

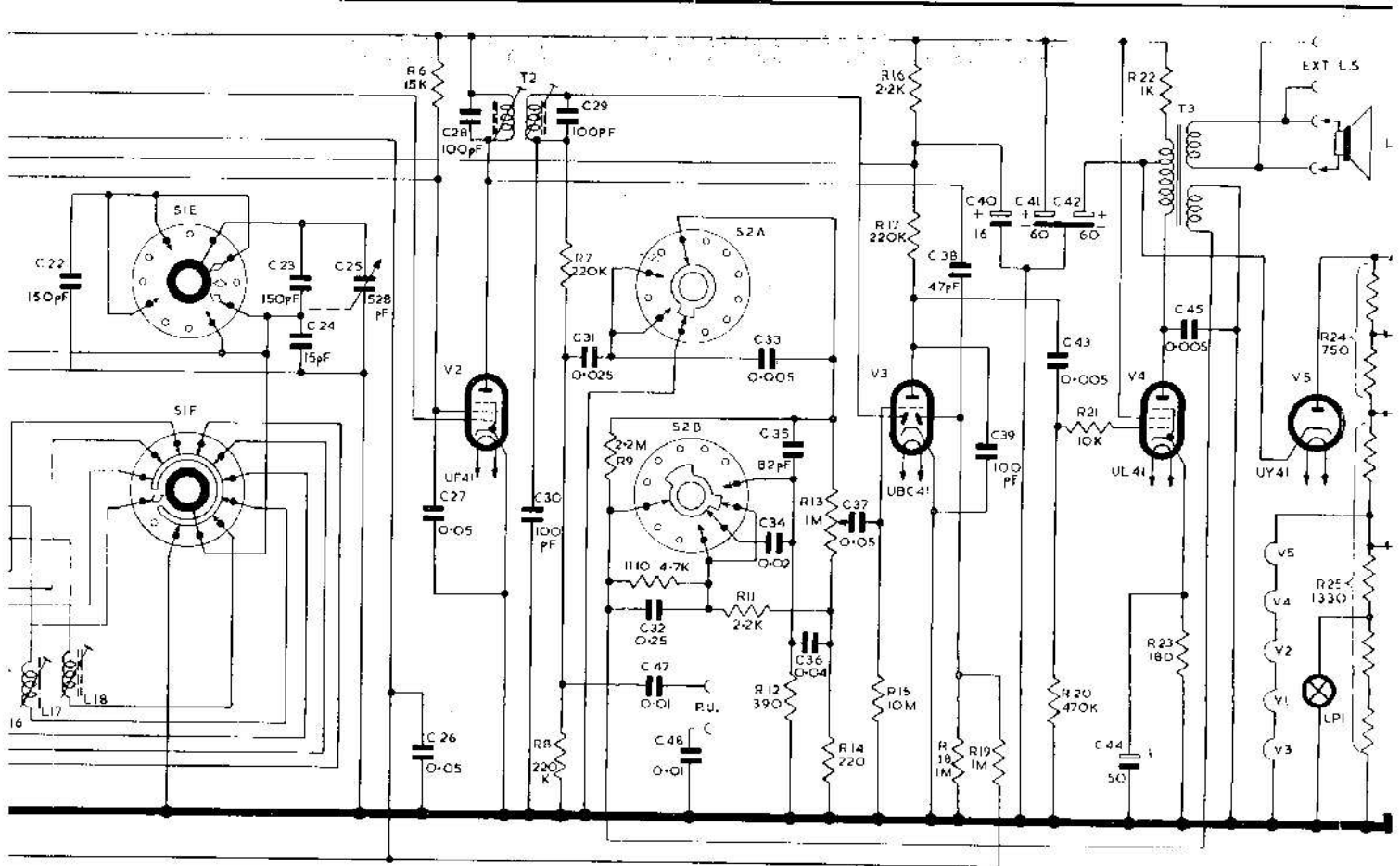
NOTE - ALL SWITCHES SHOWN IN FULLY ANTI-CLOCKWISE POSITION, I.E. WAVECHANGE SWITCH S1
 ALL RESISTORS IN OHMS UNLESS OTHERWISE STATED
 ALL CAPACITORS IN μ F UNLESS OTHERWISE STATED

circuit diagram
 of the
PYE
MODELS
1101 and
3017

MISCELLANEOUS

Cabinet Assembly	AG 00001
Knob Assembly—Tuning, Volume and Wavechange	AG 00002
Knob Assembly—Tone	AG 00003
Mains Lead Assembly	733439
Knob Fixing Ring	030168
Wavechange Indicator Assembly	AG 00004
Pointer Assembly	AG 00005
Voltage Selector Plug Assembly	730326
Drive Drum Assembly	FD 00001
Drive Spindle	310951
Scale Backplate	BJ 00013
Lampholder	720477
Scale; Tuning	EA 00001
Scale Bracket	BC 00001
Pye Motif	BJ 00001
Pye Motif Escutcheon	071493
Pye Motif Backing	071836
Quick Release Runner Assembly	073239
Wavechange Switch Unit completely assembled and wired	084246

