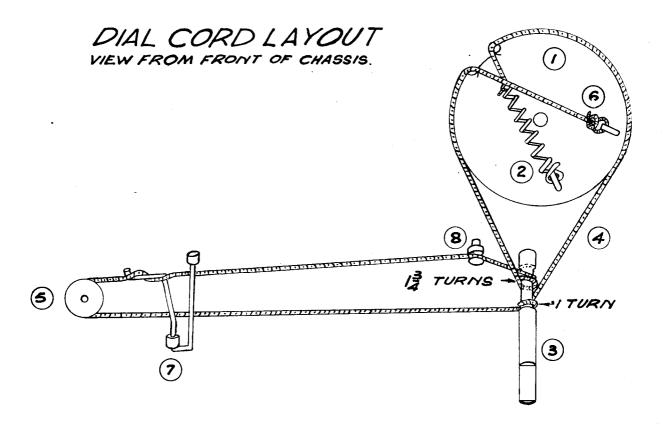
MISCELLANEOUS COMPONENTS

No. on Dial Cord			No. on Dial Cord					
Layout	Drawing Description	Code No.	Layout	Drawing Description	Code No.			
7	Assembly, cursor	CR.480.662	_	Clip, spring, I.F.T. mtg., x2	A3.652.58			
_	Assembly, lampholder	CZ.367.920	4	Cord, dial drive 37" o	of cord required			
	Back, cabinet, coral	CS.462.681	1	Drum, dial	CS.359.810			
	Back, cabinet, grey	— Knob, control, x2		Knob, control, x2	CR.523.731			
	Back, cabinet, ivory	CS.462.624		Lug strip, speaker transformer	C/F 245-2-6 CS.436.446			
	Back, Cabinet, Ivory	C3.402.024		Philips name				
	Back, cabinet, red	CS.462.679	8	Post	CS.237.019			
	Badge, Philips	CR.531.422	_	Prism, dial scale	23.678.74			
	Bracket, cabinet back mtg., x3	CS.244.602	5	Pulley, dial	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 cord	CS.281.807			
_			_	Scale, dial	CS.412.393			
	Cabinet, with grille, badge, dec. and Philips name-	strip	_	Screw, dial scale mtg., x2	CS.258.856			
	Coral	CR.573.513	3	Spindle, tuning	CS.351.359			
	Grey	CR.573.516	2	Spring, dial drum	CS.210.029			
	Ivory	CR.573.515		Spring, knob retaining, x2	C\$.281.832			
	Red	CR.573.517		Strip, decorative	CS.430.920			



PHILIPS RADIOPLAYER

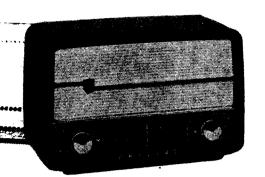
MODEL 166# SPECIFICATIONS

-7 MAY 1958

(Subject	to	alteration	withoutenedtice)
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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			
Frequency Converter	VI	6AN7	210	55	55			
I.F. Amplifier, Demodulator and A.V.C.	V2	6N8	210	55				
Power Amplifier	V3	6M5	208	210				
Rectifier	V4	6V4	V4 cathode — L13 C.T., 232V.					
Dial Lamp	VII	6.3V, 0.32A tubular screw						
Voltage across R13, -6.7V								

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 resistors listed. The receiver should be in a "no signal" condition.

TO REMOVE CHASSIS FROM CABINET.

Remove the power plug from the wall 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.

1st I.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

MAINS VOLTAGE ADJUSTMENT.

