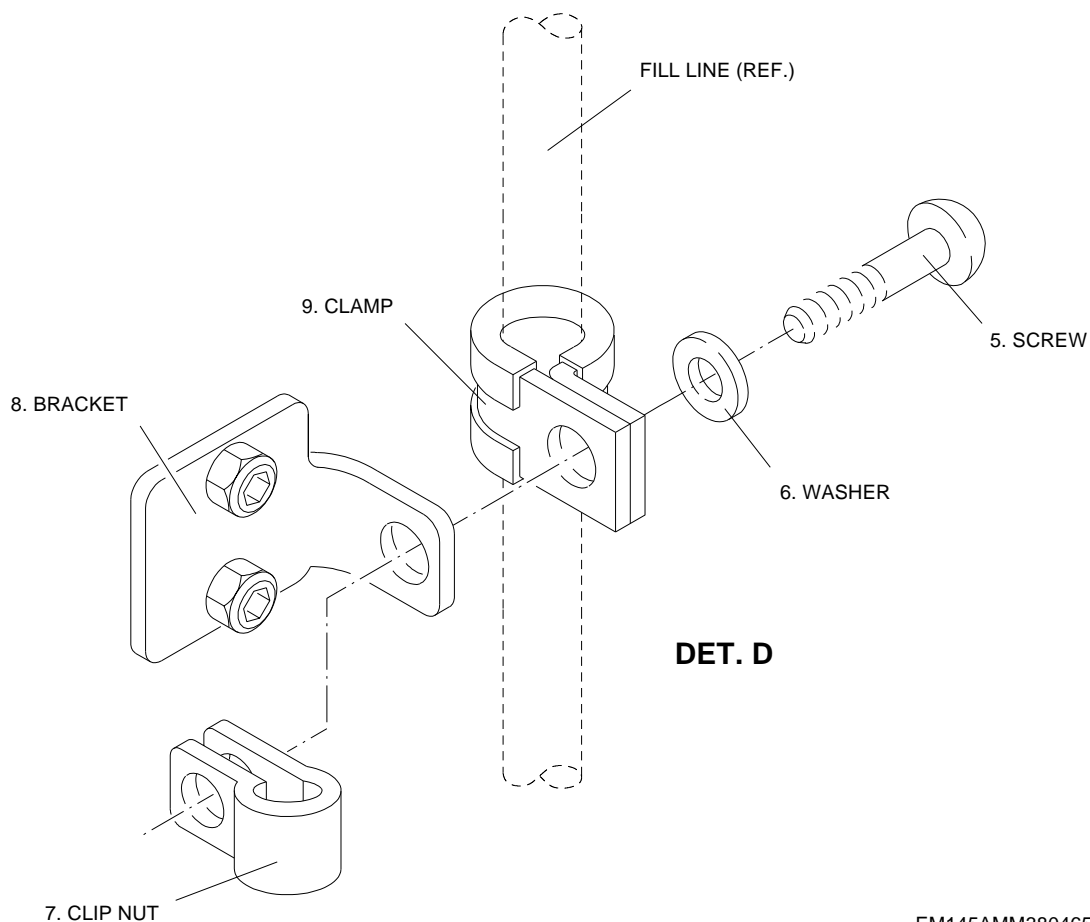
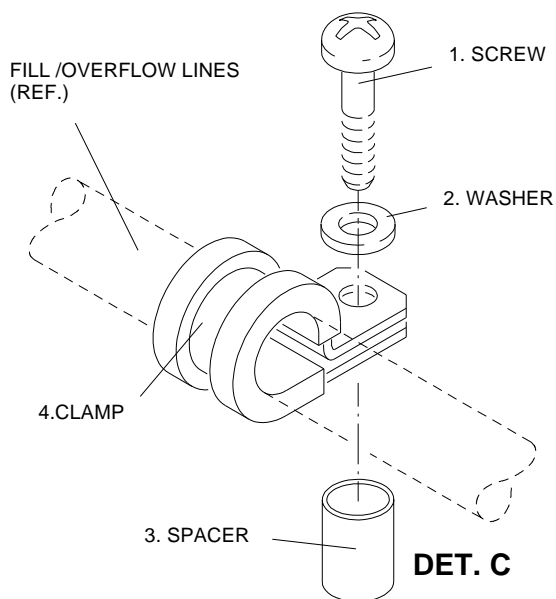




EFFECTIVITY: 340/800

Water-Tank Fill and Overflow Lines - Removal/Installation

Figure 402 - Sheet 2



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TASK 38-10-07-400-802-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

### 3. WATER-TANK FILL AND OVERFLOW LINES - INSTALLATION

#### A. General

(1) This task gives the procedure for the installation of the water-tank fill and overflow lines.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
<a href="#">AMM TASK 12-15-01-600-801-A/300</a>	WATER TANK - FILLING
AMM TASK 25-26-09-400-801-A/400	-
AMM TASK 25-40-01-400-801-A/400	-
<a href="#">AMM TASK 25-40-04-400-801-A/400</a>	TOILET SHROUD ASSEMBLY - INSTALLATION
<a href="#">AMM TASK 25-51-04-400-801-A/400</a>	BAGGAGE-COMPARTMENT FLOOR LINING - INSTALLATION
AMM TASK 28-41-00-200-801-A/600	-
<a href="#">AMM TASK 38-32-01-400-801-A/400</a>	TOILET UNIT - INSTALLATION

