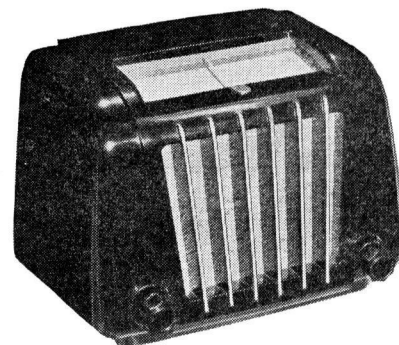


PHILIPS RADIOPLAYER

MODELS 122, 122A



SPECIFICATIONS

(Subject to alteration without notice)

Power Supply	220-260V, 40-50c/s.
Tuning Range	530-1620Kc/s.
Intermediate Frequency	455Kc/s.
Cabinet	Bakelite mantel in several colours.

VALVE EQUIPMENT AND VOLTAGE ANALYSIS

Valve Function	Valve No.	Valve Type	Plate Volts	Screen Volts	Osc. P. Volts	Bias Volts	Bias Resistor
Frequency Converter	V1	6AN7	200	73	88	-1.75	R7
I.F. Amplifier, A.V.C. and Demodulator	V2	6N8	135	65	—	-1.75	R7
Power Amplifier	V3	6M5	185	200	—	-6.2	R6 & 7
Rectifier	V4	6X5GT	245v A.C. per plate				
Dial Lamp	V11	6.3V 0.32A tubular screw					
V4 cathode — L13 C.T. — 266 volts							

NOTE: These voltages are measured with a "1,000 ohms per volt" meter and may vary $\pm 10\%$ from the figures quoted.

They are measured between the socket points quoted and chassis or across the resistors listed. The receiver should be in a "no signal" condition.

TO REMOVE CHASSIS FROM CABINET.

Remove plug from power supply socket. Remove the two control knobs—a firm pull is all that is required. Remove the combined back and bottom cover. The chassis is held to the cabinet by four screws, two at the top of the metal speaker plate and two at the bottom. After these screws have been removed, the chassis may be withdrawn from the cabinet. When withdrawing the chassis, spring the dial back plate back slightly by pressure exerted in the region of the lampholder bracket, to enable it to clear the top edge of the dial scale.

The chassis may be refitted to the cabinet by a reversal of the above procedure.

MAINS VOLTAGE ADJUSTMENT.

The power transformer is provided with two primary winding tapings, 220-240 volts and 250-260 volts, by means of which the Radioplayer may be adjusted to the mains voltage at the point of installation. The Radioplayer is adjusted to the 220-240 volts tapping before despatch from the factory.

ALIGNMENT.

The iron cores for the secondaries of the I.F. transformers are in the top of the cans; those for the primaries are in the bottom.

