SHOWING PANEL AND CONTROLS

CHAPTER 1.

GENERAL.

1. DESCRIPTION.

The Receiver P38 and its associated power unit is similar in design to Air Ministry type R1392 (Ref. No. 10D/13302) and type 234 (Ref. No. 10K/13224) respectively.

The receiver is of the superheterodyne type, designed for the reception of R/T or C.W. signals, with or without A.G.C. It is assembled on a chassis with a 19 inch panel and is shown in Figs. 1, 2 and 3.

Power is supplied from the power unit (A.P. W8356) which is built on a separate chassis with a 19 inch panel and is shown in Figs. 5 and 6.

The output from the receiver is taken to two jacks on the front panel, for connection to a pair of headphones for monitoring or to a 600 ohms balanced A/F line.

On ships where several V.H/F channels are provided, "Tuning Unit, Resonator" (Chapter 3 para. 2) should be inserted between the aerial and the receiver to increase the selectivity.

2. DATA.

Date of Design:-	1943.
Where Used:-	With Type 87M in Cruisers and above for Fighter Direction.
Frequency Range:-	100 to 150 mc/s.
Intermediate Frequency:-	9·72 mc/s.
Power Supply (To Power Unit)	200/250 V. 50 c/s.
Power Input (To Receiver)	(H.T. 260V 85mA. D.C. (L.T. 6·3V 4·3A. 50 c/s.
Type of Aerial	(i) "Type 3" Dipole. OR (ii) "Wide Band" Dipole OR (iii) "J Match" Type.
Type of Feeder:-	Single-Core Concentric Line.

