| EQUIPMENT | | ALIGNMENT CONDITIONS | |
|---|---|---|---|
| Signal Generator: | | Load impedance | 7,000 Ohms. |
| Output Meter: | | Output Level: | 50 Milliwatts. |
| Mica Capacitor: | 0.01MF. (for IF. trans. alignment) | Vol. Control: | Max. Vol. Fully clockwise. |
| Dummy Antenna: | 200MMF. Mica Capacitor | Interned. Freq.: | 455 Kc/s. |
| | | Input Voltage: | 230 Volts 50 Cycle AC. input to trans. 230-240 volt pri. tap. |
| Alignment Tools: | Type M195 and PM581 | Tone Control | Treble position. |

## IF. TRANS. ALIGNMENT.

NOTE:

The front section of the cabinet with the receiver chassis attached may be removed from the cabinet as a complete unit.

It is necessary to remove this section of the cabinet with receiver attached to make adjustments to the IF. transformer iron cores. It is not required to be removed for adjustment to the tuning unit trimmer condensers.

Removal instructions for front section of cabinet are detailed on the concluding pages of this bulletin.

| Oper. No. | Generator Connection | Generator Frequency | Dummy Antenna | Instructions |
|---|---|---|---|---|
| 1. | To signal grid of 6BH5 I.F. valve pin No. 2 | 455 Kc/s. | 0.01MF Mica capacitor in series with generator | Turn gramo-radio switch to radio position. Leave grid wire attached to valve socket. Peak 2nd I.F. trans. pri. and sec. for max. output. |
| 2. | To signal grid of 6BE6 valve pin No. 7 | 455 Kc/s. | 0.01MF Mica capacitor in series with generator | Turn perm. tuner so that iron cores are fully out of winding and the unit is hard against the stop. Leave grid wire attached to valve socket. Peak 1st. I.F. trans. pri. and sec. for max, output. |
| 3. | | | | Repeat operations 1 and 2. |
| 4. | Refit front section of cabinet with receiver chassis attached to main section of cabinet. | | | |

## MAINS VOLTAGE TAP ADJUSTMENT FOR OPERATION ON 200 VOLT MAINS

The receiver chassis has to be removed from the cabinet for this adjustment. DISCONNECT THE RECEIVER MAINS LEAD PLUG FROM THE POWER POINT SOCKET AND REMOVE THE FRONT SECTION OF THE CABINET (TO WHICH THE RECEIVER CHASSIS IS ATTACHED) FROM THE MAIN SECTION OF THE CABINET AS DETAILED IN THIS BULLETIN. The mains junction strip is on top of the chassis between the power transformer and the chassis front plate. To gain access to junction strip remove the push-on type knobs, unsolder the leads attached to speaker then remove the two screws fastening the chassis to the front plate. The lead from the volume control switch which is connected to the 230-240 volt tap is to be unsoldered from the 230-240 volt tap and then re-soldered to the 200 volt tap.

## TRANSFORMER CONNECTIONS

### ANTENNA COIL

Start of winding - furthest from mounting end - ANTENNA
Finish of winding- nearest to mounting end. - GRID

### OSCL. COIL

Start of winding - furthest from mounting end - JUNCTION OF CIRCUIT NO. 2 & 6
Finish of winding- nearest to mounting end - OSCL. GRID.

## POWER TRANSFORMER (Part No. T171)

PRIMARY:

| | |
|---|---|
| Red lead | common |
| Green lead | 200 volt mains tap |
| Black lead | 230 & 240 volt mains tap. |

HT. SECONDARY:

| | |
|---|---|
| Blue | start |
| Yellow | centre tap |
| Blue | finish |

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

LT. SECONDARY

Start and finish in winding wire.

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

TECHNICAL BULLETIN

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# TABLEGRAM MODEL — BNM

An Automatic 4 Speed Record Changer (78, 45, 33-1/3, 16-2/3, r.p.m) and a 5 valve Superheterodyne Broadcast Band Receiver.

FOR OPERATION FROM:

200-240 Volt 40 or 50 Cycle AC. Mains (Power Transformer T171)
Power trans Primary Tap-red-common.
"" " " " -green-200 Volt mains.
" " " " -black-230 & 240 Volt mains.

NOTE: 1

When the receiver is to be operated from a 250 volt 40 or 50 cycle AC. supply mains the transformer primary connections are as for the 240 volt supply mains but a 180 Ohm 10 watt resistor Part No. R166 is to be mounted beneath the chassis and wired in the power trans. common lead (red.)

