

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

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the differential pressure 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
30-12-04-000-801-A	DIFFERENTIAL PRESSURE SWITCH - REMOVAL	ALL
30-12-04-400-801-A	DIFFERENTIAL PRESSURE SWITCH - IN-STALLATION	ALL

TASK 30-12-04-000-801-A

EFFECTIVITY: ALL

2. DIFFERENTIAL PRESSURE SWITCH - REMOVAL

A. General

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

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM TASK 55-36-00-000-801-A/400	TAIL BOOM - REMOVAL
S.B.145-30-0022	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
321	321EL	Stabilizer center section
337	337AZ	Stabilizer center section

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

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

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Stabilizer center section

I. Preparation

SUBTASK 841-002-A

- (1) On the Circuit Breaker Panel, open the STAB circuit breaker and attach a DO-NOT-CLOSE tag to it.
- STAB: (Location tip: DC BUS 2/ICE AND RAIN PROTECTION/STAB).
 - (POST-MOD. [S.B.145-30-0022](#))

STAB A/I IND (Location tip: DC BUS 1/ICE AND RAIN PROTECTION/STAB A/I IND).

- (2) Remove the front movable fairing (access panel 337AZ) or (access panel 321EL), as applicable to aircraft configuration (AMM MPP 06-42-00/100) ([AMM TASK 55-36-00-000-801-A/400](#)).

