



AIRCRAFT MAINTENANCE MANUAL

WING ANTI-ICING LOW PRESSURE TRANSDUCER - REMOVAL/INSTALLATION

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

1. General

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



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

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

2. LOW PRESSURE TRANSDUCER - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the low pressure transducer 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 breakers below and attach a DO-NOT-CLOSE tag to them.
- WING: (Location Tip: DC BUS 1/ICE AND RAIN PROTECTION/WING).
 - WING A/I IND 2: (Location Tip: ESSENTIAL DC BUS 2/POWERPLANT/WING A/I IND 2).
- (2) Remove access panel 191EL or 191FR (AMM MPP 06-41-01/100).



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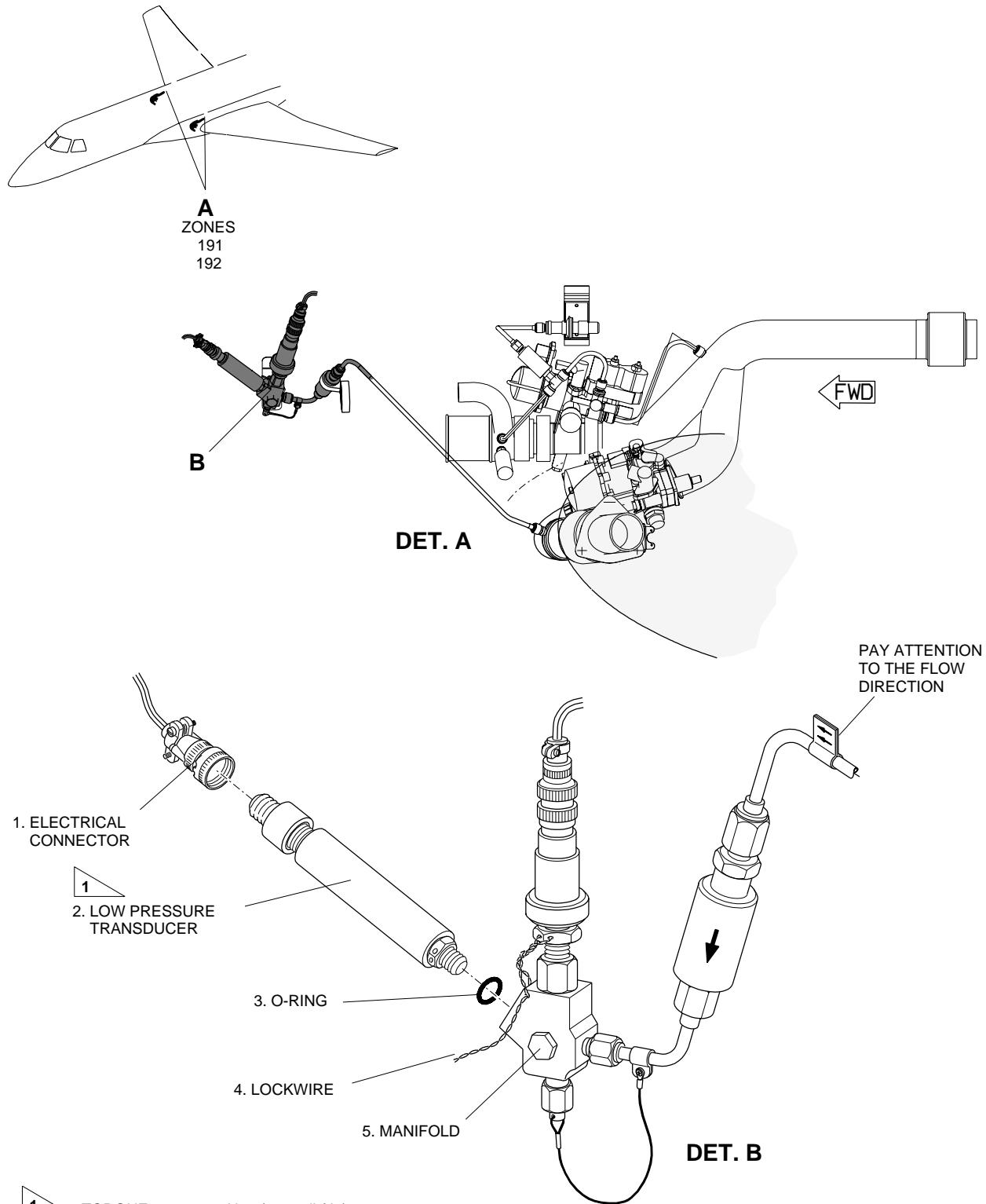
J. Removal ([Figure 401](#))

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 YOU.

- (1) Disconnect the electrical connector (1).
- (2) Cut the lockwire (4).
- (3) Disconnect low pressure transducer (2) from the manifold (5).
- (4) Remove and discard the old O-ring (4).

EFFECTIVITY: POST-MOD. S.B. 145-30-0022
Low Pressure Transducer - Removal/Installation
Figure 401



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

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

3. LOW PRESSURE TRANSDUCER - INSTALLATION

A. General

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

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 30-10-00-700-801-A/500	AIRFOIL ANTI-ICING SYSTEM - OPERATIONAL TEST
IPC 30-11-00	WING THERMAL ANTI-ICING SYSTEM

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
MS20995C20	Lockwire	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	IPC 30-11-00	1

H. Persons Recommended

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



EMB145 - EMB135

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I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install the low pressure transducer (2) and the new O-ring (3) to the manifold (5). Tighten to the specified torque and do not cause damage to the threads of the low pressure transducer (2) or of the manifold (5).
- (2) Safety the low pressure transducer (2) with the lockwire (4).
- (3) Connect the electrical connector (1) to the low pressure transducer (2).

J. Follow-on

SUBTASK 842-002-A

- (1) Do operational check ([AMM TASK 30-10-00-700-801-A/500](#)).
- (2) Install access panel 191EL or 191FR (AMM MPP 06-41-01/100).
- (3) On the overhead Circuit Breaker Panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them.
 - WING: (Location Tip: DC BUS 1/ICE AND RAIN PROTECTION/WING).
 - WING A/I IND 2: (Location Tip: ESSENTIAL DC BUS 2/POWERPLANT/WING A/I IND 2).