

## WASHBASIN HEATED DRAIN - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-145

### 1. General

- A. This section gives the procedures for the removal/installation of the washbasin heated drain.
- 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
38-33-05-000-801-A	WASHBASIN HEATED DRAIN - REMOVAL	ACFT MODEL(S) EMB-145
38-33-05-400-801-A	WASHBASIN HEATED DRAIN - INSTALLATION	ACFT MODEL(S) EMB-145

TASK 38-33-05-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

## 2. WASHBASIN HEATED DRAIN - REMOVAL

### A. General

(1) This task gives the procedures to removal the washbasin heated drain.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
AMM SDS 52-30-00/1	
AMM TASK 25-50-04-000-802-A/400	-
AMM TASK 53-01-03-000-801-A/400	BAGGAGE-COMPARTMENT FLOOR PANELS - REMOVAL
SRM 51-40-02	-
TASK 25-26-07-000-802-A	-

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
271	271AF	Baggage compartment

### D. Tools and Equipment

Not Applicable

### E. Auxiliary Items

Not Applicable

### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS-2014218-5	Rivet	AR
RTV 780	Sealant, silicone, white, type II, class A	AR
ASTM-D-4040	Methyl-Ethyl-Ketone (MEK)	AR
MIL-C-5541	Alodine No. 1200S	AR

### G. Expandable Parts

Not Applicable

### H. Persons Recommended

QTY	FUNCTION	PLACE
1	A - Does the task	Lavatory
1	B - Helps technician A	Lavatory

I. Preparation

*SUBTASK 841-011-A*

- (1) On the overhead panel, open the LAVATORY DRAIN HEATERS circuit breaker and attach a DO-NOT-CLOSE tag from it.
- (2) Open the baggage compartment door [AMM SDS 52-30-00/1](#).
- (3) Remove the floor panel 271AF ( [AMM TASK 53-01-03-000-801-A/400](#)) (AMM MPP 06-41-02/100).
- (4) Remove the trolley stowage unit (TASK 25-26-07-000-802-A), if applicable.
- (5) Remove the ramp assembly (AMM TASK 25-50-04-000-802-A/400), if applicable.

