PHILIPS RADIOPLAYER MODEL 2652

A.C. OPERATED FOR WORLD-WIDE RECEPTION

SPECIFICATIONS.

(Subject to Alteration Without Notice)

Voltage Rating (Power Supply)	**220 to 260 Volts A.C.** **(Also special 110 volt Models)**
Tuning Range	**1610 to 540 Kc/s. and 8 to 22 Mc/s.**
Intermediate Frequency	**472.5 Kc/s.**

VALVE EQUIPMENT.

Frequency Converter	**EK2G Octode**
I.F. Amplifier	**6U7G R.F. Penthode**
Demodulator and Audio	**6B6G D.D. Triode**
Power Amplifier	**6V6G Beam Tetrode**
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 and side of cabinet.

(3) Remove fibre back.

(4) Withdraw loudspeaker plug from baffle.

(5) 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.

(6) Loosen one clamping screw at each side of base-board.

(7) Remove two holding bolts at front of base-board.

(8) Slide chassis out of cabinet.

(9) Remove four chassis to base-board securing bolts.

(10) 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.

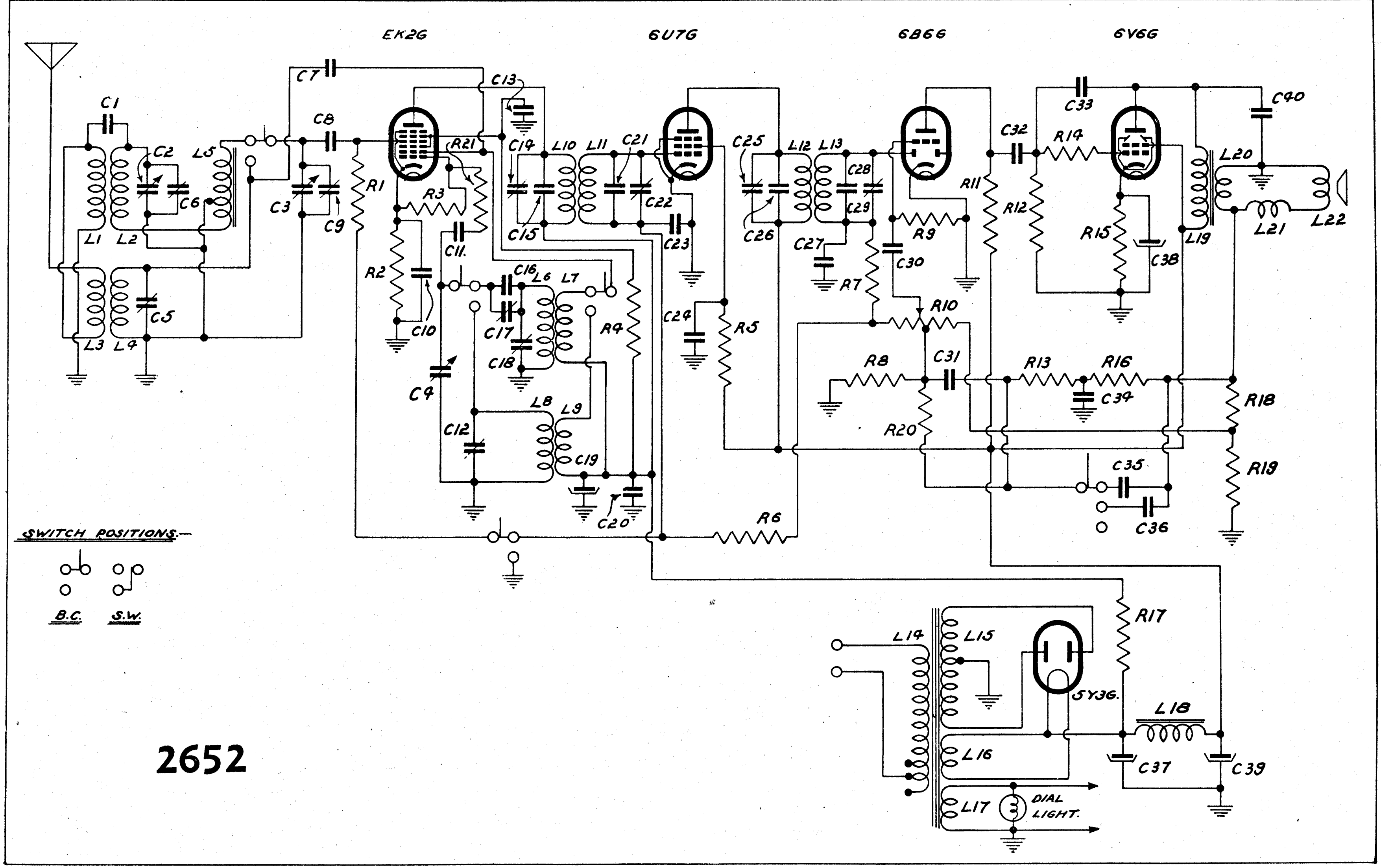
Valve Type.	Plate Voltage.	Screen Voltage.	Bias Voltage.
EK2G	200	45	2
6U7G	230	85	0
6B6G	80	—	0
6V6G	210	230	10
5Y3G	320 volts A.C. per plate.		