C1	560 pF Cerami
C2	0.01 μ F Tubul
C3	2,400 μ F Mica
C4	3-50 pF Trimm
C5	5.6 pF Cerami
C6	3-50 pF Trimm
C7	330 pF Cerami
C8	100 pF Mica
C9	528 pF Swing
C10	47 pF Mica
C11	100 pF Cerami
C12*	100 pF Mica
C13*	100 pF Mica
C14	100 pF Cerami
C15	560 pF Cerami
C16	360 pF Mica
C17	3-50 pF Trimm
C18	1,700 pF Mica
C19	6,200 pF Mica
C20	150 pF Mica
C21	62 pF Mica
C22	150 pF Mica
C23	150 pF Mica
C24	15 pF Cerami
C25	528 pF Swing
C26	0.05 μ F Tubul
C27	0.05 μ F Tubul
C28*	100 pF Mica
C29*	100 pF Mica
C30	100 pF Cerami
C31	0.025 μ F Tubu
C32	0.25 μ F Tubul
C33	0.005 μ F Tubu
C34	0.02 μ F Tubul
C35	82 pF Cerami



CHANGE SWITCH S1 IN 'LW' POSITION AND TONE SWITCH S2 IN 'OF' POSITION

CONDENSERS

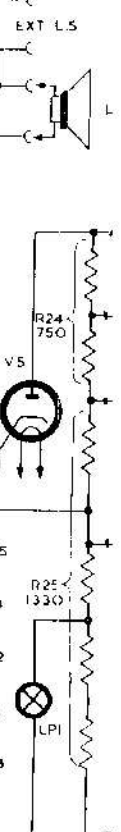
	Specification	Volts	±	Fig.	No.
C1	560 pF Ceramic		20%	4	666863
C2	0.01 μF Tubular	300 V.A.C.		4	669135
C3	2,400 pF Mica		5%	4	666794
C4	3-50 pF Trimmer			4	800076
C5	5.6 pF Ceramic		20%	4	666659
C6	3.50 pF Trimmer			4	800076
C7	330 pF Ceramic		20%	4	666809
C8	100 pF Mica		2%	4	664100
C9	528 pF Swing Gang Condenser			1 & 3	PV 01000
C10	47 pF Mica		2%	4	664048
C11	100 pF Ceramic		20%	4	666806
C12*	100 pF Mica		2%	3	666776
C13*	100 pF Mica		2%	3	666776
C14	100 pF Ceramic		20%	4	666806
C15	560 pF Ceramic		20%	4	666863
C16	360 pF Mica		2%	4	664222
C17	3-50 pF Trimmer			4	800076
C18	1,700 pF Mica		5%	4	666795
C19	6,300 pF Mica		5%	4	666723
C20	150 pF Mica		2%	4	664130
C21	62 pF Mica		2%	4	664072
C22	150 pF Mica		2%	4	664130
C23	150 pF Mica		2%	4	664130
C24	15 pF Ceramic N750K		10%	4	666515
C25	528 pF Swing Gang Condenser			1 & 3	PV 01000
C26	0.05 μF Tubular	250		4	669118
C27	0.05 μF Tubular	350		4	668956
C28*	100 pF Mica		2%	1 & 3	666776
C29*	100 pF Mica		2%	1 & 3	666776
C30	100 pF Ceramic		20%	4	666806
C31	0.025 μF Tubular	350		4	669386
C32	0.25 μF Tubular	350		4	666809
C33	0.005 μF Tubular	150		4	669081
C34	0.02 μF Tubular	150		4	669105
C35	82 pF Ceramic		20%	4	666823

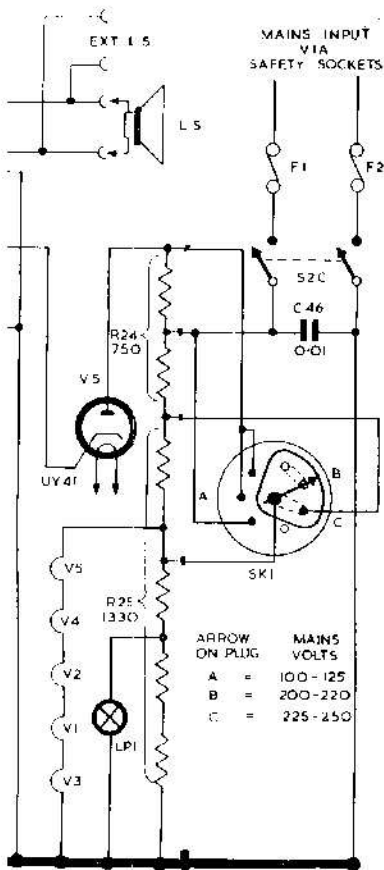
CONDENSERS, Contd.

