

DIFFERENTIAL PRESSURE SWITCHES - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH DIFFERENTIAL PRESSURE SWITCH INSTALLED

1. General

- A. This section gives the procedures to remove and install the differential pressure switches of the bleed system.
- B. These procedures are applicable to the LH and RH differential pressure switches.
- C. The LH and RH differential pressure switches are installed in the LH and RH pylons.
- D. 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
36-20-03-000-801-A	DIFFERENTIAL PRESSURE SWITCH - REMOVAL	AIRCRAFT WITH DIFFERENTIAL PRESSURE SWITCH INSTALLED OR PRE-MOD SB 145-36-0018
36-20-03-400-801-A	DIFFERENTIAL PRESSURE SWITCH - INSTALLATION	AIRCRAFT WITH DIFFERENTIAL PRESSURE SWITCH INSTALLED OR PRE-MOD SB 145-36-0018

TASK 36-20-03-000-801-A

EFFECTIVITY: AIRCRAFT WITH DIFFERENTIAL PRESSURE SWITCH INSTALLED OR PRE-MOD
SB 145-36-0018

2. DIFFERENTIAL PRESSURE SWITCH - REMOVAL

A. General

(1) This procedure gives the instructions to remove the differential pressure switch.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-43-00/100	- COMPONENT LOCATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
414	414DB	LH Pylon
424	424DB	RH Pylon

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH or RH Pylon

I. Preparation

SUBTASK 841-002-A

- (1) Remove access panels 414DB or 424DB ([AMM MPP 06-43-00/100](#)).
- (2) On the circuit breaker panel, open the applicable circuit breaker below and attach a DO-NOT-CLOSE tag to it:
 - HSV 1 (Location Tip: DC BUS 1 / AIR COND/PNEU / HSV 1).
 - HSV 2 (Location Tip: DC BUS 2 / AIR COND/PNEU / HSV 2).

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

SUBTASK 020-002-A

WARNING: DO NOT TOUCH THE BLEED-AIR SYSTEM DUCTS OR COMPONENTS IMMEDIATELY AFTER THE ENGINE STOPS, BECAUSE THE HIGH BLEED-AIR TEMPERATURE CAN CAUSE INJURY TO PERSONS.

- (1) (FOR AIRCRAFT WITH DIFFERENTIAL PRESSURE SWITCH ACTIVATED OR PRE-MOD SB 145-36-A018) Disconnect the electrical connector (3).

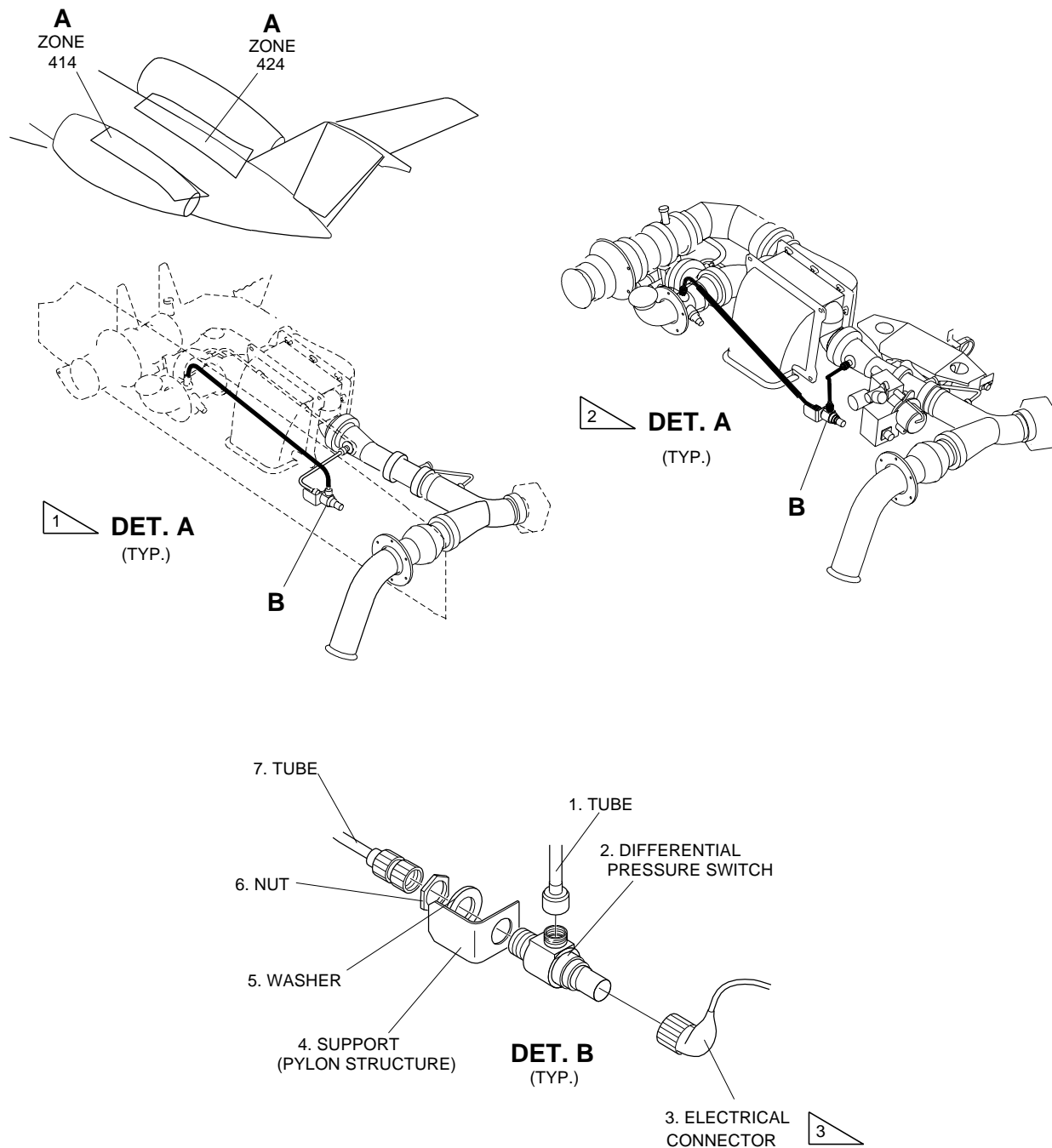
NOTE: For aircraft with differential pressure switch deactivated or POST-MOD SB 145-36-A018, connector must be disconnected.

