

Canceled

Chapter 4

CONTROL PANEL, ROTOL, TYPE SNP/3

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LEADING PARTICULARS

Control panel, Rotol, Type SNP/3	Ref. No. 5UC/6139
<i>Rating</i>	30V, a.c.
<i>Switch poles</i>	12
<i>Switch positions</i>	4
<i>Plug connection</i>	26 pole Breeze
<i>Weight</i>	1 lb. 4 oz.

Introduction

1. The control panel Type SNP/3 has been specially designed for use with the engine speed synchronising equipment which is fully described in A.P.4343, Vol. 1, Sect. 13, Chap. 5.
2. The control panel incorporates a four position switch wired to a Breeze plug; housed in a casing constructed of two parts, a panel and cover.
3. The switch is a 3 (double-sided) wafer, 12 pole, 4 position type and the Breeze plug is a 26 pin type.

DESCRIPTION

4. A sectioned view of the switch is given in Fig. 1. The front panel carries four 2BA inserts to allow mounting on a main panel, and also an engraved panel marked with the switch positions and the minimum control range of the synchroniser equipment.
5. Screwing into integral bosses on the rear face of the panel are two 5BA studs and two waisted pillars. The thread on one end of each stud is oversize, this end screws into the panel. The 2BA externally threaded ends of the pillars that screw into the panel are also oversize. The other ends of the pillars

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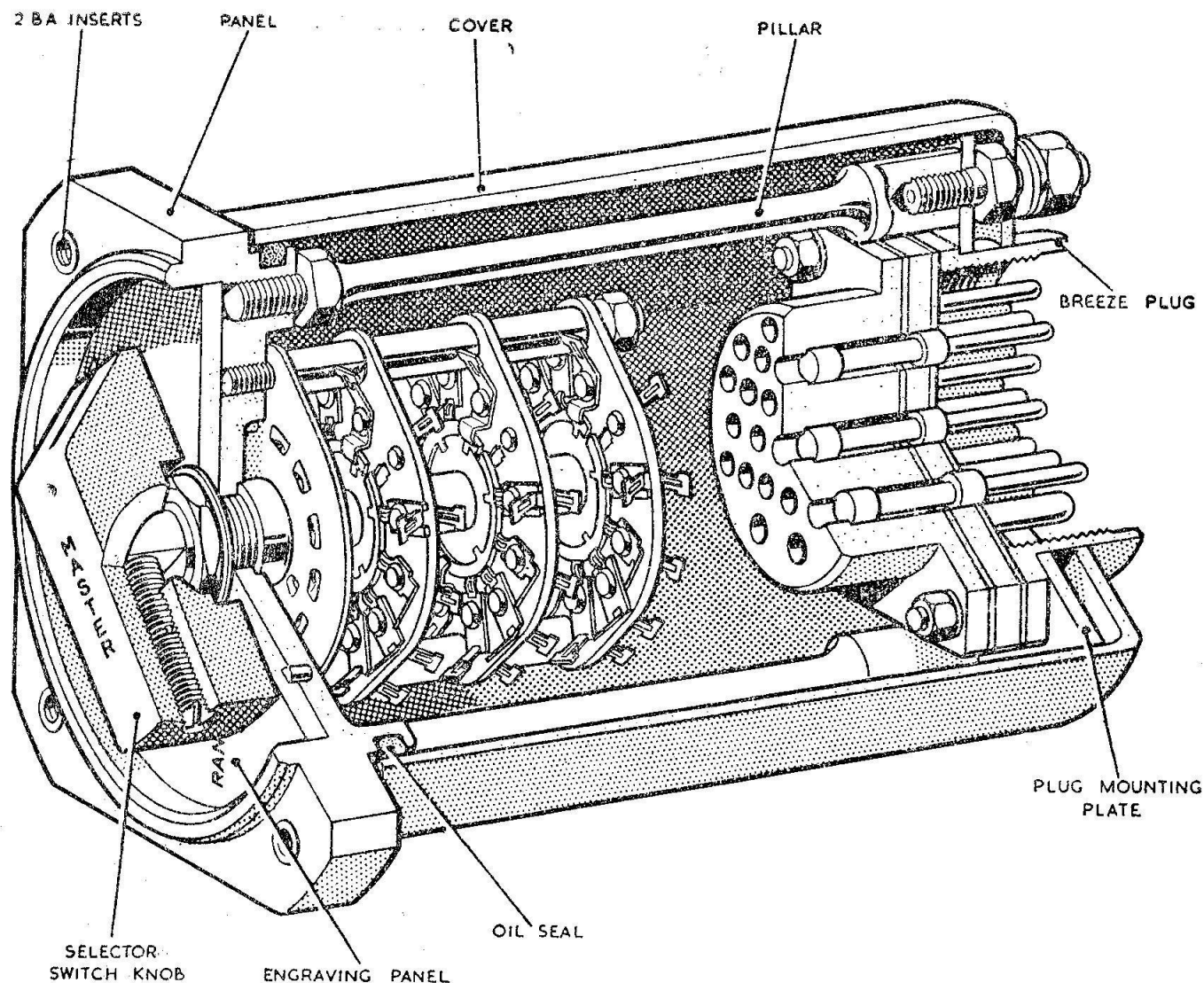


Fig. 1. Sectional view, control panel, Type SNP/3

are drilled and tapped 2BA. Shoulders on the pillars are hexagonal for use with a spanner. A rubber sealing ring is fixed to the outer periphery of a circular lip on the rear face of the panel.

Switch mounting

6. The switch fits on the two 5BA panel studs, where it is secured by nuts and washers. The mounting bush incorporated on the switch fits in the centre hole of the front panel and a plain nut and shakeproof washer screwing on the threaded exterior of the bush secures both switch and engraved plate to the panel.

Plug mounting

7. At the other end of the unit a plug mounting plate is secured on the two waisted pillars by special 2BA studs. The thread on one end of each stud is oversize and these ends screw into the pillars. The mouth of a cylindrical alloy cover fits the lip on the rear face of the front panel, while the flanged end of the cover is drilled to locate on the special

2BA studs, where it is secured by washers and nuts.

8. The 26 pin Breeze plug is secured on its mounting plate, by four 6BA nuts and bolts. Two of the pins are of larger diameter than the remainder thus ensuring that the socket can only be fitted to the plug in the correct position.

INSTALLATION

9. A circuit diagram of the control panel is given in fig. 2. As has been explained (*para.* 4) there are four 2BA inserts for fitting the control panel on a main aircraft panel.

SERVICING

10. Checks should be made to see that the panel is secure on its mounting and that the selector knob is secure on its spindle. The Breeze plug connection must be checked for security and condition of its pins, and there should be a positive switching action in all positions of the switch.

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