	Specification	Volts	±	Fig.	No.
C36	0.04 μF Tubular	150		4	669106
C37	0.05 μF Tubular	250		4	669116
C38	47 pF Ceramic		20%	4	665676
C39	100 pF Ceramic		20%	4	666906
C40	16 μF Electrolytic	350		3	667537
C41	60 μF Electrolytic	350		3	667503
C42	60 μF Electrolytic	350		3	667503
C43	0.005 μF Tubular	350		4	669095
C44	50 μF Electrolytic	12		4	667171
C45	0.005 μF Tubular	1000		1 & 3	668870
C46	0.01 μF Tubular	300 A.C.		4	669135
C47	0.01 μF Tubular	300 A.C.		4	669135
C48	0.01 μF Tubular	300 A.C.		4	669135

INDUCTANCES

	Specification	Ref.	Fig.	No.
L1	L.W. Aerial Coil	L.W.10	4	780571
L2	M.W. Aerial Coil	M.W.15	4	780604
L3	S.1 Aerial Coil	T.B.4	4	780605
L4	S.2 Aerial Coil	S.W.16	4	780622
L5	31 m. Aerial Coil	S.W.7	4	780275
L6	25 m. Aerial Coil	S.W.6	4	780276
L7	19 m. Aerial Coil	S.W.5	4	780277
L8	16 m. Aerial Coil	S.W.4	4	780278
L9	13 m. Aerial Coil	S.W.3	4	780272
L10	L.W. Osc. Coil	L.W.9	4	780337
L11	M.W. Osc. Coil	M.W.1	4	780234
L12	S.1 Osc. Coil	S.W.17	4	780249
L13	S.2 Osc. Coil	T.B.1	4	780623
L14	31 m. Osc. Coil	S.W.7	4	780275
L15	25 m. Osc. Coil	S.W.6	4	780276
L16	19 m. Osc. Coil	S.W.5	4	780277
L17	16 m. Osc. Coil	S.W.4	4	780278
L18	13 m. Osc. Coil	S.W.3	4	780272





NOTES

- 1** 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.
- 2** 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.
- 3** External speaker 2-4 ohms impedance.
- 4** 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:

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

TO FIT NEW TUNING SCALE

- 1** Remove receiver chassis as described above.
- 2** Unscrew nuts holding the two fixing brackets at top and bottom of scale, and withdraw damaged scale.
- 3** 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.
- 5** 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.

RESISTORS

No.	Ohms	Watts	±	Fig.	No.
669106	R1 470,000	1/4	20%	4	670408
669116	R2 22,000	1/4	20%	4	670400
665676	R3 1 meg.	1/4	20%	4	670410
666806	R4 6,800	1/4	20%	4	670397
667537	R5 100,000	1/4	20%	4	670404
667503	R6 15,000	1/4	20%	4	670361
669095	R7 220,000	1/4	20%	4	670406
667171	R8 220,000	1/4	20%	4	670402
668870	R9 2.2 meg.	1/4	20%	4	670396
669135	R10 4,700	1/4	20%	4	670394
569135	R11 2,200	1/4	20%	4	671061
669135	R12 390	1/4	20%	4	811345
	R13 1 meg. Volume Control	1/4	20%	4	670388
	R14 220	1/4	20%	4	670416
	R15 10 meg.	1/4	20%	4	570394
	R16 2,200	1/4	20%	4	670406
	R17 220,000	1/4	20%	4	670410
	R18 1 meg.	1/4	20%	4	670410
	R19 1 meg.	1/4	20%	4	670408
780571	R20 470,000	1/4	20%	4	670398
780604	R21 10,000	1/4	20%	4	670697
780605	R22 1,000	1/4	5%	4	670509
780622	R23 180	1/4	10%	4	672133
780276	R24 750 Tapped at 300Ω	1/4	5%	1, 3 & 4	672134
780277	R25 1,330 Tapped at 130, 1130 and 1230Ω	1/4	5%	1, 3 & 4	670384
780278	R26 47	1/4	20%	4	

TRANSFORMERS

No.	Specification	Fig.	No.
T1	1st I.F. Trans. { Prim. 12.2Ω } { Sec. 12.2Ω }	3	770369A
T2	2nd I.F. Trans. { Prim. 12.2Ω } { Sec. 12.2Ω }	1 & 3	770369A
T3	Output Trans. { Prim. Start to Tap 18.5Ω } { Prim. Start to Finish 500Ω } { Feedback Winding 13.5Ω }	3	770067

SWITCHES, LAMPS, ETC.

No.	Specification	Fig.	No.
S1A	Rear Bank 3	4	831105
S1B	Front Bank 3		
S1C	Rear Bank 2		
S1D	Front Bank 2		
S1E	Rear Bank 1	4	831104
S1F	Front Bank 1		
S2A	Rear Bank 1	4	704137
S2B	Front Bank 1		
S2C	Mains ON/OFF Switch	5	850080
LPI	Dial Lamp, 12 v., 0.1 amp.	1	
F1	Cartridge Fuse, 1 amp.	1 & 3	
F2	Cartridge Fuse, 1 amp.	1 & 3	
SK1	Mains Voltage Adjuster Socket	1	
LS	Loudspeaker	1	

Note.—* Integral Part of I.F. Transformer.