

RESISTORS		Values	Locations
R1	Mod. hum shunt ...	10kΩ	F5
R2	V1 C.G. ...	220kΩ	E4
R3	V1 S.G. feed ...	33kΩ	E4
R4	V1 anode load ...	15kΩ	E4
R5	V1 G.B. ...	68Ω	E4
R6	V2 C.G. ...	220kΩ	E4
R7	V2 S.G. pot. divider {	10kΩ	E4
R8		27kΩ	E4
R9	V2 osc. C.G. ...	22kΩ	E4
R10	Oscillator damping {	15kΩ	E5
R11		10kΩ	F5
R12	Oscillator shunt ...	100Ω	E5
R13	V3 S.G. feed ...	33kΩ	D4
R14	V3 G.B. ...	68Ω	D4
R15	I.F. stopper ...	47kΩ	D4
R16	A.G.C. decoupling ...	2MΩ	D4
R17	Feed-back neut. ...	4.7MΩ	D3
R18	Volume control ...	5MΩ	D3
R19	V4 C.G. ...	100kΩ	D3
R20		10MΩ	D3
R21	V4 anode load ...	470kΩ	D4
R22	Tone control ...	500kΩ	C3
R23	H.T. smoothing ...	820Ω	C3
R24	T1 shunt ...	47kΩ	C3
R25	Neg. feed-back ...	240Ω	D3
R26		2.2kΩ	C3
R27	V5 G.B. ...	240Ω	D3

Valve	Anode		Screen		Cath.
	V	mA	V	mA	
V1 6BA6	75	7.0	100	3.0	0.7
V2 6BE6	190	3.4	90	6.4	—
V3 6BA6	190	8.0	95	3.0	0.7
V4 6AT6	57	0.28	—	—	—
V5 6V6GT	220	36.0	190	3.0	9.0
V6 6X4	200†	—	—	—	223.0

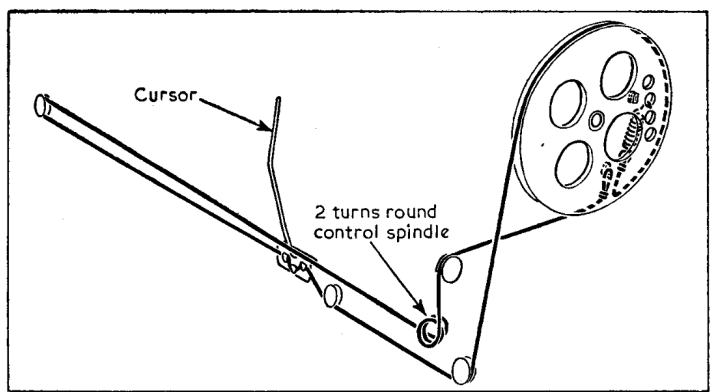
† A.C. voltage each anode.

DRIVE CORD REPLACEMENT

Six feet of nylon braided glass yarn is required for a new tuning drive cord, which should be run as shown in the accompanying sketch. Here the complete system is shown as seen when viewed from the front right-hand corner of the chassis, with the gang at maximum capacitance.

Four anchor holes are provided in the gang drum for the tension spring, so the actual length of cord is not very critical, and the length we give leaves an ample margin for tying off. The cursor can be fitted afterwards, and should be adjusted so that it covers the white dot at the high wavelength ends of the scales when the gang is at maximum capacitance.

Sketch showing the course followed by the tuning drive cord. It is drawn as seen from the front right-hand corner of the chassis, with the gang at maximum.

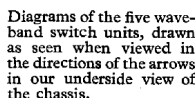


CIRCUIT ALIGNMENT

* Electrolytic. † Variable. ‡ Pre-set. § 33pF
+ 7pF (negative temp. coeff.), in parallel.

OTHER COMPONENTS		Approx. Values (ohms)	Locations
L1	Aerial tuning coils	1-6	E3
L2		3-0	E3
L3		35-0	E4
L4		—	F3
L5		—	F4
L6	Band-spread aerial tuning coils ...	—	F3
L7		—	F4
L8		—	F3
L9		—	F4
L10		—	F3
L11	Band-spread R.F. tuning coils ...	—	F4
L12		—	F4
L13		—	F4
L14		—	F4
L15		—	F4
L16	B-s osc. coup. ...	—	F4
L17		—	F4
L18		10-0	E5
L19		—	E5
L20		—	F4
L21	Band-spread osc. tuning coils ...	—	F4
L22		—	F5
L23		—	F5
L24		—	F5
L25		—	F5
L26	Oscillator tuning coils ...	1-2	E5
L27		4-0	E5
L28		9-5	E5
L29		1st I.F. trans. { Pri. 5-0 Sec. 5-0	B2
L30			B2
L31	2nd I.F. trans. { Pri. 5-0 Sec. 5-0	B1	
L32		B1	
L33	Speech coil ...	2-8	—
T1	O.P. trans. { a ... b ... c ... d ... e ...	2-0	B1
		200-0	
		—	
		3-0	
		1-0	
T2	{ Primary, total ... H.T. sec., total ... Heater secondary ...	30-0	B1
		216-0	
		—	
S1-			
S46	Waveband switches	—	E3
S47	P.U. switch ...	—	D5
S48	Int. L.S. switch ...	—	D5
S49	Mains sw., g'd R22	—	C3

CIRCUIT ALIGNMENT



associated switch table

[illegible]

13 m.—Switch set to 13 m, tune to 21.6 Mc/s, feed in a 21.6 Mc/s (13.89 m) signal and adjust the core of **L25** (A2) for maximum output.