

SERVICE DATA
MODIFICATION SHEET

113, 113A,
113B, 113C

PHILIPS RADIOPLAYER

MODELS 113, 113A, 113B, 113C,

MODEL 113

The following changes have been incorporated in some chassis:—

R15 0.5 megohms 1W carbon

C31 0.01 mF 600V paper

R24 as per Models 113B, 113C, circuit diagram overleaf.

Lampholder assembly (metal)
CZ.367.914.

MODEL 113A

This version was not manufactured.

MODELS 113B, 113C

Model 113B uses type EL33A output valve in place of type 6V6GT. This gives rise to changes in the circuit diagram, and electrical parts lists. The circuit diagram is published

overleaf and parts lists changes below. The changes for Model 113 quoted above also apply to Model 113B.

Changes in the electrical parts lists from Model 113 to Model 113B are:—

C7 0.001mF mica.

C27 0.1mF 400V paper

C31 0.1mF 200V paper

C32 0.01mF 600V paper

C33 0.003mF 600V paper

R7 5000 ohms $\frac{1}{2}$ W carbon

R12 75 ohms 1W W/W

R24 25 ohms $\frac{1}{2}$ W W/W

Model 113C is identical with Model 113B, except for a change in tuning capacitor and dial glass.

C5-6 2 gang tuning capacitor 113C
CZ.107.720

Dial glass 113C CS.412.285

VALVE EQUIPMENT AND VOLTAGE ANALYSIS MODELS 113B, 113C

Valve Function	Valve No.	Valve Type	Plate Volts	Screen Volts	Osc. P. Volts	Bias Volts	Bias Resistor
Frequency Converter	V1	ECH35	235	70	100	-1.25	R13
I.F. Amplifier	V2	6SK7GT	235	75	—	-1.25	R13
Demodulator, A.V.C. and 1st Audio	V3	6SQ7GT	95	—	—	0	
Power Amplifier	V4	EL33A	220	235	—	-5.4	R12, R13
Rectifier	V5	5Y3GT	Unfiltered B+ to L12 C.T. — 256V.				
Dial Lamps	V11, 12	6.3V 0.32A tubular screw.					

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 from the socket points indicated to chassis, or across the resistors listed. The receiver should be in a "no signal" condition.

113, 113A, 113B, 113C

