

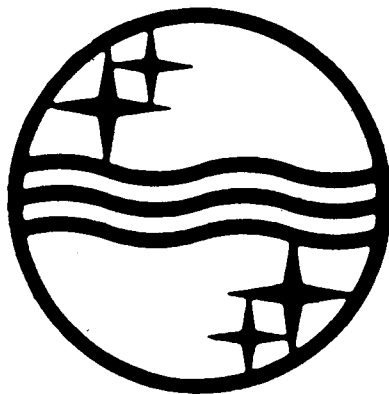
# SERVICE DATA

## COMPONENTS NOT SHOWN ON CIRCUIT DIAGRAM

No. on Dial Diagram	Description	Code No.	Price
—	Back, cabinet .....	34/183	2/6
—	Baffle, with silk .....	34/432	4/6
—	Bar, chrome .....	25/471	4/- set
—	Base, valve shield .....	24/665	3d.
—	Cabinet, moulded, bakelite, No. 30 .....	32/541	1d
—	Clamp, dial glass .....	23/459	1d.
—	Clip, grid, small .....	24/629	1d.
—	Clip, grid, large .....	24/611	1d.
5	Cord, dial drive .....	35/326	6d.
—	Cord, power cable .....	26/211	1/9
1	Drum, dial drive, moulded .....	34/594	2/-
—	Glass, dial, printed .....	35/418	4/6
—	Grommets, gang mounting .....	32/311	2d.
—	Grommett, power cord .....	32/313	2d.
—	Knobs, control .....	32/281	5d.
—	Lamp, pilot .....	92/213	6d.
—	Panel, Aerial and Earth .....	34/903	6d.

No. on Dial Diagram	Description	Code No.	Price
—	Plate, clicker, wave-change ....	72/224	2/6
—	Plate, dial back .....	24/590	4/6
3	Pointer assembly, complete .....	93/265	9d.
—	Plugs, banana A and E .....	34/904	3d.
4	Pulley, dial drive, wood .....	34/134	6d.
—	Ring, locking Amphenol socket .....	24/666	1d.
—	Shield, valve, plus cap .....	24/663	7d.
—	Silk, baffle .....	35/238	2/-
—	Socket, 6 pin, Amphenol .....	34/515	6d.
—	Socket, octal, Amphenol .....	34/521	6d.
—	Socket, pilot lamp .....	34/901	5d.
6	Spindle, tuning control .....	24/991	9d.
2	Spring, dial cord .....	25/219	3d.
—	Switch, tone control .....	93/352	2/9
—	Switch section, wave-change ..	73/252	2/-
—	Washers, dished baffle assembly .....	23/653	1d.

(PRICES QUOTED SUBJECT TO CHANGE WITHOUT NOTICE)



# PHILIPS RADIOPLAYER MODEL 3052

A.C. OPERATED FOR BROADCAST AND SHORT-WAVE 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. 18 to 6 Mc/s.
Intermediate Frequency	472.5 Kc/s.

## VALVE EQUIPMENT.

Frequency Converter	EK2GT	Octode (V1).
I.F. Amplifier	6U7G	R.F. Pentode (V2).
Demodulator, A.V.C. and Audio Amplifier	75	Duo-diode Triode (V3).
Power Amplifier	6F6G	Power Pentode (V4).
Rectifier	5Y3G	Full-wave (V5).
Dial Lamp	6.3 volt 0.3 amp.	Panel Lamp (V11).

## VOLTAGE ADJUSTMENT.

The receiver may be adapted for A.C. mains of 220, 240 or 260 volts by means of taps located on the power transformer. It is important that the receiver should be operated with the red lead of the power flex connected to the tap which most nearly corresponds to the mains voltage where the installation is made.

## REMOVING THE CHASSIS.

- (1) Disconnect power plug and remove back of cabinet.
- (2) Remove all knobs from front of cabinet.
- (3) Remove two screws from top of dial bracket and two wood screws securing speaker to baffle.
- (4) With the above screws removed, the chassis, complete with speaker and dial mechanism, may be withdrawn.

