



AIRCRAFT MAINTENANCE MANUAL

WING ANTI-ICING LEAK THERMOSTAT - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do an operational check of the wing leak thermostats.
- 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
30-11-05-700-801-A ♦	WING LEAK THERMOSTAT - OPERATIONAL CHECK	ALL



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TASK 30-11-05-700-801-A

EFFECTIVITY: ALL

2. WING LEAK THERMOSTAT - OPERATIONAL CHECK

A. General

- (1) The leak thermostat is installed near the wing anti-icing valve.

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
S.B.145-45-0001	-

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
223	223LZ	Cockpit, LH side - Maintenance Panel

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Heat Gun	To apply hot air	
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	A - Does the task	Cockpit
1	B - Helps technician A	Near the wing



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I. Preparation

SUBTASK 841-002-A

- (1) Energize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (2) Remove the access panels that follow (AMM MPP 06-41-01/100), as applicable.
 - 191EL (leak thermostat of the LH half wing).
 - 191FR (leak thermostat of the RH half wing).
- (3) Open maintenance panel door 223LZ ([AMM MPP 06-41-03/100](#)) to get access to:
 - (PRE-MOD. [S.B.145-45-0001](#)) The CMC RESET/INHIBIT switch.
 - (POST-MOD. [S.B.145-45-0001](#)) The CMC RESET/ENABLE switch.
- (4) Make sure that these switches, on the Maintenance panel, are at the middle position:
 - (PRE-MOD. [S.B.145-45-0001](#)) CMC RESET/INHIBIT switch.
 - (POST-MOD. [S.B.145-45-0001](#)) CMC RESET/ENABLE switch.

J. Operational Check of the Wing Leak Thermostat ([Figure 501](#))

SUBTASK 710-002-A

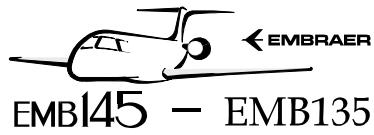
WARNING: BECAUSE OF THE HIGH TEMPERATURES, BE CAREFUL NOT TO BURN YOURSELF WHEN YOU HEAT THE LEAK THERMOSTAT.

- (1) Do the check as follows:
 - (a) (POST-MOD. [S.B.145-45-0001](#)) Turn the CMC RESET/ENABLE switch, on the Maintenance panel, to the ENABLE position.
 - (b) Slowly and continuously increase the temperature of the leak thermostat on the LH and RH half wing with a heat gun until it is higher than 93.3 °C (200 °F).
NOTE: The leak thermostat temperature cannot be higher than 250 °C (482 °F).
 - (c) Do a CMC downloading ([AMM TASK 45-45-00-970-802-A/200](#)) and make sure that these messages come into view:
Result:
1 WING 1 A/ICE LEAK and WING 2 A/ICE LEAK.

K. Follow-on

SUBTASK 842-002-A

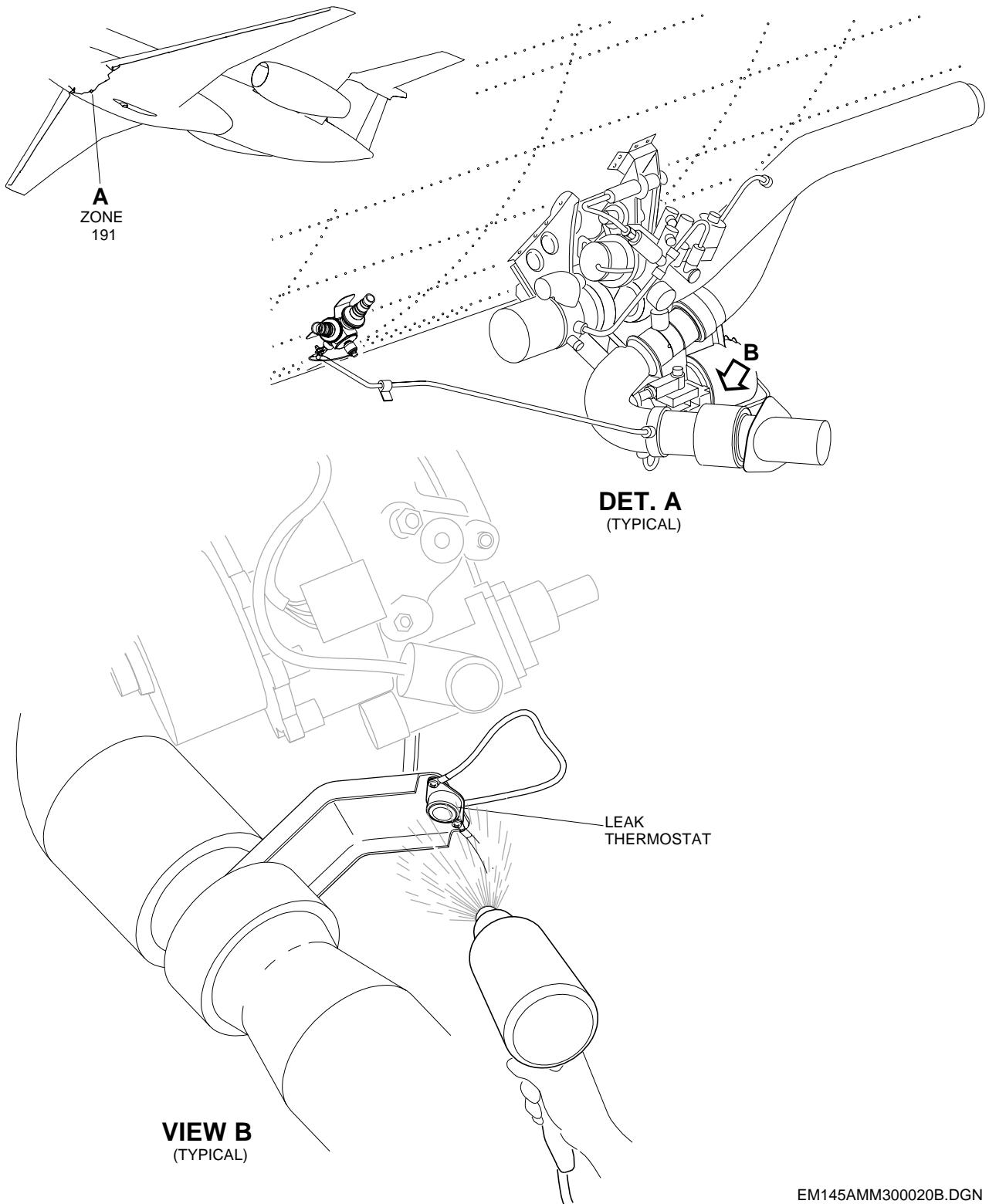
- (1) (POST-MOD. [S.B.145-45-0001](#)) Turn the CMC RESET/ENABLE switch, on the Maintenance panel, to the middle position.
- (2) De-energize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (3) Install the access panels that follow (AMM MPP 06-41-01/100), as applicable.
 - 191EL (leak thermostat of the LH half wing).
 - 191FR (leak thermostat of the RH half wing).



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- (4) Close maintenance panel door 223LZ ([AMM MPP 06-41-03/100](#)).

EFFECTIVITY: ALL
 Leak Thermostat - Check
 Figure 501



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