

TRIMMING PROCEDURE

Apply signal as below	Receiver setting	Adjustment (for maximum output)
(1) 467 kcs. between grid of V ₁ and Chassis via 0.1 mfd. Condenser. Connect grid to A.V.C. via 0.5 meg. Resistance.	500 metres	Adjust the cores of T ₁ and T ₂ with an insulated screwdriver. These transformers are set at the factory on specially constructed apparatus and usually will not require attention.
(2) 210 metres via Dummy Aerial to A and E Sockets	200 metres	C ₁₃ and C ₅ .
(3) 520 metres	520 metres	C ₁₂ (Rock Gang for max.).
(4)		Repeat 2 and 3.
(5) 1,800 metres	1,800 metres	C ₁₄ .
(6) 1,300 metres	1,300 metres	C ₆ (Rock Gang for max.).
(7)		Repeat 5 and 6.
(8) 18 metres	Max Output	C ₄ .

PRESS BUTTON CIRCUIT

The receiver is fitted with five coil and condenser combinations as below :

Oscillator Coil	Aerial Condenser	Wavelength Coverage
L ₁₂ (78192)	C ₇ (80121)	200-400 metres
L ₁₃ (78193)	C ₈ (80122)	245-540 metres
L ₁₄ (78193)	C ₉ (80123)	245-560 metres
L ₁₅ (78195)	C ₁₀ (80123)	1,150-2,000 metres
L ₁₆ (78195)	C ₁₁ (80123)	1,150-2,000 metres

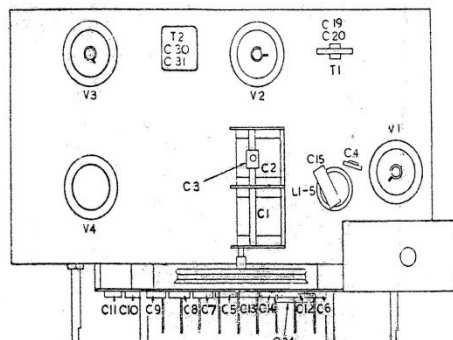


Fig. 1

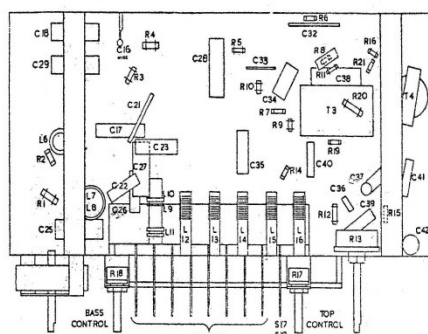


Fig. 2



SERVICE SHEET

MODEL PSB



CIRCUIT ANALYSIS

Output : 800 milliwatts.
H.T. Battery Consumption : 9.5 m.a.
L.T. Accumulator Consumption : 1 amp.

Valve	Circuit	Voltage	Current m.a.
V1	F.C. Valve Mullard FC2A	Anode 124 Screen 40 Osc. Anode 70	0.5 1.2 2.3
V2	I.F. Amplifier Mullard VP2B	Anode 127 Screen 40	1.2 0.18
V3	Sig. Rect. A.V.C. and A.F. Amplifier Mullard TDD2A	Anode 80	0.8
V4	Output Mullard QP22B	Anodes 127 Screen as graded	3.0 (Total) 0.5 (Total)

All Voltages measured from Chassis with 1,000 ohms per volt meter.

NOTES

H.T. BATTERY. The correct H.T. Battery for this Receiver is the Pye K2. The connections are as follows :—

Brown plug to — socket.
Black plug to 9.
Red plug to + 136½.
Green plug according to grading of V₄ indicated by letter on top of valve :—
A—120 volts.
B—112½ volts.
C—105 volts.

L.T. BATTERY. The correct accumulator for use with this Receiver is the Pye L.T.3.

INDICATOR BULB. This is a 2.5 volt .1 amp. lamp.

