SERVICE SHEET FOR



model PZIOO

FOR A.C. OR D.C. MAINS OPERATION

	,	.F. Output 2	watts.	, ,	Smoot	hed H.T.		•		
							Osc.			1
	Valve	Mullard	Ea	la	Es	ls	Ea	la	Ek	lk
VI	Frequency Changer	UCH.42	175		65	5.0	90	3.9	_	_
V2	I.F. Amplifier	UF. 41	175	_	65	5 -	_	_	-	_
V3	Det. & L.F. Amp.	UBC.41 ·	55	0.23		_	_	-	_	_
V4	Output	UL.41	215	46	175	_	_	_	11.7	_
V5	Rectifier	UY.41	225 v. A.C. Anode to Earth Line.						225	71

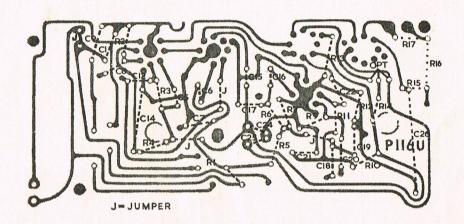
—All measurements taken with receiver tuned to L.F. end of M.W. band. No signal input.

Mains input 240 v. A.C. into 230 to 250 v. tap.

Measurements taken with an Avometer Model 8 instrument which has a resistance of 20,000 ohms

Apply signal as below	Set receiver controls to	Adjust in order for maximum output Iron dust cores T1 and T2.		
(1) 470 kc/s. between gang frame and control grid of VI via 0·1 μF condenser.	Gang fully meshed			
(2) 600 kc/s. between Aerial and Earth sockets via Standard Dummy Aerial	600 kc/s.	Iron dust core L3.		
(3) As (2) but 1,500 kc/s.	1,500 kc/s.	Trimmers C13 and C4.		
(4) Repeat (2) and (3) until calibration and				

PYE LIMITED - P.O. BOX 2839, AUCKLAND - NEW ZEALAND





VALVE BASE CONNECTIONS GT.G3 G2.G4 GI V2 G3. K.S G3. K.S G2 GI G3. K.S V3 Н G S DI D2 K A G2 GI K.G3 н V4



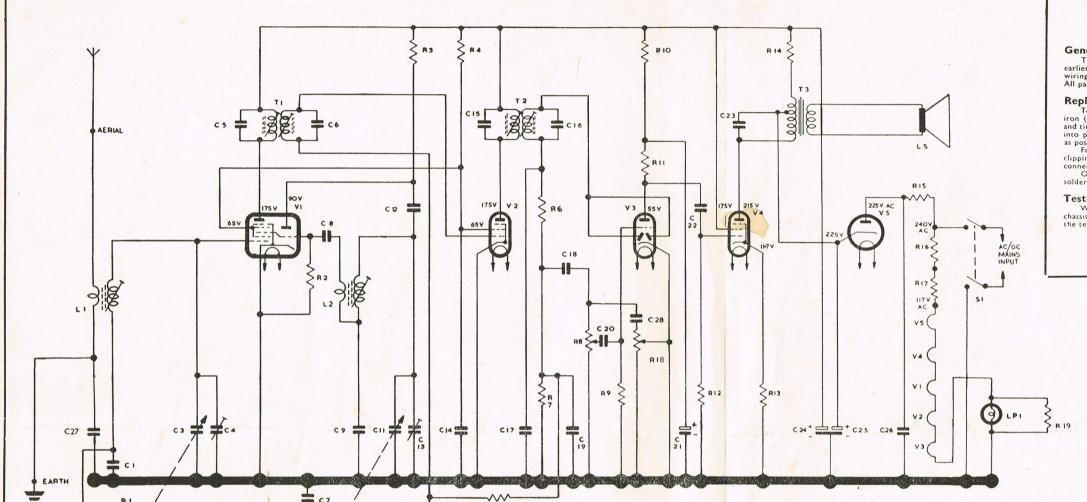
Notes

To Remove Chassis

- (1) Disconnect the receiver from the mains supply
 (2) Remove Card Back,
 (3) Pull off knobs.
 (4) Remove chassis fixing screws and clip
- (4) Remove chassis fix (5) Withdraw chassis.

