RADIO CORPORATION PTY. LTD.

DIVISION OF ELECTRONIC INDUSTRIES LTD.

126-130 GRANT STREET, SOUTH MELBOURNE, S.C.4.

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TECHNICAL BULLETIN



STOR TABLEGRAM MODEL — "ANM"

An Automatic 3 Speed Record Changer (78, 45, 331 r.p.m.) and a 5 Valve Superheterodyne Broadcast Receiver.

FOR OPERATION FROM:—

200-250 Volts 50 Cycle AC. Supply Mains. Power Trans. Primary Mains Taps: 200-220V. and 221-250V.

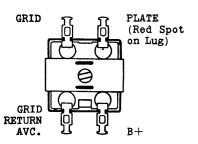
POWER CONSUMPTION:—

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

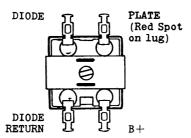
TUNING RANGE:-

535-1610 Kc/s. - 560.7-186.3 Metres.

1st IF. TRANS.



2nd IF. TRANS.



ANTENNA TRANS.

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
Nos. 6 and 9.
Finish of winding - nearest to mounting end - Oscl. grid.

INSTRUCTIONS FOR CHANGING MAINS VOLTAGE INPUT TAPS

MAINS VOLTAGE: The mains adjustment tap should be adjusted as follows: For any AC. voltage between 200V. and 220V. on the 200-220V. tap and for any AC. voltage between 221V. and 250V. on the 221-250V. tap.

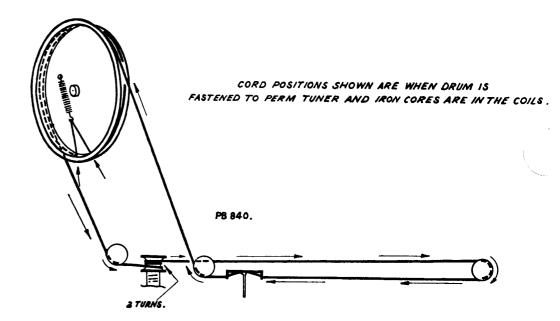
MAINS VOLTAGE ADJUSTMENT: For 200-220 volt operation:— the receiver chassis does not have to be removed from the cabinet for this adjustment. SWITCH THE RECEIVER OFF AND DISCONNECT THE RECEIVER MAINS LEAD PLUG FROM THE POWER POINT SOCKET. Remove the cabinet base board by unscrewing the four rubber mount feet screws fastening the base to the cabinet. The AC. mains tap junction strip is located at the left hand end of the chassis. The mains lead wire from the switch on the volume control which is attached to the junction strip tap marked 221-250 volt is to be unsoldered and re-soldered to the tap marked 200-220 volt. Refit cabinet base board and rubber mount feet.

CORDING OF DIAL DRIVE

Length of cord required is 6 ft. 3 ins., which includes about 8 ins. to spare for tying to tension spring.

Cord Part No. 34/754.

Tension Spring Part No. 508/30C.



6.

7.

ALIGNMENT PROCEDURE

EQUIPMENT

ALIGNMENT CONDITIONS

Signal Generator:

Output Meter:

Mica Capacitor: 0.01MF. (for IF. trans. alignment) Dummy Antenna:

200MMF. Mica Capacitor

Load Impedance: 7.000 ohms. Output Level:

50 Milliwatts. Max. Vol. fully Clockwise.

Intermed. Freq.: 455 Kc/s. Input Voltage:

230 Volts 50 Cycle AC. input to trans.

221-250 volt pri. tap.

Alignment Tools: Type 48/712 and PM581

Tone Control:

Vol. Control:

Treble position.

trans. trim. cond. for max. output. Repeak oscl. coil. trim.

Repeat operations No. 4 and 5.

Check logging at each end of

cond.

the dial.

Note:-The receiver chassis does not have to be removed from the cabinet to align the IF. or RF. signal stages. Only the base of the cabinet is required to be removed.

| Ope No. | | Generator Connection | Generator Frequency | Dummy Antenna | Instructions |
|------------|--|--|------------------------|--|--|
| 1. | 6B | signal grid of H5 I.F. valve n No. 2 | 455 Kc/s. | 0.01 MF 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. | of | signal grid 6BE6 valve n No. 7 | 455 Kc/s. | 0.01 MF Mica capacitor in series with generator | Turn perm tuner so that iron cores are fully out of windings. Leave grid wire attached to valve socket Peak 1st I.F. trans. pri. and sec. for max. output. |
| 3. | | | | | Repeat operations No. 1 and 2. |
| 4. | Turn perm tuner so that iron cores are fully out of coil windings and hard against the stop. Set centre of dial pointer to align with centre of end of travel spot on dial reading near 1700 Kc/s. | | | | |
| 5. | | antenna lead om receiver | 1000 Kc/s. | 200 MMF Mica capacitor in series with generator | Turn perm tuner and dial pointer until centre of dial pointer aligns with centre of spot on dial reading at 1000 Kc/s. Peak oscl. coil trim. cond. then peak antenna |

NOTE:-Both iron cores are pre-set at the factory to an exact dimension of 2.275" between the extreme end of the former protruding through the rubber grommet and the end of the iron core in the former, when the unit is turned fully clockwise and is hard against the stop. If incorrect logging and mis-alignment are to be avoided, no adjustment of the iron cores must be made to vary this dimension. Both iron cores must have the same colour identification spot on the end of the iron core.