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

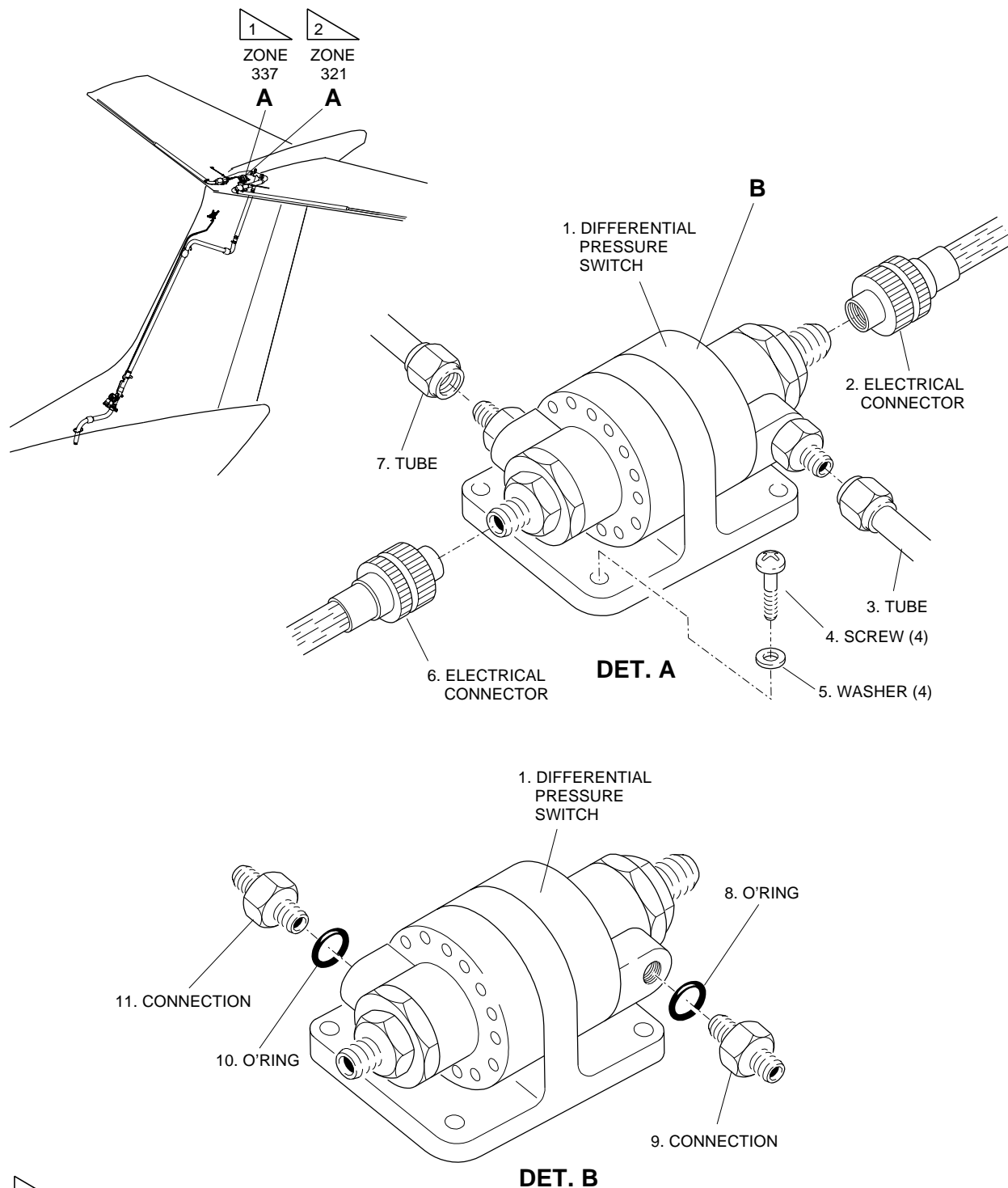
SUBTASK 020-002-A

- (1) Disconnect the electrical connectors (2) and (6).
- (2) Disconnect the tubes (3) and (7).
- (3) Remove the four screws (4) and washers (5).
- (4) Remove the differential pressure switch (1).

EFFECTIVITY: ALL

Differential Pressure Switch - Removal/Installation

Figure 401



1 APPLICABLE TO AIRCRAFT 001/038

2 APPLICABLE TO AIRCRAFT 039/999

EM145AMM300048D.DGN

TASK 30-12-04-400-801-A

EFFECTIVITY: ALL

3. DIFFERENTIAL PRESSURE SWITCH - INSTALLATION

A. General

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

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM TASK 30-10-00-700-801-A/500	AIRFOIL ANTI-ICING SYSTEM - OPERATIONAL TEST
AMM TASK 55-36-00-400-801-A/400	TAIL BOOM - INSTALLATION
IPC 30-12-00	HORIZONTAL-STABILIZER THERMAL ANTI-ICING SYSTEM
S.B.145-30-0022	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
321	321EL	Stabilizer center section
337	337AZ	Stabilizer center section

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	IPC 30-12-00	2

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Stabilizer center section

I. Preparation (Figure 401)

SUBTASK 841-003-A

- (1) Remove and keep the connections (9) and (11).

- (2) Remove and discard the old O-rings (8) and (10).
- (3) Install the new O-rings (8) and (10).
- (4) Install the connections (9) and (11).

J. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the differential pressure switch (1) in its installation position.
- (2) Install the four screws (4) and washers (5) to attach the differential pressure switch (1).
- (3) Connect the tubes (3) and (7).
- (4) Connect the electrical connectors (2) and (6).

K. Follow-on

SUBTASK 842-002-A

- (1) On the Circuit Breaker Panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them.
 - STAB: (Location tip: DC BUS 2/ICE AND RAIN PROTECTION/STAB).
 - (POST-MOD. [S.B.145-30-0022](#))
STAB A/I IND (Location tip: DC BUS 1/ICE AND RAIN PROTECTION/STAB A/I IND).
- (2) Examine the tube connections for leaks.
- (3) Do an operational check of the Horizontal-Stabilizer Thermal Anti-Icing System ([AMM TASK 30-10-00-700-801-A/500](#)).
- (4) Install the front movable fairing (access panel 337AZ) or (access panel 321EL) as applicable to aircraft configuration (AMM MPP 06-42-00/100) ([AMM TASK 55-36-00-400-801-A/400](#)).