

## Chapter 2

### SWITCH, MAGNETIC, TYPE 3A, No. 1 (ROTAX F3104)

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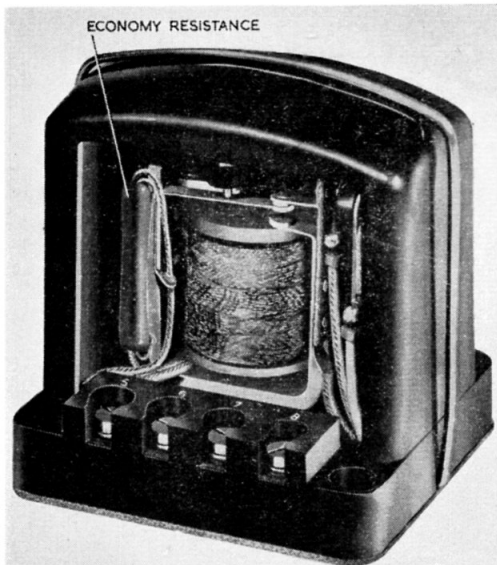
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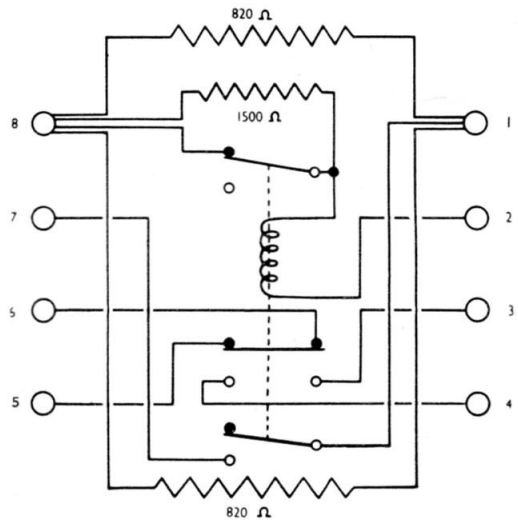
Switch, magnetic, Type 3A, No. 1 ... ..	Stores Ref. 5CW/4379
Overall dimensions of base ... ..	3.128 in. by 3.000 in.
Height ... ..	3.468 in.
Weight ... ..	16 oz.
Current rating ... ..	5 amp.
Voltage ... ..	112V d.c.
Operating coil resistance ... ..	157.5 to 192.5 ohm
Pull-in voltage ... ..	70 to 75
Drop-out voltage ... ..	66 to 48



**Fig. 1. Type 3A, No. 1 magnetic switch**

#### Introduction

1. This magnetic switch (*fig. 1*), in common with others in the F3100 series, is designed for use in conjunction with a differential relay or magnetic switch, in an aircraft's generator supply system.



**Fig. 2. Diagram of connections**

#### DESCRIPTION

2. The Type 3A, No. 1 magnetic switch is identical with that described in A.P.4343, Vol. 1, Sect. 11, Chap. 3, an economy resistance of 1,500 ohms being fitted and brought in series with the operating solenoid when the switch is energized (*fig. 2*).

3. Details of functioning, installation and servicing are also given in the chapter mentioned in the previous paragraph.

(A.L.43, Sep. 55)