

MODIFICATION SHEET

PHILIPS RADIOPLAYER

MODELS 117A, 117B

NOTE: This sheet should be read in conjunction with the Service Data sheet for Model 117.

ERRATA: In the Voltage Analysis table in the Model 117 sheet, the plate voltage of V3 should read 67, not 84.

MODEL 117A.

This receiver is identical with Model 117, except for the change of valve type 1Q5GT in place of type 3S4. There are also minor changes in the circuit diagram (deletion of R18, C33, and C37). Circuit diagram is published overleaf.

Parts lists changes are:—

C26	565pF mica	R17	350 ohms $\frac{1}{2}$ W W/W
C33	deleted	R18	deleted
C37	deleted	R20	2 megohms 1W carbon
R13	250,000 ohms 1W carbon		

VALVE EQUIPMENT AND VOLTAGE ANALYSIS

Valve Function	Valve No.	Valve Type	Plate Volts	Screen Volts	Bias Volts
Frequency Converter	V1	1R5	41	41	0
1st I.F. Amplifier	V2	1T4	47	47	0
2nd I.F. Amplifier	V3	1T4	67	47	0
Demodulator, A.V.C. and 1st Audio	V4	1S5	22	6	0
Power Amplifier	V5	1Q5GT	82	84	-5.9

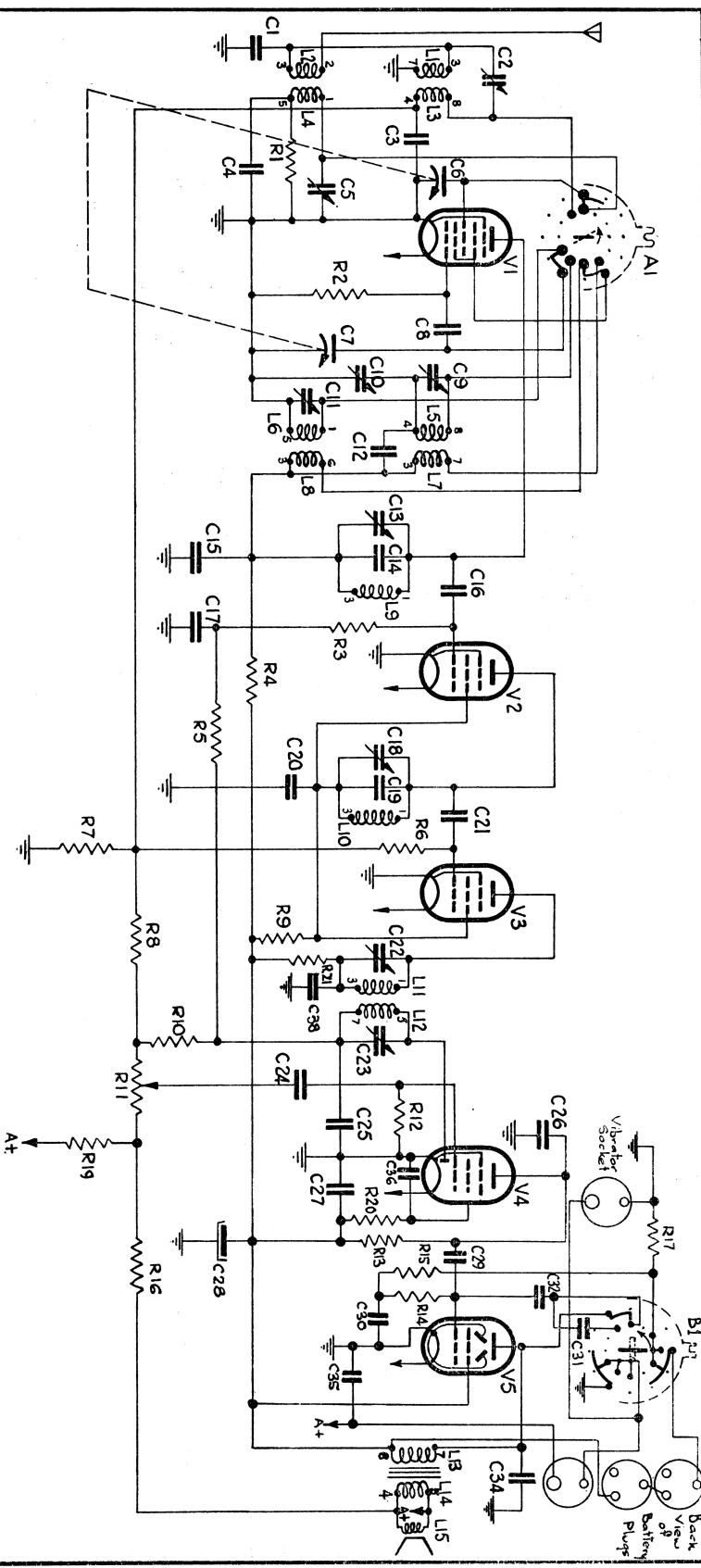
NOTE: These voltages are measured with an "1,000 ohms per volt" meter and may vary $\pm 10\%$ from the figures quoted. They are measured from the socket points quoted to chassis; V5 bias is measured across back bias resistor R17. The receiver should be in a "no signal" condition.

MODEL 117B

Model 117B is identical with Model 117A, except for change of tuning capacitor and dial glass.

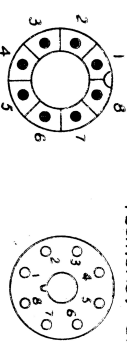
C6-7	2 gang tuning	CZ.107.720	Dial glass	CS.412.294
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L	1,2,3,4,	5,6,7,8,	9,	10,	11, 12,	13, 14, 15 L
C	1, 2,	3, 4,5,6,	8,7, 9,10,11,	12,	13, 14,15, 16, 17,	18, 19,20, 21,
R	1,	2,	3,	4,	5,	6,7,
V	1,	2,	3,	4,	5,	6,

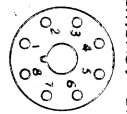


SWITCH A1 SHOWN IN "SHORT-WAVE" POSITION.
POSITIONS :- SHORT-WAVE ; BROADCAST.

SWITCHES B1 SHOWN IN "ON, DEEP TONE" POSITION.
POSITIONS :- OFF ; ON ; MEDIUM TONE ; DEEP TONE.



COIL BASE NUMBERING
(LUG VIEW)



SPEAKER PLUG NUMBERING
(PIN VIEW)

MODELS 117A, 117B