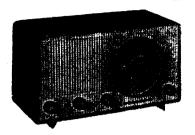
PHILIPS RADIOPLAYER

MODEL 172

SPECIFICATIONS

(Subject to alteration without notice) Power Supply 200-250, 40-50 c/s Tuning Range 530-1620 Kc/s Tuning Type Permeability Intermediate Frequency 455 Kc/s Cabinet Plastic mantel



VALVE EQUIPMENT AND VOLTAGE ANALYSIS

Valve Function	Valve No.	Valve Type	Plate Volts	Osc. Plate Volts	Cath. Voits			
Frequency Converter	VI	6AN7	225	43	98			
I.F. Amplfier	V2	68H5	225	43	_	_		
Audio Amplifier, A.V.C. and Demodulator	V3	6BD7	72	_	_			
Power Amplifier	V4	6M5	219	225	_ [6.75		
Rectifier	V5	6V4	227/227	_	_	_		
Dial Lamp	VII 6.3V 0.32A tubular screw							
Unfiltered: B+ 237 Across R18, 1.9V. Filtered: B+ 225 Filaments 6.4V.								

NOTE: These voltages are measured with an "1,000 ohms per volt" meter and may vary ± 10% from the figures quoted. They are measured from the socket points indicated to chassis, or across the resistor listed. The receiver should be in a "no signal" condition.

TO REMOVE CHASSIS FROM CABINET

Remove four control knobs (a firm pull is all that is necessary). Remove cabinet back (4 screws), unsolder plate aerial lead from clip and unscrew the dial window securing clamp from inside cabinet. Release dial lamp-holder assembly from its mounting post. The dial window may now be removed. Withdraw top section of window from cabinet first until the angle allows release remove cursor from tuner spindle. Release of the two chassis mounting screws (chassis front to cabinet near tuning spindle and volume control respectively) allows removal of chassis.

Note: When removing chassis from cabinet, care should be exercised with regard to the speaker voice coil leads. Speaker lead length is sufficient if service work to be undertaken permits chassis to be in close proximity to cabinet, otherwise voice coil leads should be unsoldered at lug strip. The chassis may be replaced by a reversal of the above procedure.

MAINS VOLTAGE ADJUSTMENT

The power transformer is provided with two primary winding tappings—200/230 volts and 240/250 volts-for adjustment of the receiver to the supply voltage at the point of installation. The receiver is adjusted at the factory to the 240/250 volts tapping.

DIAL CALIBRATION ADJUSTMENT

If dial calibrations are incorrect over the dial scale by an equal amount, the error can be corrected by moving the cursor on the tuning spindle.

POSITIONING OF CONTROL KNOBS ON SPINDLES

Correct position of knob in respect to flat on spindle is indicated by two pips on the bush of the knob. The section between the two identification marks should line up with the flat section on the spindle.

ALIGNMENT

By making use of short length tools, alignment can be undertaken with the chassis in the cabinet.

Set volume control at maximum, tone control to high position and tuner inductance to minimum (anti-

Peak the I.F. transformers in the following order.

Second I.F.T. secondary—front screw Second I.F.T. primary—rear screw First I.F.T. secondary—screw nearer 6BH5

First I.F.T. primary—screw nearer 6AN7

R.F. Alignment

With tuner closed (clockwise) adjust pointer to stop mark (small triangle located extreme outside of scale slightly to right of letter "W" of state designation, N.S.W.).

Connect generator through standard I.R.E. dummy to aerial and earth leads and set trimmers to approximately

he centre of their adjustment range.

With generator set at 530 Kc/s, peak oscillator trimmer (near tuner). Adjust dial pointer and generator to 1,500 Kc/s (3AK) and peak serial trimmer (near

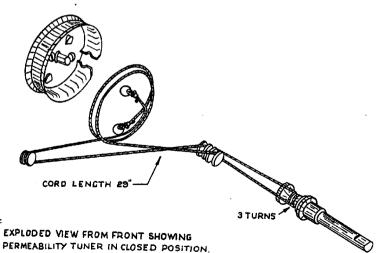
Repeat checks at 530 Kc/s and 1,500 Kc/s.

