



AIRCRAFT MAINTENANCE MANUAL

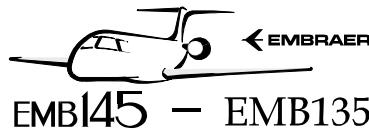
WING ANTI-ICING LOW PRESSURE SWITCH - REMOVAL/INSTALLATION

EFFECTIVITY: PRE-MOD. S.B. 145-30-0022

1. General

- A. This section gives the procedures to remove and install the low pressure switches of the Wing Thermal Anti-Icing System.
- B. These procedures are applicable to the LH and RH low pressure switches.
- C. The LH low pressure switch is installed on the LH side of the forward lower fairing.
- D. The RH low pressure switch is installed on the RH side of the forward lower fairing.
- E. 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
30-11-02-000-801-A	LOW PRESSURE SWITCH - REMOVAL	PRE-MOD. S.B. 145-30-0022
30-11-02-400-801-A	LOW PRESSURE SWITCH - INSTALLATION	PRE-MOD. S.B. 145-30-0022



EMB145 - EMB135

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TASK 30-11-02-000-801-A

EFFECTIVITY: PRE-MOD. S.B. 145-30-0022

2. LOW PRESSURE SWITCH - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the low pressure switch of the Wing Thermal Anti-Icing System.

B. References

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

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191EL	LH side of the forward lower fairing
191	191FR	RH side of the forward lower 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 side of the forward lower fairing

I. Preparation

SUBTASK 841-002-A

- (1) On the overhead Circuit Breaker Panel, open the circuit breaker below and attach a DO-NOT-CLOSE tag to it.
- WING (Location Tip: DC BUS 1/ICE AND RAIN PROTECTION/WING)
- (2) Remove access panel 191EL or 191FR (AMM MPP 06-41-01/100).



