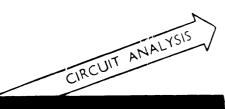
SERVICE SHEETIG-Workshop.co.uk





## models 1101 (Home) and 3017 (Export)



	Mains Consum Unsmoothed H		vatts. volts.			Output hed H.		watts. volts.		
		,					С	sc.		
	Valve	Mullard	Ea	la	Es	ls	Ea	la	Ek	lk
۷١	Frequency Changer	UCH.42	140	1.7	62	3.7	112	3.0	_	8.4
V2	I.F. Amplifier	UF.41	140	5.4	62	1.6	_	_	_	7-0
٧3	Det. and A.F. Amplifier	UBC.41	66	0.3	_	_	_	_	_	0.3
V4	Output	UL.41	150	36.0	140	6.8	_		7.7	42.8
V5	Rectifier	UY.41	190 v. A.C. on Anode 165					165	58-5	

Note.—All measurements taken on M.W. band with gang fully meshed. No signal input.

Mains input 210 V.A.C. into 200-220 volts tap.

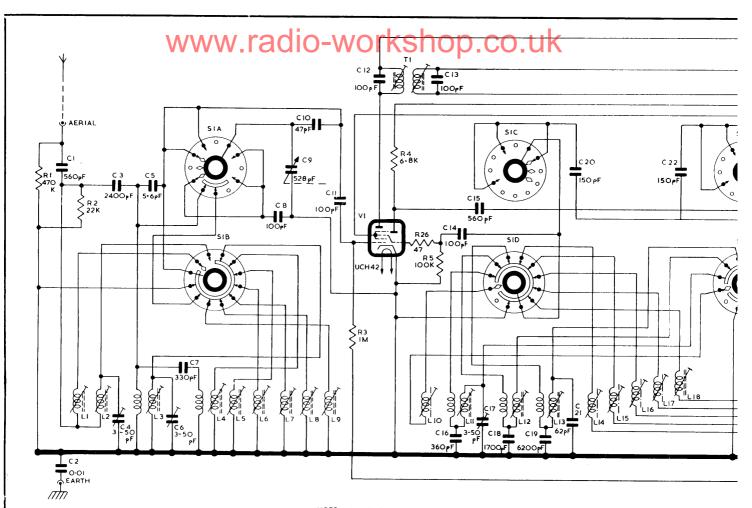
Measurements taken with an Avometer model 8 instrument.

All voltages over 10 v. taken on 250 v. range.

Note.—Calibration of bandspread circuits should preferably be checked against broadcasting stations of known frequency. The calibration of most normal signal generators is not sufficiently accurate for this purpose.

Apply signal as below	Controls to	Maximum Output								
(1) 470 kc/s between control grid of VI and chassis via a 0·I μF condenser	Low frequency end of medium waveband (565 metres)*	Iron dust cores of i.F. Transformers T2 and T1								
(2) 214 kc/s between Aerial and Earth sockets via Standard Dummy Aerial	L.W. 1400 metres	Aluminium slug of LW10 and Iron dust core of LI								
(3) As (2) but 600 kc/s (500 m.)	M.W. 500 m.	Iron dust cores of LII and L2								
(4) As (2) but 1500 kc/s (200 m.)	M.W. 200 m.	Trimmers CI7 and C4								
(5) Repeat (3) and (4) above until c	alibration and tracking ar	e correct.								
(6) As (2) but 1500 kc/s (200 m.)	SI band 200 m.	Iron dust cores of LI2 and L3								
(7) As (2) but 3·3 Mc/s.	S1 band 90.9 m.	Trimmer C6								
(8) Repeat adjustments of L3 and C	6 until tracking is correct									
(9) 7-2 Mc/s between Aerial and Earth sockets via a 400 ohm resistor.	S2 band 41·7 m.	Iron dust cores of LI3 and L4								
(10) As (9) but 9.6 Mc/s.	31 m. band 9.6 Mc/s.	Cores of L14 and L5								
(11) As (9) but 11.8 Mc/s.	25 m. band 11.8 Mc/s.	Cores of L15 and L6								
(12) As (9) but 15·3 Mc,s.	19 m. band 15·3 Mc/s.	Cores of L16 and L7								
(13) As (9) but 17:8 Mc/s.	16 m. band 17-8 Mc/s.	Cores of L17 and L8								
(14) As (9) but 21-6 Mc/s.	13 m. band 21-6 Mc/s.	Cores of L18 and L9								
* Pointer should be :	* Pointer should be aligned with extreme end of calibration tracks.									