Note.—When fixing card back in position after replacing the chassis, ensure that no excess mains lead is left in the cabinet and that the mains lead is firmly secured beneath the retaining clip.

Note.—BEFORE REMOVING THE CARD BACK, THE RECEIVER MUST
BE COMPLETELY DISCONNECTED FROM THE MAINS
SUPPLY.



Notes

General

The printed circuit as used in this receiver replaces wire used in earlier receivers. This new method of circuitry offers uniform chassis wiring, fewer wiring troubles and simplifies circuit tracing and servicing. All parts are located on top of the chassis.

Replacing Parts

To avoid damaging printed circuits with excessive heat, use a soldering iron (60 watts maximum) with a small tip when replacing parts. Clean and tin replacement parts, and then melt the circuit solder before insertion into panel. To avoid running solder into adjoining circuits, use as little as possible.

as possible.

For quick replacement, resistors and condensers may be replaced by clipping out the defective component and soldering the new one to the connecting wire from the original part.

Open or damaged sections of the printed circuit can be repaired by soldering a jumper of ordinary hook-up wire across the connection points.

Testing

Where the need arises for testing on the printed circuit side of the chassis plate, insulating varnish covering must first be scraped away from the test points

TRANSFORMERS

SWITCHES, ETC.

MISCELLANEOUS

Specification

Specification

ON/OFF Switch on Tone Control ...

Dial Lamp 6 V. 0.04 A. (II mm.)

Loudspeaker 5 inch P.M.

Irem

 $\begin{array}{c} \text{Ist I.F. Transformer} & \begin{cases} \text{Prim. } 10.5\,\Omega\\ \text{Sec.} & 10.5\,\Omega \end{cases} \\ \text{2nd I.F. Transformer} & \begin{cases} \text{Prim. } 10.5\,\Omega\\ \text{Sec.} & 10.5\,\Omega \end{cases} \\ \text{Output Transformer} & \begin{cases} \text{Prim. } 225\,\Omega\\ \text{Sec.} \end{cases} \\ \end{cases}$

3704

No.

077079

077079 077069

No.

Part No.

Fig.

Fig.

circuit diagram of the



MODEL

PZ100

CONDENSERS					RESISTORS					
	Specification	Volts	Ŧ.	Fig.	No.		Ohms Watts :	Fig.	No.	
C1 C2 C3 C4† C5* C6* C7 C8 C9 C10 C11 C13† C15* C16* C19 C21 C22	0 04 µF Tubular 523 pF Swing Gang Condenser 3-30 pF Trimmer 100 pF Mica 100 pF Mica 100 pF Ceramic 510 pF Mica 510 pF Mica 510 pF Mica 523 pF Swing Gang Condenser 100 pF Ceramic 3-30 pF Trimmer 0 05 µF Tubular 100 pF Mica 100 pF Mica 100 pF Ceramic 0 01 µF Tubular 0 01 µF Tubular 4 µF Electrolytic 0 01 µF Tubular	350 150 400 150 250 400	2°/, 2°/, 20°/, 2°/, 20°/, 2°/, 20°/,		669106 800361 666776 666776 669105 666806 664535 800361 666806 666776 666776 666776 666776 666776 666776 666776 667732 669082 669082 669082	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15	470,000 47,000 22,000 22,000 2-2 meg		674368 674364 674364 674364 674370 674351 674368 674350 674350 674368 674352 670434 670859	
C23 C24 C25	$\begin{array}{c} 50 \ \mu F \\ + \\ 50 \ \mu F \end{array}$ Electrolytic	600 AC 275	,		668839 667708	INDUCTANCES				
C26	250 pF Mica	300 AC	2007		669283		Specification	Fig.	No.	
C 28	0·005 μF Ceramic		20%			L1 L2	Aerial M.W.7 A Osc. Coil M.W.9		780246 A 780254	
	Note.—*Integral part of fintegral part of									