HORIZONTAL-STABILIZER ANTI-ICING OVERPRESSURE SWITCH - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

A. This section gives the procedures to remove and install the overpressure switch 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*
30-12-03-000-801-A	OVERPRESSURE SWITCH - REMOVAL	ALL
30-12-03-400-801-A	OVERPRESSURE SWITCH - INSTALLATION	ALL

TASK 30-12-03-000-801-A
EFFECTIVITY: ALL

2. OVERPRESSURE SWITCH - REMOVAL

A. General

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

B. References

REFERENCE	*DESIGNATION*
AMM MPP 06-42-00/100	-
S.B.145-30-0022	-

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 overpressure 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 CAUSE INJURY TO YOU.

(1) On the overhead Circuit Breaker Panel, open this circuit breaker 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 (AMM MPP 06-42-00/100).

J. Removal (Figure 401) (Figure 402)

SUBTASK 020-002-A

(1) PRE-MOD. S.B.145-30-0022.

(a) Disconnect the electrical connector (1).

(b) (On aircraft 004-371) Remove the overpressure switch (2) from the manifold (3).

(c) On aircraft 372 and on, do as follows:

1 Remove the overpressure switch (2) from the union (4), and the union (4) from the manifold (3).

2 Remove and discard the old O-ring (5).

(2) POST-MOD. S.B.145-30-0022.

(a) Disconnect the electrical connector (1).

(b) Cut the lockwire (3).

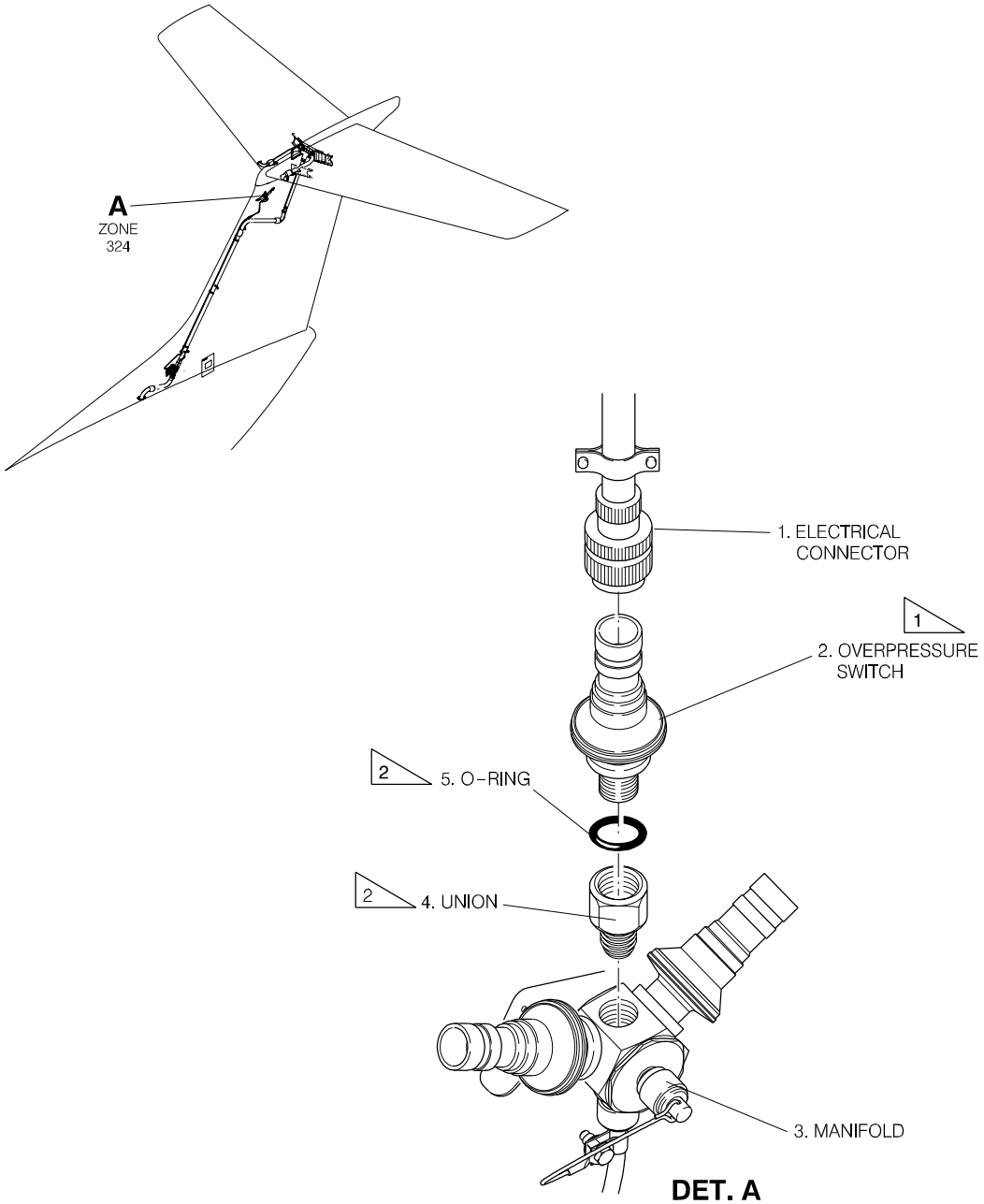
(c) (On aircraft 003-371) Remove the overpressure switch (2) from the union (4), and the union (4) from the manifold (6).

