



AIRCRAFT MAINTENANCE MANUAL

HORIZONTAL-STABILIZER 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 Horizontal-Stabilizer Thermal Anti-Icing System.
- B. 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
30-12-13-000-801-A	PRESSURE DAMPER - REMOVAL	AIRCRAFT WITH PRESSURE DAMPER
30-12-13-400-801-A	PRESSURE DAMPER - INSTALLATION	AIRCRAFT WITH PRESSURE DAMPER



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 30-12-13-000-801-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 Horizontal-Stabilizer Thermal Anti-Icing System.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
S.B.145-30-0022	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
324	324EL	LH side of the vertical stabilizer

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Ladder	To get access to the pressure damper	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH and RH sides of the vertical stabilizer

I. Preparation

SUBTASK 841-002-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) On the overhead Circuit Breaker Panel, open the circuit breaker below and attach a DO-NOT-CLOSE tag to it.
- STAB: (Location Tip: DC BUS 2/ICE AND RAIN PROTECTION/STAB).



AIRCRAFT MAINTENANCE MANUAL

- (2) Remove access panel 324EL (AMM MPP 06-42-00/100).

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

SUBTASK 020-002-A

- (1) (PRE-MOD. [S.B.145-30-0022](#))

- (a) Disconnect the pressure damper (2) from the tube (3).
- (b) Disconnect the pressure damper (2) from the hose assembly (1).

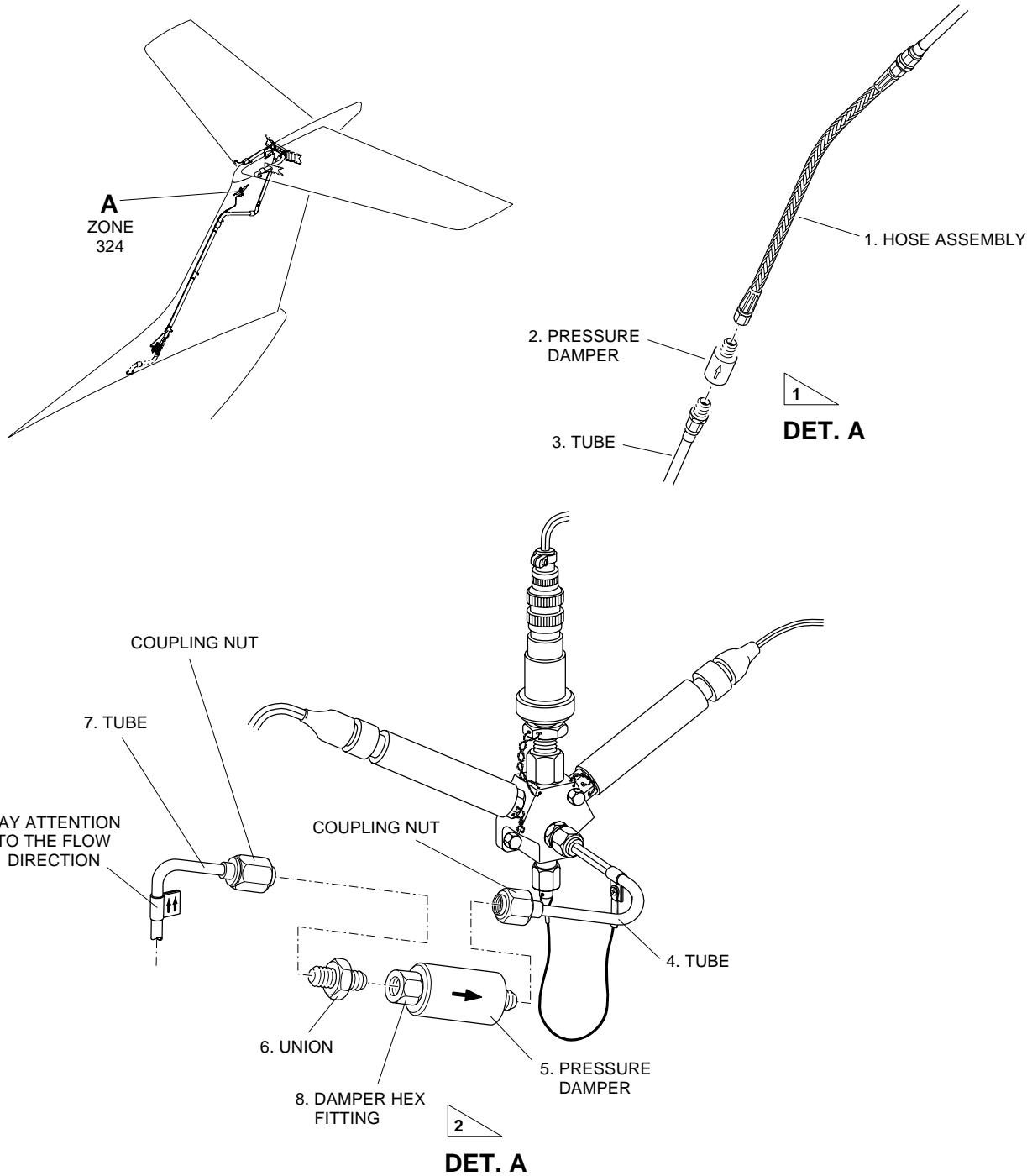
- (2) (POST-MOD. [S.B.145-30-0022](#))