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
262	262BF	Passenger cabin floor
272	272AF	Baggage compartment floor

#### D. Tools and Equipment

Not Applicable

#### 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	Lavatory

#### I. Installation (Figure 401) (Figure 402)

**SUBTASK 420-019-A**

(1) Installation of the water-tank fill and overflow lines upper section:

- (a) Put the fill (2) and overflow (3) lines upper section 1 in the installation position.
  - (b) Tighten the nuts of the fill (2) and overflow (3) line upper section 1 connections with the water tank (Ref.).
  - (c) Install the bonding straps (1) and tighten the screws and nuts.
  - (d) Install the unions (4).
  - (e) Tighten the nuts of the fill (2) and overflow (3) line upper section 1 connections with the unions (4).
  - (f) Put the fill (5) and overflow (6) lines upper section 2 in the installation position.
  - (g) Tighten the nuts of the fill (5) and overflow (6) line upper section 2 connections with the unions (4).
  - (h) Get access through the fire extinguisher door and install the screws (1), washers (2), spacers (3), and clamps (4) in all attachment points (DET. C).
  - (i) Refer to DET. D and install the screw (5), washer (6), clamp (9), and clip nut (7) in the bracket (8).
  - (j) Install the elbows (8).
  - (k) Tighten the nuts of the fill (5) and overflow (6) line upper section 2 connections with the elbows (8).
- (2) Installation of the water-tank fill and overflow lines mid section:
- (a) Put the fill (11) and overflow (10) lines mid section 1 in the installation position.
  - (b) Tighten the nuts of the fill (11) and overflow (10) line mid section 1 connections with the elbows (8).
  - (c) Install the bonding straps (7) and tighten the screws and nuts.
  - (d) Install the tee (9) and tighten the nuts of the tee (9) connections with the tank-drain valve (Ref.) and the overflow line mid section 1 (10).
  - (e) Install the elbow (15) and tighten the nut of the elbow (15) connection with the fill line mid section 1 (11).
  - (f) Put the overflow line mid section 2 (12) in the installation position.
  - (g) Tighten the nut of the overflow line mid section 2 (12) connection with the tee (9).
  - (h) Put the fill line mid section 2 (14) in the installation position.
  - (i) Tighten the nut of the fill line mid section 2 (14) connection with the elbow (15).
  - (j) Refer to DET. C and install the screws (1), washers (2), spacers (3), and clamps (4) in all attachment points.
  - (k) Tighten the nuts of the fill (14) and overflow (12) line mid section 2 connections with the elbows (13).

- (3) Installation of the water-tank fill and overflow lines lower section:
  - (a) Put the water-tank fill line lower section (16), and overflow line lower sections 1 (18) and 2 (17) in the installation position.
  - (b) Tighten the nut of the overflow line lower section 2 (17) connection with the overflow line lower section 1 (18).
  - (c) Tighten the nuts of the fill line lower section (16) and overflow line lower section 1 (18) connections with the elbows (13).
  - (d) Tighten the nuts of the fill line lower section (16) and overflow line lower section 2 (17) connections with the heated nipples (Ref.).
  - (e) Refer to DET. C and install the screw (1), washer (2), spacer (3), and clamp (4).

J. Follow-on

**SUBTASK 842-018-A**

- (1) Fill the water tank ( [AMM TASK 12-15-01-600-801-A/300](#)).
- (2) Visually inspect the water-tank fill and overflow lines for leakage.
- (3) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

**NOTE:** The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Maintenance Review Board Report (MRB).

- (4) Follow-on for the installation of the water-tank fill and overflow lines lower section:
  - (a) Install baggage compartment floor 272AF (AMM MPP 06-41-02/100) and cabin floor panel 262BF (AMM MPP 06-41-02/100).
  - (b) Install RH AFT Stowage Bin Stowage (AMM TASK 25-26-09-400-801-A/400).
  - (c) Install the baggage compartment floor lining ( [AMM TASK 25-51-04-400-801-A/400](#)).
- (5) Follow-on for the installation of the water-tank fill and overflow lines mid section:
  - (a) Install the toilet unit ( [AMM TASK 38-32-01-400-801-A/400](#)).
  - (b) Install the plumbing access panels at the bottom of the washbasin cabinet and the passenger cabin/baggage compartment partition (AMM TASK 25-40-01-400-801-A/400).
  - (c) Install the toilet shroud assembly ( [AMM TASK 25-40-04-400-801-A/400](#)).
- (6) Follow-on for the installation of the water-tank fill and overflow lines upper section:
  - (a) Install the plumbing access panel at the bottom of the washbasin cabinet (AMM TASK 25-40-01-400-801-A/400).
  - (b) Install the amenity dispenser assembly (AMM TASK 25-40-01-400-801-A/400).

- (c) Close the fire extinguisher door (AMM TASK 25-40-01-400-801-A/400).

