



AIRCRAFT MAINTENANCE MANUAL

WASHBASIN HEATED DRAIN - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-135

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
38-33-05-000-804-A	WASHBASIN HEATED DRAIN - REMOVAL	ACFT MODEL(S) EMB-135
38-33-05-400-804-A	WASHBASIN HEATED DRAIN - INSTALLA- TION	ACFT MODEL(S) EMB-135



EMB145 – EMB135

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TASK 38-33-05-000-804-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

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 53-01-03-000-801-A/400	BAGGAGE-COMPARTMENT FLOOR PANELS - REMOVAL
SRM 51-40-02	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193AL	Rear wing-to-fuselage fairing
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



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I. Preparation

SUBTASK 841-012-A

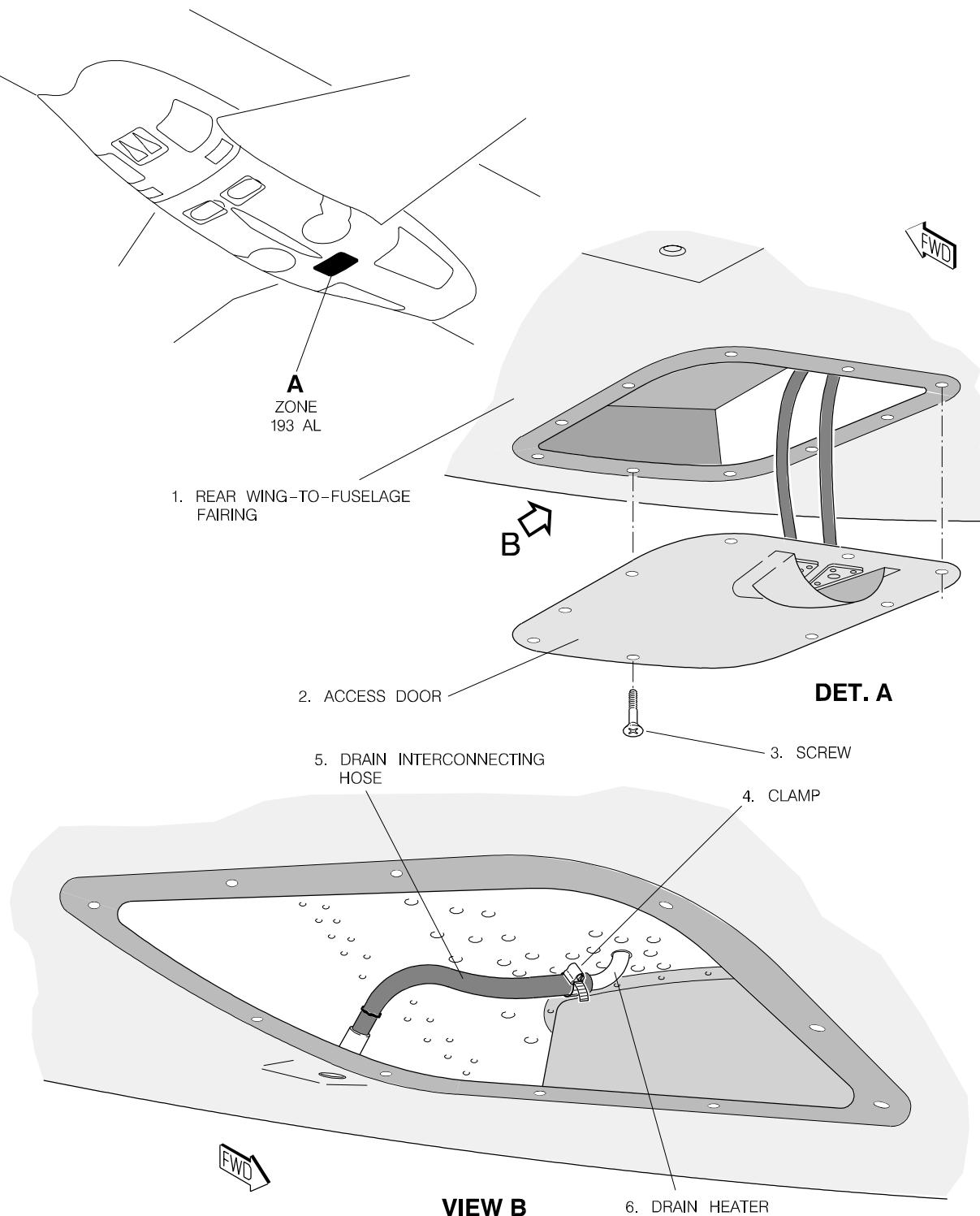
- (1) On the overhead panel, open the LAVATORY DRAIN HEATERS circuit breaker and attach a DO-NOT-CLOSE tag from it.
- (2) Open the baggage compartment door ([AMM SDS 52-30-00/1](#)).
- (3) Remove the floor panel 271AF ([AMM TASK 53-01-03-000-801-A/400](#)) (AMM MPP 06-41-02/100).

