

SERVICE DATA.

COMPONENTS NOT SHOWN ON CIRCUIT DIAGRAM.

No. on Diagram.	Description.	Code No.	Price.	No. on Diagram.	Description.	Code No.	Price.
1	Dial slide rod	24/252	1/6	—	3 position tone control switch	74/418	1/10
2, A, 15, } 14, 12, 13 }	Dial wire assembly complete	26/318	3/-	—	Dial glass, printed	33/541	5/6
3	Glass pointer rod	33/522	6d.	—	Rubber bands, dial glass	33/316	3d. pr.
4	Pointer clamp and slider	24/519	2/6	—	Baffle silk	35/222	2/6
5	Slider counter weight	24/475	3d.	—	No. 23 cabinet complete	33/655	£4/17/6
6	Dial adjusting brackets	23/444	6d.	—	Control knob	32/229	7d.
7	Dial mounting brackets	23/441	6d.	—	Loudspeaker unit complete	45/328	25/-
8	Dial drive cord	35/313	5d.	—	Output transformer only	44/321	7/-
9	Cord tension spring	25/211	2d.	—	Amphenol type octal socket	34/521	6d.
10	Dial drum, Philite	32/226	2/8	—	Wafer type octal socket	34/546	4d.
11	Cable support gang bracket	23/443	1/6	—	7-pin speaker socket	34/542	6d.
—	Tuning control spindle	24/242	9d.	—	Dial lamp holder and bracket	23/484	2/-
—	Tuning control mounting bracket	24/442	6d.	—	Valve shield	24/664	5d.
—	Volume control spindle	24/913	6d.	—	Valve shield base	24/665	3d.
—	Tone control mounting bracket	23/480	9d.	—	Power cord	26/211	1/9
				—	Rubber chassis mounting grommet	32/311	2d.
				—	Brass bush for above grommet	24/218	2d.

PRICES QUOTED SUBJECT TO CHANGE WITHOUT NOTICE.



PHILIPS RADIOPLAYER MODEL 2351

A.C. OPERATED FOR BROADCAST RECEPTION

SPECIFICATIONS

(Subject to Alteration Without Notice)

Voltage Rating (Power Supply)	220 to 260 volts A.C.
Tuning Range	1600 to 540 Kc/s.
Intermediate Frequency	472.5 Kc/s.

VALVE EQUIPMENT

Frequency Converter	EK2G Octode.
I.F. Amplifier	6U7G Penthode.
Demodulator and Audio Amplifier	6B6G Duo-diode-triode
Power Amplifier	EL3G Power Penthode.
Rectifier	5Y3G Full-Wave.
Dial Lamp	Special type 8091D 6.3 v., 0.64A.

VOLTAGE ADJUSTMENT.

The receiver may be adjusted to mains voltage of 220, 240 or 260 volts by means of taps located on the power transformer. Special receivers for 110 volt operation may be supplied on request.

REMOVING THE CHASSIS.

- (1) Remove power plug.
- (2) Unscrew knobs at front of cabinet.
- (3) Withdraw loudspeaker plug from chassis.
- (4) Remove dial glass and mechanism by withdrawing the four screws securing the dial bracket at either end of the dial. Care should be taken during this operation to see that when released, the dial glass is carefully laid aside to avoid risk of breakage. The remaining mechanism of the dial is now laid with care on top of the chassis, with due attention to the fact that the flexible cable should not be kinked.
- (5) Remove chassis mounting bolts.
- (6) The chassis may now be withdrawn.
- (7) Replacing the chassis may be accomplished by a reversal of the above-mentioned withdrawal procedure.

DIAL CALIBRATION.

If the pointer does not indicate the correct position for a given station, the position of the pointer in relation to the gang condenser may be adjusted by loosening the clamping screw on the pointer slider and moving the slotted wire tension guide in relation to the pointer slider.

After adjustment, tighten the clamping screw securely.

VOLTAGE ANALYSIS.