## REPLACING THE CHASSIS.

This may be accomplished by a reversal of the withdrawal procedure.

## DIAL CALIBRATION.

If, due to transit or some other reason, the pointer does not indicate the correct position for tuning a given station, the position of the pointer in relation to the gang condenser can be adjusted by loosening the screw securing the pointer assembly to the dial drive cord and sliding the pointer to the required position. After adjustment tighten the clamping screw securely.

## NOTE:

Should it be necessary at any time to replace the dial drive cord, it is important that the method of

threading shown on the diagram over the page should be closely followed.

## VOLTAGE ANALYSIS

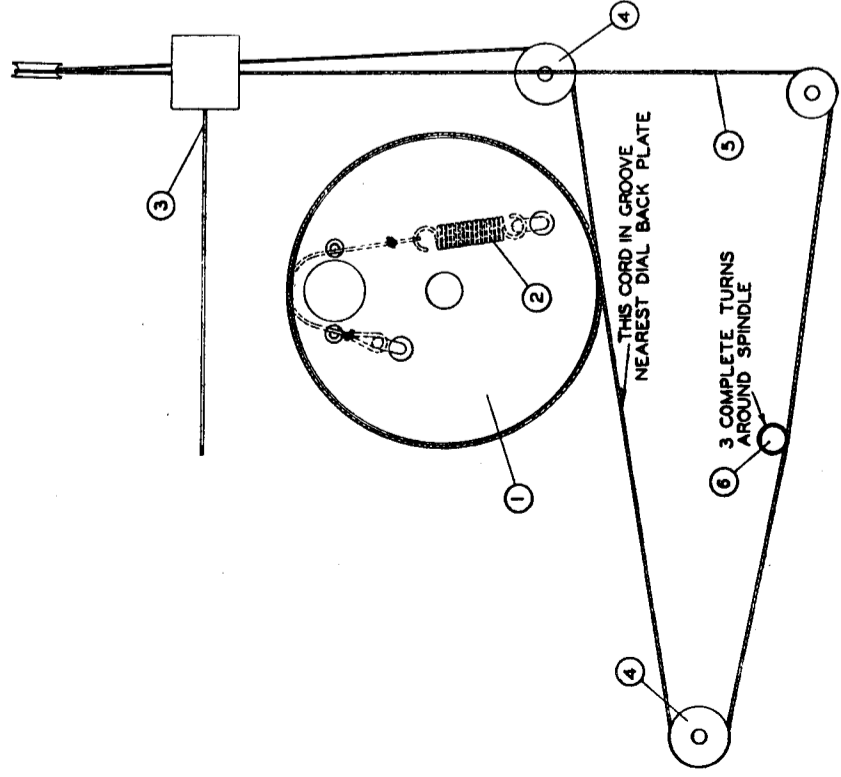
Valve Type	Plate	Screen	Cath.	Osc. Plate	Bias
EK2GT	195	40	2	195	-2
6D6	195	60	—	—	—
75	100	—	—	—	—
6F6G	175	195	—	—	-12
5Y3G	270 volt A.C. per Plate				—

Unfiltered B+ 260 volt

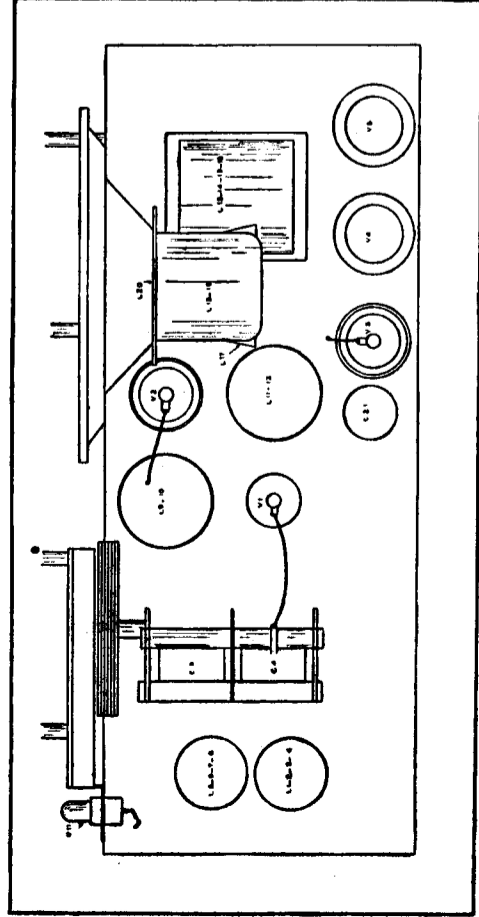
## NOTE:

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 1000 ohm per volt voltmeter and may vary as much as 10 per cent. from the figures quoted.

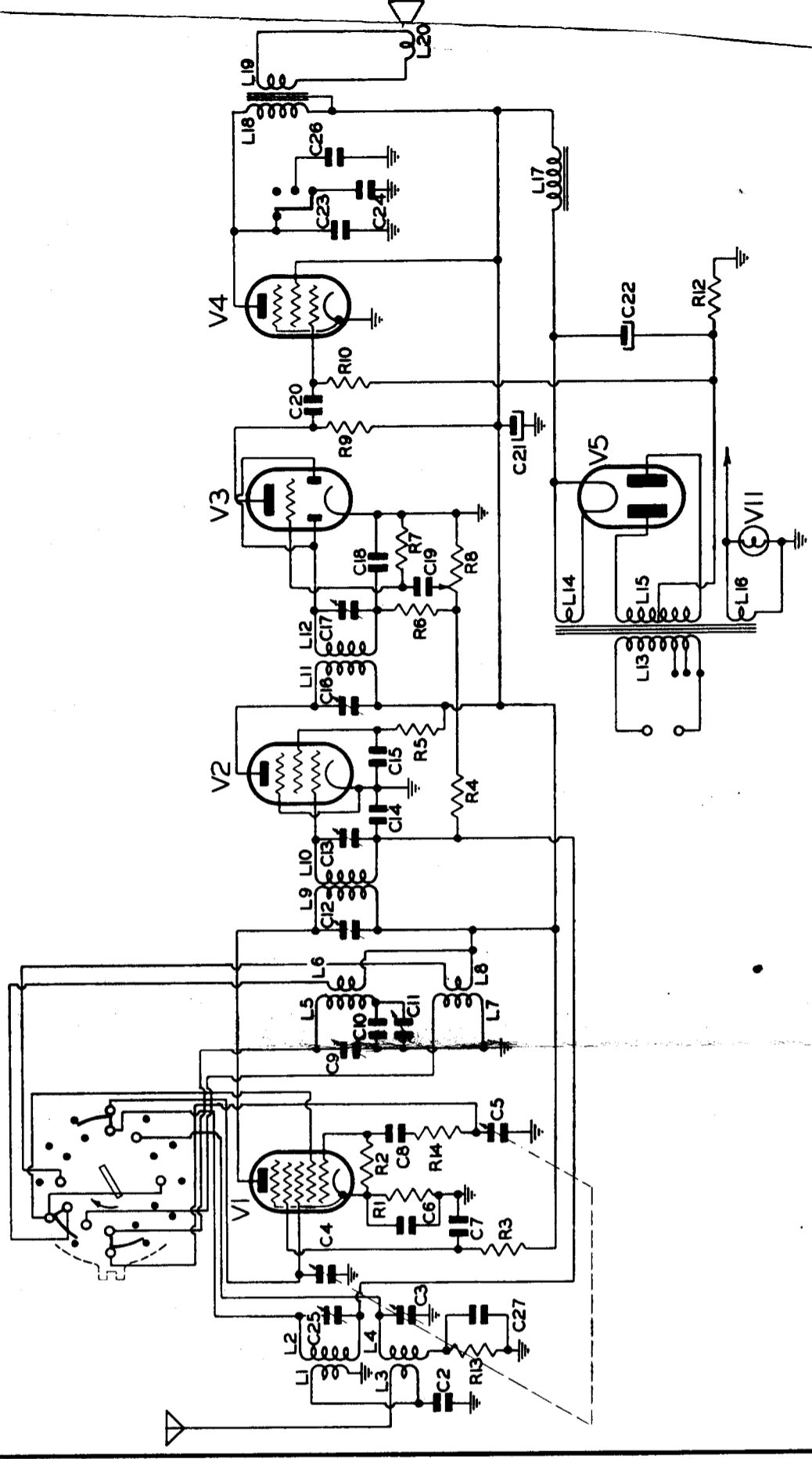
DIAL PARTS DIAGRAM



CHASSIS LAYOUT DIAGRAM



L	1. 2. 3. 4.	5. 6. 7. 8.	9.	10.	11. 12. 13. 14. 15. 16.	17.	18. 19. 20.
C	2.	4. 6.	8.	9.	10. 11.	12.	13.
R	3. 27.	7.	5.	10. 11.	14.	15.	20.
V	13.	3. 1. 2. 14.			4.	5.	21.
					6. 8. 7.	9.	22.
					11. 3. 5.	10.	24.
					2.	4.	



# SERVICE DATA

## COMPONENT PARTS

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

No.	Value	Code No.	Price	No.	Value	Code No.	Price
C2	65 mmfd $\pm$ 7 mmfd	52/245	6d.	C18	100 mmfd	52/811	6d.
C3	30 mmfd Trimmer	52/536	3d.	C19	.002 mfd	52/333	7d.
C4/5	Tuning Condenser	53/319	9/11	C20	.01 mfd	52/332	7d.
C6/7	.01 mfd	52/332	7d.	C21	32 mfd Electrolytic	52/915	3/6
C8	100 mmfd	52/811	6d.	C22	8mfd Electrolytic	52/430	2/9
C9	2-30 mmfd Trimmer	54/313	8d.	C23	.006 mfd	52/326	8d.
C10	260 mmfd $\pm$ 5%	52/271	7d.	C24	.02 mfd	52/313	7d.
C11/13	125 mmfd Trimmer (Ceramic)	52/535	6d.	C25	30 mmfd Trimmer	52/536	3d.
