



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

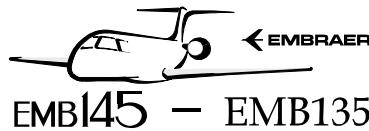
PACK SETDOWN SWITCH - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. The pack setdown switch is installed on the compressor outlet duct 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
21-51-07-000-801-A	PACK SETDOWN SWITCH - REMOVAL	ALL
21-51-07-400-801-A	PACK SETDOWN SWITCH - INSTALLA- TION	ALL



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TASK 21-51-07-000-801-A

EFFECTIVITY: ALL

2. PACK SETDOWN SWITCH - REMOVAL

A. General

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

B. References

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

C. Zones and Accesses

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

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque wrench	To loosen the switch	

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:
- 191EL (Pack setdown switch of the LH cooling pack).
 - 191FR (Pack setdown switch of the RH cooling pack).



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

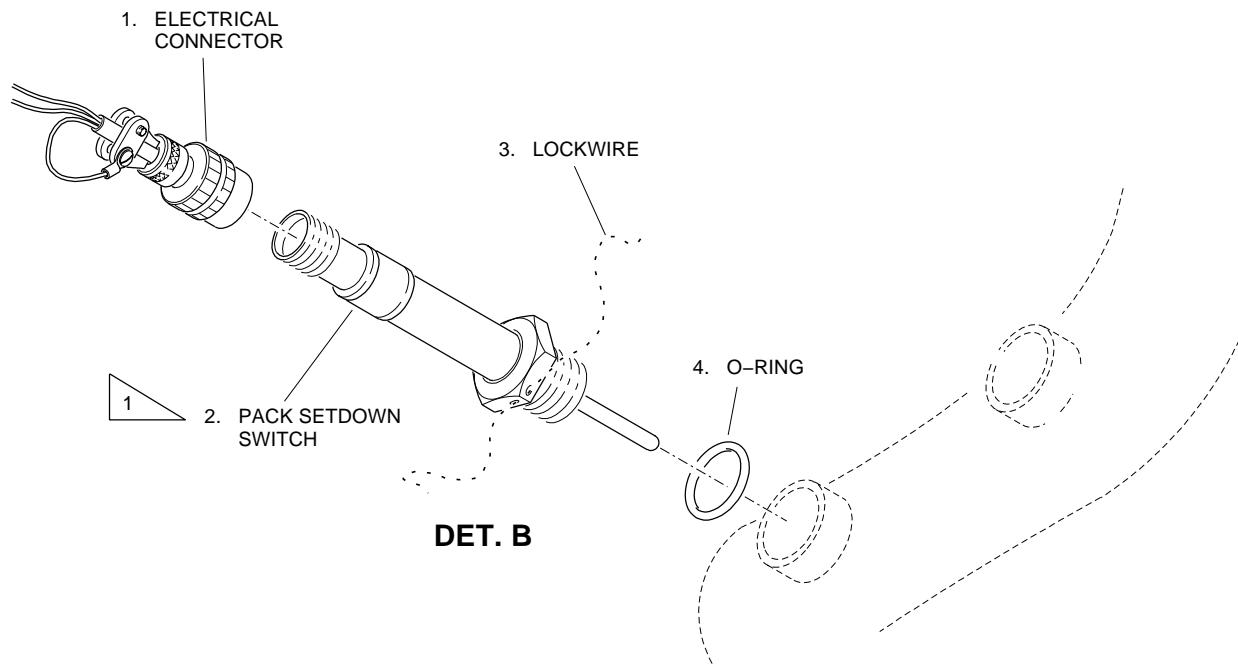
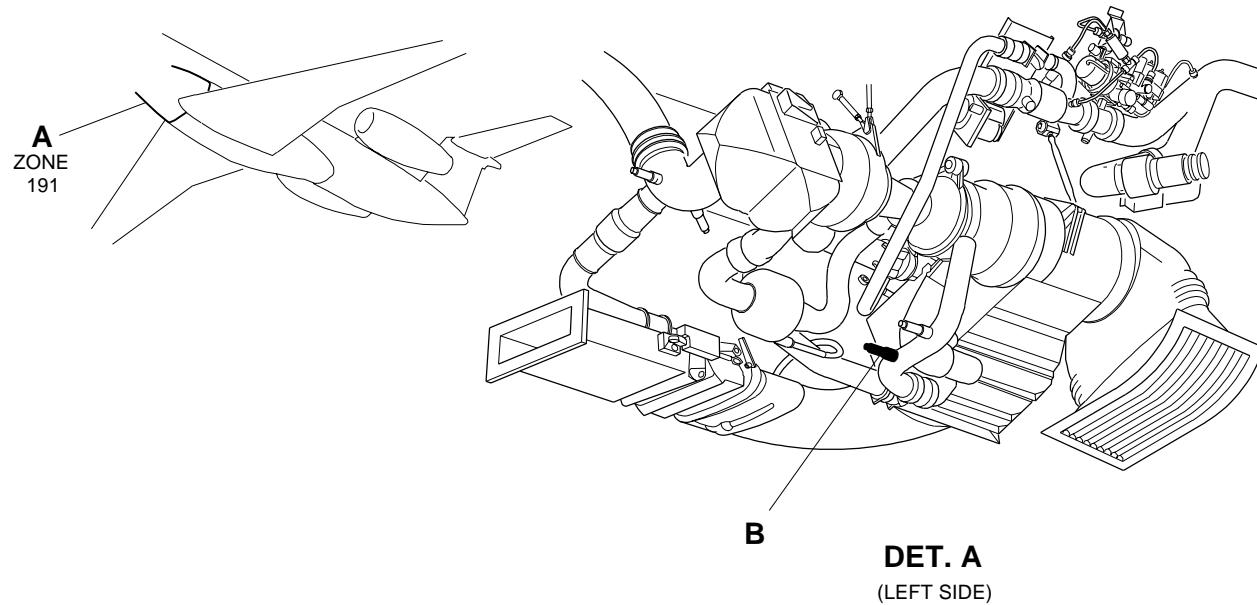
SUBTASK 020-002-A

