

SERVICE DATA  
MODIFICATION SHEET

112, 112A  
112B, 112C  
112D, 112E

# PHILIPS RADIOPLAYER

## MODELS 112, 112A, 112B, 112C, 112D, 112E

NOTE: Various executions have been occasioned by changes made in tuning condenser or power output valve type.

Dial glasses quoted on this sheet incorporate Australian broadcast station frequency re-allocations as were made on 1st September, 1948.

For information, other than that published on this sheet, refer to the Service Data Sheet for Models 112, 112A.

CORRIGENDA: On the 112, 112A sheet, code numbers for C3-4 should read:—  
112 — CZ 107 709      112A — CZ 107 733

### VALVE EQUIPMENT AND VOLTAGE ANALYSIS

**Models 112, 112A, 112B**—Refer to 112, 112A sheet.

**Models 112C, 112D, 112E**—As under.

Valve Function	Valve No.	Valve Type	Plate Volts	Screen Volts	Osc. Plate Volts	Cathode Volts	Bias Volts
Frequency Converter	V1	ECH35	140	70	100	0.6	—
I.F. Amplifier, Demodulator and A.V.C.	V2	EBF35	140	100	—	0	—
Power Amplifier	V3	EL33A	175	140	—	0	-3.6
Rectifier	V4	6X5GT	188V	A.C. per plate			
Dial Lamp	V11	6.3V	0.32A tubular screw				
		V4 cathode	— L.10 C.T. 200V				

NOTE: The voltages are measured between the socket points quoted and chassis using an "1,000 ohms per volt" meter.  
Voltages may vary + 10% from the quoted figures. The receiver should be in a "no signal" condition.

### CIRCUIT DIAGRAM AND ELECTRICAL PARTS LISTS

MODELS 112, 112A, 112B — identical with 112, 112A except:—

L1, 2, 3, 4 (112B) CZ.320.011

C8 (112B) 380 pF C3-4 (112B) CZ.107.734.

MODELS 112C, 112D, 112E — published overleaf.

### DIAL GLASSES AND TUNING CONDENSERS

Model	Tuning Condenser	Dial Glass	
		Cream for walnut, mahogany, green & blue cabinets	Buff for ivory cabinet
112	CZ.107.709		
112A	CZ.107.733	CS.412.256	CS.412.257
112B	CZ.107.734	CS.412.269	CS.412.268

#### CABINETS.

Walnut .....	CS.460.468
Mahogany .....	CS.460.465

Ivory .....	CS.460.477
Green .....	CS.460.478
Blue .....	CS.460.476

#### KNOBS.

Colour	Cabinet	Code No.	Colour	Cabinet	Code No.
Walnut	Walnut	CR.523.637	Green		CR.523.655
Mahogany	Mahogany	CR.523.645	Blue		CR.523.660
Brown	Ivory	CR.523.654			