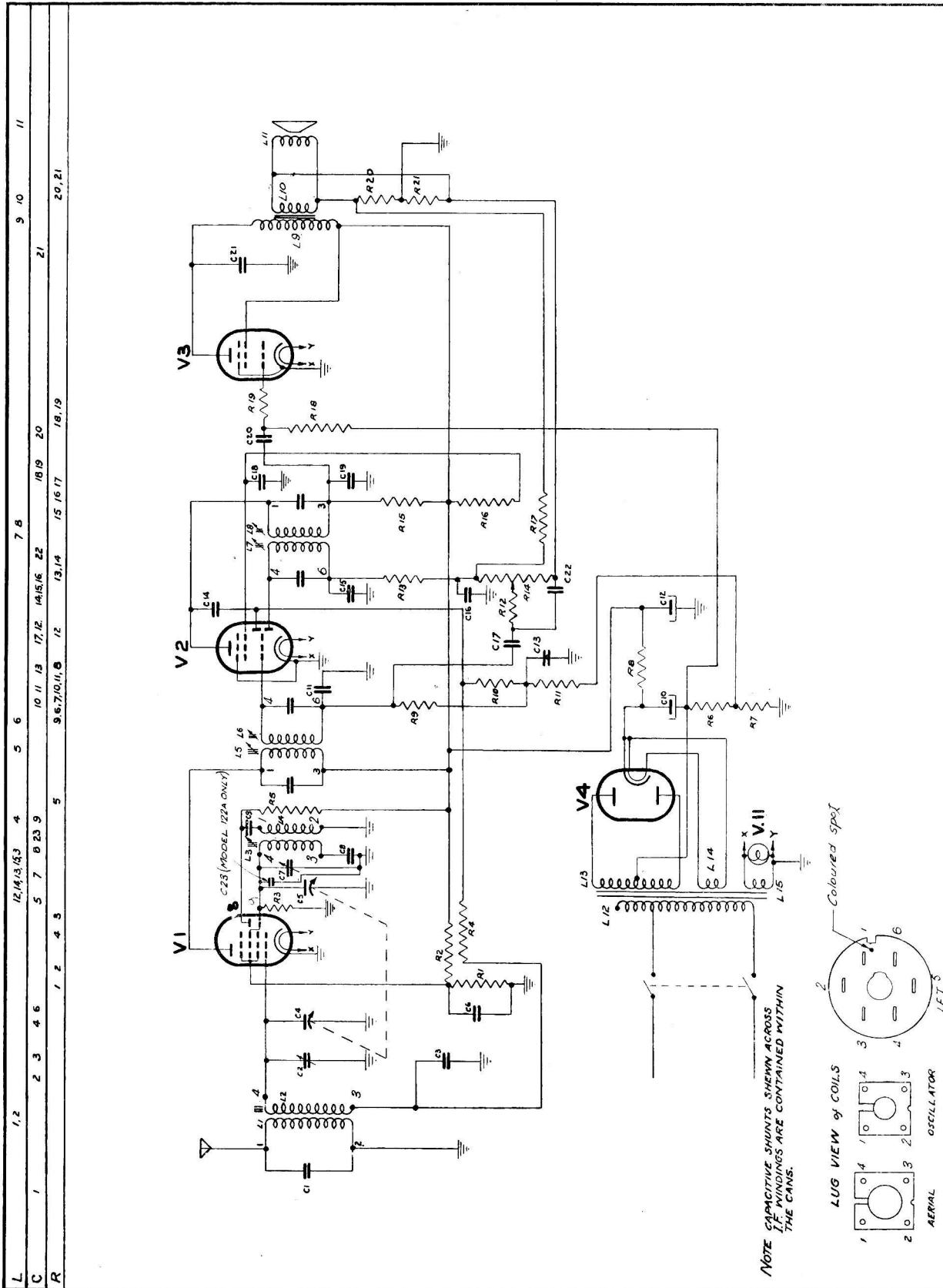
Broadcast band alignment frequencies are 1420 Kc/s and 600 Kc/s. Capacitive trimmer adjustments are used at 1420 Kc/s; the iron core of the oscillator coil is used for padding at 600 Kc/s. **Do not attempt to adjust the aerial coil iron core.** Before commencing alignment, set the dial cursor with the tuning gang fully closed, at the stop mark on the top edge of the dial back plate.

DIAL CALIBRATION.

If station calibrations are incorrect by an equal amount over the dial scale, the condition can be corrected by moving the dial cursor assembly on the dial drive cord.

BOTTOM COVER.

As the cabinet bottom cover is replaced ascertain that the earthing lug is in position.