PARTS LIST

	Code 76.	ner CZ		A3.126.84		A3.126.84		orner s Type (EBG96) E2-DET CZ.345,035			Type 5C, F51		CZ.344.084		spare f part ar. In under part r and				
COILS	Description				ist i.F. transformer	2nd I.F. transformer		Output transformer 7,000 ohns Type (EB			Speaker		Power transformer			IMPORTANT! When ordering spare parts, quote CODE NUMBER of part and MODEL NUMBER of Receiver. In claiming free replacement under GUARANTEE, return defective part PROMPTLY and quote MODEL and SERIAL NUMBER of Receiver and DATE OF PURCHASE.			
	No.	(91-51 17	1.2 5.8-6.2	(0.6-9.0)	L4 4.7-5.2 [{]	5 8.0-9.0	6 4.7-5.2	•	8		•		LII 630-850 {	L12 <1)	THATOGAM	parts, quote	and MODEL claiming f	GUARANTE	SERIAL NUMBER of DATE OF PURCHASE.
_					<u> </u>		- Fe		17		2	-							
v	Code No.	' carbon	carbon	carbon	carbon 10%	carbon 10%	carbon	carbon	on /Ith CZ.032.027		is de		CZ.029.096	arbon	arbon	901 noq	carbon	% 10%	ili tolerances
RESISTORS	Description	47,000 ohms 1W carbon	0.1 megohm 1W carbon	22,000 ohms ‡W carbon	27,000 ohms 1W carbon 10%	68,000 ohms 1W carbon 10%	3.3 megohms 1W carbon	2.2 megohms 4W carbon	0.5 megohm carbon potentiomater with S.P.S.T. switch	10 menohm 4W carbon	0.22 mesohm 4W carbon	0.25 member 235cm	potentiometer	1 megohm ¥W carbon	4,700 ohms 1W carbon	220 ohms 1W carbon 10%	1,000 ohms 1W carbon	47 ohms 4W W/W 10%	Unless otherwise specified, all tolerances are $\pm~20\%$.
	ġ	R1, 9	R2, 19	R3	R4	ß	R6, 8	R7	R10	[8	R12		2	R14	R15	R16	R17	R18	Unless of
	Cods No.		-	49.005.58					g										erances
CAPACITORS	Description	100pF mica	350mF mica	60pF air trimmer	0.047mF 400V paper	270pF mica 10%	0.001mF mica 10%	0.01mF 400V paper	Part of I.F. transformers	0.047mF 200V paper	220pF mica	C16, 18, 19 0.0047mF 400V paper	0.01mF 600V paper	24mF 350V electrolytic			-		Unless otherwise specified, all tolerances are ± 20%.
	ġ	5	а	C3, 7	2	S	8	8	C9, 10, 13, 14	C11, 12	C15	C16, 18, 19	C17	C20, 21					Unless oth

MISCELLANEOUS COMPONENTS

Description	Code No.	Description	Code No.		
Back assembly, cabinet black Back assembly, cabinet claret Back assembly, cabinet coral Back assembly, cabinet primrose Back assembly, cabinet starlight grey Back assembly, cabinet white Badge, Phillips Bracket, cabinet back, x3 Cabinet assembly, black Cabinet assembly, carmen red Cabinet assembly, coral Cabinet assembly, grey Cabinet assembly, white Clamp, dial window Clamp, speaker mounting, x2	CR.572.149 CR.572.150 CR.572.152 CR.572.151 CR.572.154 A3.357.10 CH.629.211 CR.570.678 CR.570.676 CR.570.676 CR.570.677 CR.570.677 CR.570.679 CS.231.256 CS.233.579	Description Cord, dial drive (29") (bulk) Cursor assy. Dial scale Drum, dial Knob assembly, burgundy, x4 Knob assembly, black, x4 Knob assembly, red, x4 Knob assembly, white, x4 Lampholder assembly Name, Philips Plate, aerial Plate assembly, pick-up socket Spindle, tuning Spring, dial drive Spring, I.F. mounting, x2 Switch, pick-up Washer, felt, x4	06.606.28 CR.480.667 CS.412.016 CS.360.015 CR.523.750 CR.523.756 CR.523.758 CZ.367.945 CS.436.446 CS.108.023 CR.122.206 CR.371.229 CS.210.061 A3.652.58 CZ.200.079		
Clip, aerial	CS.104.259	Window assembly, dial	CS.467.127 A3.410.46		



NOTE :

Philips Electrical Industries Pty. Ltd.

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