- (a) With the wrench, hold the union (6) and, with other wrench, loosen the coupling nut of the tube (7).
- (b) With the wrench, hold the damper hex fitting (8) and, with other wrench, loosen the coupling nut of the tube (4).
- (c) Disconnect and keep the union (6).

EFFECTIVITY: AIRCRAFT WITH PRESSURE DAMPER

Pressure Damper - Removal/Installation

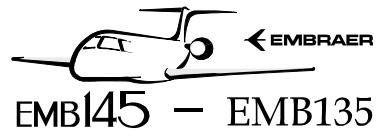
Figure 401



1 POST-MOD. S.B. 145-30-0015 AND
PRE-MOD. S.B. 145-30-0022

2 POST-MOD S.B.145-30-0022

145AMM300114.MCE A



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 30-12-13-400-801-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 Horizontal-Stabilizer Thermal Anti-Icing System.

B. References

REFERENCE	DESIGNATION
30-12-13-100-801-A	-
AMM MPP 06-42-00/100	-
S.B.145-30-0022	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
324	324EL	LH side of the vertical stabilizer

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995C32	Lockwire	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH and RH sides of the vertical stabilizer

I. Preparation

SUBTASK 841-003-A

- (1) With a clean dry cloth, clean the threaded portion of the pressure damper and of the points, where the pressure damper will be installed.
- (2) Before the installation, clean the pressure damper (30-12-13-100-801-A).
- (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 and on its body and, pay attention to the flow indication on the tube (6) and on its body, as applicable.

- (1) (PRE-MOD. [S.B.145-30-0022](#))
 - (a) Install the pressure damper (2) to the tube (3) and the hose assembly (1).
- (2) (POST-MOD. [S.B.145-30-0022](#))
 - (a) Connect the union (6) to the damper (5), according to the flow indication on its body and on the tube (7).
 - (b) With the wrench, hold the union (6) and, with other wrench, connect the coupling nut of the tube (7) to the union (6).
 - (c) With the wrench, hold the damper hex fitting (8) and, with other wrench, connect the coupling nut of the tube (4) to the damper (5).

K. Follow-on

SUBTASK 842-002-A

- (1) Install access panel 324EL (AMM MPP 06-42-00/100).
- (2) On the overhead Circuit Breaker Panel, close the circuit breaker below and remove the DO-NOT-CLOSE tag from it.
 - STAB: (Location Tip: DC BUS 2/ICE AND RAIN PROTECTION/STAB).