RECEIVER P38
POWER UNIT

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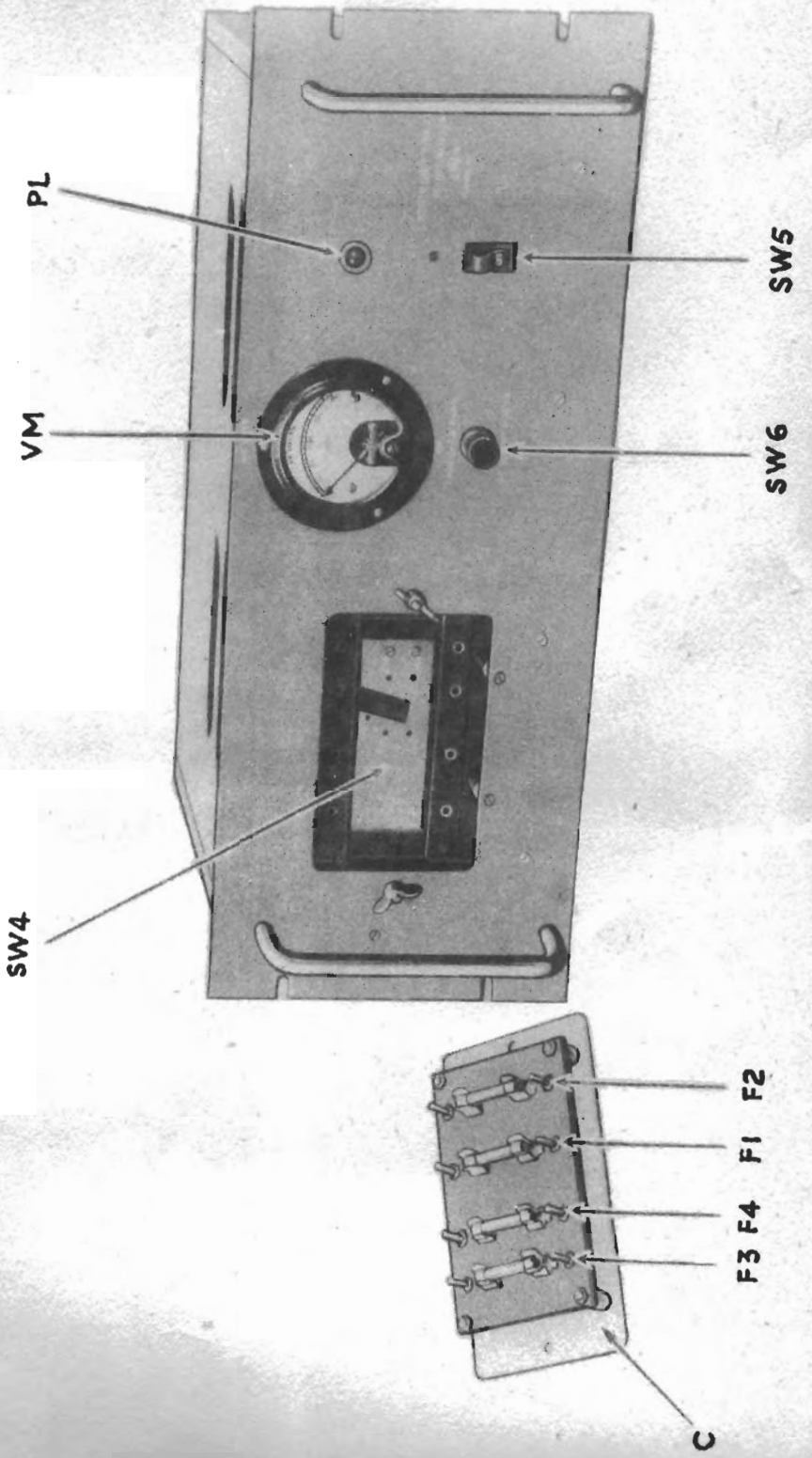
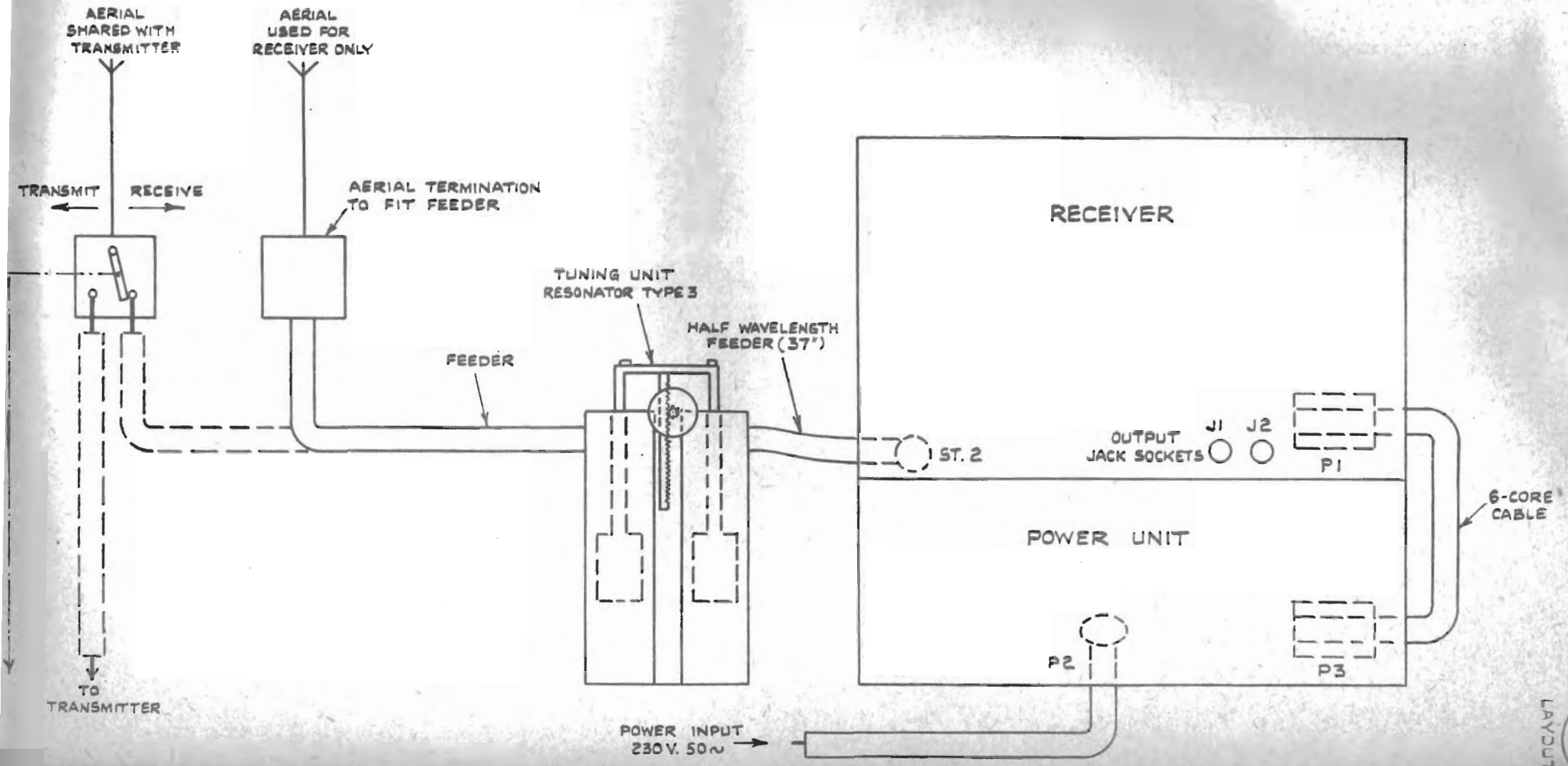


