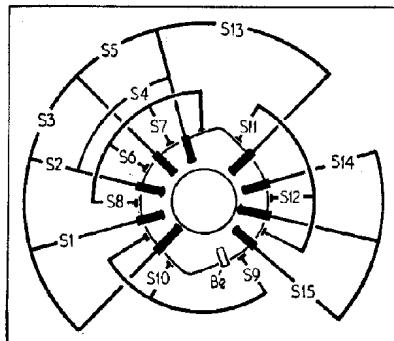


Resistors			C5	1,000pF	C2	L7	—	+	B3
R1	18kΩ	D2	C6	180pF	C3	L8	—	—	B3
R2	4.7kΩ	D2	C7	165pF	D2	L9	—	—	B3
R3	1kΩ	B2	C8	0.1μF	B2	L10	—	—	B3
R4	100Ω	C2	C9	0.1μF	B2	L11	—	—	C3
R5	33kΩ	B1	C10	10μF	B2	L12	—	—	C3
R6	8.2kΩ	B2	C11	0.02μF	B2	L13	—	—	C3
R7	680Ω	B2	C12	0.02μF	B2	L14	—	—	C2
R8	15kΩ	B2	C13	0.01μF	A2	L15	—	—	C1
R9	4.7kΩ	B2	C14	0.01μF	A2	L16	—	—	B2
R10	560Ω	B2	C15	10μF	A1	L17	—	—	B2
R11	820Ω	A2	C16	75μF	B2	L18	—	—	B3
R12	2.2kΩ	B1	C17	200μF	A2	L19	—	—	B3
R13	27kΩ	B1	C18	200μF	A1	L20	25Ω	—	A2
R14	10kΩ	A2	C19	100μF	A2				
R15	820Ω	A2	C20	560pF	B2				
R16	82Ω	A2	C21	39pF	C2				
R17	2.2kΩ	A2	C22	560pF	C2				
R18	82Ω	A2	C23	250pF	B2				
R19	2.2kΩ	A2	C24	250pF	B3				
R20	3.3Ω	A2	C25	3pF ³	D3				
R21	3.3Ω	A2	TC1	5pF	B1				
R22	330Ω	B2	TC2	25pF	C1				
R23	4.7Ω	A2	TC3	5pF	C2				
R24	560Ω	A1	VC1	—	C2				
R25	100kΩ ⁴	D2	VC2	—	C2				
VR1	5kΩ	A1							
Capacitors			Coils			Miscellaneous			
C1	0.01μF	D2	L1	—	B1	M1	OA70	B2	
C2	1,000pF	D2	L3	—	C1	TH1	VA1034	A2	
C3	0.022μF	C2	L4	—	B1	TH2	VA1034	A2	
C4	2,200pF	C2	L5	—	C1	TX1	—	A3	
			L6*	—	C1	S1-S15	—	D3	
						S16, S17	—	A1	



Transistor Table

Transistor	Emitter (V)	Base (V)	Collector (V)
TR1 AF115 ..	0.8	0.94	4.6
TR2 AF117 ..	0.8	0.93	4.6
TR3 AF117 ..	0.9	1.1	4.6
TR4 OC81D ..	1.0	1.1	5.5
TR5 OC81 ..	—	0.2	3.0
TR6 OC81 ..	3.0	3.2	6.0

*Not fitted in some receivers.