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

SUBTASK 020-002-A

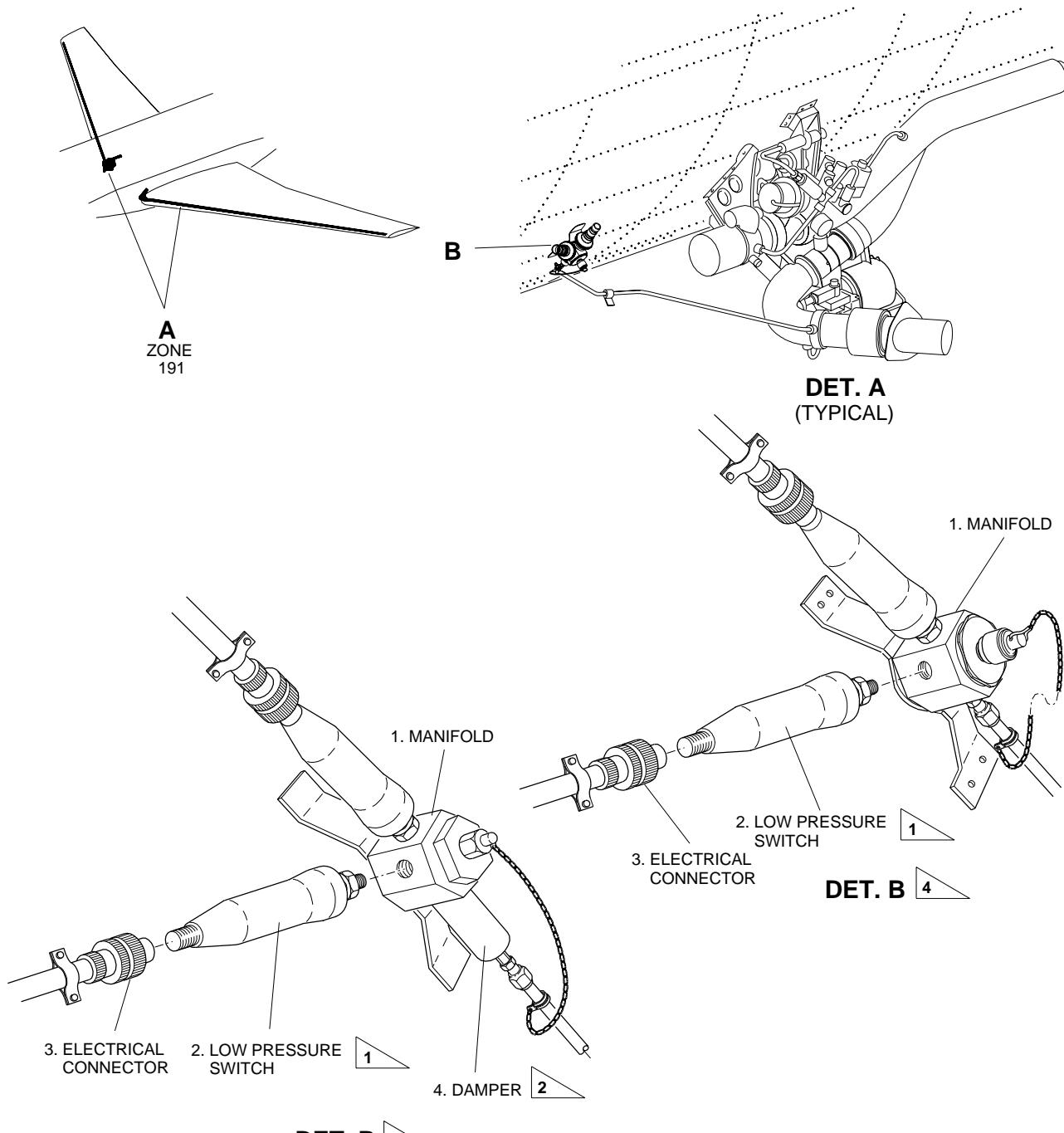
WARNING: DO NOT TOUCH THE DUCTS OR COMPONENTS OF THE ANTI-ICING SYSTEM IMMEDIATELY AFTER THE SYSTEM IS TURNED OFF, BECAUSE THE HIGH AIR TEMPERATURE CAN CAUSE INJURY TO PERSONS.

- (1) Disconnect the electrical connector (3).
- (2) Remove the low pressure switch (2) from the manifold (1).

EFFECTIVITY: PRE-MOD. S.B. 145-30-0022

Low Pressure Switch - Removal/Installation

Figure 401



DET. B 3

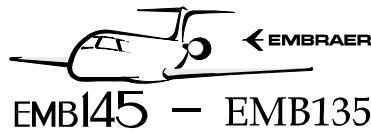
1 TORQUE: 100-175 lb.in (11.3 N.m-19.8 N.m)

2 TORQUE: 95-105 lb.in (10.7 N.m-11.9 N.m)

3 POST-MOD S.B. 145-30-0012

4 PRE-MOD S.B. 145-30-0012

145AMM300040.MCE C



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TASK 30-11-02-400-801-A

EFFECTIVITY: PRE-MOD. S.B. 145-30-0022

3. LOW PRESSURE SWITCH - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the low pressure switch of the Wing Thermal Anti-Icing System.

B. References

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

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191EL	LH side of the forward lower fairing
191	191FR	RH side of the forward lower fairing

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
A-A-58092	Teflon Tape 1/2 IN	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH or RH side of the forward lower fairing

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Apply one and half overlapping turns of Teflon Tape, on the thread of the low pressure switch (2).
- (2) Install the low pressure switch (2) to the manifold (1), with the torque required.
- (3) Connect the electrical connector (3) to the low pressure switch (2).



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J. Follow-on

SUBTASK 842-002-A

- (1) Install access panel 191EL or 191FR (AMM MPP 06-41-01/100).
- (2) On the overhead Circuit Breaker Panel, close the circuit breaker below and remove the DO-NOT-CLOSE tag from it.
 - WING (Location Tip: DC BUS 1/ICE AND RAIN PROTECTION/WING)