



AIRCRAFT MAINTENANCE MANUAL

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



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

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	-
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 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)



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

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

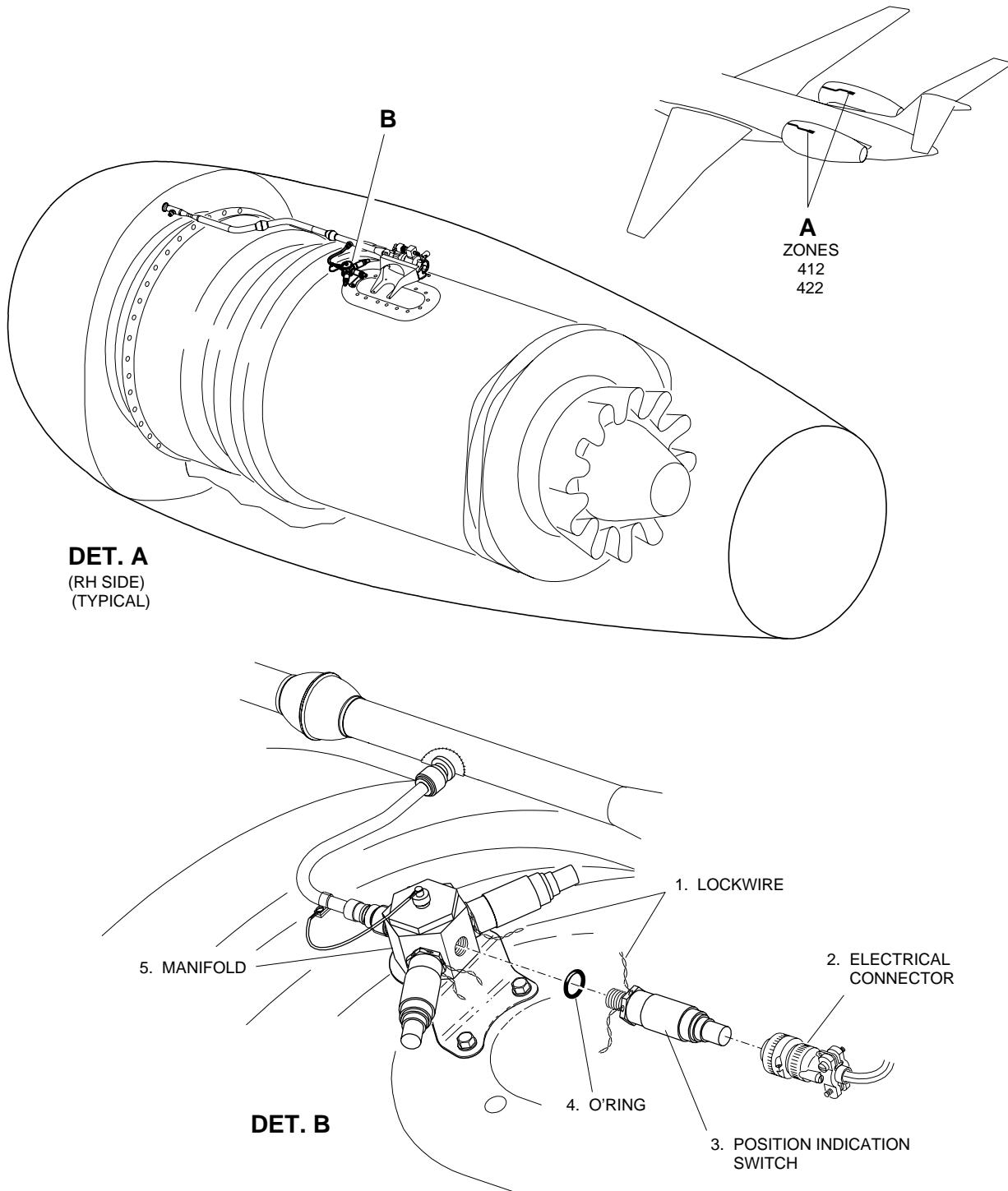
- (3) Remove the LH or RH engine upper cowling 412 or 422 (AMM MPP 06-30-00/100) ([AMM TASK 71-11-01-000-801-A/400](#)).

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



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EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

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	-
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

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



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

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).