



## PACK LEAK SWITCH - ADJUSTMENT/TEST

EFFECTIVITY: ALL

### 1. General

- A. This section gives the procedures to do an operational check on the pack leak switches.
- 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
21-51-10-700-801-A ♦	PACK LEAK SWITCH - OPERATIONAL CHECK	ALL



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 21-51-10-700-801-A

EFFECTIVITY: ALL

2. PACK LEAK SWITCH - OPERATIONAL CHECK

A. General

- (1) The pack leak switches are installed adjacent to the pack valves.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-03/100	- COMPONENT LOCATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 45-45-00-970-802-A/200	CMC DOWNLOADING WITH THE PERSONAL COMPUTER

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191KL	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	Heat gun	To make the leak switch hot	
Commercially available	Digital thermometer - range: up to 93.3°C (200°F)	To measure the temperature	

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	In the wing-to-fuselage fairing and cockpit

I. Preparation

SUBTASK 841-002-A

- (1) Remove access panels (AMM MPP 06-41-01/100):

- 191KL (Leak switch of the LH cooling pack).
  - 191FR (Leak switch of the RH cooling pack).
- (2) Energize the aircraft ( [AMM TASK 20-40-01-860-801-A/200](#)).
- (3) Open Maintenance Panel door 223LZ ( [AMM MPP 06-41-03/100](#) ) to get access to the:
  - CMC RESET/ENABLE switch.
- (4) Set the CMC RESET/ENABLE switch, on the Maintenance Panel, to the ENABLE position.

**J. Operationally Check Pack Leak Switch ([Figure 501](#))**

**SUBTASK 710-002-A**

**WARNING: BECAUSE OF THE HIGH TEMPERATURES, BE CAREFUL NOT TO BURN YOURSELF WHEN YOU HEAT THE LEAK SWITCHES.**

- (1) Slowly and continuously heat the leak switch on the LH pack duct with a heat gun until you have a temperature higher than 93.3°C (200°F).
- (2) Do the same procedure for the leak switch of the RH pack duct.
- (3) Do a download of the CMC ( [AMM TASK 45-45-00-970-802-A/200](#) ), and make sure that the messages below are shown:
  - AIR COND 1 LEAKAGE.
  - AIR COND 2 LEAKAGE.

**K. Follow-on**

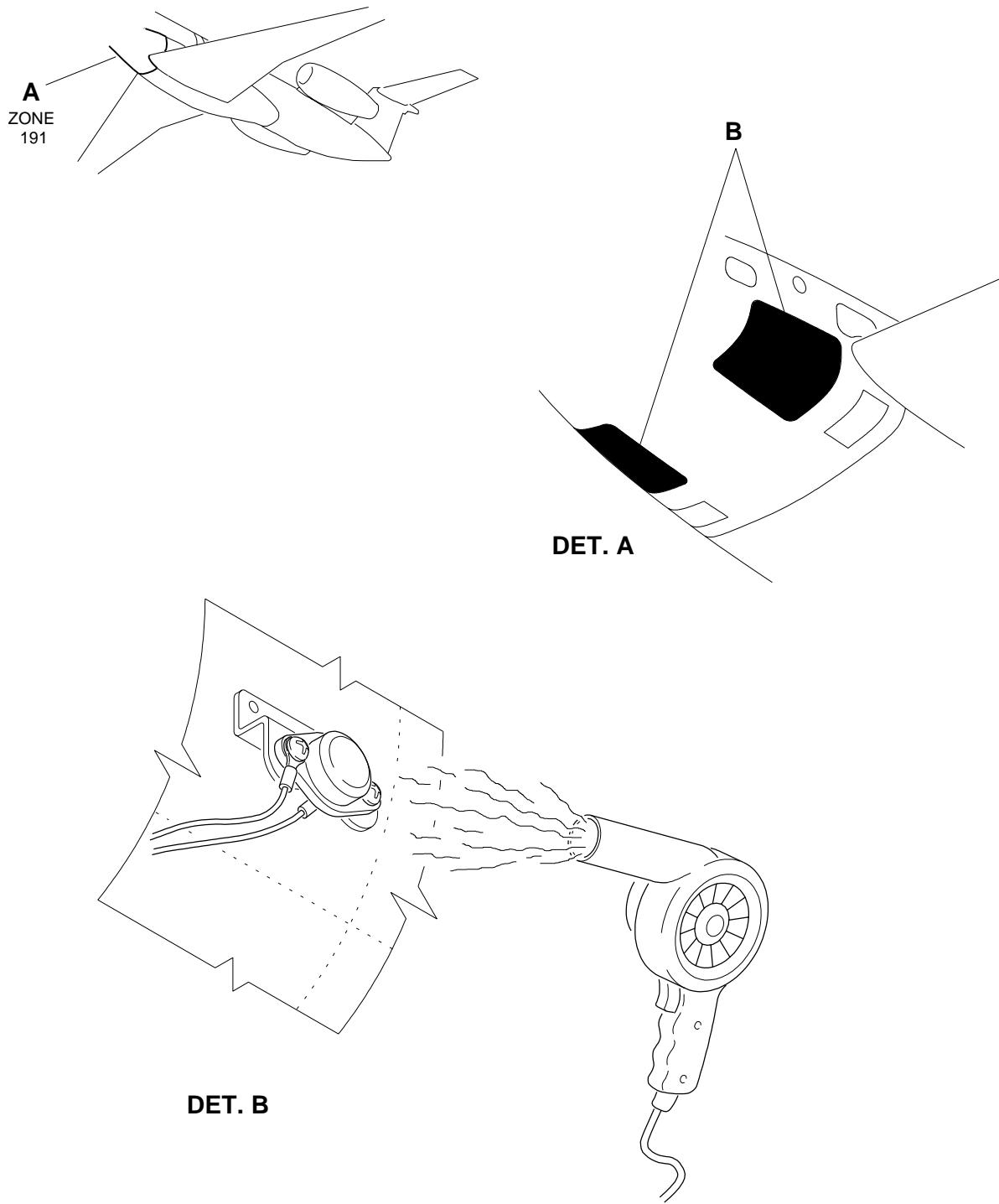
**SUBTASK 842-002-A**

- (1) Set the CMC RESET/ENABLE switch, on the Maintenance Panel, to the mid position.
- (2) Close Maintenance Panel door 223LZ ( [AMM MPP 06-41-03/100](#) ).
- (3) Remove the power supply from the aircraft ( [AMM TASK 20-40-01-860-801-A/200](#) ).
- (4) Install access panels (AMM MPP 06-41-01/100):
  - 191KL (Leak switch of the LH cooling pack).
  - 191FR (Leak switch of the RH cooling pack).

**EFFECTIVITY: ALL**

Pack Leak Switch - Operational Check

Figure 501



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