



AIRCRAFT MAINTENANCE MANUAL

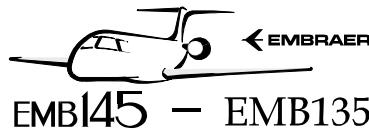
PACK OVERPRESSURE SWITCH - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. The pack overpressure switch is installed on the pack valve of each cooling pack.
- 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
21-51-06-000-801-A	PACK OVERPRESSURE SWITCH - REMOVAL	ALL
21-51-06-400-801-A	PACK OVERPRESSURE SWITCH - INSTALLATION	ALL



EMB145 – EMB135

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TASK 21-51-06-000-801-A

EFFECTIVITY: ALL

2. PACK OVERPRESSURE SWITCH - REMOVAL

A. General

- (1) This task gives the procedures to remove the pack overpressure switch.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191KL	Left side of the wing-to-fuselage fairing
191	191LR	Right side of the wing-to-fuselage fairing

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 cooling pack

I. Preparation

SUBTASK 841-002-A

- (1) Remove the access panel (AMM MPP 06-41-01/100), as applicable:

- 191KL (Pack overpressure switch of the LH pack valve).
- 191LR (Pack overpressure switch of the RH pack valve).

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

SUBTASK 020-002-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.



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- (1) Disconnect the electrical connector (6).

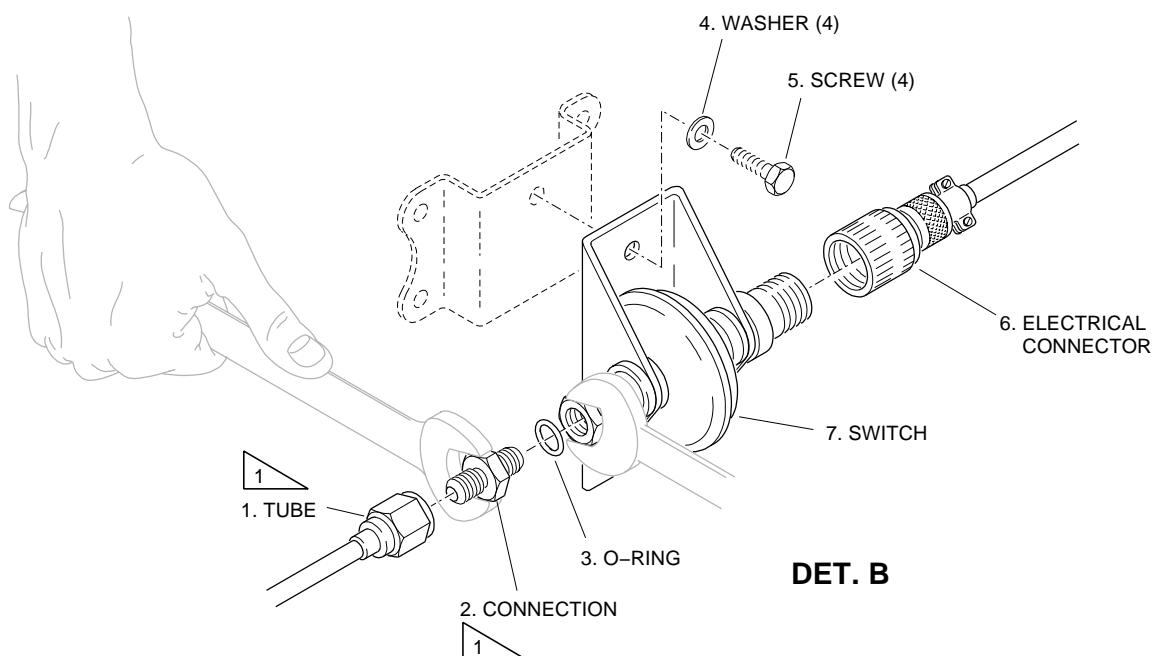
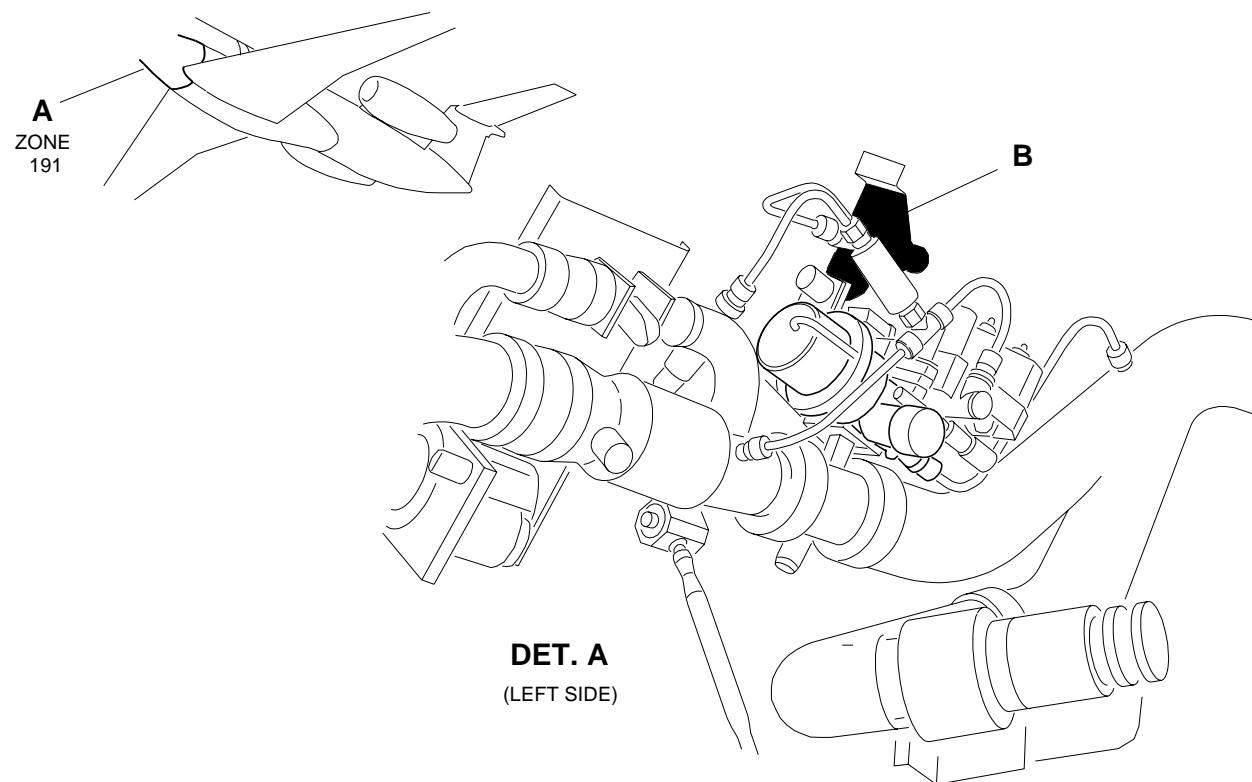
NOTE: Use two wrenches to remove the pressure switch. Hold the switch wrenching flats with one wrench and the tube or connection with other wrench. This is to prevent damage to the switch during the removal procedure.

