

## ENGINE ANTI-ICING POSITION INDICATION SWITCH - REMOVAL/INSTALLATION

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

### 1. General

- A. These procedures give the instructions to remove and install the position indicator switch of the Engine Thermal Anti-Icing System.
- B. These procedures are applicable to the LH and RH engines.
- C. 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
30-21-04-000-801-A	POSITION INDICATOR SWITCH - REMOVAL	PRE-MOD. S.B. 145-30-0022
30-21-04-400-801-A	POSITION INDICATOR SWITCH - INSTALLATION	PRE-MOD. S.B. 145-30-0022

TASK 30-21-04-000-801-A

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

## 2. POSITION INDICATOR SWITCH - REMOVAL

### A. General

- (1) This task gives the instructions to remove the position indicator switch of the Engine Thermal Anti-Icing System.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-30-00/100	-
<a href="#">AMM TASK 71-11-01-000-801-A/400</a>	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 work area	1

### F. Consumable Materials

Not Applicable

### G. Expandable Parts

Not Applicable

### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	In the work area

### I. Preparation

#### SUBTASK 841-002-A

- (1) Put the ladder in the work area.
- (2) On the circuit breaker panel, open the circuit 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)

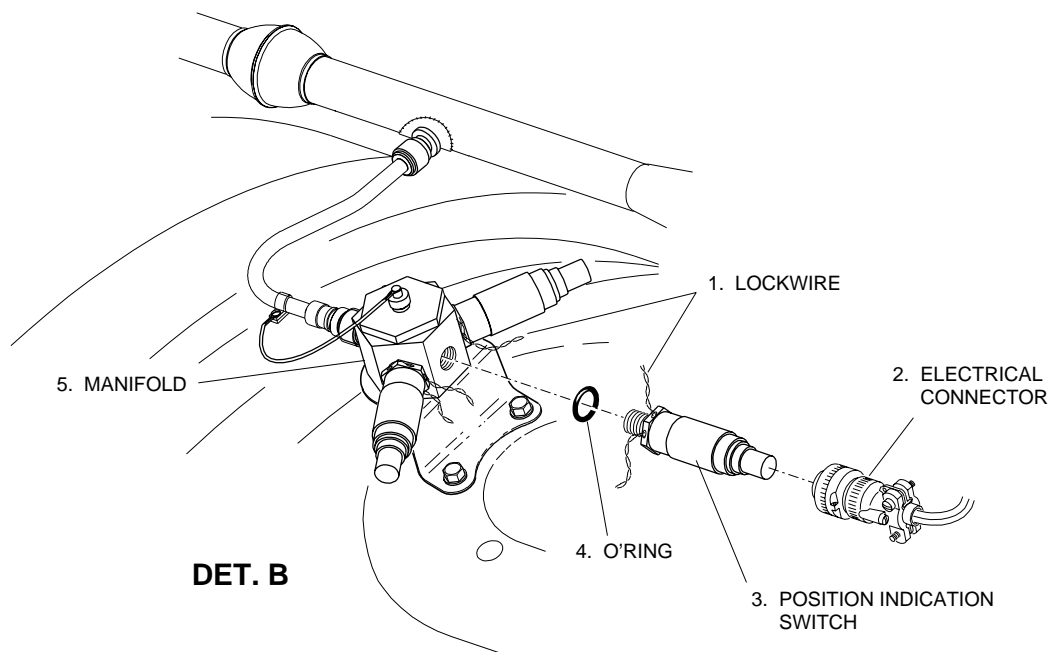
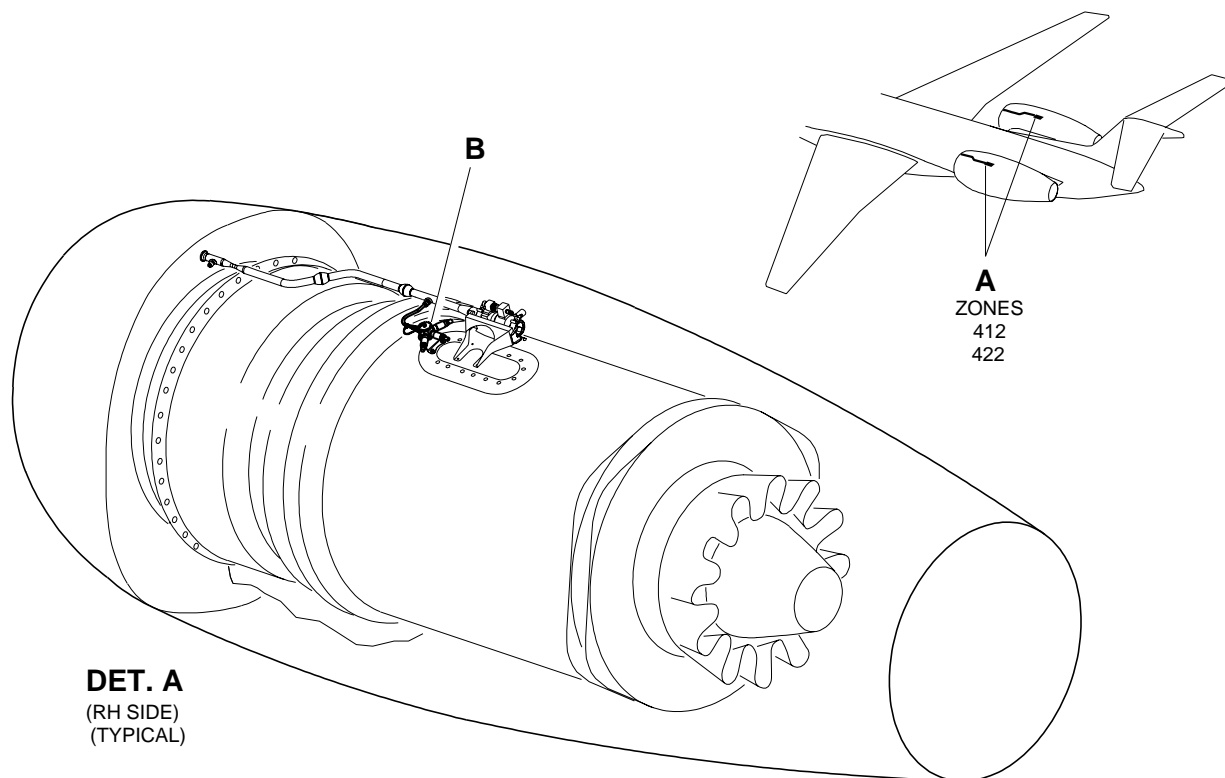
- ENG AIR INLET 2 (Location tip: DC BUS 2/ICE AND RAIN PROTECTION/ENG AIR INLET 2)
- (3) Remove the LH or RH engine upper cowling 412 or 422 (AMM MPP 06-30-00/100) ([AMM TASK 71-11-01-000-801-A/400](#)).

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

*SUBTASK 020-002-A*

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

EFFECTIVITY: POST-MOD. S.B. 145-30-0006  
Position Indicator Switch - Removal/Installation  
Figure 401



145AMM300087.MCE A

TASK 30-21-04-400-801-A

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

### 3. POSITION INDICATOR SWITCH - INSTALLATION

#### A. General

- (1) This task gives the instructions to install the position indicator switch of the Engine Thermal Anti-Icing System.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-30-00/100	-
<a href="#">AMM TASK 71-11-01-400-801-A/400</a>	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

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Ladder	To get access to the work area	1

#### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995C20	Lockwire	AR
Molykote DC-33 Light	Lubricant	AR
MS3393-6	O-ring	1

#### G. Expandable Parts

Not Applicable

#### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	In the work area

I. Installation (Figure 401)

*SUBTASK 420-002-A*

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

J. 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) Remove the ladder from the work area.
- (3) On the 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).