PHILIPS RADIOPLAYER

MODEL 172 SPECIFICATIONS

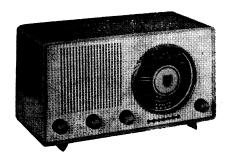
(Subject to alteration without notice)

Power Supply 200-250, 40-50 c/s

Tuning Range 530-1620 Kc/s

Tuning Type Permeability

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Intermediate Frequency 455 Kc/s
Cabinet Plastic mantel



VALVE EQUIPMENT AND VOLTAGE ANALYSIS

Valve Function	Valve No.	Valve Type	Plate Volts	Screen Volts	Osc. Plate Volts	Cath. Volts
Frequency Converter	VI	6AN7	225	43	98	
I.F. Amplfier	V2	6BH5	225	43		_
Audio Amplifier, A.V.C. and Demodulator	V3	6BD7	72			
Power Amplifier	V4	6M5	219	225	_	6.75
Rectifier	V 5	6V4	227/227			_
Dial Lamp	V11	6.3V 0.32A tubular screw				
Unfiltered: B+ 237 Across R18, 1.9V.						

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 lampholder 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 of leg at the bottom. 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.

I.F. Alignment

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

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.).

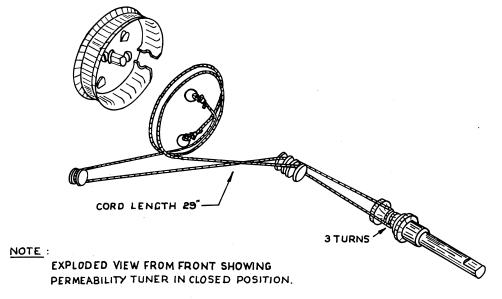
Connect generator through standard I.R.E. dummy to aerial and earth leads and set trimmers to approximately the centre of their adjustment range.

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 aerial trimmer (near 6ANT)

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

MISCELLANEOUS COMPONENTS

Description	Code No.	Description	Code No.
Back assembly, cabinet black	CR.572.149	Cord, dial drive (29") (bulk)	06.606.28
Back assembly, cabinet claret	CR.572.150	Cursor assy.	CR.480.667
Back assembly, cabinet coral	CR.572.152	Dial scale	CS.412.016
Back assembly, cabinet primrose	CR.572.153	Drum, dial	CS.360.015
Back assembly, cabinet starlight grey		Knob assembly, burgundy, x4	CR.523.750
	CR.572.151	Knob assembly, black, x4	CR.523.764
Back assembly, cabinet white	CR.572.154	Knob assembly, red, x4	CR.523.756
Badge, Philips	A3.357.10	Knob assembly, white, x4	CR.523.758
Bracket, cabinet back, x3	CH.629.211	Lampholder assembly	CZ.367.945
Cabinet assembly, black	CR.570.678	Name, Philips	CS.436.446
Cabinet assembly, carmen red	CR.570.676	Plate, aerial	CS.108.023
Cabinet assembly, coral	CR.570.675	Plate assembly, pick-up socket	CR.122.206
Cabinet assembly, grey	CR.570.674	Spindle, tuning	CR.371.229
Cabinet assembly, primrose	CR.570.677	Spring, dial drive	CS.210.061
Cabinet assembly, white	CR.570.679	Spring, 1.F. mounting, x2	A3.652.58
Clamp, dial window	CS.231.256	Switch, pick-up	CZ.200.079
Clamp, speaker mounting, x2	CS.233.579	Washer, felt, x4	CS.467.127
Clip, aerial	CS.104.259	Window assembly, dial	A3.410.46



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