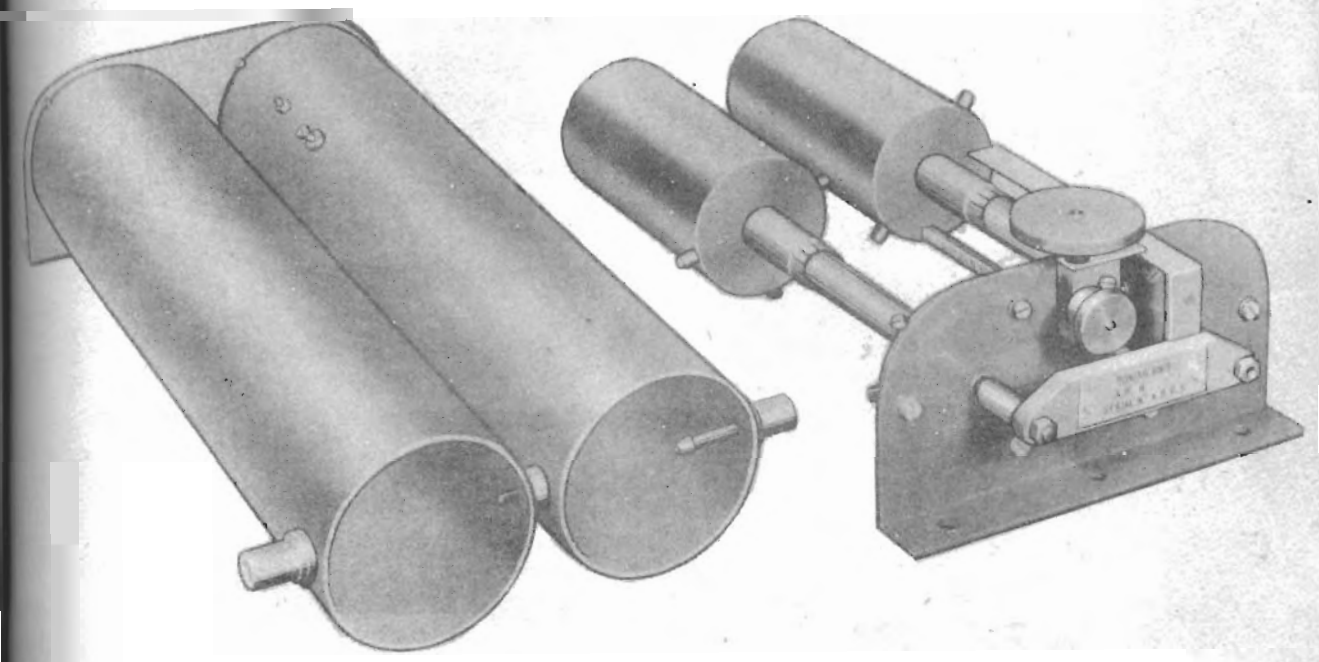
RECEIVER P38

DIAGRAM OF COMPLETE LAY OUT.



LAYOUT

RECEIVER P38



TUNING UNIT