



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**PACK DUCT OVERTEMPERATURE SWITCH - REMOVAL/INSTALLATION**

*EFFECTIVITY: ALL*

1. General

- A. The pack duct overtemperature switch is installed in each cooling pack outlet duct.
- 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
21-51-09-000-801-A	PACK DUCT OVERTEMPERATURE SWITCH - REMOVAL	ALL
21-51-09-400-801-A	PACK DUCT OVERTEMPERATURE SWITCH - INSTALLATION	ALL



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TASK 21-51-09-000-801-A

EFFECTIVITY: ALL

2. PACK DUCT OVERTEMPERATURE SWITCH - REMOVAL

A. General

- (1) This task gives the procedures to remove the pack duct overtemperature 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 duct overtemperature switch of the LH cooling pack).
  - 191FR (Pack duct overtemperature switch of the RH cooling pack).



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

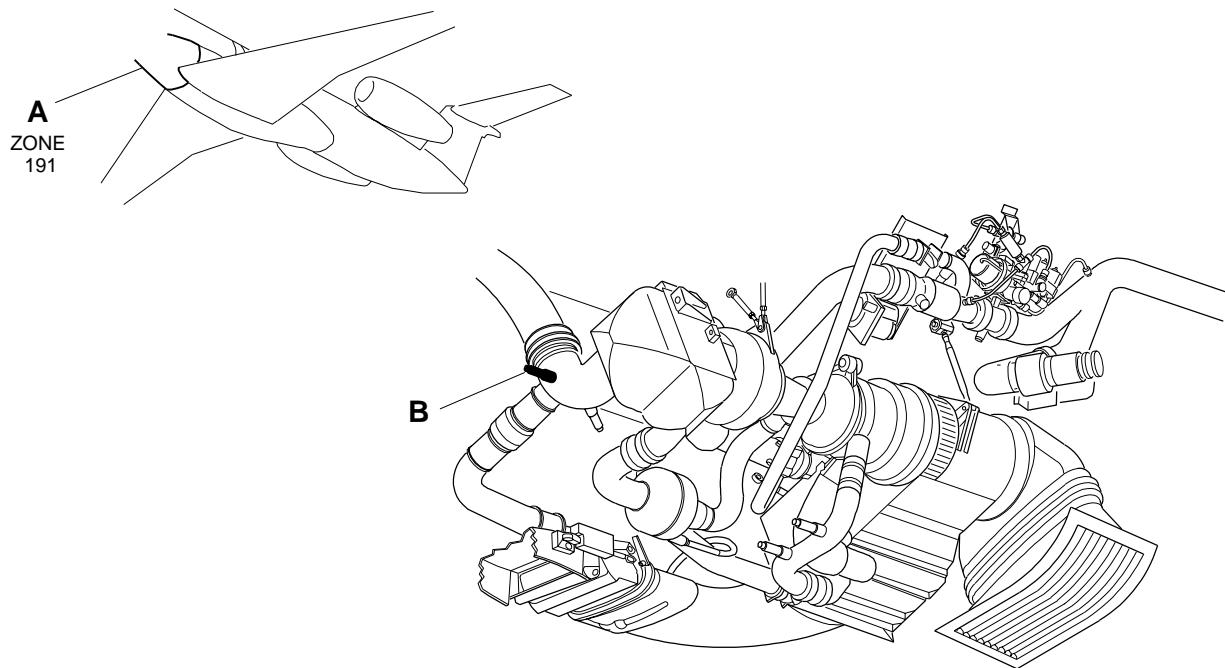
SUBTASK 020-002-A

- (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 entry of the unwanted material.

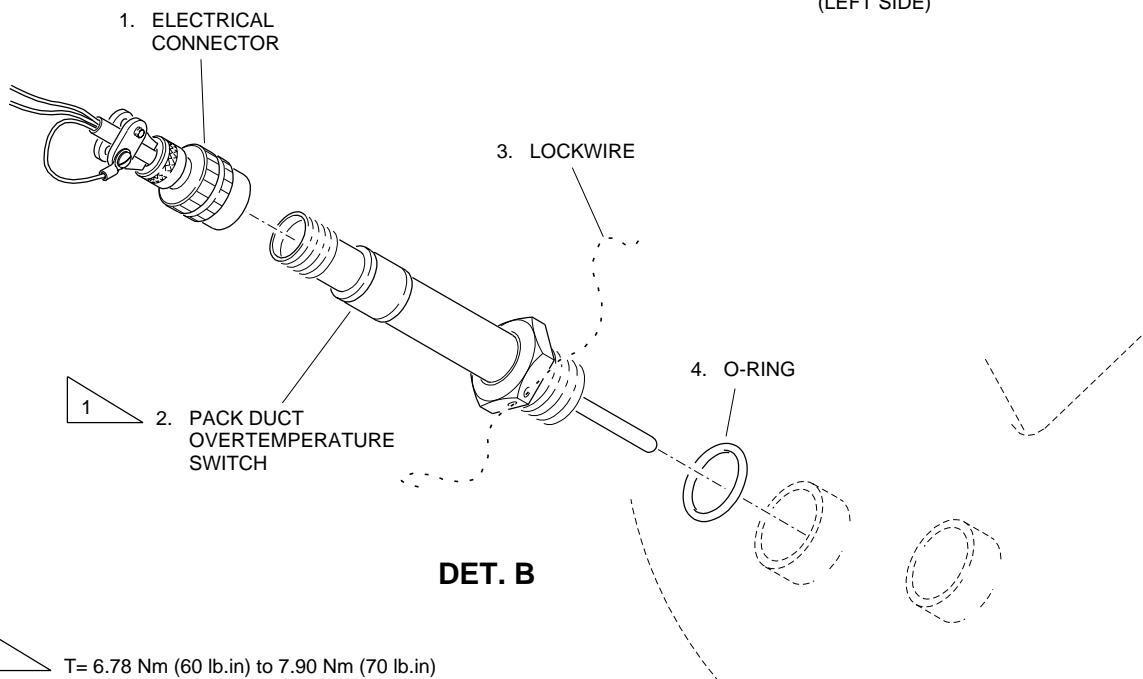
**EFFECTIVITY: ALL**

Pack Duct Overtemperature Switch - Removal/Installation

Figure 401


**DET. A**

(LEFT SIDE)





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TASK 21-51-09-400-801-A

EFFECTIVITY: ALL

3. PACK DUCT OVERTEMPERATURE SWITCH - INSTALLATION

## A. General

(1) This task gives the procedures to install the pack duct overtemperature 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
MS20995C32	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	LH or RH 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 duct overtemperature switch of the LH cooling pack).
  - 191FR (Pack duct overtemperature switch of the RH cooling pack).