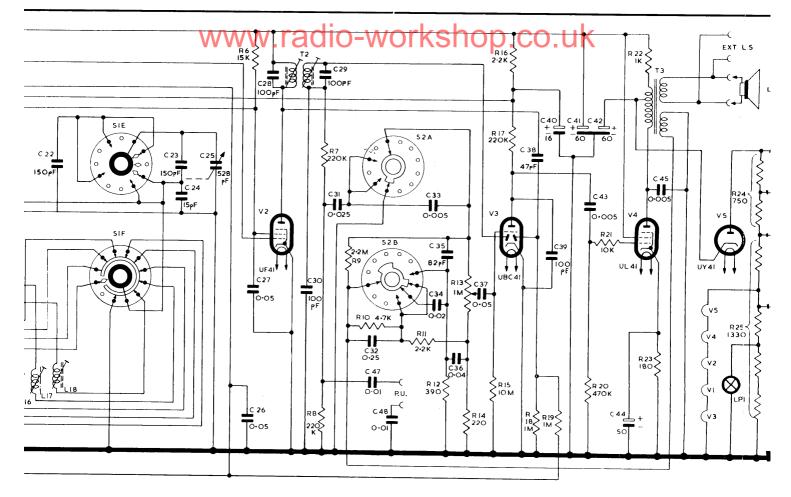


NOTE - ALL SWITCHES SHOWN IN FULLY ANTI-CLOCKWISE POSITION, IE WAVECHANGE SWITCH SI ALL RESISTORS IN OHMS UNLESS OTHERWISE STATED

ALL CAPACTORS IN F UNLESS OTHERWISE STATED

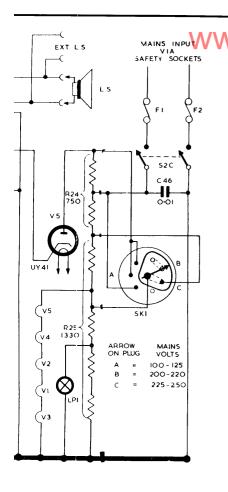
## circuit diagram of the PYE MODELS IJOI and 3017

. M	IISC	ELL	.AI	NEO	US				
Cabinet Assembly							AG 00001		:
Knob Assembly—Tun	ing, V	olume/	and	Wavec	hange		AG 00002	C1 C2	560 pF Cerami 0·01 μF Tubul:
Knob Assembly—Ton	e						AG 00003	C3	2,400 pF Mica
Mains Lead Assembly							733439	C4 C5	3-50 oF Trimn
Knob Fixing Ring							030168	C6 C7	3-50 pF Trimm
Wavechange Indicator	Asse	mbly					AG 00004	Č8 C9	100 of Mica 528 of Swing
Pointer Assembly							AG 00005	C10	47 of Mica 100 of Cerami
Voltage Selector Plug	Asser	nbly					730326	CI2*	100 pF Mica
Drive Drum Assembl	/						FD 00001	C13*	100 ρF Mica 100 ρF Cerami
Drive Spindle							310951	C15 C16	560 pF Cerami 360 pF Mica
Scale Backplate							BJ 00013	C17 C18	3-50 pF Trimn
Lampholder							720477	C19 C20	6,200 pF Mica
Scale; Tuning							EA 00001	C21 C22	62 oF Mica 150 oF Mica
Scale Bracket							BC 00001	C23	150 ρF Mica
Pye Motif							BJ 00001	C24 C25	15 pF Ceramic 528 pF Swing
Pye Motif Escutcheon							071493	C26 C27	0·05 μF Tubul; 0·05 μF Tubul;
Pye Motif Backing							071836	C28* C29*	100 pF Mica
Quick Release Runne	r Asse	mbly					073239	C30	100 oF Cerami 0.025 uF Tubu
Wavechange Switch wired	Unit-	comp	letel 	y asser	mbled 	and 	084246	C32 C33 C34 C35	0·25 μF Tubuk 0·005 μF Tubuk 0·02 μF Tubuk 82 ρF Ceramic



