

EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

WING ANTI-ICING PICCOLO BURST PRESSURE TRANSDUCER - REMOVAL/INSTALLATION

EFFECTIVITY: POST-MOD. S.B. 145-30-0026

1. General

- A. This section gives the procedures to remove and install the piccolo burst pressure transducer of the Wing Thermal Anti-Icing System.
- B. These procedures are applicable to the LH and RH piccolo burst pressure transducer.
- C. The LH piccolo burst pressure transducer is installed on the LH side of the forward lower fairing.
- D. The RH piccolo burst 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
30-11-12-000-801-A	BURST PRESSURE TRANSDUCER - REMOVAL	POST-MOD. S.B. 145-30-0026
30-11-12-400-801-A	BURST PRESSURE TRANSDUCER - INSTALLATION	POST-MOD. S.B. 145-30-0026



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 30-11-12-000-801-A

EFFECTIVITY: POST-MOD. S.B. 145-30-0026

2. BURST PRESSURE TRANSDUCER - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the piccolo burst 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
511	511AL	LH side of the forward lower fairing
611	611AR	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
1	Helps the other technician	LH or RH side of the forward lower fairing

I. Preparation

SUBTASK 841-002-A

- (1) On the 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 1: (Location Tip: DC BUS 2/ICE AND RAIN PROTECTION/WING A/I IND 1).
- (2) Remove access panel 511AL or 611AR (AMM MPP 06-41-01/100).
- (3) Remove the landing light lens.



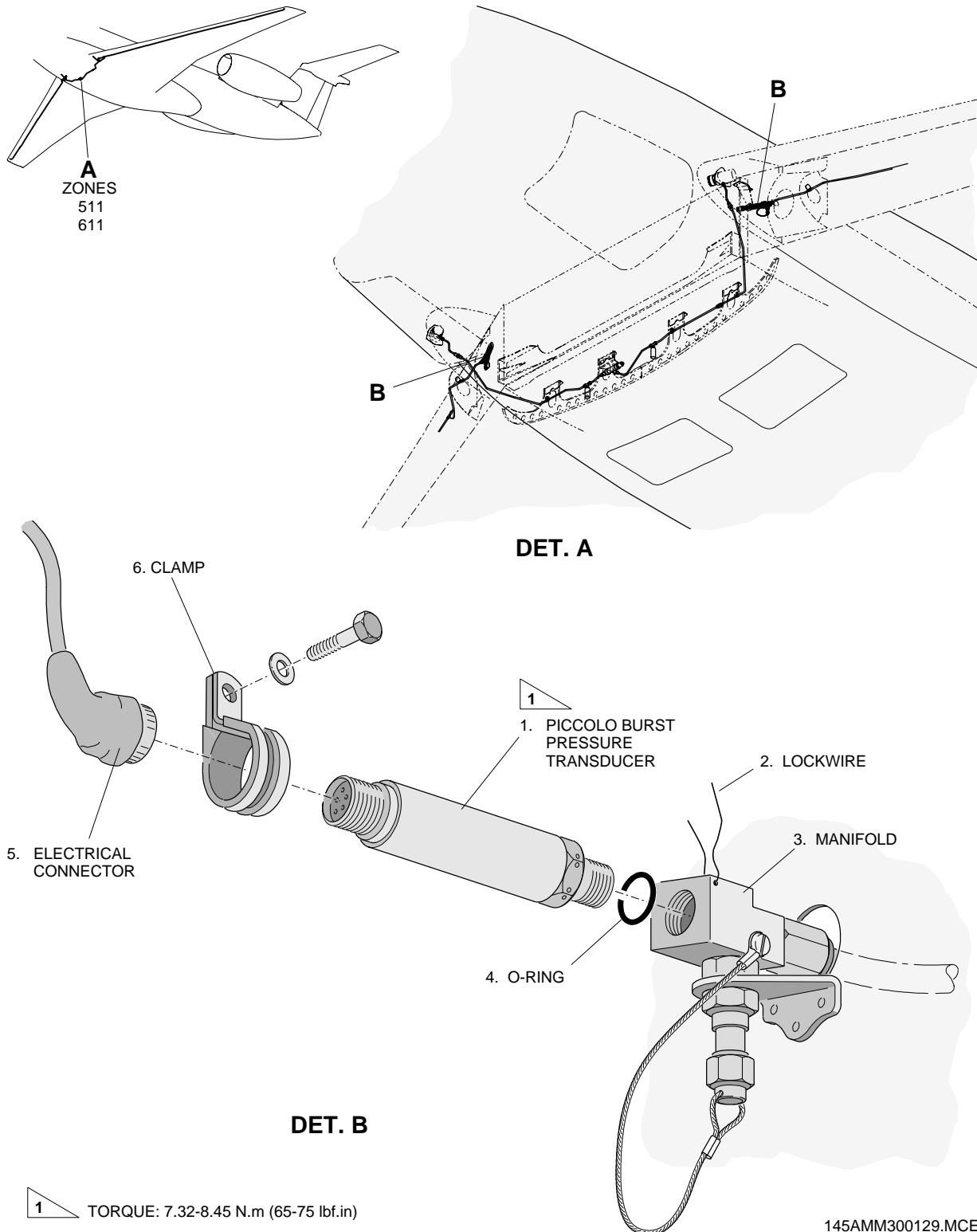
AIRCRAFT
MAINTENANCE MANUAL

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

SUBTASK 020-002-A

- (1) Cut the lockwire (2).
- (2) Loosen the clamp (6).
- (3) Disconnect the electrical connector (5).
- (4) Remove the piccolo burst pressure transducer (1) from the manifold (3).
- (5) Remove and discard the old O-ring (4).

EFFECTIVITY: POST-MOD. S.B. 145-30-0026
Piccolo Burst Pressure Transducer - Removal/Installation
Figure 401





AIRCRAFT
MAINTENANCE MANUAL

TASK 30-11-12-400-801-A

EFFECTIVITY: POST-MOD. S.B. 145-30-0026

3. BURST PRESSURE TRANSDUCER - INSTALLATION

A. General

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

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
IPC 30-11-00	WING THERMAL ANTI-ICING SYSTEM

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
511	511AL	LH side of the forward lower fairing
611	611AR	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
1	Helps the other technician	LH or RH side of the forward lower fairing



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the piccolo burst pressure transducer (1) in its installation position with new O-ring (4). Tighten to the specified torque and do not cause damage to the threads of the piccolo burst pressure transducer (1) or of the manifold (3).
- (2) Tighten the clamp (6) to attach the piccolo burst pressure transducer (1).
- (3) Connect the electrical connector (1).
- (4) Safety the piccolo burst pressure transducer (1) with the lockwire (2).

J. Follow-on

SUBTASK 842-002-A

- (1) On the 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 1: (Location Tip: DC BUS 2/ICE AND RAIN PROTECTION/WING A/I IND 1).
- (2) Examine the tube connections for leaks.
- (3) Install access panel 511AL or 611AR (AMM MPP 06-41-01/100).
- (4) Install the landing light lens.