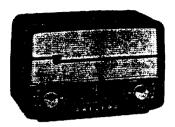
PHILIPS RADIOPLAYER

MODEL 167 **SPECIFICATIONS**

(Subject to	alterati	on wit	thout notice)
Power Supply		******	200-250V, 40-50 c/s.
Tuning Range			530-1620 kc/s.
Intermediate Frequency		*****	455 kc/s.
Cabinet			Bakelite mantel



VALVE EQUIPMENT AND VOLTAGE ANALYSIS

Valve Function	Valve No.	Valve Type	Plate Volts	Screen Volts	Osc. P. Volts	Bias Volt	
Frequency Converter	VI	6AN7	223	40	40		
I.F. Amplifier	V2	6BH5	223	40		_	
Audio Amplifier, A.V.C. and Demodulator	V3	68D7	55	_	_	_	
Power Amplifier	V4	6M5	221	223	_	6.5	
Rectifier	V5	6V4	Cathode — L13 C.T., 239V.				
Dial Lamp	V11	6.3V, 0.32A tubular screw					

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 "no signal" condition.

TO REMOVE CHASSIS FROM CABINET.

Remove the power plug from the wall outlet socket. Nemove the power plug from the wail outlet socket. Pull the control knobs from their spindles. Remove the combined back and bottom cover. Unsolder the speaker voice coil connections from the lug strip alongside the output transformer. Unwind the dial cursor from the dial drive cord.

The chassis is held to the cabinet by two screws at the rear. Removal of these two screws and the associated mounting brackets and packing pieces allows the chassis to be withdrawn from the cabinet leaving the speaker and dial scale in the cabinet.

The chassis may be replaced by a reversal of the above procedure.

DIAL SCALE REMOVAL.

The dial scale is removed from the front of the cabinet. The control knobs must first be withdrawn. In removing the dial scale securing screws, care must be taken to ensure that damage is not caused to the scale by tools.

ALIGNMENT.

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

I.F. transformer adjustments are:-

2nd 1.F.T.-Secondary --- front screw Primary - rear screw

1st 1.F.T.---

Secondary — screw nearer 6N8 Primary — screw nearer 6AN7

Before commencing R.F. alignment, fully close the tuning capacitor and set the dial cursor to the stop mark which will be found at the bottom of the dial scale at the low frequency end. Use an 100 pF capacitor as dummy aerial for R.F. alignment. Trimming adjustments are: oscillator trimmer (1,420 kc/s, 3XY) front of tuning capacitor, aerial trimmer (1,420 kc/s) rear of tuning capacitor, padding (600 kc/s, 7ZL) iron core in oscillator coil.

In the event of replacement of the oscillator coil, it is advisable to make a preliminary peaking of the iron core at 600 kc/s before commencing alignment.

No attempt should be made to adjust the aerial coil iron core

MAINS VOLTAGE ADJUSTMENT.

The power transformer is provided with two primary winding tappings-200/230 volts and 240/250 voltsfor 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 sliding the cursor on the dial cord to the correct position.

Published by Philips Electrical Industries Pty. Ltd.