- (1) Disconnect the electrical connector (1).
- (2) Cut the lockwire (3).
- (3) Remove the switch (2).
- (4) Discard the O-ring (4).
- (5) Use a cap to cover the opening in the duct to prevent the entry of unwanted material.

EFFECTIVITY: ALL

Pack Setdown Switch - Removal/Installation

Figure 401



 1 T = 6.78 Nm (60 lb.in) to 7.90 Nm (70 lb.in)

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TASK 21-51-07-400-801-A

EFFECTIVITY: ALL

3. PACK SETDOWN SWITCH - INSTALLATION

A. General

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

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
IPC 21-51-00	COOLING PACK SYSTEM

C. Zones and Accesses

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

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque wrench	To tighten the switch	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995C20	Lockwire	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	IPC 21-51-00	1/LRU

H. Persons Recommended

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



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I. Installation (Figure 401)

SUBTASK 420-002-A

WARNING: MAKE SURE THAT THE SWITCH THAT YOU WILL INSTALL HAS THE CORRECT PART NUMBER FOR THAT LOCATION (REFER TO IPC 21-51-00). IF YOU DO NOT OBEY THIS PRECAUTION, DAMAGE TO THE RELATED DUCT CAN OCCUR AND THERE CAN BE HOT AIR LEAKAGE.

- (1) Remove the cap from the duct opening.
- (2) Make sure that the duct is clean.
- (3) Put the switch (2) together with the new O-ring (4) in the installation position.
- (4) Install the switch (2).
- (5) Tighten and safety the switch nut.
- (6) Connect the electrical connector (1).

J. Follow-on

SUBTASK 842-002-A

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