- (2) Disconnect the tubes (1) and (7).
- (3) Remove the nut (6) and washer (5) that attach the differential pressure switch (2) to the support (4) at the pylon structure.
- (4) Remove the differential pressure switch (2).

EFFECTIVITY: AIRCRAFT WITH DIFFERENTIAL PRESSURE SWITCH INSTALLED OR PRE-MOD SB 145-36-0018

Differential Pressure Switch - Removal/Installation

Figure 401



1 PRE-MOD SB 145-36-0017

2 POST-MOD SB 145-36-0017

3 CONNECTOR MUST BE DISCONNECTED FOR AIRCRAFT WITH DIFFERENTIAL PRESSURE SWITCH DEACTIVATED OR POST-MOD SB 145-36-A018.

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TASK 36-20-03-400-801-A

EFFECTIVITY: AIRCRAFT WITH DIFFERENTIAL PRESSURE SWITCH INSTALLED OR PRE-MOD SB 145-36-0018

3. DIFFERENTIAL PRESSURE SWITCH - INSTALLATION

A. General

(1) This procedure gives the instructions to install the differential pressure switch.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-43-00/100	- COMPONENT LOCATION
AMM TASK 36-20-00-700-802-A/500	DIFFERENTIAL PRESSURE PROTECTION FUNCTION - FUNCTIONAL CHECK

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
414	414DB	LH Pylon
424	424DB	RH Pylon

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH or RH Pylon

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the differential pressure switch (2) in the support (4) at the pylon structure.
- (2) Attach the differential pressure switch (2) to the support (4) with the washer (5) and nut (6).
- (3) Connect the tubes (1) and (7) to the differential pressure switch (2).
- (4) (FOR AIRCRAFT WITH DIFFERENTIAL PRESSURE SWITCH ACTIVATED OR PRE-MOD SB 145-36-A018) Connect the electrical connector (3).

NOTE: For aircraft with differential pressure switch deactivated or POST-MOD SB 145-36-A018, connector must be disconnected.

J. Follow-on

SUBTASK 842-002-A

- (1) On the circuit breaker panel, close the applicable circuit breaker below and remove the DO-NOT-CLOSE tag from it:
 - HSV 1 (Location Tip: DC BUS 1 / AIR COND/PNEU / HSV 1).
 - HSV 2 (Location Tip: DC BUS 2 / AIR COND/PNEU / HSV 2).
- (2) (FOR AIRCRAFT WITH DIFFERENTIAL PRESSURE SWITCH ACTIVATED OR PRE-MOD SB 145-36-A018) Do the Differential Pressure Protection Function - Functional Check ([AMM TASK 36-20-00-700-802-A/500](#)).
- (3) Make sure that there is no pneumatic leakage.
- (4) Install access panels 414DB or 424DB ([AMM MPP 06-43-00/100](#)).