

GROUP D. 9

WINDSCREEN DE-ICING PUMP (CODE WS)

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Windscreen de-icing pump 1

Equipment employed

1. The major components employed in the windscreen de-icing pump circuit are quoted below, together with the appropriate Air Publications to which

reference should be made for a detailed description and the necessary servicing required to maintain them in an efficient condition.

Pump, Type D1, Mk. 1 A.P. 4343D, Vol. 1, Sect. 10, Chap. 1

Switch, Rotax Type D.5405 A.P.4343C, Vol.1, Sect.1, Chap. -

DESCRIPTION

Windscreen de-icing pump

2. The electrically-operated self-priming windscreen de-icing pump is bolted to a bracket attached to the port side of the nose fuselage structure between frames 4 and 5. The pump is controlled by a single-pole, spring return ON/OFF switch situated on the starboard arch panel in the cabin and, when operating, supplies de-icing fluid from a tank to a spray unit below and forward of the windscreen.

Operation

3. The operation of this circuit should be obvious, once reference is made to the theoretical diagram given in fig.1 of this group. For a full description of the windscreen de-icing system reference should be made to Section 3, Chapter 9 of this volume.

SERVICING

General

4. For a general servicing of the electrical system as a whole, reference should be made to Group A of this chapter. Apart from keeping all the components clean and carrying out the normal tests of security and serviceability, no further servicing should be necessary.

REMOVAL AND ASSEMBLY

General

5. Once access has been gained, via the nose wheel bay and cabin, the procedure for removing and assembling the components forming the windscreen de-icing pump circuit should be obvious. The location of the components is indicated in Group A of this chapter.

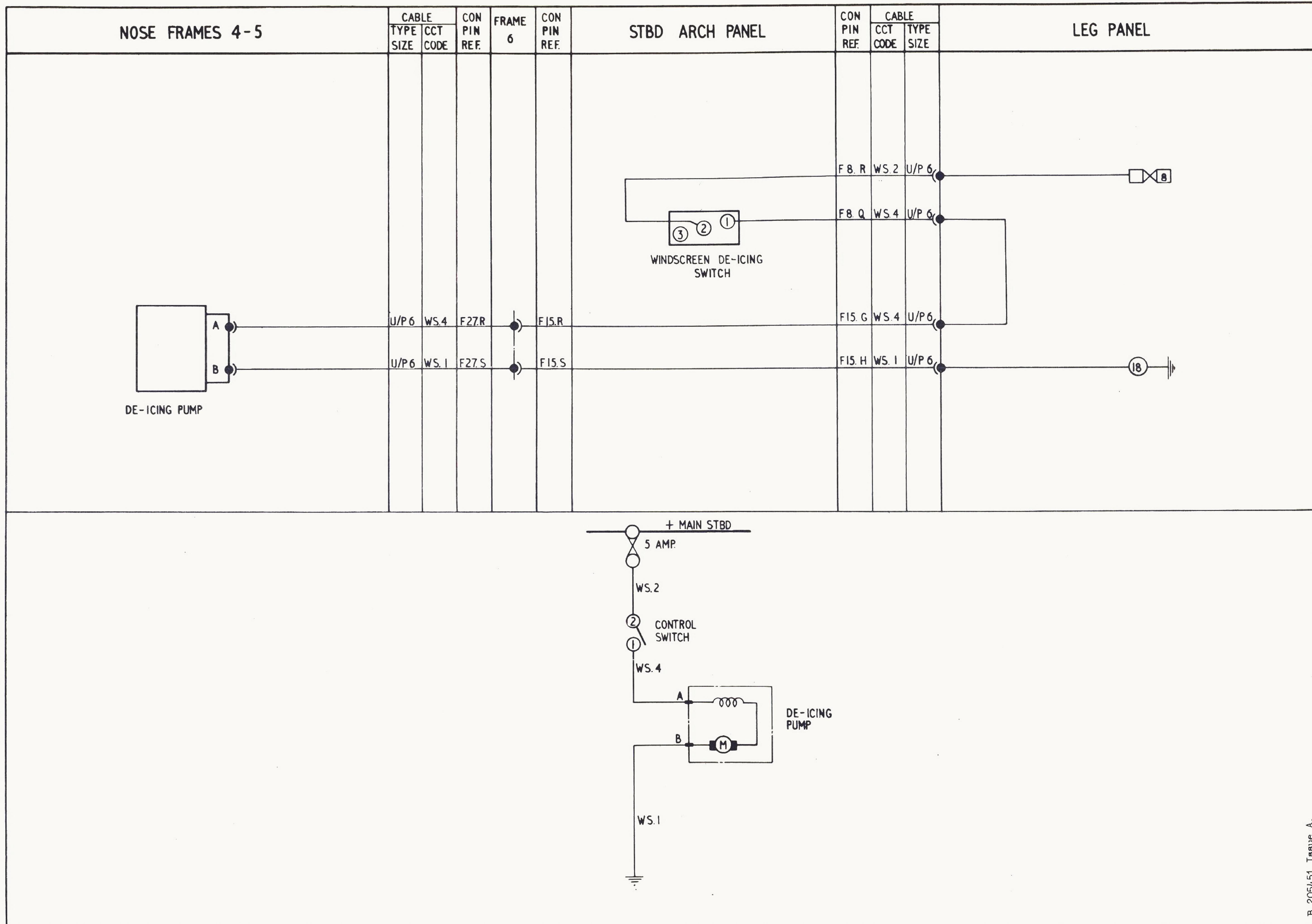


FIG. I. WINDSCREEN DE-ICING PUMP

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