

Chapter 3

PROPELLER CONTROL CHANNEL, DE HAVILLAND, TYPE Q.1090/1

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LEADING PARTICULARS

Propeller control channel, Type Q.1090/1	Ref. No. 25L/12672
Overall dimensions—		
Height (unit only)	....	7.94 in.
Height (including mounting tray and anti-vibration mountings)	....	9.44 in.
Depth	....	11.5 in.
Width (4 units mounted)	....	11.875 in.
Weight of unit	....	10 lb.

Introduction

1. The control channel unit, which works in conjunction with the actuator control unit, Type Q.1089, and the synchronizer switch unit, Type Q.1088, contains the individual propeller r.p.m. control relays and the auto synchronizing relay. The control channel unit also contains a magnetic amplifier network which is designed to give a speed sensitive selection for certain propeller func-

tions, a magnetic synchronizing unit, Type Q.1087, and connecting plugs.

DESCRIPTION

Relays

2. Eleven sealed relays are mounted on a plate and assembled to the top of a frame unit which also serves as a mounting for the tag-board assembly and the base plate assembly. The relays consist of six 4-pole change-over

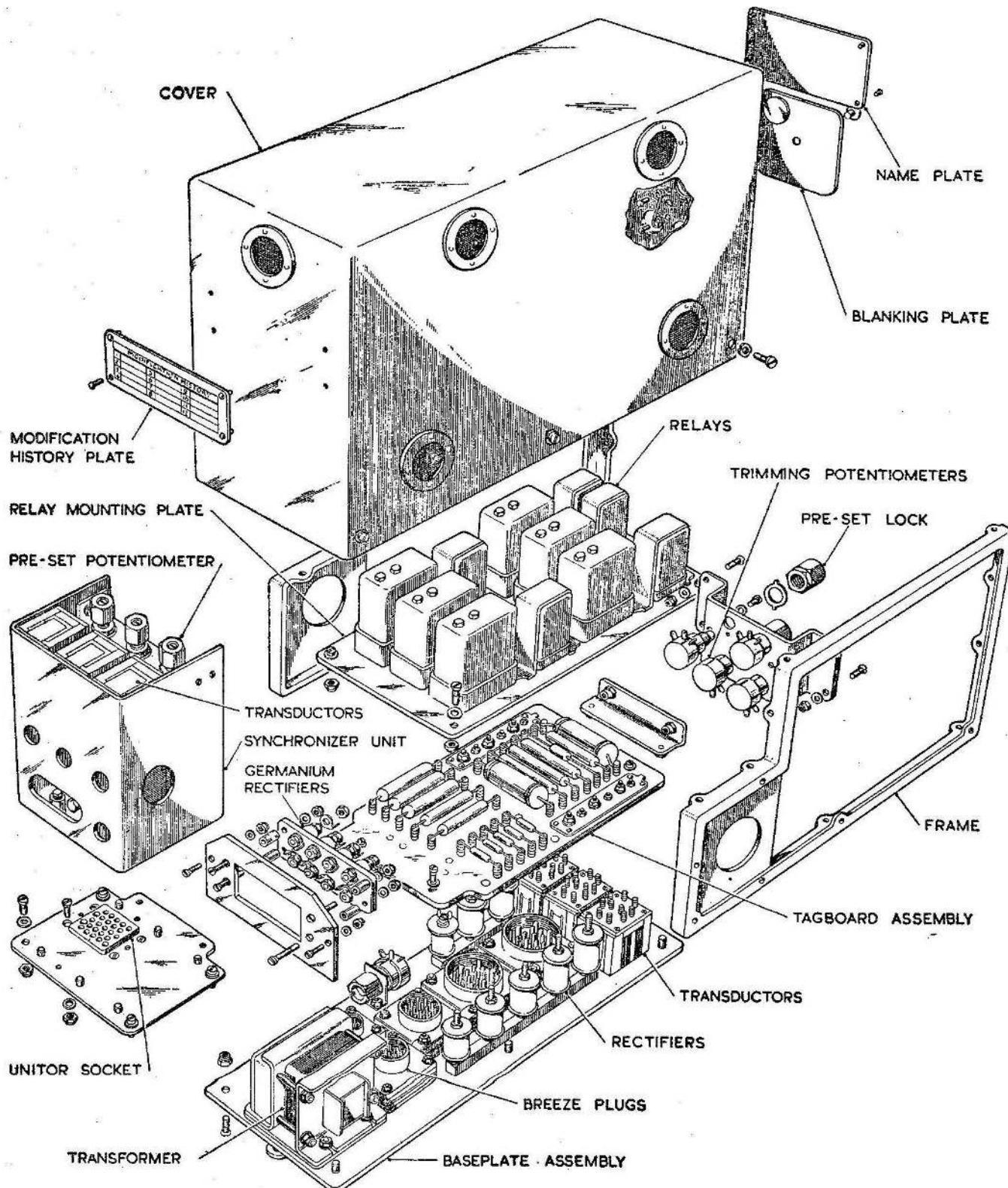


Fig. 1. Exploded view of Q.1090/1

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