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

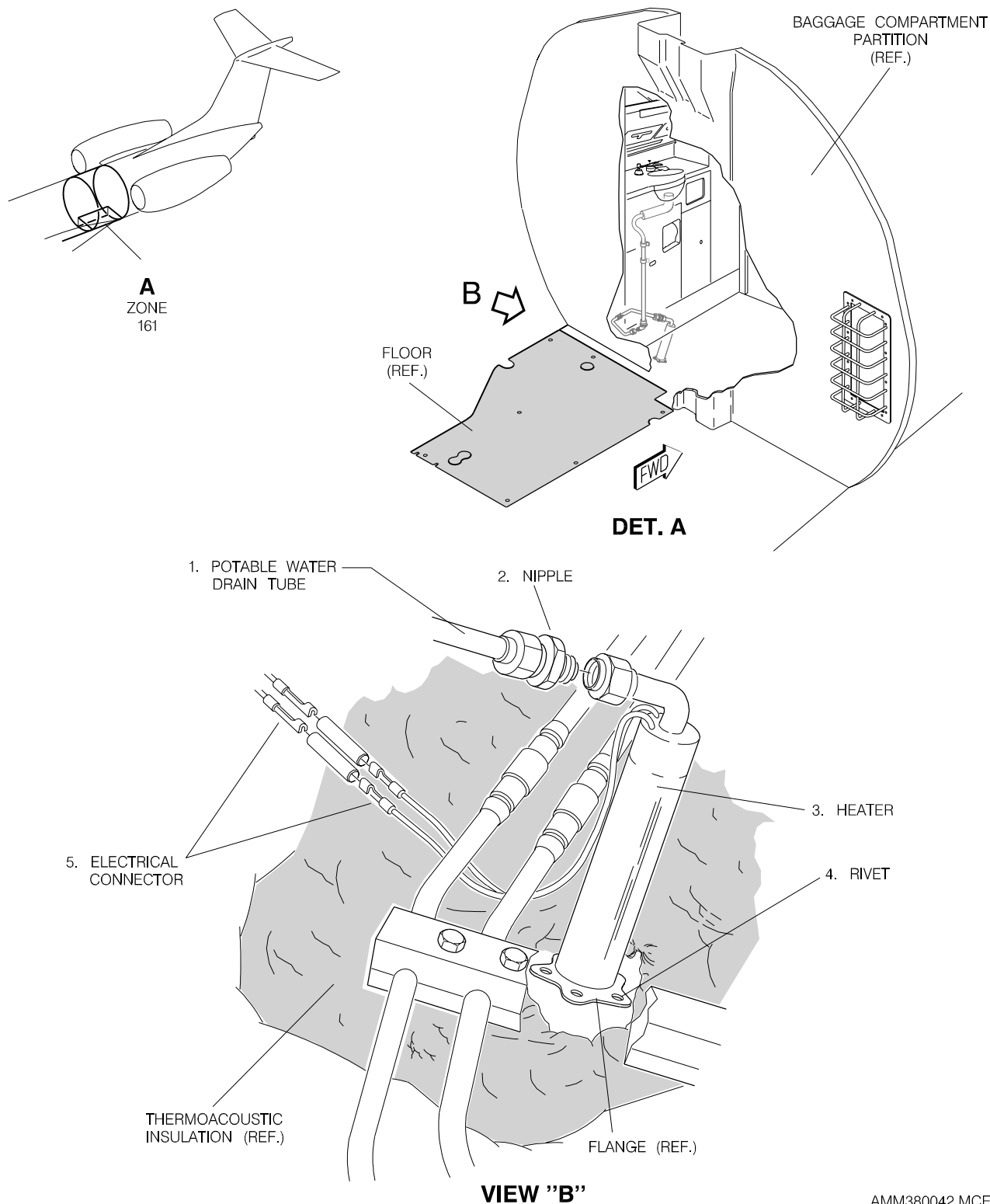
*SUBTASK 020-011-A*

- (1) Loosen the nipple (2) that attaches the heater (3) to the potable water drain tube (1).
- (2) Disconnect the electrical connector (5).
- (3) To get access, open the thermoacoustic insulation pads, only around the heater (3).
- (4) Remove the old sealant with a plastic scraper applied around the heater.
- (5) Remove the rivets (4) SRM 51-40-02.
- (6) Remove the heater (3).
- (7) Clean the surface with a cloth soaked in the MEK.

