



AIRCRAFT
MAINTENANCE MANUAL

HORIZONTAL-STABILIZER ANTI-ICING DAMPING CHAMBER - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the damping chambers of the Horizontal-Stabilizer Thermal Anti-Icing System.
- B. These procedures are applicable to the two damping chambers of the Horizontal-Stabilizer Thermal Anti-Icing System.
- C. The damping chambers are installed in the LH and RH leading edges of the horizontal stabilizer.
- D. 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
30-12-09-000-801-A	DAMPING CHAMBER - REMOVAL	ALL
30-12-09-400-801-A	DAMPING CHAMBER - INSTALLATION	ALL



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TASK 30-12-09-000-801-A

EFFECTIVITY: ALL

2. DAMPING CHAMBER - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the damping chamber of the Horizontal-Stabilizer Thermal Anti-Icing System.

B. References

REFERENCE	DESIGNATION
AMM TASK 55-15-00-000-801-A/400	HORIZONTAL-STABILIZER LEADING EDGE - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
333		LH side of the horizontal stabilizer
334		RH side of the horizontal stabilizer

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 horizontal 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).
- (2) Remove leading edge of the horizontal stabilizer 331 or 332 (AMM TASK 55-15-00-000-801-A/400).



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

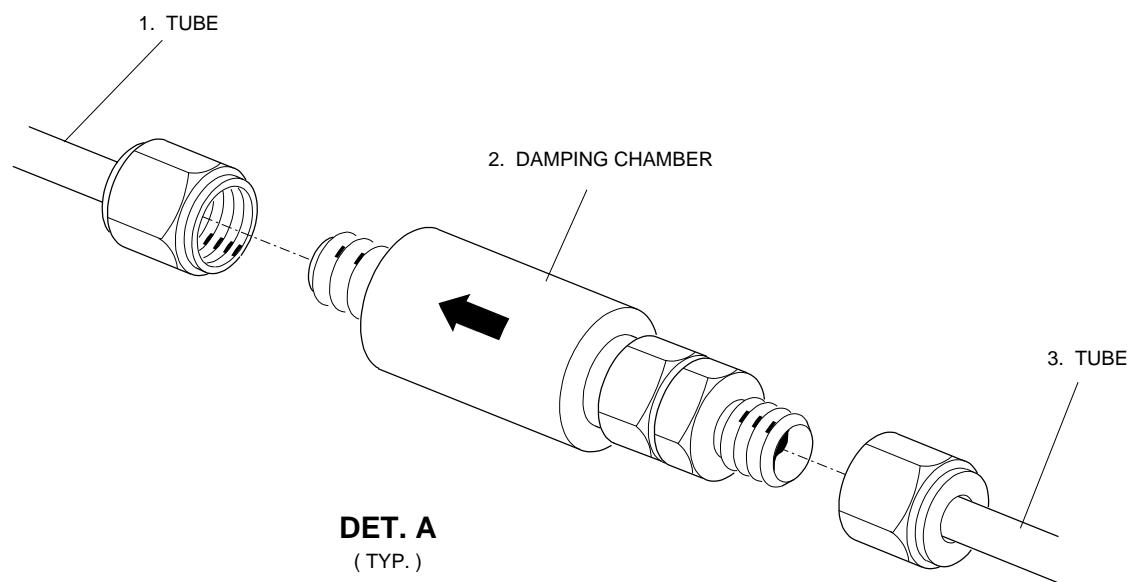
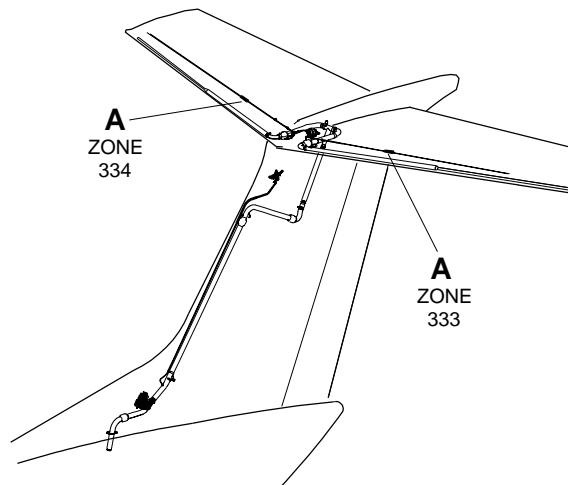
SUBTASK 020-002-A

- (1) Disconnect the tubes (1) and (3).
- (2) Remove the damping chamber (2).

EFFECTIVITY: ALL

Damping Chamber - Removal/Installation

Figure 401



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TASK 30-12-09-400-801-A

EFFECTIVITY: ALL

3. DAMPING CHAMBER - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the damping chamber of the Horizontal-Stabilizer Thermal Anti-Icing System.

B. References

REFERENCE	DESIGNATION
AMM TASK 55-15-00-000-801-A/400	HORIZONTAL-STABILIZER LEADING EDGE - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
333		LH side of the horizontal stabilizer
334		RH side of the horizontal stabilizer

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 horizontal stabilizer

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the damping chamber (2) between the tubes (1) and (3).

NOTE: The damping chamber must be installed with the flow direction arrow (on its body) pointed to the root of the horizontal stabilizer.

- (2) Connect the tubes (1) and (3).



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J. Follow-on

SUBTASK 842-002-A

- (1) 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).
- (2) Examine the damping chamber connections for leaks.
- (3) Install leading edge of the horizontal stabilizer 331 or 332 ([AMM TASK 55-15-00-000-801-A/400](#)).