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.

L.	1.2.3.4. 5. 6.7.8.9.10.11. 12.13. 14. 15.16.17. 18. 19. 20. 21. 22.	L.
C.	1. 2. 6. 3. 7.8. 4. 11. 13.14.15.16. 24. 25. 27. 28. 30. 31. 32. 33. 34. 37. 39. 40.	C.
	5. 9. 10. 12. 17.18. 19. 20.21.22.23. 26. 29. 35.36.38.	
R.	1.2. 3.21. 4. 5. 6. 7. 8.20.9.10. 11. 12.13.14. 15.16. 17. 18.19.	R.



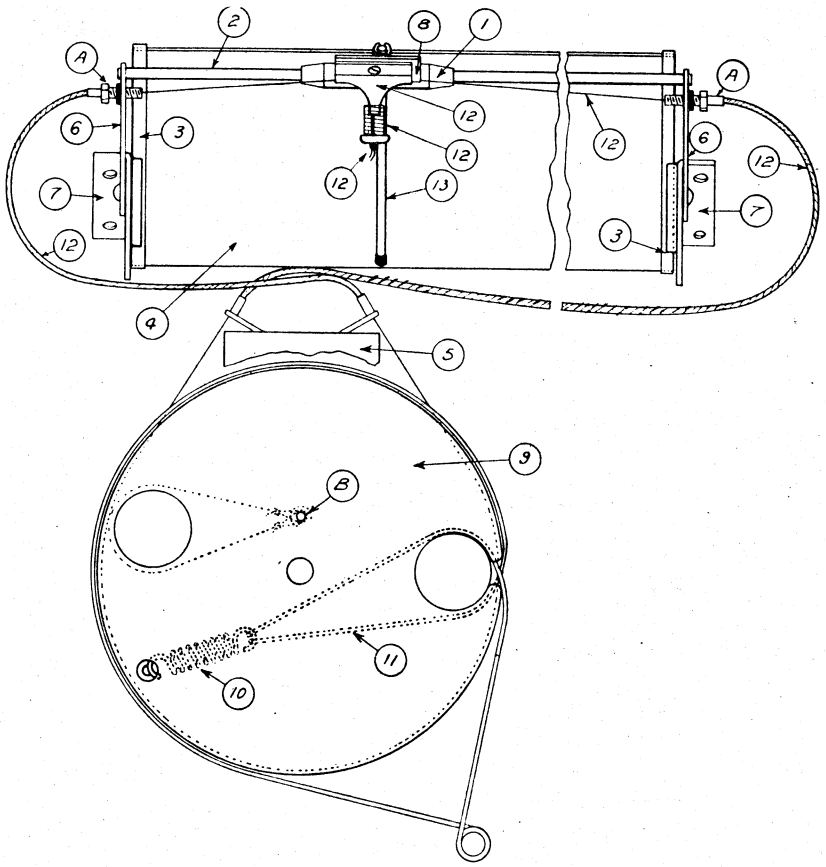
2652

COMPONENTS NOT SHOWN ON CIRCUIT DIAGRAM

No. on Dial Drawing.	Description.	Code No.	Price.
—	Badge, Philips emblem	24/447	1/–
—	Back, cabinet	34/750	5/6
—	Baffle, with silk	34/422	7/6
—	Bag, cloth, for speaker	35/226	2/–
—	Baseboard	33/694	3/3
—	Base, valve shield	24/665	3d.
6	Bracket, dial slider, adjustable	24/751	6d.
7	Bracket, dial mounting	23/611	8d.
5	Bracket, gang cable support	92/238	1/6
—	Bracket, tuning control spindle	24/442	6d.
—	Cabinet, No. 26, moulded	32/266	£2/7/6
1	Clamp and slider, pointer transport	24/519	2/6
—	Clamp, base board	24/423	3d.
—	Clicker plate, wave change	72/221	2/3
11	Cord, dial drive	35/313	5d.
—	Cord, power cable	26/211	1/9
8	Counterweight, dial pointer	24/475	3d.
9	Drum, dial drive, moulded	34/599	2/8
4	Glass, dial, printed	33/572	6/3.
—	Grommets, rubber, chassis mounting	32/311	2d.

