



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

HEATED NIPPLES - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-135

1. General

- A. This section gives the procedures to remove/install the heated nipples.
- B. There are two heated nipples in the water system:
 - The water fill nipple and the water overflow nipple.
- C. The heaters are installed on the water fill nipple and on the water overflow nipple. Their function is to keep these points heated to prevent clogging when the water freezes.
- D. The heated nipple includes a metal flanged tube with an electrical heating blanket around it.
- E. 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
38-10-04-000-802-A	HEATED NIPPLES - REMOVAL	ACFT MODEL(S) EMB-135
38-10-04-400-802-A	HEATED NIPPLES - INSTALLATION	ACFT MODEL(S) EMB-135



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TASK 38-10-04-000-802-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

2. HEATED NIPPLES - REMOVAL

A. General

- (1) This task gives the procedure to remove the heated water fill nipple and the heated water overflow nipple.
- (2) To get access to the heated water fill nipple and to the heated water overflow nipple, you must remove the baggage compartment floor lining and the baggage compartment floor panel from that area, and open the water service-panel door.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
AMM TASK 25-51-04-000-801-A/400	BAGGAGE-COMPARTMENT FLOOR LINING - REMOVAL
S.B.145-38-0002	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193NR	Rear wing-to-fuselage fairing
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	Under the baggage compartment floor

I. Preparation

SUBTASK 841-011-A

- (1) Make sure the water tank is empty.
- (2) Remove the baggage-compartment floor lining ([AMM TASK 25-51-04-000-801-A/400](#)).



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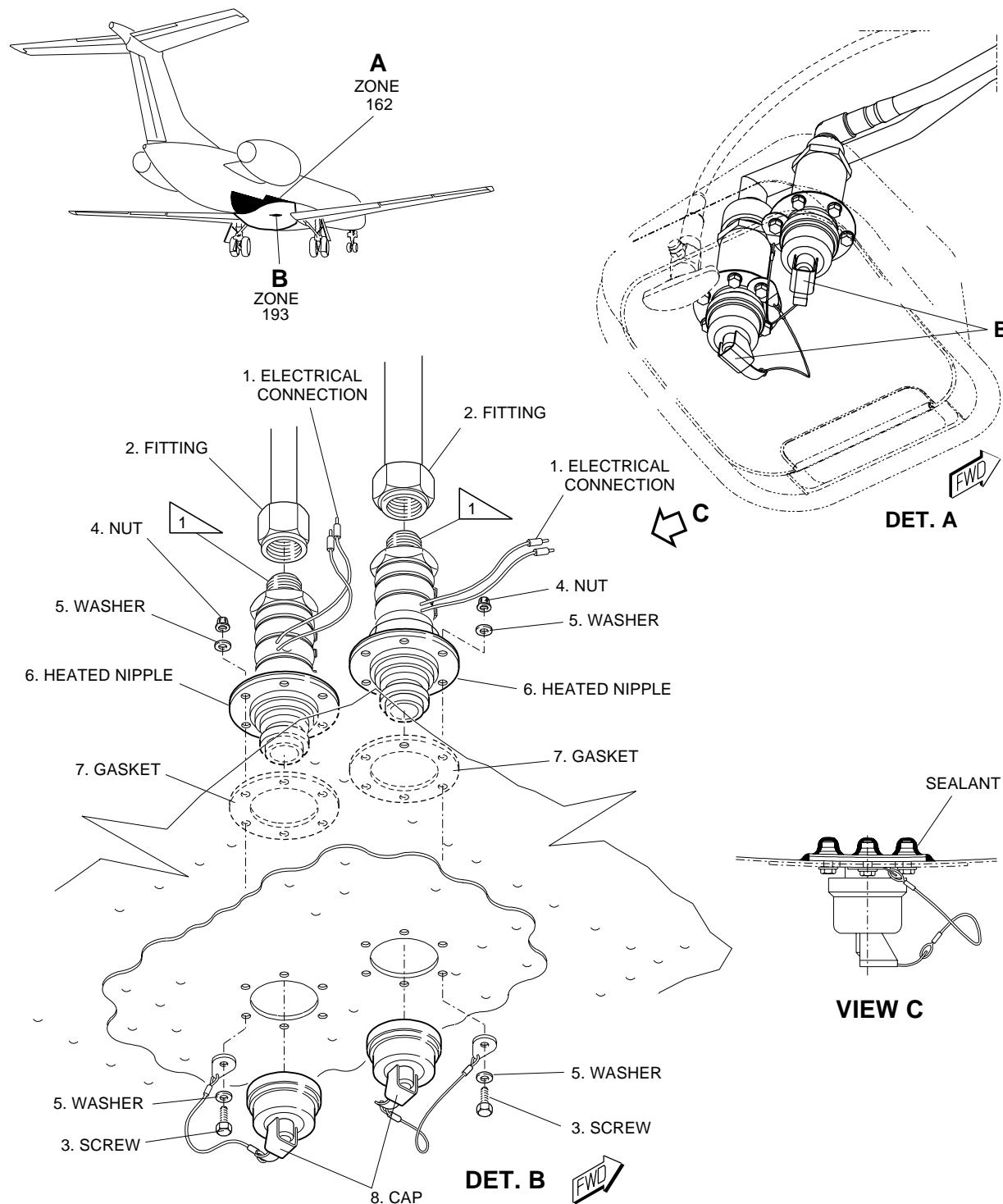
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- (3) Remove baggage-compartment floor panel 272AF (AMM MPP 06-41-02/100).
- (4) Open water service-panel door 193NR (AMM MPP 06-41-01/100).