(d) (On aircraft 372 and on) Remove the overpressure switch (2) from the manifold (6).

(e) Remove and discard the old O-ring (5).

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

Overpressure Switch - Removal/Installation
Figure 401

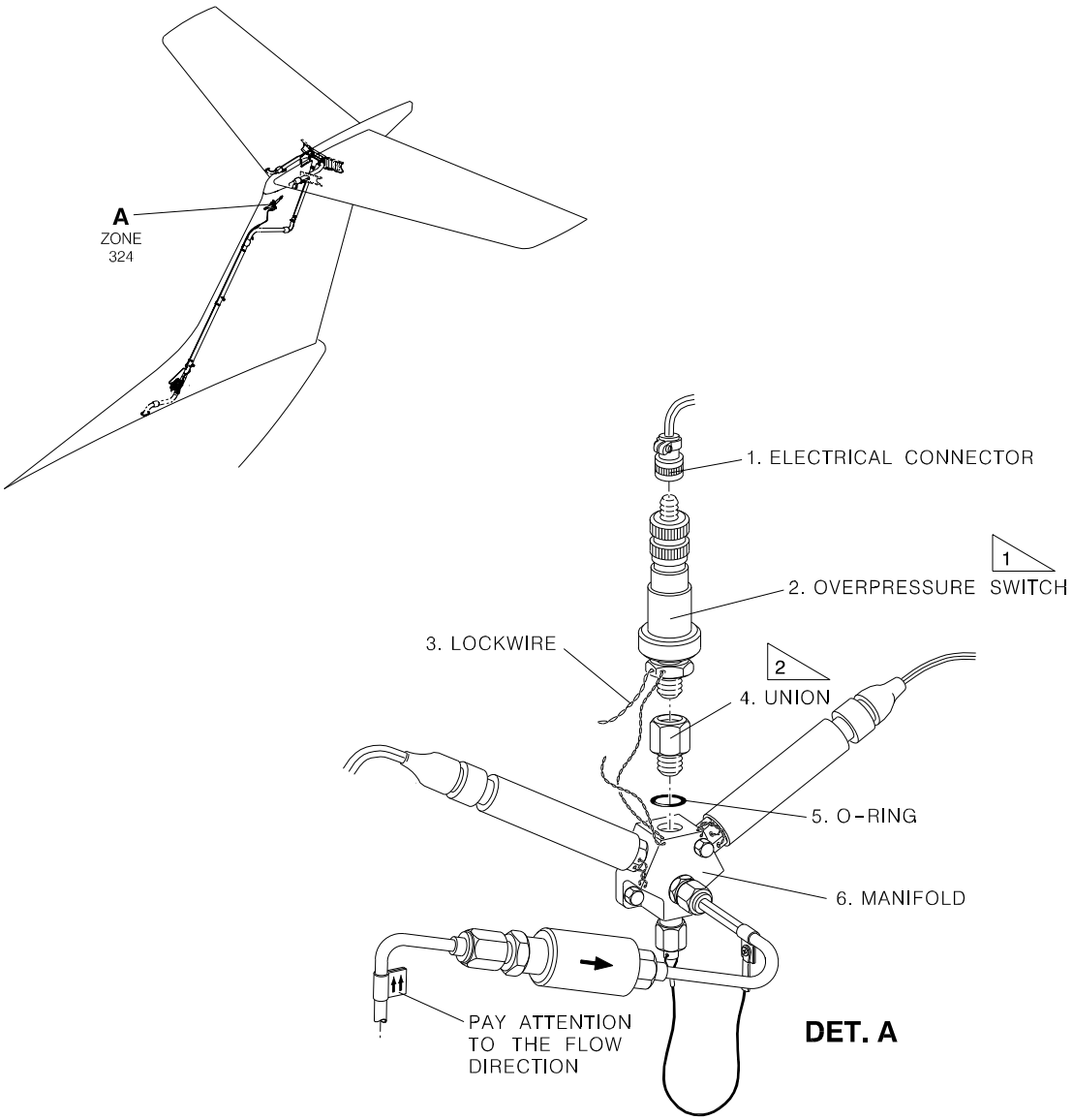


1 TORQUE: 16.9-33.9 N.m (150-300 lbf.in)

2 ON AIRCRAFT 372 AND ON

AMM300161.MCE A

EFFECTIVITY: POST-MOD. S.B. 145-30-0022
Overpressure Switch - Removal/Installation
Figure 402



1 TORQUE: 16.9-33.9 N.m (150-300 lbf.in)

2 ON AIRCRAFT 003-371

MM30115.MCE C

TASK 30-12-03-400-801-A
EFFECTIVITY: ALL

3. OVERPRESSURE SWITCH - INSTALLATION

A. General

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

B. References

REFERENCE	*DESIGNATION*
AMM MPP 06-42-00/100	-
IPC 30-12-00	HORIZONTAL-STABILIZER THERMAL ANTI-ICING SYSTEM
S.B.145-30-0022	-

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
MS 20995C32	Lockwire	AR

G. Expendable Parts

ITEM	*IPC REFERENCE (VENDOR REFERENCE)*	*QTY*
O-ring	IPC 30-12-00	1

H. Persons Recommended

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

I. Installation (Figure 401) (Figure 402)

SUBTASK 420-002-A

(1) PRE-MOD. S.B.145-30-0022.

(a) On aircraft 004-371, do as follows:

1 Apply one and a half overlapping turns of Teflon tape on the thread of the overpressure switch (2).

2 Install the overpressure switch (2) to the manifold (3). Tighten it to the specified torque.

