



AIRCRAFT MAINTENANCE MANUAL

HORIZONTAL-STABILIZER ANTI-ICING LOW PRESSURE SWITCH - REMOVAL/INSTALLATION

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

1. General

- A. This section gives the procedures to remove and install the low pressure switches of the Horizontal-Stabilizer 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
30-12-02-000-801-A	LOW PRESSURE SWITCH - REMOVAL	PRE-MOD. S.B. 145-30-0022
30-12-02-400-801-A	LOW PRESSURE SWITCH - INSTALLA- TION	PRE-MOD. S.B. 145-30-0022



AIRCRAFT
MAINTENANCE MANUAL

TASK 30-12-02-000-801-A

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

2. LOW PRESSURE SWITCH - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the low pressure switch of the Horizontal-Stabilizer Thermal Anti-Icing System.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
324	324EL	LH side of the vertical stabilizer

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

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

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH and RH sides of the vertical stabilizer

I. Preparation

SUBTASK 841-002-A

WARNING: DO NOT TOUCH THE DUCTS OR COMPONENTS OF THE ANTI-ICING SYSTEM IMMEDIATELY AFTER THE SYSTEM IS TURNED OFF, BECAUSE THE HIGH AIR TEMPERATURE CAN INJURY TO PERSONS.

- (1) On the Circuit Breaker Panel, open the circuit breaker below and attach a DO-NOT-CLOSE tag to it.
 - STAB: (Location Tip: DC BUS 2/ICE AND RAIN PROTECTION/STAB).
- (2) Remove access panel 324EL or 324FR (AMM MPP 06-42-00/100).



AIRCRAFT
MAINTENANCE MANUAL

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

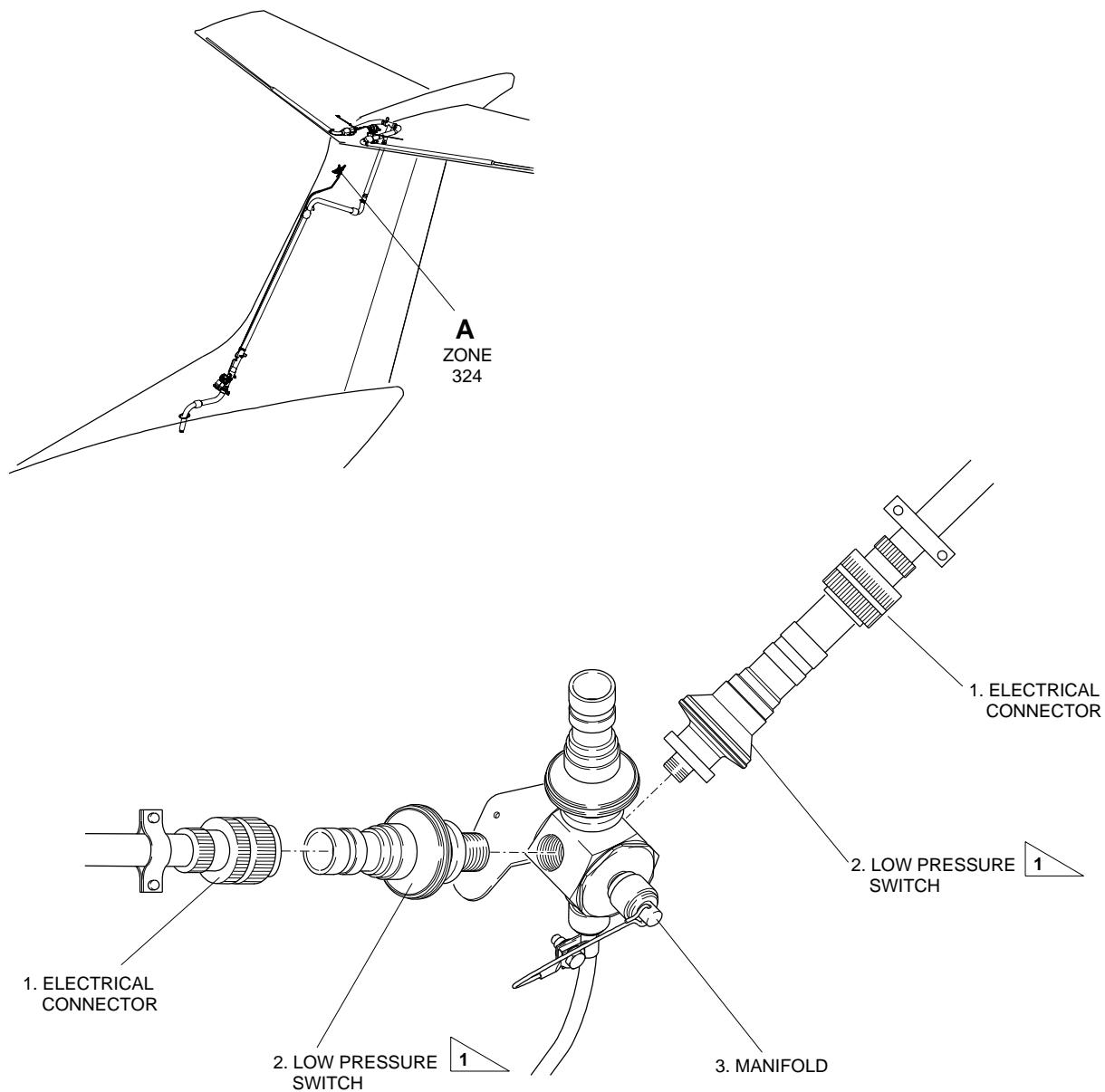
SUBTASK 020-002-A

- (1) Disconnect the electrical connector (1).
- (2) Remove the low pressure switch (2) from the manifold (3).

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

Low Pressure Switch - Removal/Installation

Figure 401



DET. A

1 TORQUE: 100-175 lb.in (11.3-19.8 N.m)

145AMM300046.MCE B



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 30-12-02-400-801-A

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

3. LOW PRESSURE SWITCH - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the low pressure switch of the Horizontal-Stabilizer Thermal Anti-Icing System.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
324	324EL	LH side of the vertical stabilizer

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
A-A-58092	Teflon Tape 1/2 IN	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH and RH sides of the vertical stabilizer

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Apply one and half overlapping of Teflon Tape, on the thread of the low pressure switch (2).
- (2) Install the low pressure switch (2) to the manifold (3), with torque required.
- (3) Connect the electrical connector (1) to the low pressure switch (2).



AIRCRAFT MAINTENANCE MANUAL

J. Follow-on

SUBTASK 842-002-A

- (1) Install access panel 324EL or 324FR (AMM MPP 06-42-00/100).
- (2) On the Circuit Breaker Panel, close the circuit breaker below and remove the DO-NOT-CLOSE tag from it.
 - STAB: (Location Tip: DC BUS 2/ICE AND RAIN PROTECTION/STAB).