C15	.01 mfd	52/332	7d.	C26	.006 mfd	52/326	8d.
C16/17	125 mmfd Trimmer (Ceramic)	52/535	6d.	C27	.0035 mfd $\pm$ 10%	52/258	11d.

## RESISTORS

No.	Value	Code No.	Price	No.	Value	Code No.	Price
R1	400 ohm	62/352	5d.	R8	.5 Megohm Potentiometer	63/435	3/3
R2	50,000 ohm	62/212	4d.	R9	100,000 ohm	62/416	6d.
R3	150,000 ohm	62/314	5d.	R10	250,000 ohm	62/232	4d.
R4	2 Megohm	62/222	4d.	R12	250 ohm	64/239	6d.
R5	100,000 ohm	62/313	5d.	R13	1 Megohm	62/214	4d.
R6	50,000 ohm	62/212	4d.	R14	25 ohm	62/223	6d.
R7	5 Megohm	62/324	5d.				

## COILS

No.	Description	Code No.	Price	No.	Description	Code No.	Price
L1/4	Aerial Coil	42/740	4/3	L17/21	Speaker and Output Transformer	45/370	21/-
L5/8	Oscillator Coil	42/253	4/3	L18/19	Output Transformer, 7,000 ohm	44/341	7/6
L9/10	First Intermediate	42/335	7/3				
L11/12	Second Intermediate	42/430	7/3				
L13/16	Power Transformer	44/255	11/3				

**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**.

# COMPONENT LOCATION DIAGRAM

L	13, 14, 15, 16	11, 12	19, 21	9, 10	8	5, 6, 7, 8, 12, 13, 14, 21, 27	L
C	23	19	21	9, 10	8	5, 2, 3, 25, 14, 27	C
R	12	16	9	3	14	B	R
V	5	4	3	2	1		V

