

AIRCRAFT MAINTENANCE MANUAL

WING ANTI-ICING PRESSURE DAMPER - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH PRESSURE DAMPER

1. General

- A. This section gives the procedures to remove and install the pressure damper of the Wing Thermal Anti-Icing System.
- B. These procedures are applicable to the LH and RH pressure dampers.
- C. The LH pressure damper is installed on the LH side of the forward lower fairing.
- D. The RH pressure damper 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
30-11-14-000-801-A	PRESSURE DAMPER - REMOVAL	AIRCRAFT WITH PRESSURE DAMPER
30-11-14-400-801-A	PRESSURE DAMPER - INSTALLATION	AIRCRAFT WITH PRESSURE DAMPER

TASK 30-11-14-000-801-A
EFFECTIVITY: AIRCRAFT WITH PRESSURE DAMPER
2. PRESSURE DAMPER - REMOVAL
A. General

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

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM MPP 06-41-01/100	-
S.B.145-30-0022	-

C. Zones and Accesses

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
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

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
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

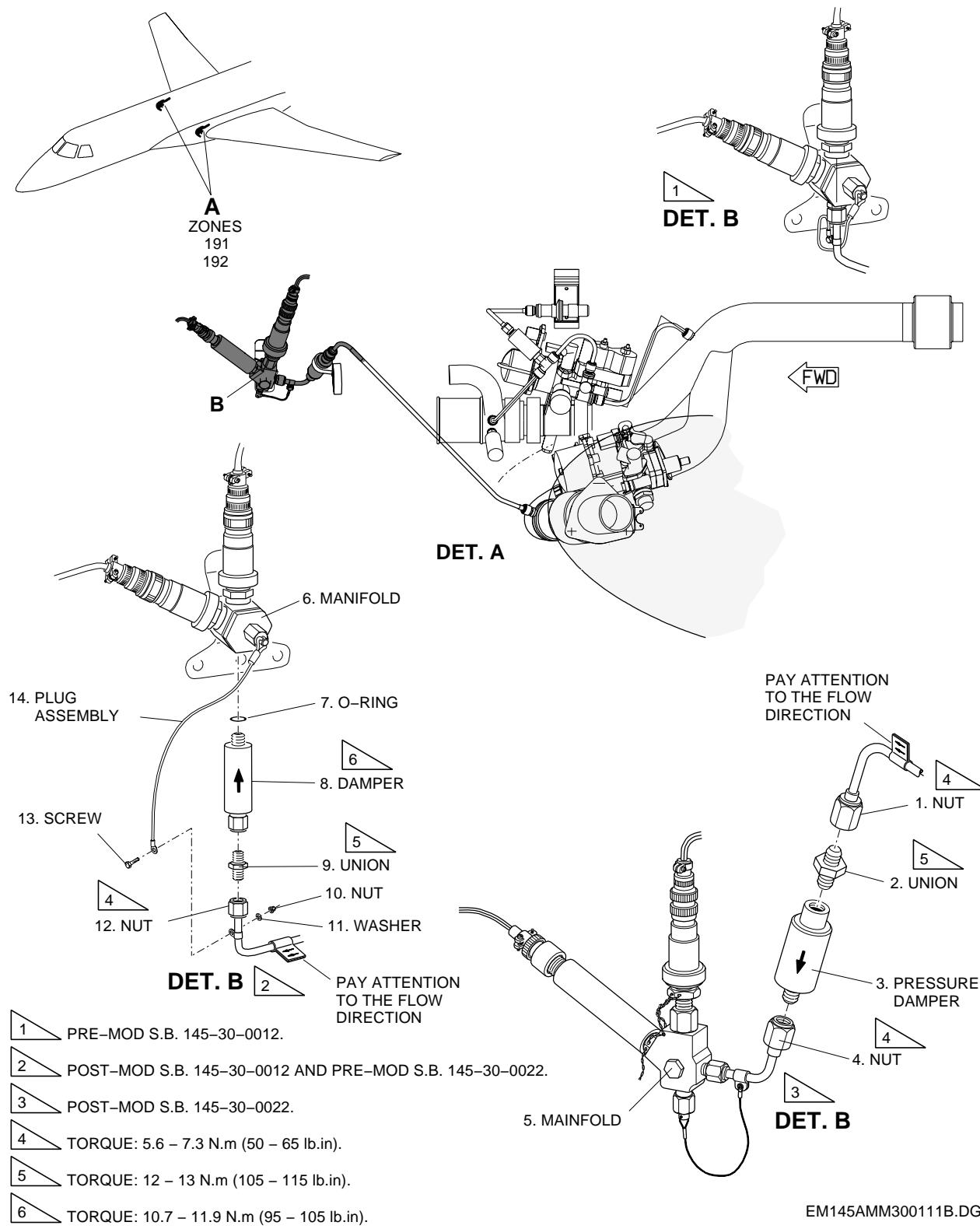
WARNING: DO NOT TOUCH THE DUCTS OR COMPONENTS OF THE ANTI-ICING SYSTEM IMMEDIATELY AFTER THE SYSTEM IS TURNED OFF, BECAUSE THE HIGH AIR TEMPERATURE CAN CAUSE INJURY TO YOU.