- (2) Disconnect the tube (1).
- (3) Remove the connection (2).
- (4) Remove the screws (5).
- (5) Remove the switch (7).
- (6) Discard the o'ring (3).

EFFECTIVITY: ALL

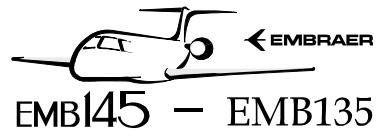
Pack Overpressure - Removal/Installation

Figure 401



 TORQUE: 15.3 – 17 N.m (135 – 150 lb.in).

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TASK 21-51-06-400-801-A

EFFECTIVITY: ALL

3. PACK OVERPRESSURE SWITCH - INSTALLATION

A. General

(1) This task gives the procedures to install the pack overpressure switch.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
IPC 36-10-00	ENGINE BLEED AIR SYSTEM

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191KL	Left side of the wing-to-fuselage fairing
191	191LR	Right side of the wing-to-fuselage fairing

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 36-10-00	1/LRU

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH or RH cooling pack

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) Make sure that the duct is clean.
- (2) Put the switch in the installation position.

NOTE: Replace the o'ring.

- (3) Install the connection (2) on the pressure switch (7) .

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.

- (4) Install the switch (7) with the two screws (5).
- (5) Install the connection (2).
- (6) Connect the tube (1).
- (7) Connect the electrical connector (6).
- (8) Use a torque wrench to torque the tube and connection to 15.3 - 17 N.m (135 - 150 lb.in).

J. Follow-on

SUBTASK 842-002-A

- (1) Install the access panel (AMM MPP 06-41-01/100), as applicable:
 - 191KL (Pack overpressure switch of the LH cooling pack).
 - 191LR (Pack overpressure switch of the RH cooling pack).