#### GANG EXTENSION SLEEVE.

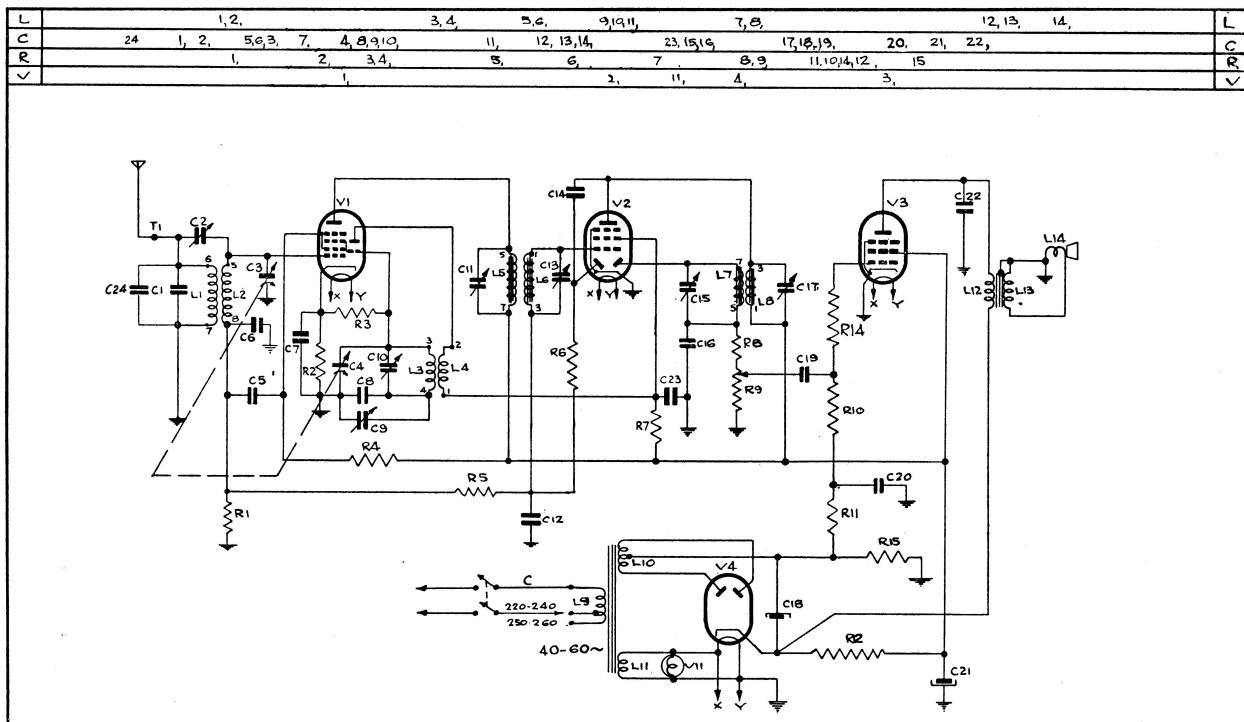
Model 112C uses gang extension sleeve CS.213.224.

#### LAMPHOLDER.

This component has been modified. The new item is CZ.367.913.

**112, 112A  
112B, 112C  
112D, 112E**

**SERVICE DATA**



**PARTS LISTS MODELS 112C, 112D, 112E**

**CAPACITORS**

No.	Description
C1-16	100 pF ceramic CZ.096.602
C2	30 pF glass trimmer CZ.117.600
C3-4	2 gang tuning 112C CZ.107.733 112D CZ.107.709 112E CZ.107.734
C5-22-23	0.01 mF 600V paper
C6	0.05 mF 200V paper
C7-12-20	0.1 mF 200V paper
C8	460 mF mica 112C
C8	380 pF mica 112D & E
C9-11-13- 15-17	125 pF ceramic trimmer CZ.118.200
C10	30 pF air trimmer CZ.113.700
C14	33 pF ceramic CZ.096.605
C18	24 mF 350V electrolytic
C19	0.002 mF 600V paper
C21	8 mF 350V electrolytic
C24	47 pF ceramic CZ.096.604

**RESISTORS**

No.	Description	No.	Ohms	Description	Code No.
R1-5-11	250,000 ohms 1/2W carbon	L1	21	Aerial & Oscillator Coil 112C CZ.320.014 112D & E CZ.320.011	
R2	50 ohms, 1/2W carbon may be 100 ohms in some chasses	L2	4		
R3	25,000 ohms 1/2W carbon	L3	5		
R4	25,000 ohms 1W carbon	L4	2.5		
R6	2 megohms 1W carbon	L5	4.8	1st I.F. transformer CZ.320.412	
R7	5,000 ohms 1W carbon	L6	4.8		
R8-14	50,000 ohms 1/2W carbon	L7	4.6	2nd I.F. transformer CZ.320.416	
R9	0.5 megohm switch potentiometer CZ.032.000	L8	4.6		
R10	1 megohm 1/2W carbon	L9	100	Power transformer CZ.344.018	
R12	2,500 ohms 5W W/W CZ.011.301	L10	190		
R15	100 ohms 1W carbon	L11	<0.5		
		L12	75	Speaker and transformer 10,000 ohms CZ.161.106	
		L13	<0.5		
		L14	3		

