



## AIRCRAFT MAINTENANCE MANUAL

### ENGINE ANTI-ICING VALVE - INSPECTION/CHECK

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedures to do an inspection on the engine anti-icing valve.
- 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
30-21-01-200-801-A	ENGINE ANTI-ICING VALVE - INSPEC- TION/CHECK	ALL



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 30-21-01-200-801-A

EFFECTIVITY: ALL

2. ENGINE ANTI-ICING VALVE - INSPECTION/CHECK

A. General

(1) This procedure gives the instructions to do an inspection on the engine anti-icing valve.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-43-00/100	- COMPONENT LOCATION
AMM TASK 30-21-01-000-801-A/400	ANTI-ICING VALVE - REMOVAL
AMM TASK 30-21-01-400-801-A/400	ANTI-ICING VALVE - INSTALLATION
AMM TASK 30-21-05-200-801-A/600	ENGINE ANTI-ICING DUCT - DETAILED INSPECTION
AMM TASK 30-21-05-200-802-A/600	ENGINE ANTI-ICING DUCT - BORESCOPIRIC INSPEC- TION
S.B.145-30-0044	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
412	412AT	Upper cowling of the LH powerplant
422	422AT	Upper cowling of the RH powerplant

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Ladder	To get access to the engine anti-icing valve	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH or RH powerplant
1	Helps the other technician	LH or RH powerplant



I. Preparation

SUBTASK 841-002-A

- (1) Open panel 412AT or 422AT of the upper cowling ( [AMM MPP 06-43-00/100](#)).
- (2) Remove the engine anti-icing valve ( [AMM TASK 30-21-01-000-801-A/400](#)).

J. Inspection ([Figure 601](#))

SUBTASK 220-002-A

- (1) Do a special detailed inspection on the valve for integrity.
  - (a) Make sure that:  
Result:
    - 1 There is no piece of the valve spring seat broken off (refer to [Figure 601](#)).
  - (b) If there are inner parts of the valve broken off:  
Result:
    - 1 Remove the defective engine anti-icing valve from service.
    - 2 (PRE-MOD. [S.B.145-30-0044](#)) Do an inspection on the engine anti-icing duct looking for possible debris ([AMM TASK 30-21-05-200-801-A/600](#) or [AMM TASK 30-21-05-200-802-A/600](#).).

K. Follow-on

SUBTASK 842-002-A

- (1) Install the engine anti-icing valve ( [AMM TASK 30-21-01-400-801-A/400](#)).
- (2) Close access panel 412AT or 422AT of the upper cowling ( [AMM MPP 06-43-00/100](#)).
- (3) Make sure that you did not let tools stay in the work area and that all parts are correctly installed.

**EFFECTIVITY: ALL**

Engine Anti-Icing Valve - Inspection/Check

Figure 601