Sydney — Melbourne — Brisbane — Adelaide — Perth — Hobart

NOVEMBER, 1957

Harman & Jacka Ltd. Print

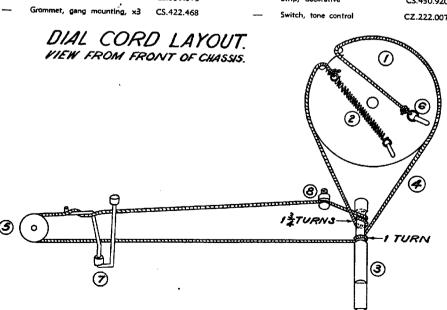
PARTS LISTS

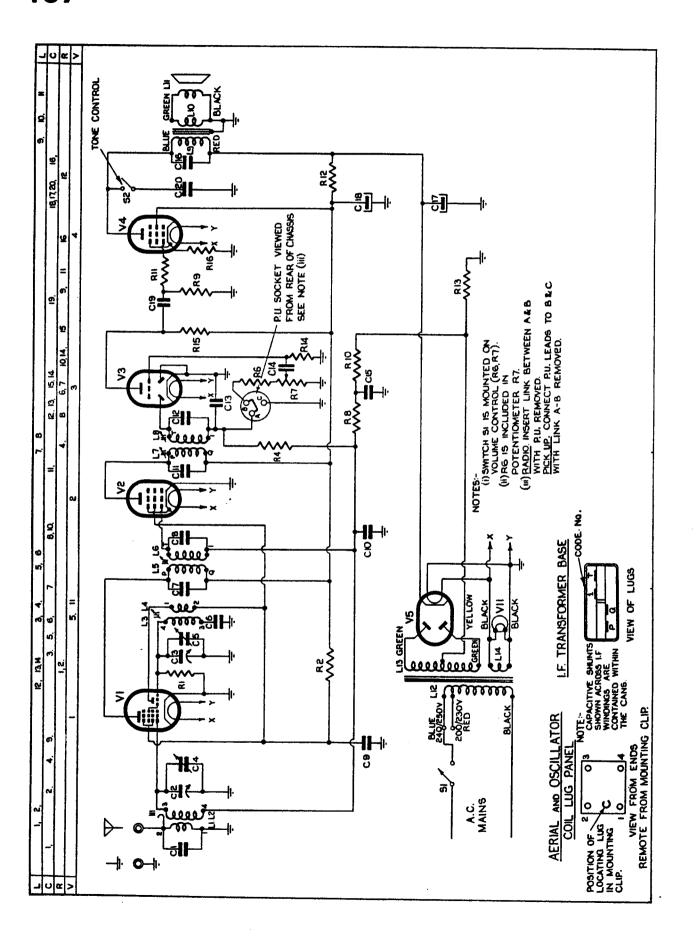
	CAPACITORS		·	RESISTORS				COILS	
ġ	Description	Code No.	ġ	Description	Code No.	ž	Ohms	Description	Code No.
ū	100 pF mica	- 	2	22,000 ohms ‡W carbon	carbon	= Z	24.0-32.5	} Aerial coil	CZ.323.019
C2, 3, 4, 5	2 gang tuning with trimmers	CZ.107.756	R2 R4 10	47,000 ohms 1W carbon	arbon	2 4	3.5-5.0	Scillator coil	CZ.330.606
ర	330 pF mica 2%	CZ.066.124	R6, 7	0.5 megohm carbon	_	2 2	8.0-9.0	} 1st I.F. transformer	A3.126.84
C7, 8, 11, 12	Part of I.F. transformers	THEIS		potentiometer with stop at 0.1 megohm and S.P.S.T. switch CZ.0.	th stop and CZ.032.019	L7 L8	8.0-9.0	2nd I.F. transformer	A3.126.84
రి	0.047 µF 400V paper	-	88	2.2 megohms ½W carbon	carbon	5 2		Output transformer 7,000 ohms	Type EBG96
C10, 15	0.047 AF 200V paper		R9	i megohm ½W carbon	- Loc	5		Speaker	Type 5C, F87
CI3	220 pF mica		<u>.</u>	47,000 ohms ½W carbon	arbon	L12	55-75		70777
<u>0</u>	0.022 AF 400V paper	h.	R12	1,000 ohms IW carbon	နေ	1 4	050-050 <1	Fower transformer	C.Z.344.U84
CI6	0.01 AF 600V paper		RI3	47 ohms 4W W/W 10%	. 10%				
C17, 18	24 µF 350V electrolytic	J.	R 4	10 megahms 1W carbon	noque	= 7	MPORTAN	IMPORTANT! In ordering spare parts,	re parts,
C19	0.0047 #F 600V paper	į.	R15	220,000 ohms ±W carbon	carbon	7≥ 70	MODEL N	AODEL NUMBER of Receiver. In	er. In under
C20	0.022 MF 600V paper	<u> </u>	R16	220 ohms 1 W/W 10%	W 10%	פי פי	UARANTE ROMPTLY	GUARANTEE, return defective	re part
Ail toler	All tolerances are 20% unless otherwise specified.	otherwise	All toler	All tolerances are 20% unless otherwise specified.	s otherwise	. w 0	ERIAL N	SERIAL NUMBER of Receiver DATE OF PURCHASE.	

Barto -KH

MISCELLANEOUS COMPONENTS

	Dial Cord			Dial Cord		
Layour	Drawing Description	Code No.	Layout	Drawing	Description	Code No.
7	Assembly, cursor	CR.480.662	_	Knob, con	trol, x2	CR.523.731
_	Assembly, lampholder	CZ.367.920		Link, pick	-up socket	C\$.365.270
	Back, cabinet, coral	CS.462.669			speaker transformer	
	Back, cabinet, grey	CS.462.671				
_	Back, cabinet, ivory	C\$.462.630		Philips nar	me	C\$.436.446
	Back, cabinet, red	CS.462.672	8	Post		CS.237.019
	Badge, Philips	CR.531.422	_	Prism, dial	l scale	23.678.74
_	Bracket, cabinet back mtg., x3	CS.244.602	5	Pulley, dia	d	CS.359.618
	Bracket, chassis retaining, x2	CS.225.229	_	Ring "C,"	tuning spindle, x2	CS.281.802
_	Bracket, speaker mounting, x3	CS.233.505	6	Ring, dial		CS.281.807
_	Cabinet, with grille, badge, dec. and Philips name—	strip		Scale, dial	cord	CS.412.393
	Coral	CR.573.513	_	Screw, dial	scale mtg., x2	CS.258.856
	Grey	CR.573.516		Socket, pic		CR.265.222
	Ivory	CR.573.515			•	
	Red	CR.573.517	3	Spindle, tu	ining	CS.351.359
_	Clip, spring, I.F.T. mtg., x2	A3.652.58	2	Spring, dia	i drum	CS.210.029
4	Cord, dial drive 37" of	cord required	_	Spring, kno	ob retaining, x2	CS.281.832
1	Drum, dial	CS.359.810	-	Strip, deco	rative	CS.430.920
_	Grommet, gang mounting, x3	CS.422.468		Switch, ton	e control	CZ.222.007
	DIAL CORL	D LAYOU ONT OF CHASSI	7. 15.	Ø	0	THE REAL PROPERTY.





Mark to Signification