30

ICE AND RAIN PROTECTION

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ICE AND RAIN PROTECTION

DESCRIPTION AND OPERATION

1. GENERAL (Figure 1)

The ice and rain protection system allows to prevent or remove ice accumulation on various surfaces of the aircraft.

The system consists of :

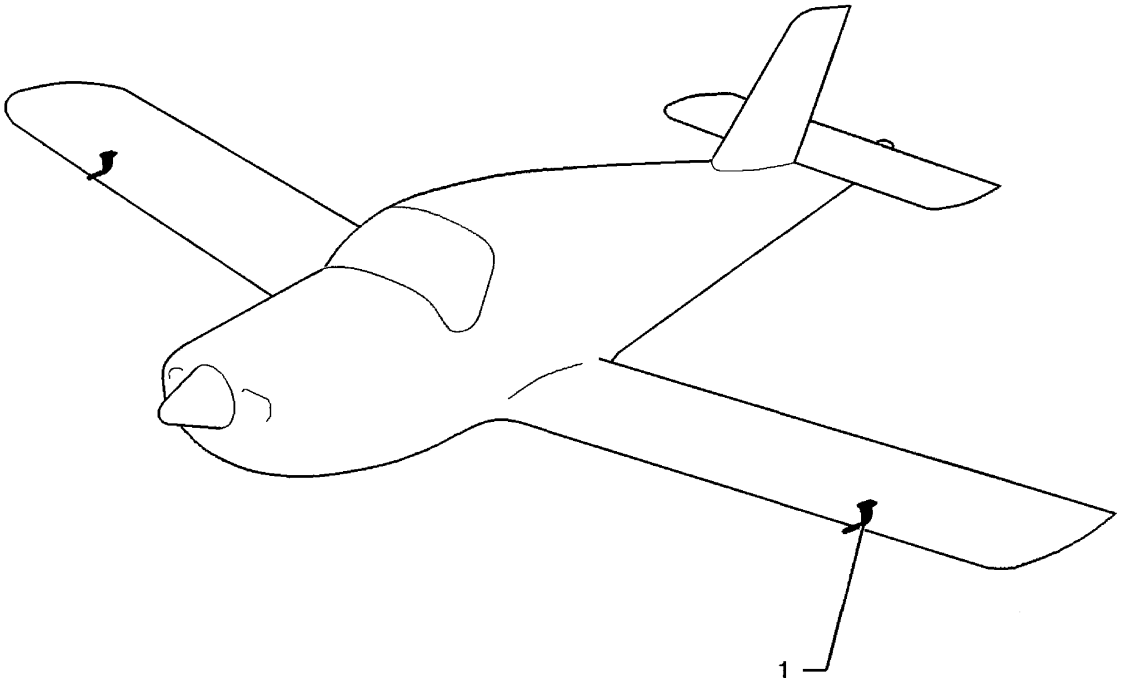
- the Pitot tube heating.

2. DESCRIPTION

A. Pitot tube heating - refer to 30-30-00

Pitot tube(s) is (are) electrically heated.

1 - Pitot tube heating



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Ice and rain protection – Description and Operation
Figure 1

AIRSPEED INDICATING SYSTEM

DESCRIPTION AND OPERATION

1. GENERAL

The deicing system of the airspeed indicating system is provided by electric heating of the Pitot tube.

The system consists of :

- the Pitot tube,
- the indicator light,
- the switch.

2. LOCATION (Figure 1)

COMPONENT	QTY	AREA	ACCESS DOOR	REFERENCE
Pitot tube	1	500	/	30-30-00
Indicator light	1	250	251 L	30-30-00
Switch	1	250	252	30-30-00

3. DESCRIPTION

A. Pitot tube

The Pitot tube heating is provided by a resistor inside the tube. It is located under the L.H. wing.

NOTE : A second Pitot tube can be installed under the R.H. wing.

B. Indicator light

When the Pitot deicing system operates, one (or two) green indicator light(s) comes (come) on at the advisory panel.