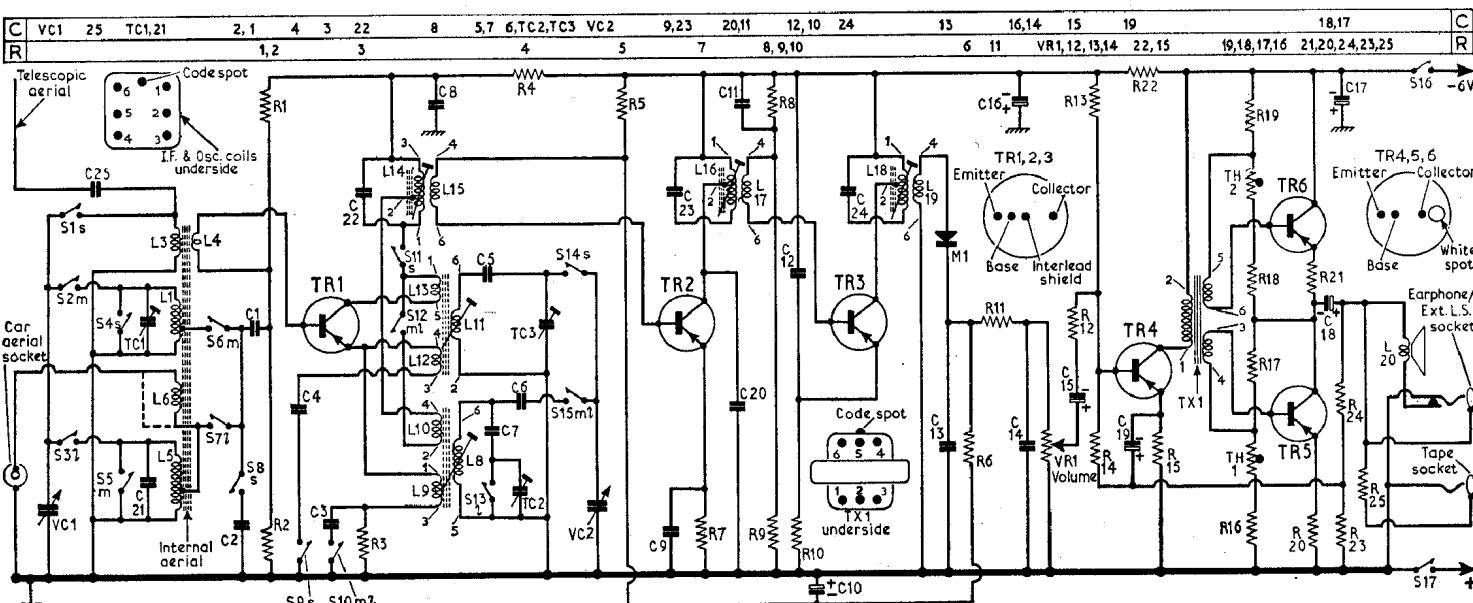
[†]No component.

[‡]330Ω in some receivers.

[§]May vary from 47kΩ to 330 kΩ.

[¶]Formed by lead capacitance.

In some receivers C25 is a 10pF capacitor.



CIRCUIT ALIGNMENT

Alignment points 1-7 which are mentioned in the alignment procedure operations, refer to markings which are to be found on the upper edge of the scale backing plate (see chassis illustration).

Equipment Required.—An audio output meter with an impedance of 25Ω; a 0-50mA d.c. milliammeter in series with the battery supply lead. During alignment the output should not be allowed to exceed 50mW and the total receiver current should not exceed 30mA.

1.—Connect the audio output meter in place of the loudspeaker and connect the d.c. milliammeter in series with the battery supply lead. During alignment the output should not be allowed to exceed 50mW and the total receiver current should not exceed 30mA.

2.—Connect the signal generator to the coupling coil and place the coil about six inches from the ferrite rod aerial. Turn the tuning gang to the fully open position and check that the cursor lines up with alignment mark 7.

3.—Switch receiver to l.w. and set the cursor to mark 2. Feed in a 170kc/s signal and adjust L8 and L5 for maximum output.

4.—Switch receiver to m.w. and set the cursor to mark 6. Feed in a 1,500kc/s signal and adjust TC2 for maximum output.

5.—Set the cursor to mark 1. Feed in a 600kc/s signal and adjust L1 for maximum output.

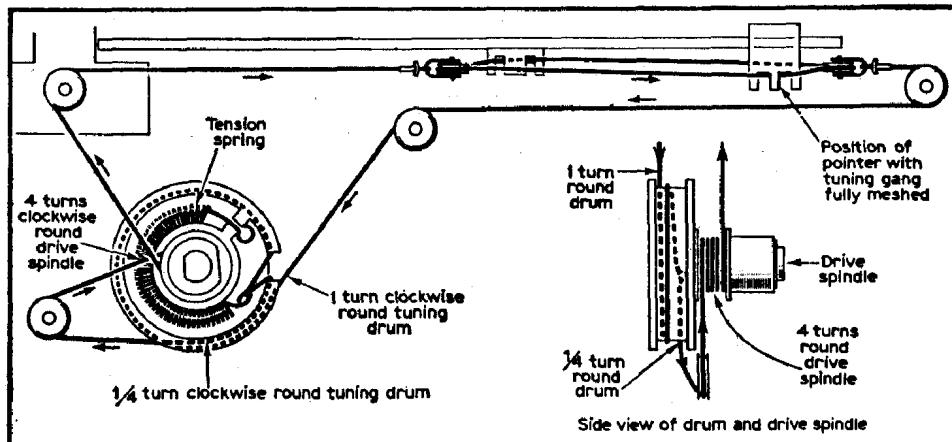
6.—Set the cursor to mark 6. Feed in a 1,500kc/s signal and adjust TC3 for maximum output.

7.—Repeat operations 7 and 8.

10.—Switch receiver to s.w. and set the cursor to mark 3. Feed in a 6.85Mc/s signal and adjust L11 and L3 for maximum output.

11.—Set the cursor to mark 5. Feed in a 15Mc/s signal and adjust TC3 for maximum output.

12.—Repeat operations 10 and 11.



Sketch of the tuning drive cord system as seen when viewed from the foil side of the printed panel.

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