NOTE:2

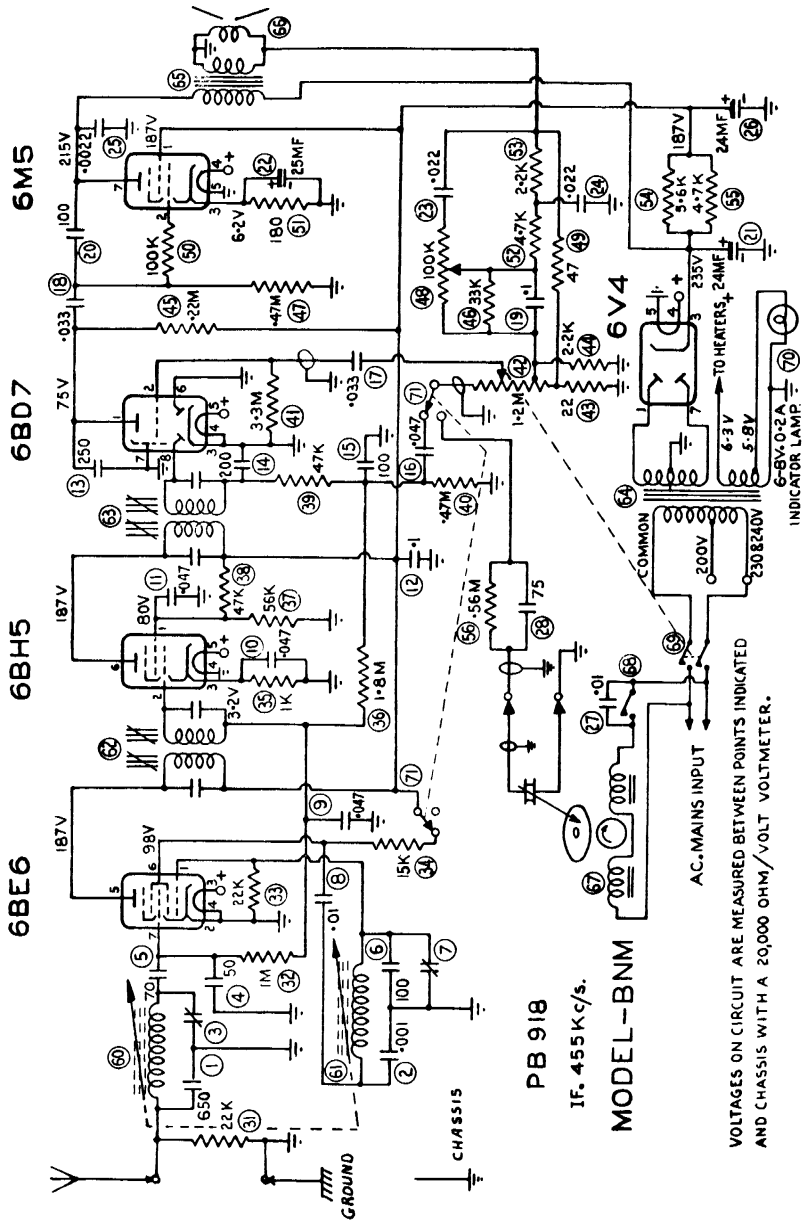
The record changer drive pulley for 40 cycle mains operation is Part No. 846/524.

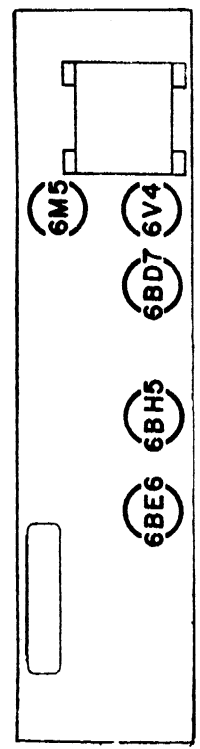
POWER CONSUMPTION:

Radio Operation:- 40 Watts-approx.
Gramo Operation:- 60 Watts-approx.

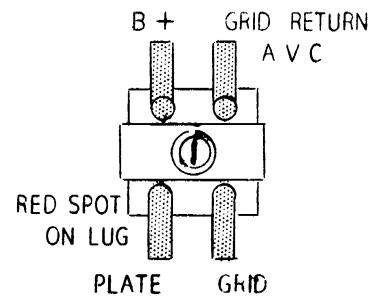
TUNING RANGE:

Broadcast Band: 535-1640 Kc/s. - 560.7-182.9 Metres.




1ST I.F. TRANS.




2ND I.F. TRANS.