3 Connect the electrical connector (1) to the overpressure switch (2).

(b) On aircraft 372 and on, do as follows:

1 Apply one and a half overlapping turns of Teflon tape on the thread of the union (4).

2 Install the union (4) to the manifold (3).

3 Install the overpressure switch (2) to the union (4) with the new O-ring (5). Tighten it to the specified torque.

4 Connect the electrical connector (1) to the overpressure switch (2).

(2) POST-MOD. S.B.145-30-0022.

(a) On aircraft 003-371, do as follows:

1 Install the union (4) and the new O-ring (5) to the manifold (6).

2 Apply one and a half overlapping turns of the Teflon tape, on the thread of the overpressure switch.

3 Install the overpressure switch (2) to the union (4). Tighten it to the specified torque.

4 Safety the overpressure switch (2) with the lockwire (3).

5 Connect the electrical connector (1).

(b) On aircraft 372 and on, do as follows:

1 Install the overpressure switch (2) and the new O-ring (5) to the manifold (6). Tighten it to the specified torque.

2 Safety the overpressure switch (2) with the lockwire (3).

3 Connect the electrical connector (1).

J. Follow-on

SUBTASK 842-002-A

(1) Install access panel 324EL (AMM MPP 06-42-00/100).

(2) On the Circuit Breaker Panel, close this circuit breaker and remove the DO-NOT-CLOSE tag from it.

- STAB: (Location tip: DC BUS 2/ICE AND RAIN PROTECTION/STAB).