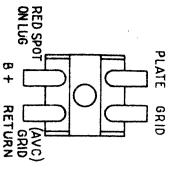
191 I.F. TRANS.



2ND. I.F. TRANS. B+ RETURN RED SPOTON LUG PLATE DIODE

TRANSFORMER CONNECTIONS

AMTENNA COIL:

Start of winding - furthest from mounting end - ANTENNA

Finish of winding - nearest to mounting end - GRID

OSCI. COIL:

Start of winding - furthest from mounting endJUNCTION OF CIRCUIT NO.No. 9 % 11

Finish of winding - nearest to mounting end - OSCI.GRID.

POWER TRANSFORMER

PART NO. T164 40 & 50 cycle mains PART No. T165 40 & 50 cycle mains

PRI. Red lead - Common PRI. Red lead - Common Green lead - 200V mains

"Green lead - 200V mains "Green lead - 200V mains

"Black lead - 230 & 240V mains "Black lead - 250V mains

"White lead - 250V mains

Electro-static shield joined internally to centre tap of HT. secondary.

HT. Secondary.

Hr. Secondary.

Start - Blue lead Centre tap - yellow lead Finish - Blue lead

Start - Blue lead
Centre tap - yellow lead
Finish - Blue lead

6.3V III. secondary:- Start, indicator lamp tap and finish in 15 B & S winding wire leads.

5V. III. secondary:- Start and finish in 21 B & S winding wire.



RADIO CORPORATION PTY. LTD.

DIVISION OF ELECTRONIC INDUSTRIES LTD. 126-130 GRANT STREET, SOUTH MELBOURNE, S.C.4

TECHNICAL BULLETIN

MODEL--- ANI

TWO UNIT GRAMO-RADIO COMBINATION

An Automatic 4 Speed Record Changer (76,45, 33-1/3, 16-2/3, r.p.m.) and an 8 valve Superheterodyne Broadcast Band Receiver.

FOR OPERATION FROM:

NOTE:

The record changer drive pulley for 40 Cycle mains operation is part No. 846/524.

POWER CONSUMPTION:

Radio Operation: - 75 Watts-approx. Gramo Operation: - 90 Watts-approx.

TUNING RANGE:

Broadcast Band 535-1640 $\mathrm{Kc/s}$. - 560-182.9 Netres .

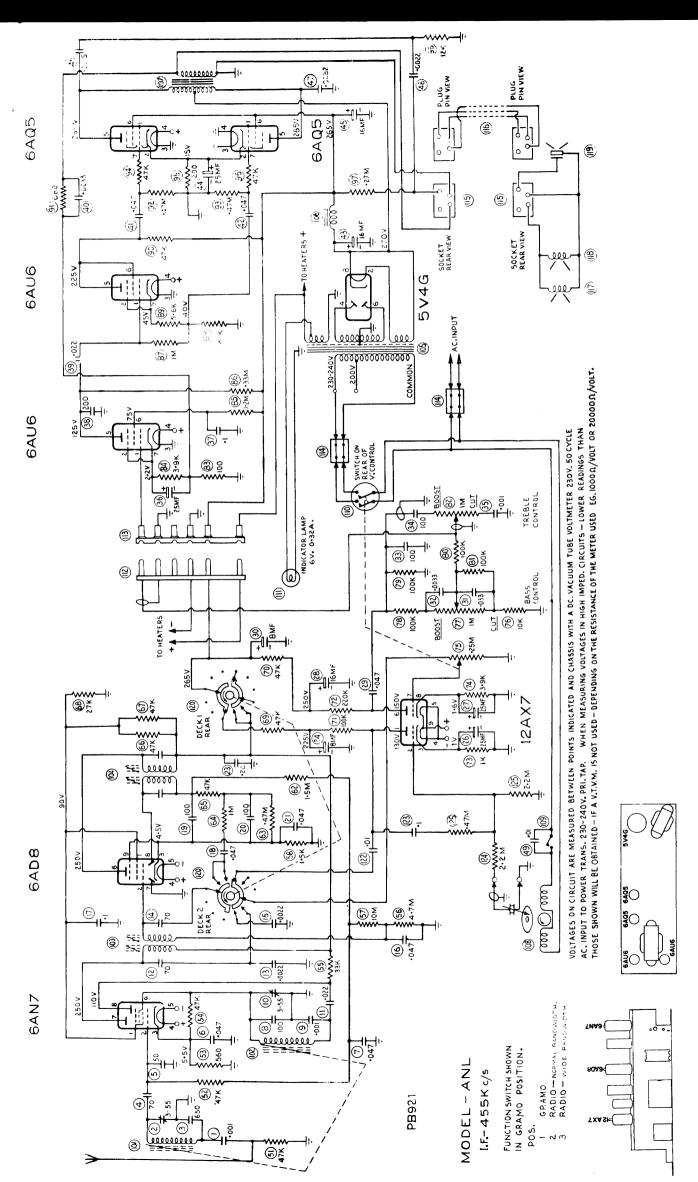
THIS BULLETIN CONTAINS:

Alignment instructions.

Circuit Diagram.

Connections for IF. and RF Transformers.

Valve Placement Diagram.



THEMPIOS

Signal Generator: Mica Capacitor Output Meter •• 0.011F (for I.F. trans alignment Output Level Vol Control

Dummy Antenna mica capacitor

Alignment Tools : Type M195 and PM581

> Load Impedance: 2.5 Ohms (output : Max. vol fully \$ 50 Milliwatts across speaker meter connected trans secondary).

Treble Control: Min.Treble position Intermediate Freq: 455 Kc/s. Bass Control : Min. Bass position

Function Switch Centre position.
"Radio" (normal bandwidth)

Input Voltage : 230 volts 50 cycle
AC. input to trans. 230-240 Volt tap.

The receiver chassis has to be removed from the cabinet to make adjustments to the I.F. transformer iron cores, or to set the pointer on the dial knob to the end of travel spot at the H.F. end of the dial.

It is not necessary to remove the receiver chassis to adjust the tuning unit trimmer condensers.

the following pages of this bulletin. Instructions for removing the cabinet base and chasses units are detailed on

<u>3</u>		•		Oper
		To signal grid of 6AN7 valve pin No.2.	grid of 6AD8 IF. valve pin No.2.	Generator Generator Connection Frequency To signal 455 Kc/s
		455 K c/s		Generator Generator Dummy Connection Frequency Antenna To signal 455 Kc/s 0.01NF
		O.OLER Mica capacitor in series with generator	Mica capacitor in series with generator	Antenna 0.01MF
Repeat operations 1 and 2	Leave grid wire attached to valve socket. Peak lst. IF. trans.pri and sec. for max. output.	Turn perm tuner so that iron cores are fully out of winding on coil formers and the unit is hard against the stop.	to centre position "Radio" normal bandwidth. Leave grid wire attached to valve socket. Feak 2nd IF. trans pri, and sec. for max output.	Instructions Turn grano - radio switch

ALIGNMENT CONDITIONS.

to the cabinet then align the oscl. and aerial trim, condensers the chassis or the template may be removed, the chassis fitted trim, condensers may be aligned while the template is fitted to of travel spot near 1700 Kc/s, the receiver oscl. and aerial After the pointer line on the dial knob has been set to the end using the calibrated transfer dial reading on the cabinet.

CLOCKWISE

NOTE 2.

Both iron cores in the perm, tuner unit are pre-set at the factory to an exact dimension of 2.275" between the extreme end anti-clockwise and is hard against the stop. of the iron core in the former when the unit is turned fully of the former protruding through the rubber grommet and the end

Both iron cores must have the same colour identification spot on adjustment of the iron cores must be made to vary this dimension. If incorrect logging and misalignment are to be avoided, no the end of the iron core,

antenna lead from the receiver it is to be disconnected or rolled into a MOTE 3. The 200 IMF Dummy antenna must be connected to the antenna junction lug on the chassis. Should an antenna be connected to the short small hank,

Oper. Generator Connection. Frequency. Antenna. Generator Dummy

Instructions.

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	on chassis	Lug.	junction	To antenna
				1000 Kc/s
with generator	in series	capacitor	mica	200 11年
of th	knob	centr	point	Turn

condenser. Repeak osol. coil trimmer condenser for max. output. then peak ant, coil trimmer coil trimmer condenser the cabinet. Peak oscl. reading on the cabinet if the receiver is fitted to the templete (or the dial he 1000 Kç/s spot on aligns with the centre re of the line on the ter knob until the perm tuner and dial

of tuning scale. Check logging at each end

Tuning range after alignment 535 to 1340 Kc/s.