THANGE SWITCH ST IN 'LW' POSITION, AND TONE SWITCH S 2 IN 'OF' POSITION

	CONDENS	SERS				CONDENSERS, Contd.							
	Specification	Volts	±	Fig.	No.		Specification	Volts	±	Fig.	No.		
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C12* C13*	560 pF Ceramic 0-01 μF Tubular  2.400 pF Mica 3-50 pF Trimmer 5-6 pF Ceramic 3-50 pF Trimmer 330 pF Ceramic 100 pF Mica 100 pF Mica 100 pF Ceramic 100 pF Mica		20% 5% 20% 20% 2% 2% 20% 2% 20% 20% 20%	4 4 4 4 4 4 4 1 & 3 4 3 3	666863 669135 666794 800076 666659 800076 666809 664100 PV 01000 664048 666776 666776 666806	C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48	0·01 μF Tubular 3	350 350 350 350 12 1000 800 A.C. 300 A.C.	20%	4 4 4 3 3 3 4 1 & 3 4 4 4	669106 669116 665676 666806 667537 667503 669095 667171 668870 669135 669135	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14	470.C 22,C 6,E 100,C 15,C 220,C 220,C 220,C 4,7 2,2 3
C16 C17	360 pF Mica		2%	4	666863 664222 800076		Specification		Ref.	Fig.	No.	R16 R17 R18	2,2 220,0
C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C29* C30 C31 C32 C33 C34 C25	1.700 oF Mica 6.200 pF Mica 150 pF Tubular 0.05 μF Tubular 100 pF Mica 100 pF Mica 100 pF Mica 100 pF Tubular 0.05 μF Tubular 0.05 μF Tubular 0.05 μF Tubular 0.00 pF Mica 100 pF Mica 100 pF Mica 100 pF Tubular 0.025 μF Tubular 0.025 μF Tubular 0.025 μF Tubular 0.025 μF Tubular 0.005 μF Tubular 0.005 μF Tubular 0.005 μF Tubular	250 350 350 350	5% 5% 2% 2% 2% 10%	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	666793 664130 664130 664130 664130 664130 66515 PV 01000 669116 66896 666776 666776 666776 666786 666906 669386 668096 669081 669081	L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14 L15 L16 L17	L.W. Aerial Coil M.W. Aerial Coil S.1 Aerial Coil S.2 Aerial Coil S.2 Aerial Coil 31 m. Aerial Coil 125 m. Aerial Coil 19 m. Aerial Coil 10 m. Aerial Coil 11 m. Aerial Coil 12 m. Aerial Coil 13 m. Aerial Coil 13 m. Aerial Coil 13 m. Cosc. Coil S.1 Osc. Coil S.2 Osc. Coil 31 m. Osc. Coil 15 m. Osc. Coil 19 m. Osc. Coil 19 m. Osc. Coil 16 m. Osc. Coil 11 m. Osc. Coil		L.W.10 M.W.15 T.B.4 S.W.16 S.W.5 S.W.5 S.W.4 S.W.3 L.W.9 M.W.1 T.B.1 S.W.17 S.W.7 S.W.7 S.W.5 S.W.5 S.W.7 S.W.7 S.W.5 S.W.7 S.W.7 S.W.6 S.W.7 S.W.7 S.W.7 S.W.7 S.W.7	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	780571 780604 780605 780625 780275 780276 780277 780278 780272 780234 780249 780623 780275 780277 780278	R19 R20 R21 R22 R23 R24 R25 R26	470,0 10,0 1,0 1,0 1,7 1,3



<u>radio-workshop.es</u>.uk

- When replacing the drive cord, the scale backplate should be taken off by removing the two screws at the front left-hand side, and the two nuts at the rear right-hand side.
- A 100 division Trimming Scale is printed at the top of the scale backplate to facilitate trimming the receiver outside of the cabinet. One edge of the pointer carriage serves as an index for the scale.