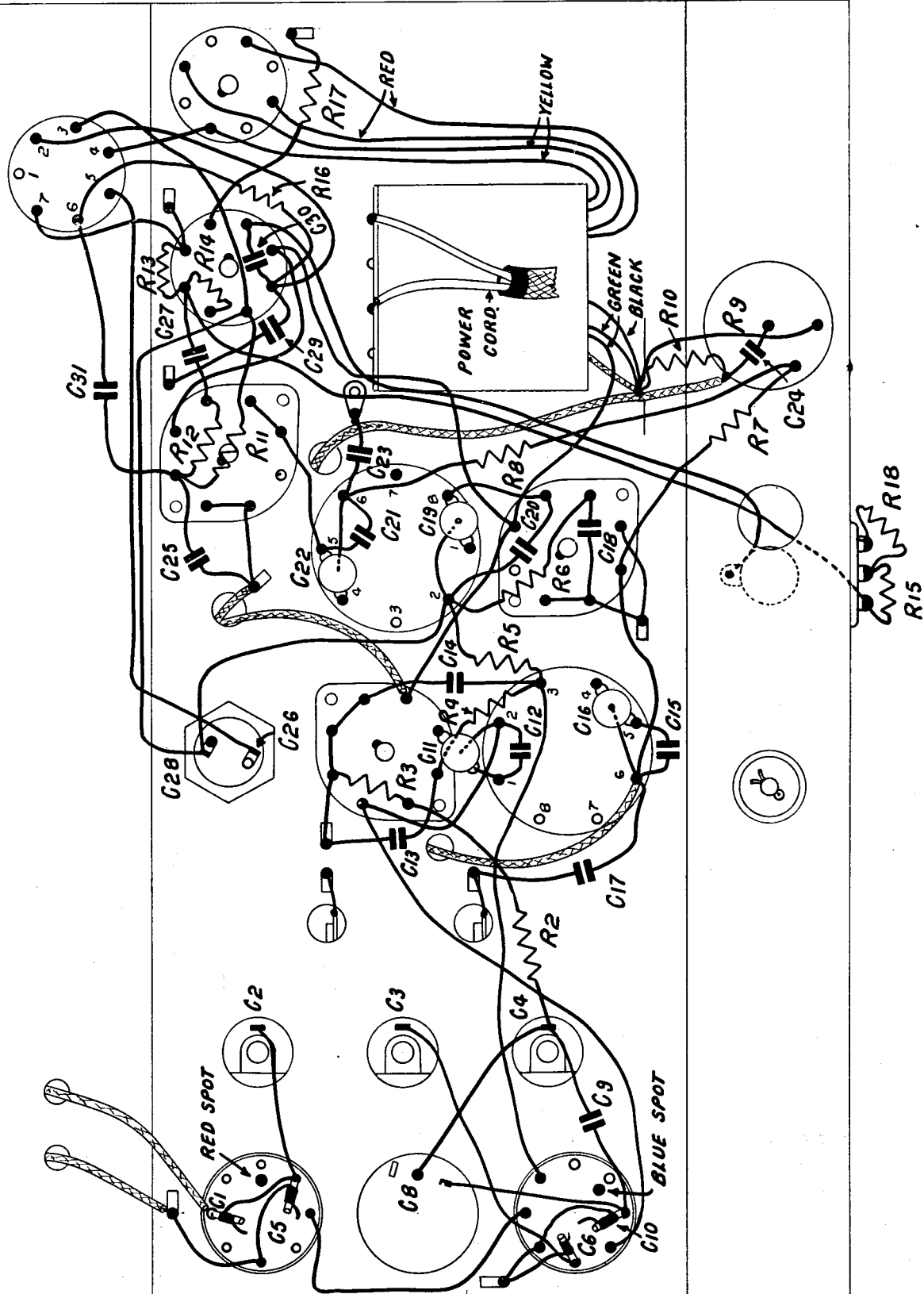
Valve Type.	Plate Voltage.	Screen Voltage.	Bias Voltage.	Heater Voltage (A.C.).
EK2G	180 (Osc. p. = 180)	30	0	6.3
6U7G	225	80	0	6.3
6B6G	90	—	0	6.3
EL3G	205	225	5	6.3
5Y3G	300 volts A.C. per plate			5.0

NOTE:

The abovementioned voltage values, with the exception of bias voltages, are measured between the socket points indicated and chassis with the receiver in the no signal condition and with the volume control at zero. Bias voltages are to be measured at the source of the voltage, as incorrect readings will otherwise be obtained. Voltages are measured with a 1,000 ohm per volt voltmeter and may vary as much as 10 per cent. from the figures quoted.

COMPONENT LOCATION DIAGRAM.