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

SUBTASK 020-011-A

- (1) Release the electrical connections (1).
- (2) Disconnect the heated nipple fittings (2).
- (3) Remove the sealant from the nuts (4), washers (5), and heated nipple bases.
- (4) On aircraft POST-MOD. [S.B.145-38-0002](#), remove the screw (9), nuts (11) and washers (10) from water service panel door 193NR.
- (5) Remove the screws (3), nuts (4), and washers (5) from the heated nipples (6).
- (6) Remove the caps (8) from the water fill nipple and the water overflow nipple.
- (7) Remove the heated nipples (6).
- (8) Remove and discard the gaskets (7).

EFFECTIVITY: PRE-MOD. S.B. 145-38-0002
Heated Nipples - Removal/Installation
Figure 401


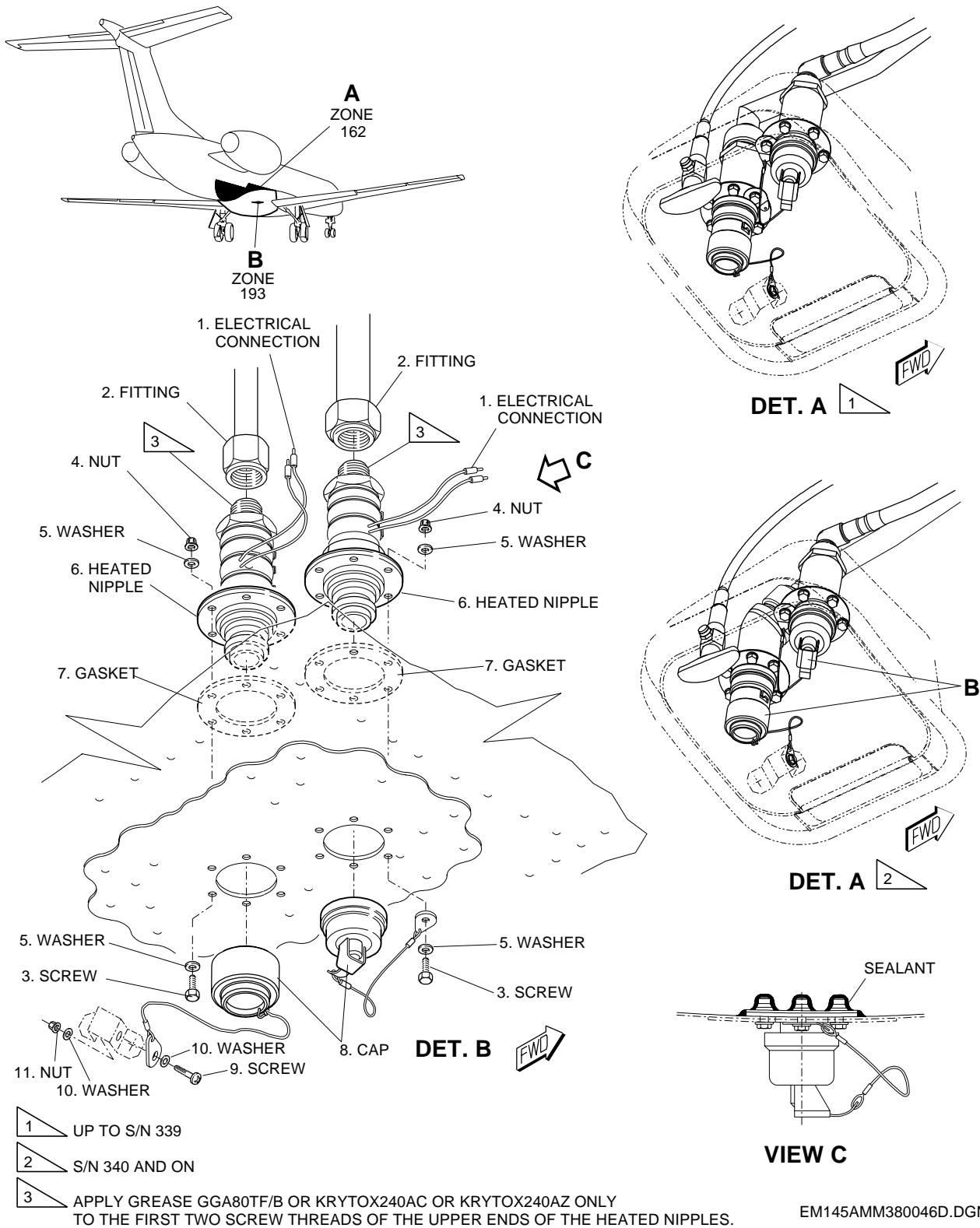
1 APPLY GREASE GGA80TF/B OR KRYTOX240AC OR KRYTOX240AZ ONLY
TO THE FIRST TWO SCREW THREADS OF THE UPPER ENDS OF THE HEATED NIPPLES.