Where no accurate frequency standard is available, the receiver should be calibrated against a reliable broadcasting station operating at a frequency close to that specified in the trimming instructions.

- External speaker 2-4 ohms impedance.
- Make sure that the voltage adjuster is in the correct position to ensure (a) maximum valve and component life, and (b) full benefit of the Pye "Fidelity" reproduction.

## TO REMOVE CHASSIS

The Pye quick release permits removal of the chassis without turning the cabinet over, as follows:—

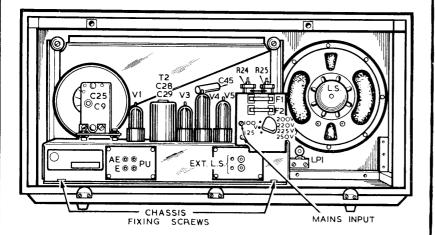
- Remove all plugs from back of chassis.
- Remove card back.
- Loosen grub screws and pull off knobs.
- Remove chassis fixing screws.
- Pull off indicator lampholder from its bracket and withdraw chassis.

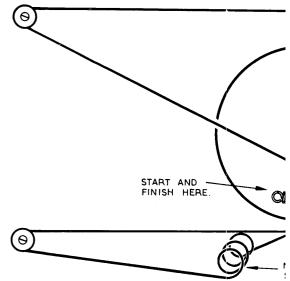
## TO FIT NEW TUNING SCALE

- Remove receiver chassis as described above.
- Unscrew nuts holding the two fixing brackets at top and bottom of scale, and withdraw damaged scale.
- Place new scale in cabinet aperture and replace top and bottom fixing brackets.
- 4 Replace chassis, ensuring that control spindles appear through the centre of their respective holes in the scale plate.
- Rotate Tuning Control so that gang is fully meshed, and line up the pointer with the marker dots at the low frequency end of the scale.

		RESISTO	RS		TRANSFORMERS					
No.		Ohms	Watts ±	Fig.	No.		Specification	Fig.	No.	
669106 669116 665676 666806 667537 667503 669095 667171 668870 669135 669135	R1 470,000					$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			770369A 770369A 770067	
No. 780571 780604 780605 780275 780276 780277 780278	R  4   220		SIB Front Bank SIC Rear Bank SID Front Bank SIE Rear Bank SIF Front Bank S2A Rear Bank S2B Front Bank S2C Mains ON/6	Rear Bank 3 Aerial Section Rear Bank 2 Front Bank 2 Osc. Section Rear Bank 1 Front Bank 1 Front Bank 1 Front Bank 1 Mains ON/OFF Switch 5 position Dial Lamp. 12 v. 0.1 amp.		No. 831105				
80337 80234 80249 80623 80275 80276 80277 80278 80279		,				FI F2 SKI LS	Cartridge Fuse. I amp. Cartridge Fuse. I amp. Mains Voltage Adjuster Socket Loudspeaker  Note.—* Integral Part of I.F. Transformer.	& 3   & 3   	831104 704137 850080	

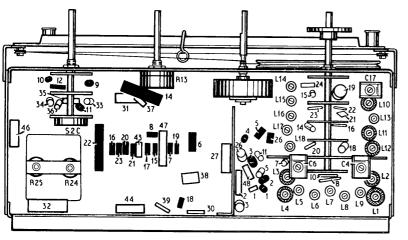


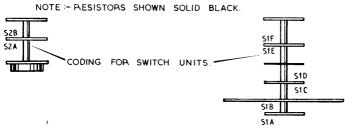




DRIVE CORD VIEWED FROM FRONT OF CHAFULLY CLOSED.







		0 5	10 15 2
13 M	mc/s	1 2	27:-6
16 M	mc/s	ı	18·6
19 M	mc/s	I	16·0 ı
25 M	mc/s	12-4	I
31M	mc/s	10.1	1 10.0
SW2	mts	1	32
SW1	mts	7	70
MW	mts	200	l I }
LW	mts	I	110
		0 (	) 2(
			CA