C	5. 1.	9.	3.	17. 13.	11. 15.	25. 21. 19.	23.	31. 29. 27.	G.	
	6. 10. 8.	2. 4.	28. 12. 26. 16. 14.	22. 18. 20.	24.			30		
R.		2.	3.	4.	5.	6. 15.	18. 8. 11. 7. 12.	9. 10. 14. 13.	16.	17.



SERVICE DATA.

COMPONENT PARTS

(PRICES QUOTED ARE STRICTLY NETT AND ARE SUBJECT TO ALTERATION WITHOUT NOTICE.)

CONDENSERS.

No. on Diagram.	Value.	Code No.	Price.	No. on Diagram.	Value.	Code No.	Price.
C1	8 uuF	52/521	3d.	C18	.01 uF	52/311	4d.
C2, C3, C4	Tuning gang	53/215	10/3	C19	2.5-30 uuF	54/313	8d.
C5	0-25 uuF	52/515	3d.	C20	80 uuF	52/239	6d.
C6	0-25 uuF	52/515	3d.	C21	80 uuF	52/239	6d.
C7	100 uuF	52/811	6d.	C22	2.5-30 uuF	54/313	8d.
C8	2.5-30 uuF	54/313	8d.	C23	100 uuF	52/811	6d.
C9	400 uuF	52/233	7d.	C24	.01 uF	52/311	4d.
C10	0-25 uuF	52/515	3d.	C25	.02 uF	52/313	7d.
C11	2.5-30 uuF	54/313	8d.	C26	16 uf Electro	52/912	6/6
C12	80 uuF	52/239	6d.	C28	8 uF Electro		
C13	.01 uF	52/311	4d.	C27	.004 uF	52/324	7d.
C14	.01 uF	52/311	4d.	C29	.004 uF	52/324	7d.
C15	80 uuF	52/239	6d.	C30	250 uuF	52/214	7d.
C16	2.5-30 uuF	54/313	8d.	C31	.01 uF	52/311	4d.
C17	.01 uF	52/311	4d.				

RESISTORS.