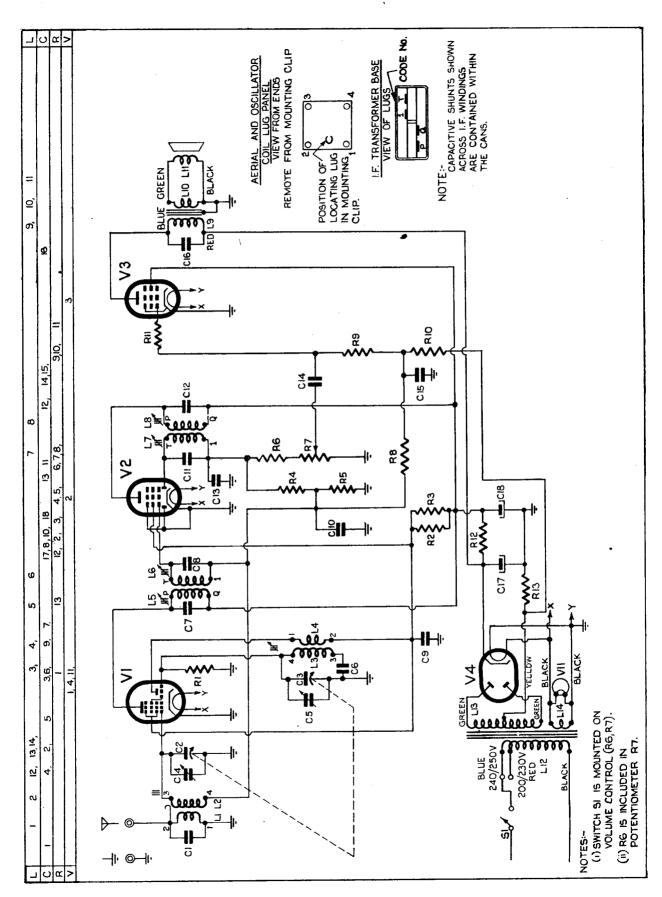
The power transformer is provided with two primary winding tappings—200/230 volts and 240/250 volts—for adjustment of the receiver to the supply voltage at the point of installation. The receiver is adjusted at the factory to the 240/250 volts tapping.

DIAL CALIBRATION ADJUSTMENT.

If dial calibrations are incorrect over the dial scale by an equal amount, the error can be corrected by sliding the cursor on the dial cord to the correct position.

Published by Philips Electrical Industries Pty. Limited

Sydney — Melbourne — Brisbane — Adelaide — Perth — Hobart



COILS	o. Ohms Description Code No.	24.0-32.5 Aerial coil CZ.323.019	1.0-2.0 Socillator coil CZ.330.606	8.0-9.0) 1st 1.F. transformer A3.126.84	8.0-9.0 } 2nd 1.F. transformer A3.126.84	Output transformer 7,000 ohms Type EBG96	l Speaker Type 5C, F87	55-75	3 630-850 \ Power transformer CZ.344.084 4 < 1 \		ts, quote CODE NUMBER of Re-	ming free replacement ur NTEE, return defective TLY and quote MODEL	SEKIAL NUMBEK of Receiver and DATE OF PURCHASE.
RESISTORS	No. Description Code No. No.	R1 22,000 ohms ½W carbon L1 L2	R2, 3 47,000 ohms 1W carbon L4	R4, 8 2.2 megohms ½W carbon L6	L7 S60,000 ohms ½W carbon 10% L8	R6, 7 0.5 megohm carbon L10	at 100,000 ohms and S.P.S.T. switch CZ.032.019		R9, 10 470,000 ohms ½W carbon L14	R11 47,000 ohms ½W carbon	R12 1,000 ohms 1W carbon	R13 160 ohms 1W W/W 10%	All tolerances are 20% unless otherwise stated.
CAPACITORS	No. Description Code No.	C1 100pF mica	C2, 3, 4, 5 2 gang tuning and cz.107.756	C6 330 pF mica 2% CZ.066.124	C7, 8, 11, 12 Part of 1.F. transformers	C9 0.047 mF 400V paper		C10, 14 0.047 mF 200V paper	C13 220 pF mica	C15 0.22 mF 100V paper	C16 0.01 mF 400V paper	C17, 18 24 mF 350V electrolytic	All tolerances are 20% unless otherwise stated.