C. Switch

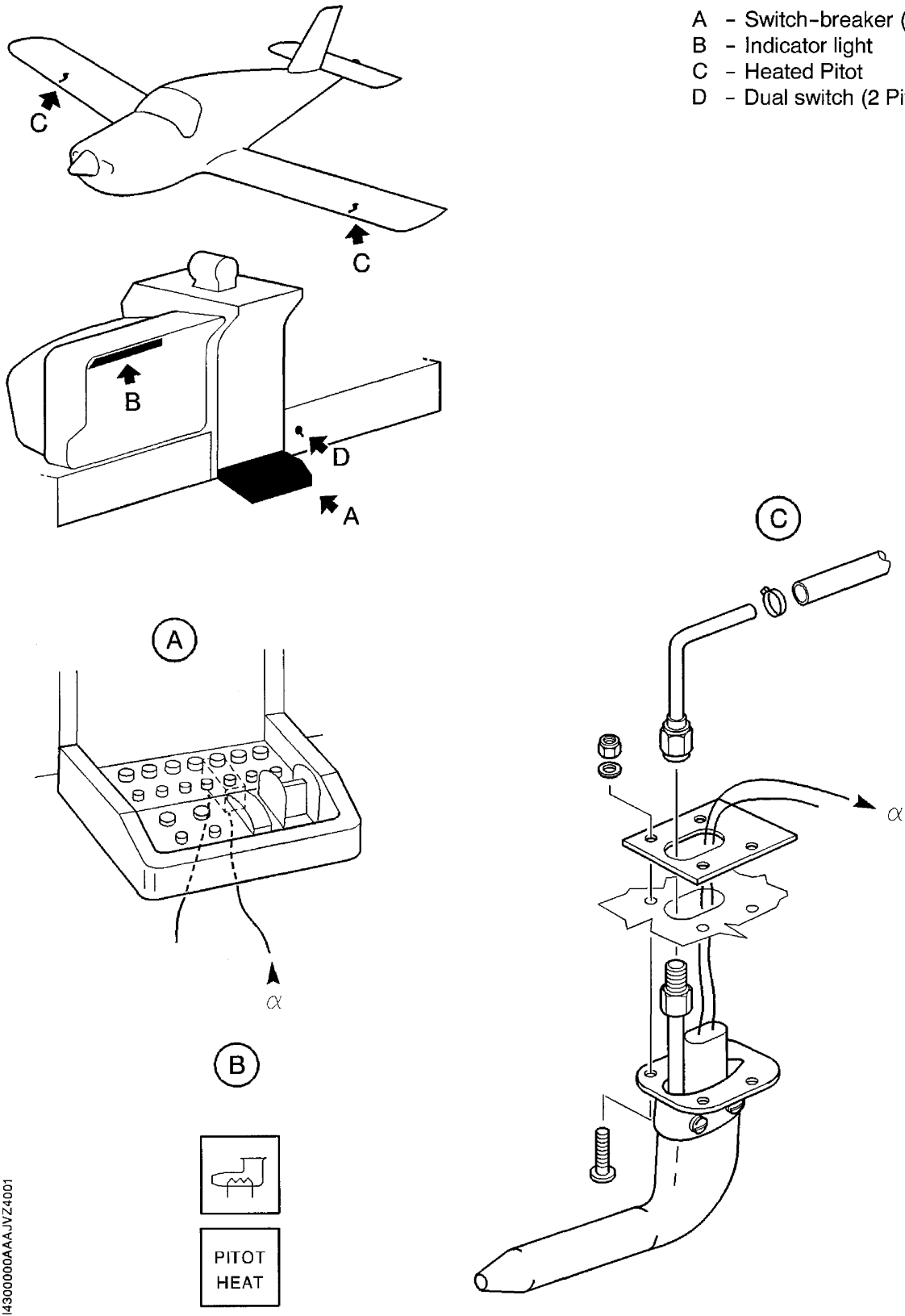
With only one Pitot tube

The switch-breaker located on the front pedestal energizes the Pitot tube heating.

With two Pitot tubes

The dual switch located on the R.H. lower panel strip energizes the Pitot tube heating. In this case, circuits are protected by two circuit breakers located on circuit breakers panel.

A - Switch-breaker (1 Pitot tube)
B - Indicator light
C - Heated Pitot
D - Dual switch (2 Pitot tubes)



Airspeed indicating system - Identification and location of components
Figure 1

AIRSPEED INDICATING SYSTEM

ADJUSTMENT / TEST

NOTE : This procedure is applicable to L.H. and R.H. installations. Information specific to R.H. installation are given in square brackets.

1. OPERATIONAL TEST OF PITOT TUBE HEATING

A. Tools and consumable materials

- Ground power unit

B. Procedure

1) Make sure Pitot tube cover is removed.

2) If required, connect the ground power unit - refer to 24-40-00.

3) Close main switch-breaker.

With only one Pitot tube

4) Close Pitot tube heating switch-breaker.

With two Pitot tubes

4) Make sure "Left Pitot" and "Right Pitot" circuit breakers are closed.

5) Set dual switch to "ON".

All

6) Check illumination of indicator light on the advisory panel.

WARNING : CONTACT WITH HEATED PITOT TUBE MAY PROVOKE SEVERE BURNS. DETECT HEAT BY APPROACHING THE HAND, TAKE CARE NOT TO BE IN CONTACT WITH PITOT TUBE.

7) Check that Pitot tube heats itself.

8) Open Pitot heating switch-breaker. [Set dual switch to "OFF".]

9) Open main switch-breaker.

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