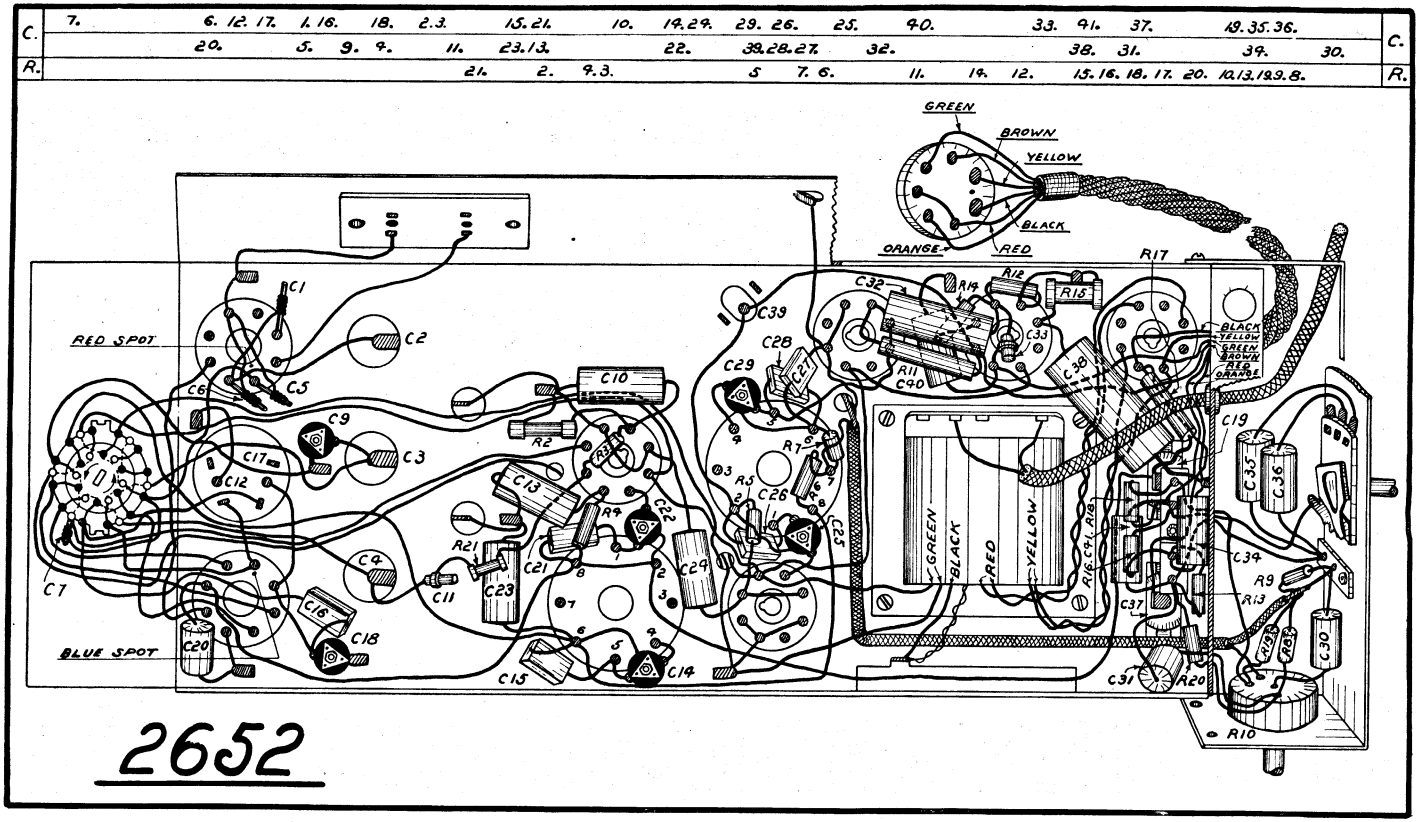
No. on Dial Drawing.	Description.	Code No.	Price.
—	Knob, tuning control, metal insert	34/585	1/2
—	Knob, tuning control, plain	32/261	6d.
—	Lamp, dial illuminating, Red	92/239	7d.
—	Lamp, dial illuminating, Green	92/240	7d.
—	Locking ring, amphenol sockets	24/666	1d.
13	Pointer, glass	33/566	6d.
3	Rubber bands, dial glass	33/316	3d.
—	Silk, for baffle	35/213	2/6
2	Slide rod, dial	24/931	1/6
—	Socket, octal, amphenol	34/521	6d.
—	Socket, dial lamp with bracket	23/483	2/6