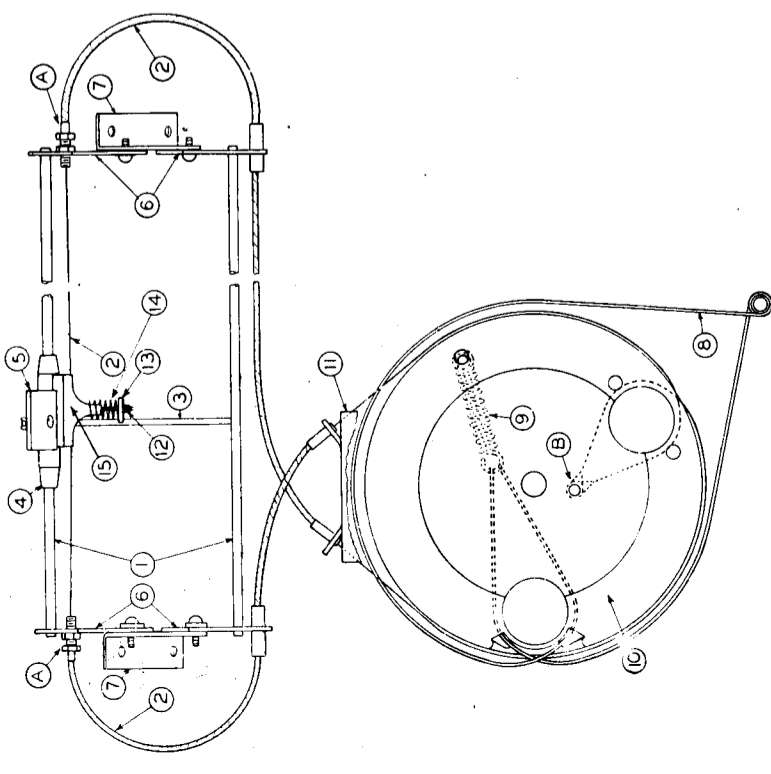
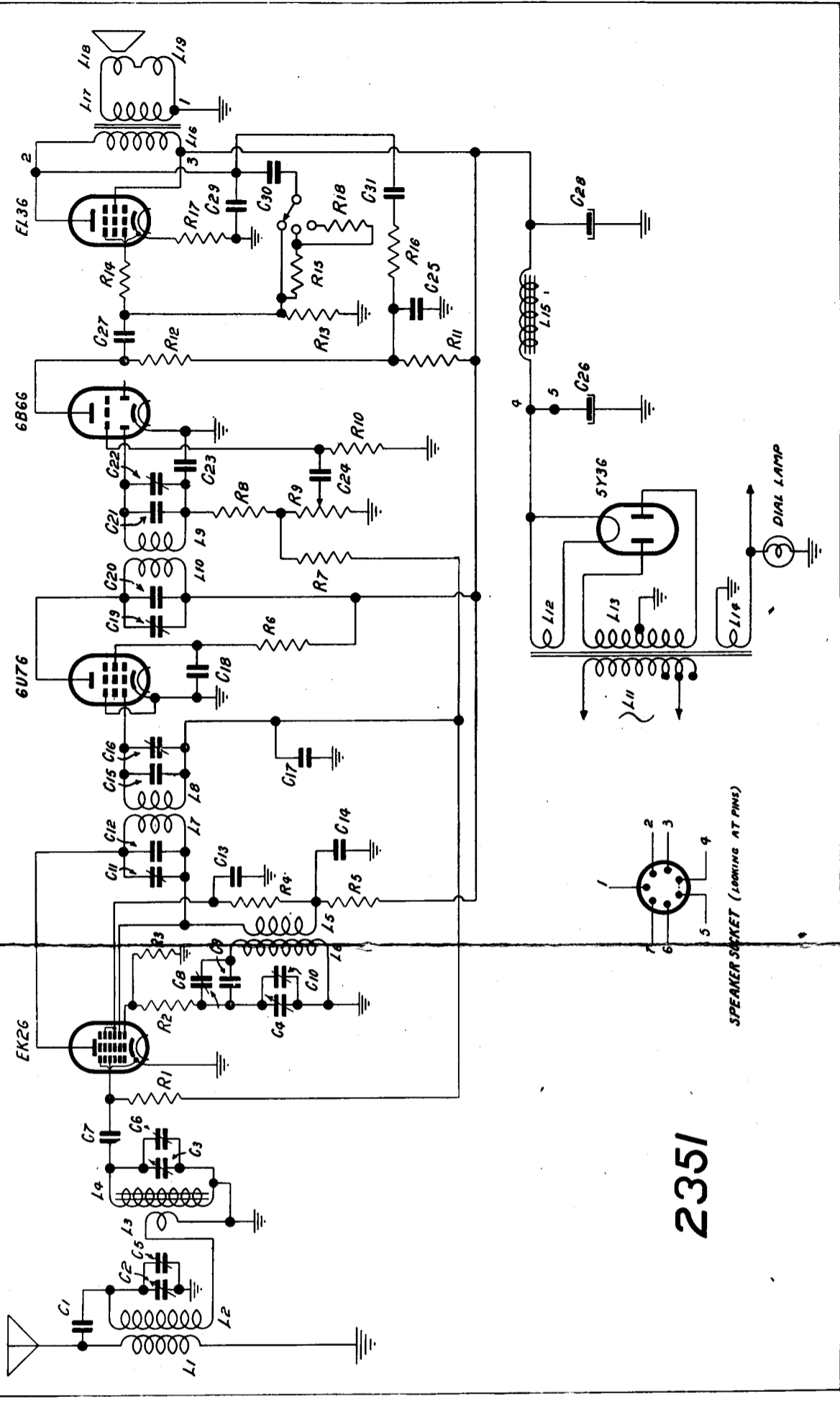
No. on Diagram.	Value.	Code No.	Price.	No. on Diagram.	Value.	Code No.	Price.
R1	0.5 megohm	62/216	4d.	R10	2 megohm	62/222	4d.
R2	50 ohm	62/211	6d.	R11	10,000 ohm	62/213	4d.
R3	50,000 ohm	62/212	4d.	R12	250,000 ohm	62/415	5d.
R4	250,000 ohm	62/232	4d.	R13	0.5 megohm	62/216	4d.
R5	10,000 ohm	62/422	5d.	R14	50,000 ohm	62/212	4d.
R6	60,000 ohm	62/413	5d.	R15	1 megohm	62/214	4d.
R7	2 megohm	62/222	4d.	R16	25,000 ohm	62/218	4d.
R8	50,000 ohm	62/212	4d.	R17	150 ohm	64/213	5d.
R9	0.5 meg. pot.	49.470.30	3/3	R18	5 megohm	62/227	5d.

COILS.