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

SUBTASK 020-012-A

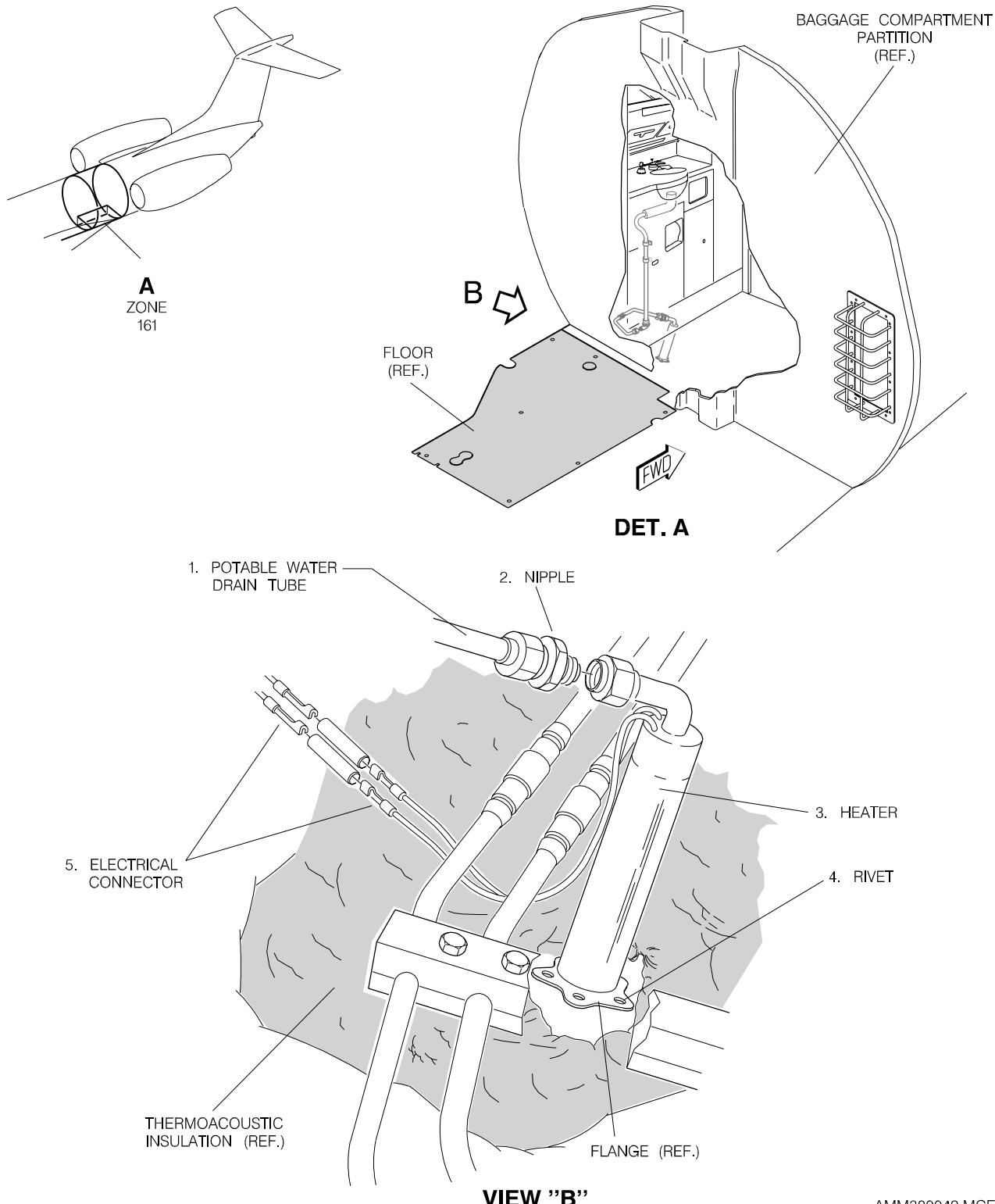
- (1) Remove the screws (3) that attach the access door (2) to the rear wing-to-fuselage fairing (1). Refer to DET A, Figure 401.
- (2) Loosen the clamp (4) that attach the drain interconnection hose (5) to the drain heater (6). Refer to VIEW B, Figure 401.
- (3) Loosen the nipple (2) that attaches the heater (3) to the potable water drain tube (1). Refer to VIEW B, Figure 402.
- (4) Disconnect the electrical connector (5). Refer to VIEW B, Figure 402.
- (5) To get access, open the thermoacoustic insulation pads, only around the heater (3). Refer to VIEW B, Figure 402.
- (6) Remove the old sealant with a plastic scraper applied around the heater.
- (7) Remove the rivets (4) SRM 51-40-02. Refer to VIEW B, Figure 402.
- (8) Remove the heater (3). Refer to VIEW B, Figure 402.
- (9) Clean the surface with a cloth soaked in the MEK.

EFFECTIVITY: ACFT MODEL(S) EMB-135
 Drain Interconnecting Hose - Removal/Installation
 Figure 401



AMM380045.MCE

EFFECTIVITY: ACFT MODEL(S) EMB-135
Washbasin Heated Drain - Removal/Installation
Figure 402



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TASK 38-33-05-400-804-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

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 53-01-03-400-801-A/400	BAGGAGE-COMPARTMENT FLOOR PANELS - INSTALLATION
CPM 51-21-04	-
SRM 51-20-01	-
SRM 51-40-02	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193AL	Rear wing-to-fuselage fairing
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 420-012-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.
- (10) Tighten the clamp (4) that attaches the drain interconnecting hose (5) to the drain heater (6). Refer to VIEW B, Figure 401.
- (11) Put the access door (2) in position and tighten the screws (3) that attach the access door (2) to the rear wing-to-fuselage fairing (1). Refer to DET A, Figure 401.

J. Follow-on

SUBTASK 842-012-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).