PARTS LISTS

CAPACITORS

RESISTORS

COILS

CAPACITORS		RESISTORS		COILS	
No.	Description	Code No.	No.	Description	Code No.
C1	100pF mica 10%		R1, 2	25,000 ohms 1W carbon	
C2, 7	30pF air trimmer	CZ.113.700	R3, 12, 19	50,000 ohms ½W carbon	
C3, 13	0.1mF 200V paper		R4	1 megohm ½W carbon	
C4, 5	2 gang tuning 122	CZ.107.743	R5	30,000 ohms 1W carbon	
C4, 5	2 gang tuning 122A	CZ.107.733	R6	100 ohms 1W W/W	
C6, 20	0.01mF 600V paper		R7	35 ohms 1W W/W	
C8	450pF mica 122		R8	1,000 ohms 5W W/W	
C8	500pF mica 122A		R9, 10, 17	2 megohms ½W carbon	
C9	100pF mica		R11	250,000 ohms ½W carbon	
C10, 12	24mF 350V electrolytic		R13	100,000 ohms ½W carbon	
C11, 19	500pF mica		R14	0.5 megohm switch	
C14	33pF mica 10%			potentiometer	CZ.032.005
C15, 16	100pF ceramic	CZ.096.602	R15	15,000 ohms 1W carbon	
C17	0.05mF 200V paper		R16	100,000 ohms 1W carbon	
C18	0.05mF 400V paper		R18	0.5 megohm ½W carbon 10%	
C21	0.02mF 600V paper		R20	50 ohms ½W carbon	
C22	250pF mica		R21	25 ohms ½W carbon	
C23	20pF mica 10%				
			L1	Aerial coil 122 (red spot)	CZ.323.000
			L2		
			L1	Aerial coil 122A (blue spot)	CZ.323.001
			L2		
			L3	Oscillator coil (red spot)	CZ.330.600
			L4		
			L5	1st I.F. Transformer	CZ.320.421
			L6		
			L7	2nd I.F. Transformer	CZ.320.420
			L8		
			L9	Speaker Transformer	CZ.345.004
			L10		
			L11	Speaker	CZ.161.112
			L12		
			L13	Power Transformer	CZ.344.036
			L14		
			L15		

IMPORTANT! In ordering spare parts, quote CODE NUMBER of part and MODEL NUMBER of Radioplayer. In claiming free replacement under GUARANTEE, return defective part PROMPTLY and quote MODEL and SERIAL NUMBER of Radioplayer and DATE OF PURCHASE.

MISCELLANEOUS COMPONENTS

No. on Dial			
Parts	Diagram	Description	Code No.
—		Assembly, cabinet back	CR.572.023
—		Assembly, cursor	CR.480.633
—		Assembly, dial back plate	CR.022.202
1		Assembly, dial drum, 122	CR.382.201
1		Assembly, dial drum, 122A	CR.382.202
—		Assembly, lampholder	CZ.367.900
—		Assembly, speaker plate	CR.005.005
—		Badge Philips	CR.531.406
—		Band, rubber (dial scale)	CS.433.407
—		Bracket, cabinet back mtg.	CS.244.603
—		Cabinet, walnut	CS.460.489
—		Cabinet, mahogany	CS.460.493
—		Cabinet, ivory	CS.460.497
—		Cabinet, green	CS.460.498
—		Cabinet, blue	CS.460.499
—		Clamp, dial	CS.228.561
—		Clip, coil can mounting	CS.235.831
—		Cloth, speaker baffle	CE.081.14

No. on Dial			
Parts	Diagram	Description	Code No.
5		Cord, dial drive	CS.361.824
4		Cord, drum drive	CS.361.823
—		Knob, brown	CS.432.615
—		Knob, walnut	CS.432.620
—		Knob, mahogany	CS.432.621
—		Knob, green	CS.432.622
—		Knob, blue	CS.432.619
6		Pulley, wooden	CS.360.201
—		Ring, "C"	CS.281.802
3		Ring, dial cord	CS.281.807
—		Scale, dial 122	CS.412.293
—		Scale, dial 122A	CS.412.303
—		Socket, noval wafer	CZ.369.702
—		Socket, octal moulded	CZ.369.515
7		Spindle, tuning	CS.351.315
2		Spring, dial drum	CS.210.020
—		Washer, felt (knobs)	CS.424.049