- (1) (PRE-MOD. [S.B.145-30-0022](#))
 - (a) Remove the screw (13), the washer (11) and the nut (10).
 - (b) Loosen the nut (12) from the union (9).
 - (c) Remove the pressure damper (8) from the manifold (6).
 - (d) Remove and discard the old O-ring (7).
- (2) (POST-MOD. [S.B.145-30-0022](#))
 - (a) Loosen the nut (1) from the union (2).
 - (b) Loosen the nut (4) and remove the pressure damper (3) with the union (2).
 - (c) Remove the union (2) from the pressure damper (3).
 - (d) If applicable to the aircraft configuration, remove the clamp that attaches the pressure damper (3) to the tube of the cooling pack system.

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Pressure Damper - Removal/Installation

Figure 401





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TASK 30-11-14-400-801-A

EFFECTIVITY: AIRCRAFT WITH PRESSURE DAMPER

3. PRESSURE DAMPER - INSTALLATION

A. General

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

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
IPC 30-13-00	CENTER FUSLG THERMAL ANTI-ICING SYSTEM
S.B.145-30-0022	-

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. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	IPC 30-13-00	1/LRU

H. Persons Recommended

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

I. Preparation

SUBTASK 841-003-A

- (1) With a clean dry cloth, clean the thread portion of the pressure damper (8) and the connections, where you will install the pressure damper.
- (2) Before the installation, clean the pressure damper (30-11-14-100-801-A).



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- (3) After the cleaning, remove the lints or other residues that can possibly stay on the parts.

J. Installation (Figure 401)

SUBTASK 420-002-A

NOTE: When you install the pressure damper (8), pay attention to the flow indication on the tube and on the pressure damper body, as applicable.

- (1) (PRE-MOD. [S.B.145-30-0022](#))
 - (a) Install the pressure damper (8) with the new O-ring (7) to the manifold (6). Use a torque wrench to torque the pressure damper to 10.7 - 11.9 N.m (95 - 105 lb.in).
 - (b) Install the union (9) to the pressure damper (8). Use a torque wrench to torque the union to 12 - 13 N.m (105 - 115 lb.in).
 - (c) Tighten the nut (12) to the union (9). Use a torque wrench to torque the nut to 5.6 - 7.3 N.m (50 - 65 lb.in).
 - (d) Install the plug assembly (14) with screw (13), the washer (11) and the nut (10).
- (2) (POST-MOD. [S.B.145-30-0022](#))
 - (a) Install the union (2) to the pressure damper (3). Use a torque wrench to torque the union to 12 - 13 N.m (105 - 115 lb.in).
 - (b) Tighten the nut (1) to the union (2). Use a torque wrench to torque the nut to 5.6 - 7.3 N.m (50 - 65 lb.in).
 - (c) Tighten the nut (4) to the pressure damper (3). Use a torque wrench to torque the nut to 5.6 - 7.3 N.m (50 - 65 lb.in).
 - (d) If applicable to the aircraft configuration, install the clamp that attaches the pressure damper (3) to the tube of the cooling pack system.

K. 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).