No. on Diagram.	Value.	Code No.	Price.	No. on Diagram.	Value.	Code No.	Price.	
L1	30 ohms	42/712	4/3	L9	8 ohms	42/423	7/3	
L2	4 ohms			L10	8 ohms			
L3	3.5 ohms	42/216	5/-	L11	—	44/212 (240v.) 13/-	13/-	
L4				Band Pass & Osc. Coil	L12			—
L5					L13			—
L6					2.5 ohms			L14
L7	8 ohms	42/319	7/3	L15	1500 ohms	45/328	25/-	
L8	8 ohms			L16	600 ohms			
	1st I.F.			L17	—			
				L18	—			
				L19	—			

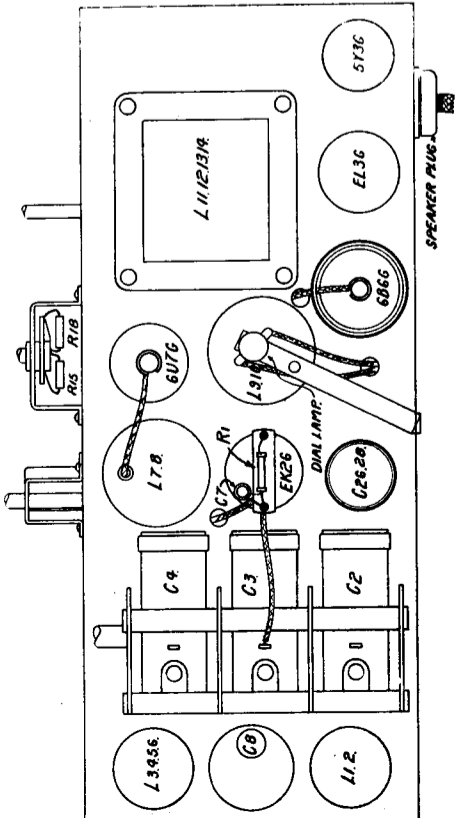
IMPORTANT: In ordering spare parts quote **CODE NUMBER ONLY**. If claiming free replacement under **GUARANTEE**, return defective parts **PROMPTLY** and quote **TYPE** and **SERIAL NUMBER** of **RADIOPLAYER**.

L	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33

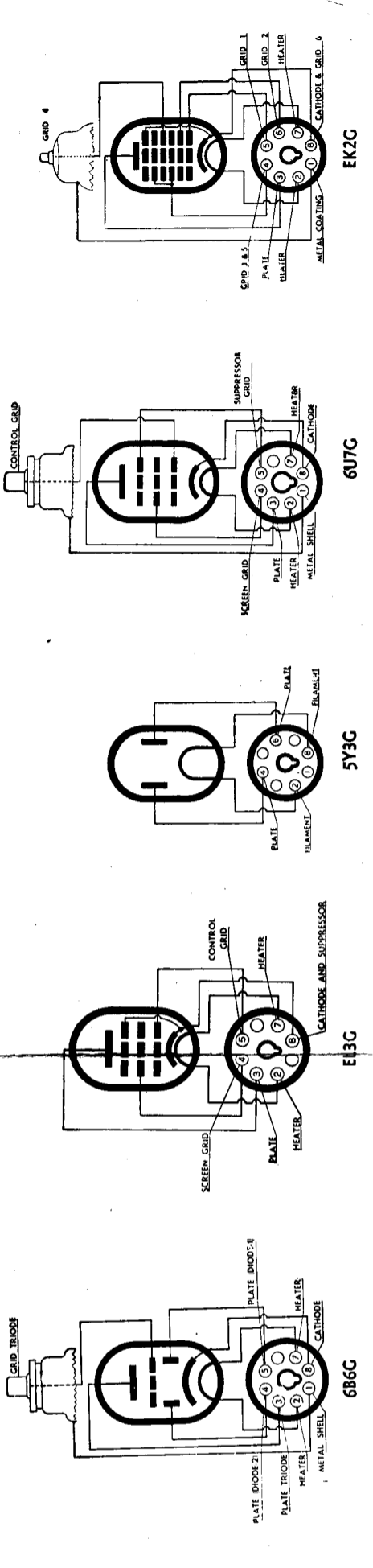


DIAL PARTS DIAGRAM

CHASSIS LAYOUT



SOCKET CONNECTIONS VIEWED FROM BOTTOM OF BASE.



6B6G

E13C

5Y36

6U7G

EK26