—	Spacers, chassis mounting, brass	24/218	2d.
—	Spindle, tuning control	24/971	9d.
—	Spindle, volume control	24/970	6d.
10	Spring, dial cord tension	25/211	2d.
—	Switch section, wave change	73/411	2/–
—	Switch, tone control	93/253	2/9
—	Transformer, speaker output	44/324	7/6
—	Valve shield, plus cap	24/663	7d.
12	Wire assembly, dial drive	93/254	3/–

PRICES QUOTED SUBJECT TO CHANGE WITHOUT NOTICE.

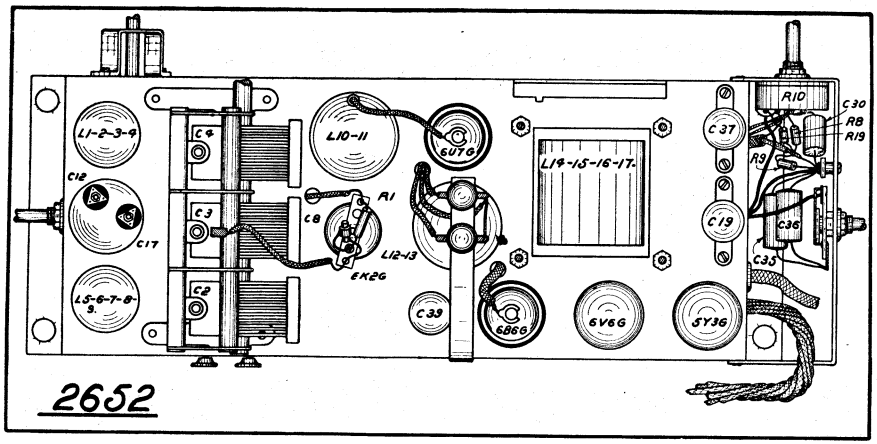


DIAL PARTS DIAGRAM

SERVICE DATA.



