



AIRCRAFT MAINTENANCE MANUAL

ENGINE ANTI-ICING OVERPRESSURE SWITCH - REMOVAL/INSTALLATION

EFFECTIVITY: PRE-MOD. S.B. 145-30-0022

1. General

- A. This section gives the procedures to remove and install the overpressure switch of the Engine Thermal Anti-Icing System.
- 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
30-21-03-000-801-A	OVERPRESSURE SWITCH - REMOVAL	PRE-MOD. S.B. 145-30-0022
30-21-03-400-801-A	OVERPRESSURE SWITCH - INSTALLATION	PRE-MOD. S.B. 145-30-0022



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TASK 30-21-03-000-801-A

EFFECTIVITY: PRE-MOD. S.B. 145-30-0022

2. OVERPRESSURE SWITCH - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the overpressure switch of the Engine Thermal Anti-Icing System.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-30-00/100	-
AMM TASK 71-11-01-000-801-A/400	ENGINE UPPER COWLING - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
412	412 (LH Upper cowling)	LH Nacelle
422	422 (RH Upper cowling)	RH Nacelle

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Ladder	To get access to the overpressure switch	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH or RH Nacelle

I. Preparation

SUBTASK 841-002-A

- (1) On the overhead Circuit Breaker Panel, open the breakers below and attach a DO-NOT-CLOSE tag to them.
- ENG AIR INLET 1 (Location tip: DC BUS 1/ICE AND RAIN PROTECTION/ENG AIR INLET 1).



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- ENG AIR INLET 2 (Location tip: DC BUS 2/ICE AND RAIN PROTECTION/ENG AIR INLET 2).

- (2) Remove LH or RH engine upper cowling 412 or 422 (AMM MPP 06-30-00/100) ([AMM TASK 71-11-01-000-801-A/400](#)).

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

SUBTASK 020-002-A

EFFECTIVITY: PRE-MOD. S.B. 145-30-0006

- (1) Disconnect the electrical connector (1).
- (2) Disconnect the tube (5).
- (3) Remove the nut (4), washer (3), and bolt (7) to release the clamp (6).
- (4) Remove the overpressure switch (1).

