



AIRCRAFT MAINTENANCE MANUAL

HIGH-STAGE PRESSURE SWITCH - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the high-stage pressure switch.
- 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
36-11-07-000-801-A	HIGH-STAGE PRESSURE SWITCH - RE- MOVAL	ALL
36-11-07-400-801-A	HIGH-STAGE PRESSURE SWITCH - IN- STALLATION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 36-11-07-000-801-A

EFFECTIVITY: ALL

2. HIGH-STAGE PRESSURE SWITCH - REMOVAL

A. General

- (1) This task gives the instructions to remove the high-stage pressure switch.

B. References

REFERENCE	DESIGNATION
AMM TASK 71-11-01-000-801-A/400	ENGINE UPPER COWLING - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
412	412 - Upper Cowling	LH Engine
422	422 - Upper Cowling	RH Engine

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 engine and RH engine

I. Preparation

SUBTASK 841-002-A

- (1) Remove the upper cowling ([AMM TASK 71-11-01-000-801-A/400](#)).
- (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 OR APU STOPS, BECAUSE OF THE HIGH BLEED-AIR TEMPERATURE.

CAUTION: HOLD THE SWITCH WRENCHING FLATS WITH A WRENCH WHEN YOU REMOVE/INSTALL THE CONNECTION OR TUBE FROM/ON THE PRESSURE SWITCH. THIS IS TO PREVENT DAMAGE TO THE SWITCH.

- (1) Remove the bolts (1).
- (2) Remove the washers (2).

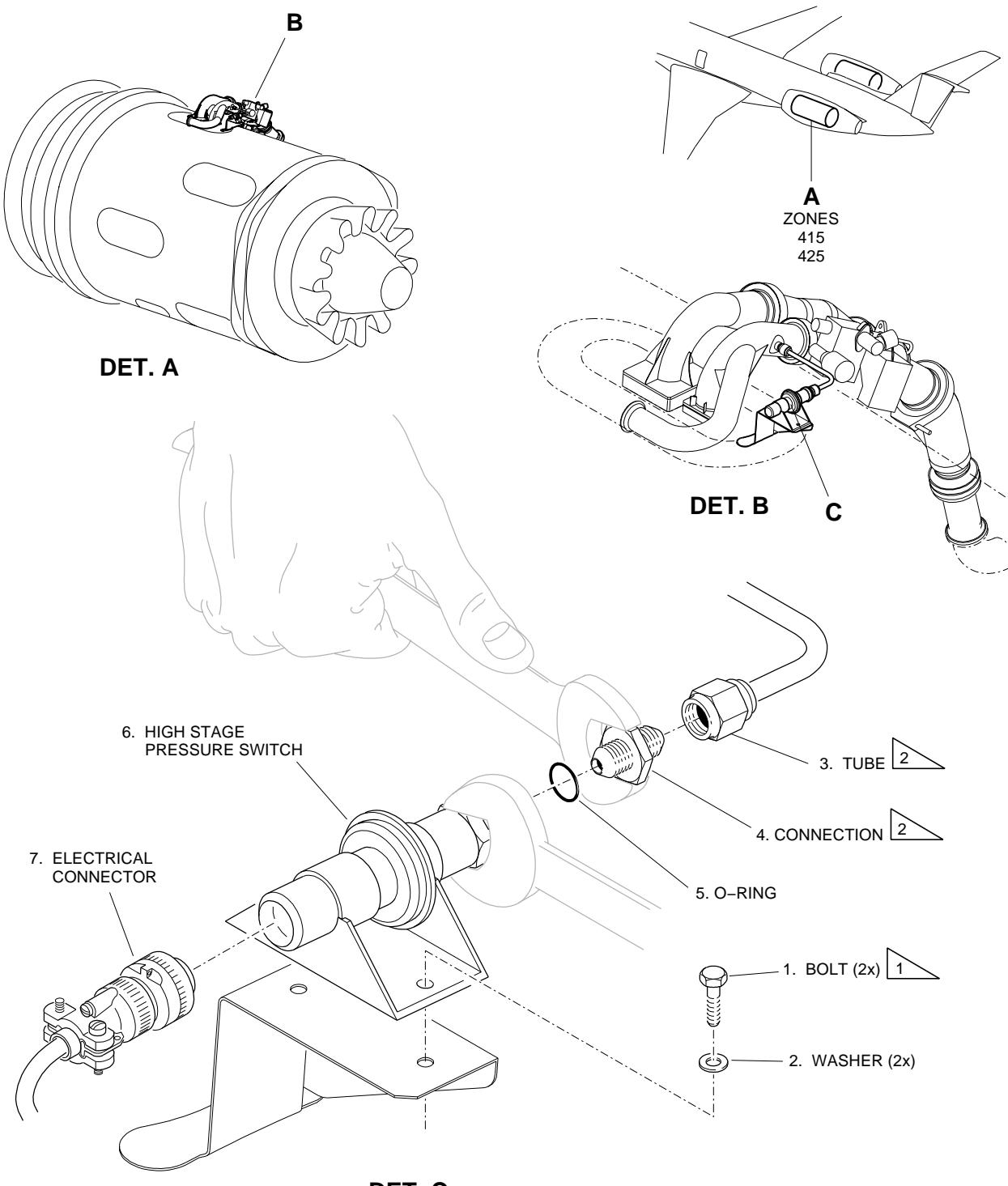
NOTE: Use two wrenches to remove the pressure switch. Hold the switch wrenching flats with one wrench and the tube or connection with other wrench. This is to prevent damage to the switch during the removal procedure.

- (3) Remove the tube (3).
- (4) Remove the connection (4).
- (5) Remove and discard O-ring (5).
- (6) Remove the high-stage pressure switch (6).
- (7) Remove the electrical connector (7).

EFFECTIVITY: ALL

High-Stage Pressure Switch - Removal/Installation

Figure 401



EM145AMM360015F.DGN



EMB145 - EMB135

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TASK 36-11-07-400-801-A

EFFECTIVITY: ALL

3. HIGH-STAGE PRESSURE SWITCH - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the high-stage pressure switch.

B. References

REFERENCE	DESIGNATION
AMM TASK 71-11-01-400-801-A/400	ENGINE UPPER COWLING - INSTALLATION
IPC 36-11-07	HIGH STAGE PRESSURE SWITCH

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
412	412 - Upper Cowling	LH Engine
422	422 - Upper Cowling	RH Engine

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 36-11-07	01

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH engine and RH engine

I. Installation (Figure 401)

SUBTASK 420-002-A

CAUTION: HOLD THE SWITCH WRENCHING FLATS WITH A WRENCH WHEN YOU REMOVE/INSTALL THE CONNECTION OR TUBE FROM/ON THE PRESSURE SWITCH. THIS IS TO PREVENT DAMAGE TO THE SWITCH.

- (1) Install the high-stage pressure switch (6).
- (2) Install the washers (2).

- (3) Install the bolts (1).
- (4) Install new O-ring (5).
- (5) Install the connection (4).

NOTE: Use two wrenches to install the pressure switch. Hold the switch wrenching flats with one wrench and the tube or connection with other wrench. This is to prevent damage to the switch during the installation procedure.

- (6) Install the tube (3).
- (7) Install the electrical connector (7).
- (8) Use a torque wrench to torque the bolts (1) to 2.5 - 3.2 N.m (22 - 28 lb.in).
- (9) Use a torque wrench to torque the connection (4) and the tube (3) to 15.3 - 17 N.m (135 - 150 lb.in).

J. Follow-on

SUBTASK 842-002-A

- (1) Install the upper cowling ([AMM TASK 71-11-01-400-801-A/400](#)).

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).