EFFECTIVITY: AIRCRAFT WITHOUT TROLLEY STOWAGE UNIT AND RAMP ASSEMBLY

Washbasin Heated Drain - Removal/Installation

Figure 401

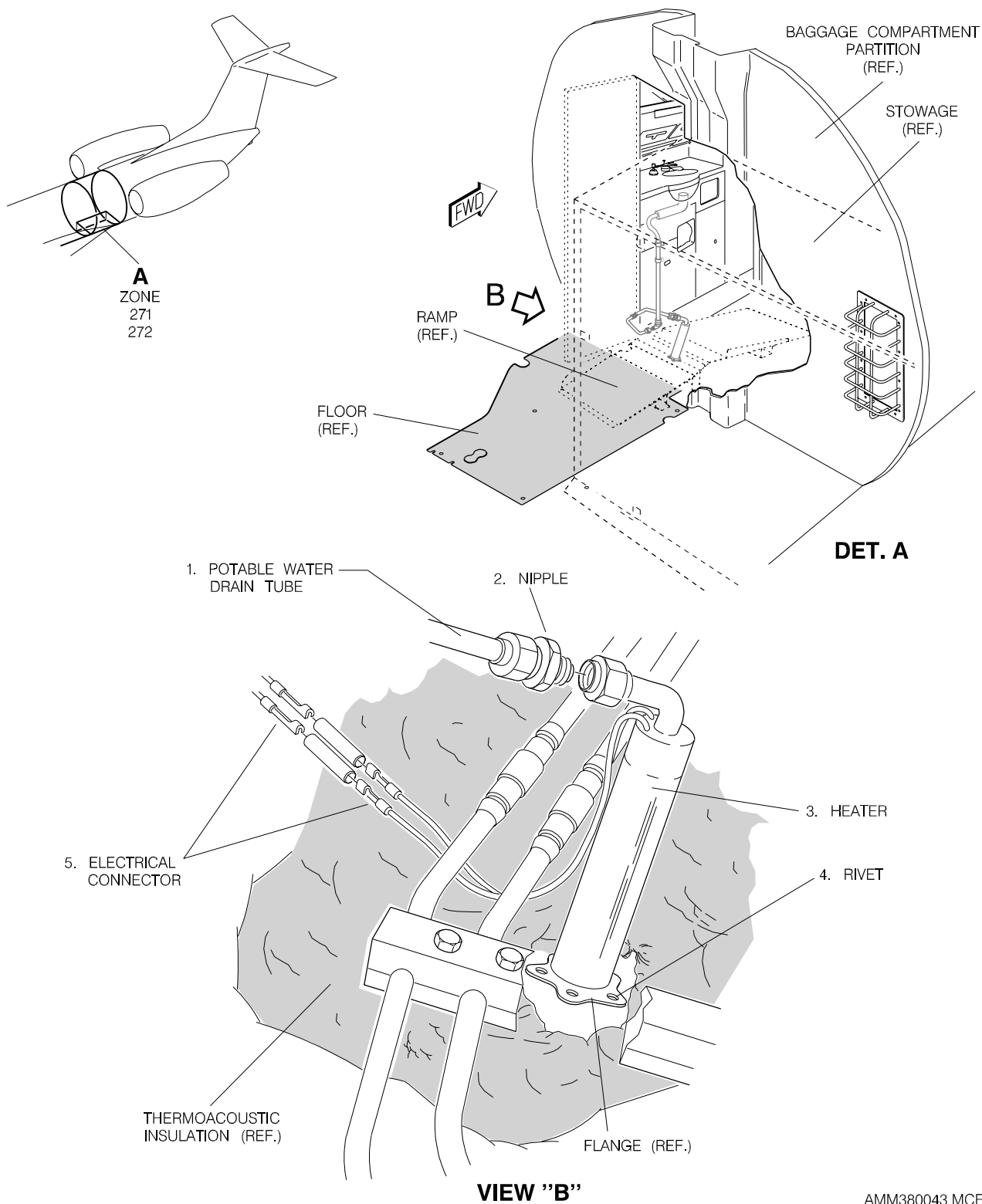


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EFFECTIVITY: AIRCRAFT WITH TROLLEY STOWAGE UNIT AND RAMP ASSEMBLY

Washbasin Heated Drain - Removal/Installation

Figure 402



AMM380043.MCE

TASK 38-33-05-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

### 3. WASHBASIN HEATED DRAIN - INSTALLATION

#### A. General

(1) This task gives the procedures for the installation of the washbasin heated drain.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
AMM TASK 25-50-04-400-802-A/400	-
<a href="#">AMM TASK 53-01-03-400-801-A/400</a>	BAGGAGE-COMPARTMENT FLOOR PANELS - INSTALLATION
CPM 51-21-04	-
SRM 51-20-01	-
SRM 51-40-02	-
TASK 25-26-07-400-802-A	-

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
271	271AF	Baggage compartment

#### D. Tools and Equipment

Not Applicable

#### E. Auxiliary Items

Not Applicable

#### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS-2014218-5	Rivet	AR
RTV 780	Sealant, silicone, white, type II, class A	AR
ASTM-D-4040	Methyl-Ethyl-Ketone (MEK)	AR
MIL-C-5541	Alodine No. 1200S	AR

#### G. Expandable Parts

Not Applicable

#### H. Persons Recommended

QTY	FUNCTION	PLACE
1	A - Does the task	Lavatory
1	B - Helps technician A	Lavatory

I. Installation (Figure 401) (Figure 402)

*SUBTASK 420-011-A*

- (1) Apply Alodine in to the holes. Refer to CPM 51-21-04.
- (2) Put the heater (3) in its original position.
- (3) Attach the heater (3) to the fuselage skin with rivets (4). Refer to SRM 51-40-02.
- (4) Tighten the nipple (2) that attaches the heater (3) to the potable water drain tube (1).
- (5) Clean the surface with a cloth soaked in MEK. Use a brush to clean around the flange and rivets.
- (6) Dry the surface with a clean cloth.

**CAUTION:** DO NOT TOUCH THE CLEANED SURFACE WITH A BARE HAND OR THE NEW SEALANT WILL NOT BOND SATISFACTORILY. USE GLOVES IF IT IS NECESSARY TO TOUCH THE SURFACE.

- (7) Apply the sealant around the flange and on the rivets. Refer to SRM 51-20-01.
- (8) Connect the electrical connector (5).
- (9) After the sealant curing, close the thermoacoustic insulation pads.

J. Follow-on

*SUBTASK 842-011-A*

- (1) Check the heater and the nipple for leaks.
- (2) On the overhead panel, close the LAVATORY DRAIN HEATERS circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (3) Install the floor panel 271AF ( [AMM TASK 53-01-03-400-801-A/400](#)) (AMM MPP 06-41-02/100).
- (4) If you removed the trolley stowage unit, install it again (TASK 25-26-07-400-802-A).
- (5) If you removed the ramp assembly, install it again (AMM TASK 25-50-04-400-802-A/400).