K. Removal ([Figure 402](#))

SUBTASK 020-003-A

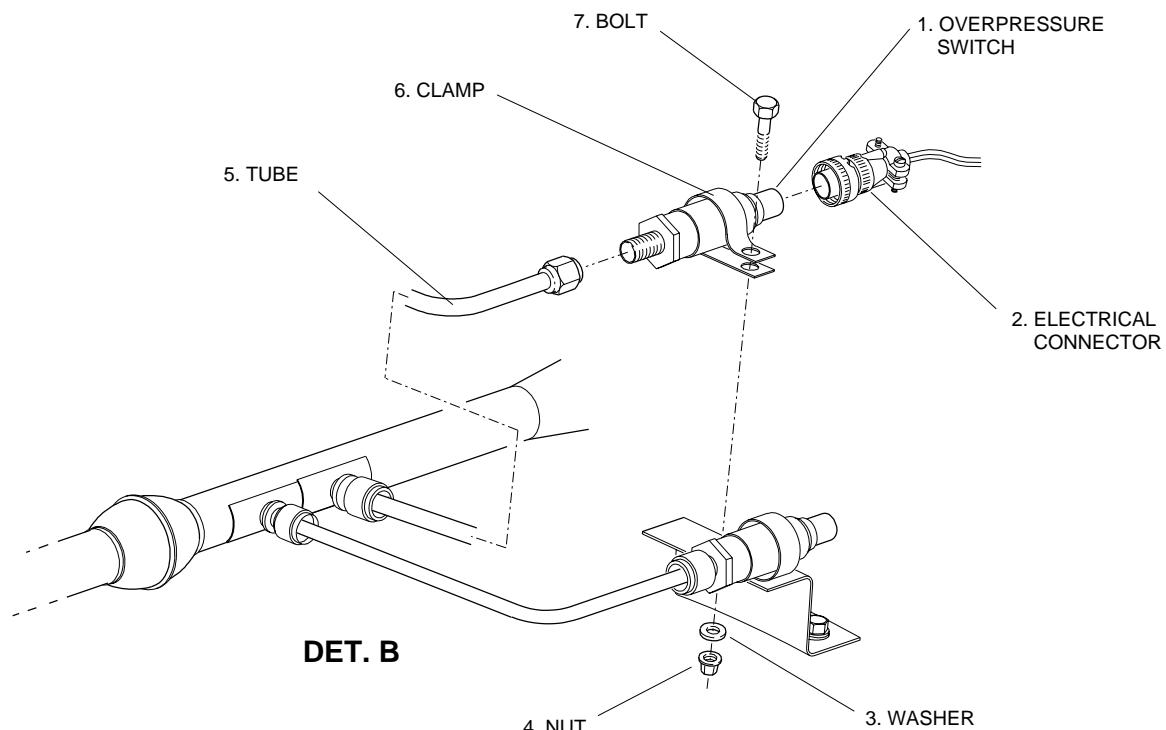
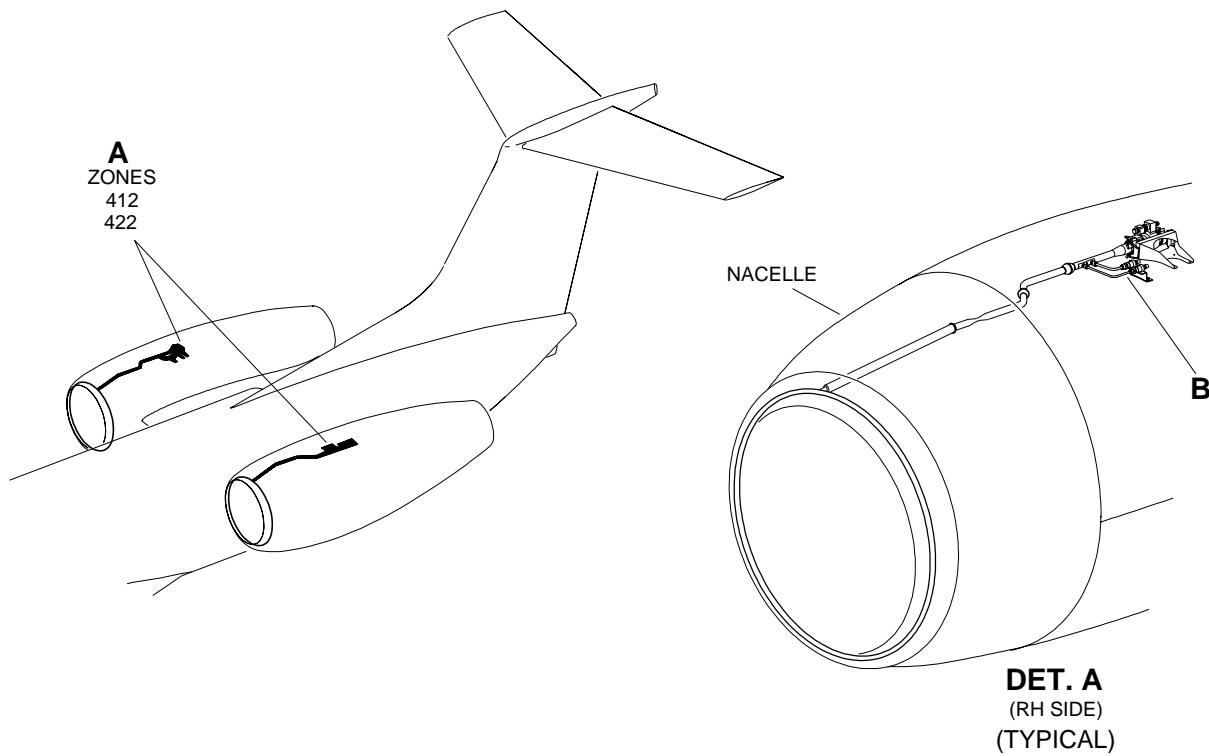
EFFECTIVITY: POST-MOD. S.B. 145-30-0006

- (1) Cut and remove the lockwire (1).
- (2) Disconnect the electrical connector (2).
- (3) Remove the overpressure switch (3) from the manifold (5).
- (4) Remove and discard the O-ring (4).