EM145AMM380012C.DGN

EFFECTIVITY: POST-MOD. S.B. 145-38-0002

Heated Nipples - Removal/Installation

Figure 402





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TASK 38-10-04-400-802-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

3. HEATED NIPPLES - INSTALLATION

A. General

- (1) This task gives the procedure to install the heated water fill nipple and the heated water overflow nipple.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
AMM TASK 12-15-01-600-801-A/300	WATER TANK - FILLING
AMM TASK 25-51-04-400-801-A/400	BAGGAGE-COMPARTMENT FLOOR LINING - INSTALLATION
IPC 38-10-04	WATER FILL AND OVERFLOW NIPPLES
S.B.145-38-0002	-
SRM 51-20-01	-
WM 38-10-50	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193NR	Rear wing-to-fuselage fairing
272	272AF	Baggage compartment floor

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-S-38249	Sealant PR-812	AR
MEP08-017	Grease GGA80TF/B	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Gasket	IPC 38-10-04	2



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H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Under the baggage compartment floor

I. Installation (Figure 401) (Figure 402)

SUBTASK 420-011-A

- (1) Install new gaskets (7) in the heated nipples (6).

CAUTION: BEFORE YOU CONNECT THE HEATED NIPPLES TO THE CAPS AND TO THE FITTINGS, APPLY GREASE GGA80TF/B ONLY TO THE FIRST TWO SCREW THREADS OF THE TWO ENDS OF THE HEATED NIPPLES.

- (2) Put the heated nipples (6) and the cap (8) attachment cables in position, and attach the heated nipples with the screws (3), nuts (4), and washers (5).
- (3) Apply the sealant to the nuts (4), washers (5), and heated nipple bases (SRM 51-20-01).
- (4) Connect the heated nipple fittings (2).
- (5) Do the electrical connections (1) (WM 38-10-50).
- (6) On aircraft POST-MOD. [S.B.145-38-0002](#), install the screw (9), washers (10) and nuts (11) in water service panel door 193NR.

J. Follow-on

SUBTASK 842-011-A

- (1) Install baggage-compartment floor panel 272AF (AMM MPP 06-41-02/100).
- (2) Install the baggage-compartment floor lining ([AMM TASK 25-51-04-400-801-A/400](#)).
- (3) Fill the water tank ([AMM TASK 12-15-01-600-801-A/300](#)).
- (4) Install the heated nipple caps (8).
- (5) Close water service-panel door 193NR (AMM MPP 06-41-01/100).

