

## GROUP D.9

## WINDSCREEN DE-ICING PUMP (CODE WS)

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**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. -

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.

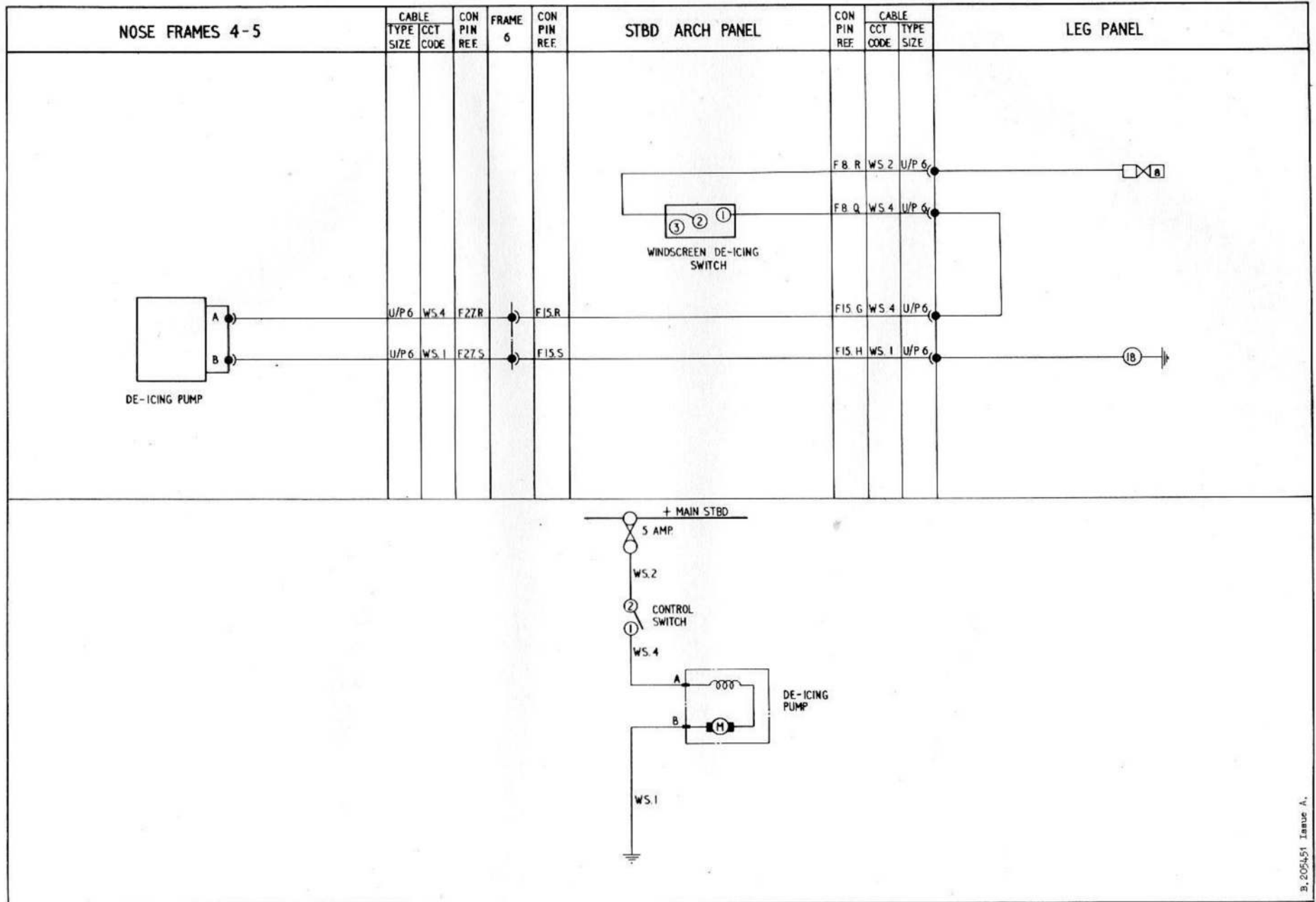


FIG. 1. WINDSCREEN DE-ICING PUMP

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