CHASSIS LAYOUT DIAGRAM.



COMPONENT PARTS

PRICES QUOTED ARE STRICTLY NETT, AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.

CONDENSERS

No. on Diagram.	Value.	Code No.	Price.
C1	8 uuF	52/521	3d.
C2, C3, C4	Tuning Gang	53/217	10/3
C5	25 uuF	52/515	3d.
C6	25 uuF	52/515	3d.
C7	Neutralising	52/527	3d.
C8	100 uuF	52/811	6d.
C9	2.5 to 30 uuF	54/313	8d.
C10	.01 uF	52/317	7d.
C11	100 uuF	52/212	7d.
C12	2.5 to 30 uuF	54/313	8d.
C13	.01 uF	52/317	7d.
C14	2.5 to 30 uuF	54/313	8d.
C15	80 uuF	52/239	6d.
C16	400 uuF	52/247	7d.
C17	2.5 to 30 uuF	54/313	8d.
C18	2.5 to 30 uuF	54/313	8d.
C19	8 uF	52/426	3/-
C20	.01 uF	52/317	7d.
C21	80 uuF	52/239	6d.
C22	2.5 to 30 uuF	54/313	8d.
C23	.05 uF	52/340	9d.
C24	.01 uF	52/317	7d.
C25	2.5 to 30 uuF	54/313	8d.
C26	80 uuF	52/239	6d.
C27	100 uuF	52/811	6d.
C28	80 uuF	52/239	6d.
C29	2.5 to 30 uuF	54/313	8d.
C30	.05 uF	52/340	9d.
C31	.07 uF	52/345	11d.
C32	.1 uF	52/342	10d.
C33	100 uuF	52/811	6d.
C34	.03 uF	52/335	6d.
C35	.05 uF	52/340	9d.
C36	.006 uF	52/341	8d.
C37	8 uF	52/426	3/-
C38	25 uF	52/416	1/3
C39	16 uF	52/429	3/9
C40	.004 uF	52/331	8d.

RESISTORS

No. on Diagram.	Value.	Code No.	Price.
R1	1 megohm	62/214	4d.
R2	250 ohm	62/243	6d.
R3	50,000 ohm	62/212	4d.
R4	150,000 ohm	62/233	4d.
R5	100,000 ohm	62/218	4d.
R6	2 megohm	62/222	4d.
R7	50,000 ohm	62/212	4d.
R8	10,000 ohm	62/213	4d.
R9	2 megohm	62/222	4d.
R10	.5 megohm pot. (tapped)	63/612	3/9
R11	250,000 ohm	62/415	5d.
R12	.5 megohm	62/216	4d.
R13	10,000 ohm	62/213	4d.
R14	50,000 ohm	62/212	4d.
R15	250 ohm	64/239	6d.
R16	1,500 ohm	62/231	4d.
R17	25,000 ohm	62/423	5d.
R18	50 ohm	62/211	6d.
R19	25 ohm	62/223	6d.
R20	50,000 ohm	62/212	4d.
R21	25 ohm	62/223	6d.

COILS

No. on Diagram.	Description.	Code No.	Price.
L1, L2, L3, L4	Aerial Coil	42/717	4/3
L5, L6, L7, L8, L9	Band-pass & Osc. Coil	42/223	5/-
L10, L11	1st I.F.	42/319	7/3
L12, L13	2nd I.F.	42/423	7/3
L14, L15, L16, L17	Power Transformer	44/227	14/6
L18, L19, L20, L21, L22	Speaker complete with Transformer	45/355	21/-
L19, L20	Speaker Transformer only	44/324	7/6