EFFECTIVITY: PRE-MOD. S.B. 145-30-0006

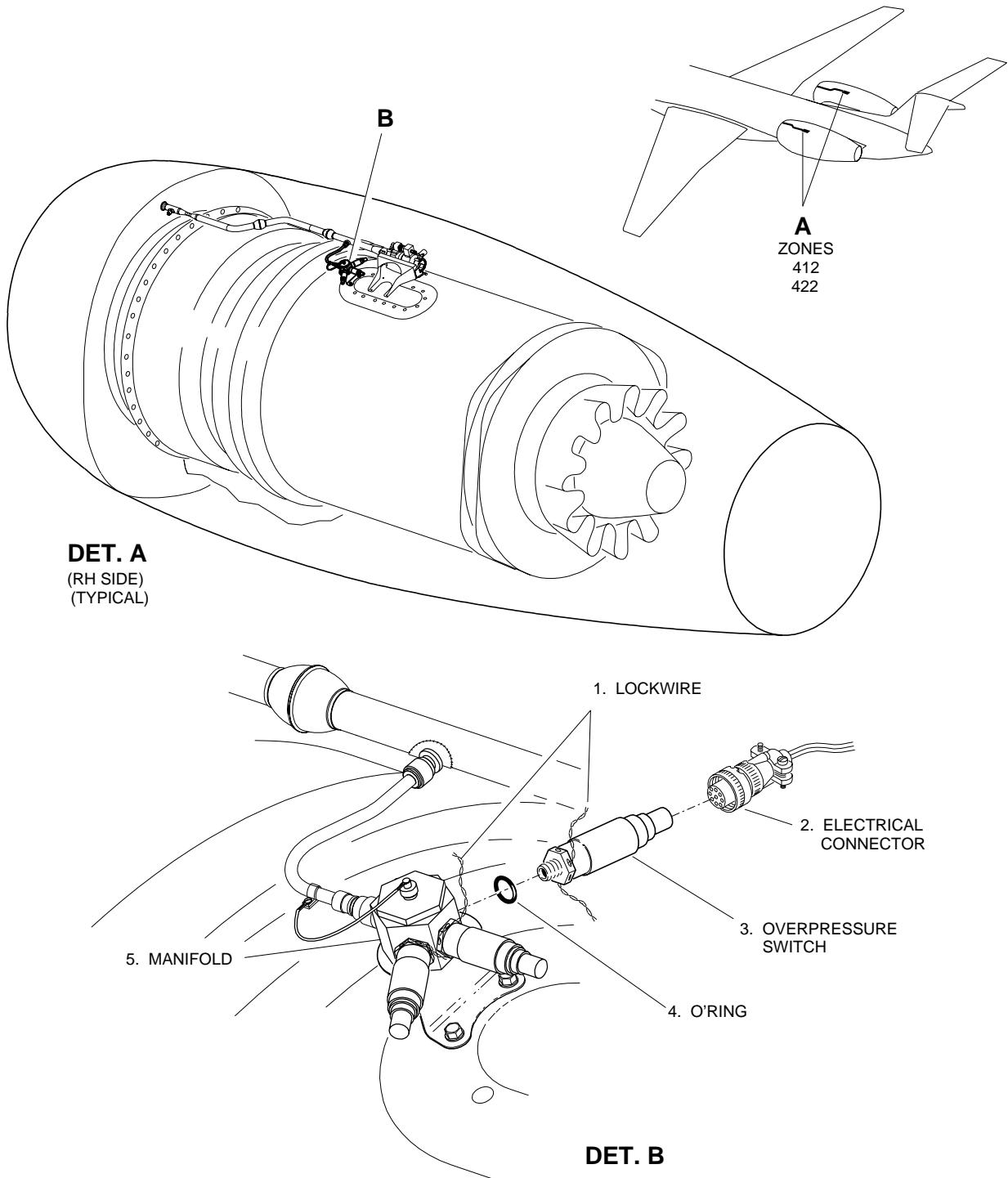
Overpressure Switch - Removal/Installation

Figure 401



145AMM300052.MCE A

EFFECTIVITY: POST-MOD. S.B. 145-30-0006
Overpressure Switch - Removal/Installation
Figure 402



145AMM300086.MCE A



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TASK 30-21-03-400-801-A

EFFECTIVITY: PRE-MOD. S.B. 145-30-0022

3. OVERPRESSURE SWITCH - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the overpressure switch of the Engine Thermal Anti-Icing System.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-30-00/100	-
AMM TASK 71-11-01-400-801-A/400	ENGINE UPPER COWLING - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
412	412 (LH Upper cowling)	LH Nacelle
422	422 (RH Upper cowling)	RH Nacelle

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995C20	Lockwire	AR
Molykote DC-33 Light	Lubricant	AR
MS3393-5	O-ring	1

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH or RH Nacelle

I. Installation (Figure 401)

SUBTASK 420-002-A

EFFECTIVITY: PRE-MOD. S.B. 145-30-0006

- (1) Put the overpressure switch (1) in the clamp (6).



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- (2) Put the overpressure switch (1) and the clamp (6) on the support at the fuselage.
- (3) Install the bolt (7), washer (3), and nut (4) to release the clamp (6).
- (4) Connect the electrical connector (1).
- (5) Connect the tube (5).

J. Installation (Figure 402)

SUBTASK 420-003-A

EFFECTIVITY: POST-MOD. S.B. 145-30-0006

- (1) Lightly apply molykote lubricant to the new O-ring (4) and install it on the overpressure switch (3).
- (2) Install the overpressure switch (3), on the manifold (5).
- (3) Connect the electrical connector (2).
- (4) Safety the switches with lockwire (1).

K. Follow-on

SUBTASK 842-002-A

- (1) Install LH or RH engine upper cowling 412 or 422 (AMM MPP 06-30-00/100) ([AMM TASK 71-11-01-400-801-A/400](#)).
- (2) On the overhead Circuit Breaker Panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them.
 - ENG AIR INLET 1 (Location tip: DC BUS 1/ICE AND RAIN PROTECTION/ENG AIR INLET 1).
 - ENG AIR INLET 2 (Location tip: DC BUS 2/ICE AND RAIN PROTECTION/ENG AIR INLET 2).

