

## 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

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).

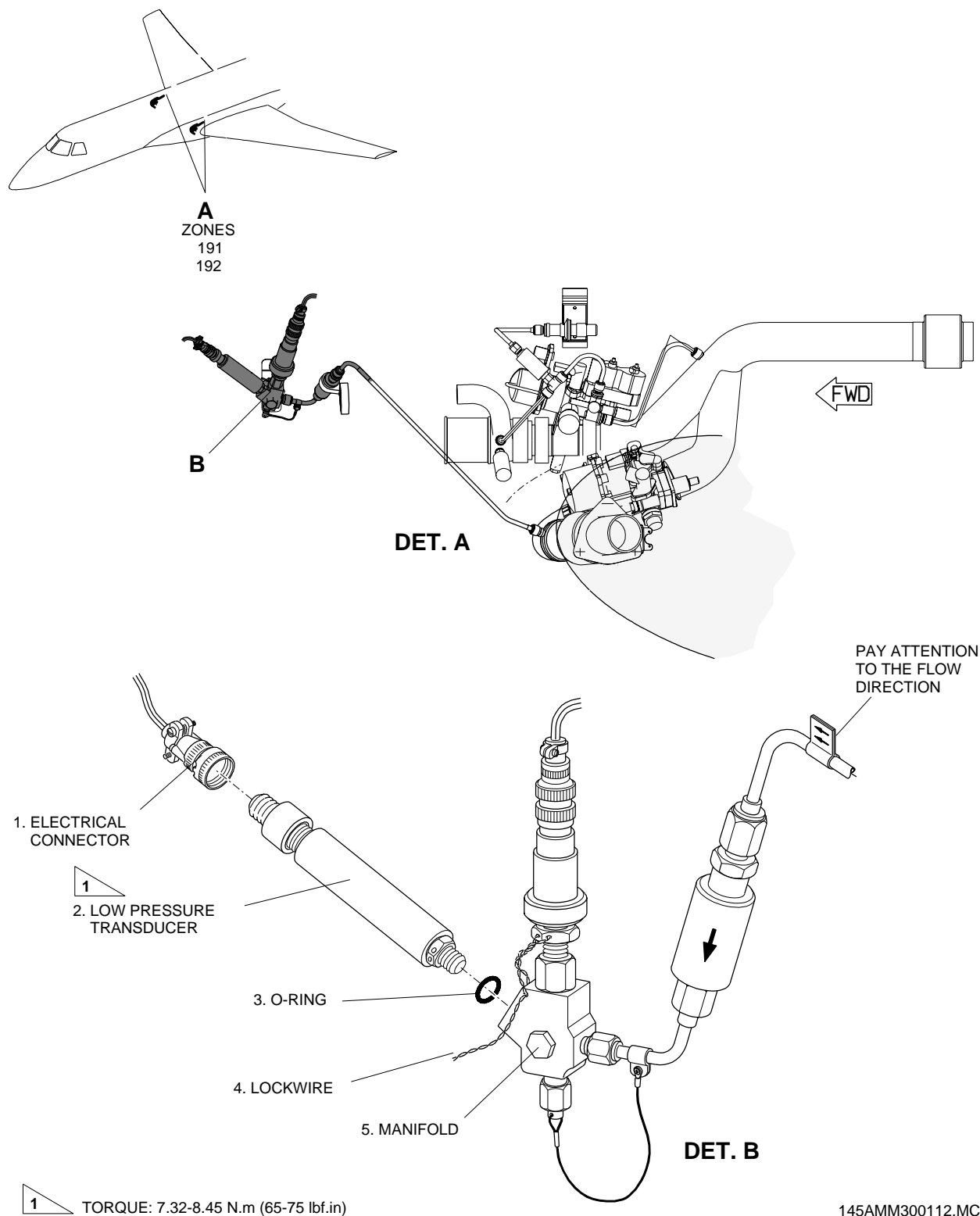
J. Removal ([Figure 401](#))

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	-
<a href="#">AMM TASK 30-10-00-700-801-A/500</a>	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

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).