POWER SUPPLY:

Turntable motor battery – 6 volt type 509 lantern battery.
Receiver battery – 9 volt type 765 battery.

LOUDSPEAKER:

5 inch permanent magnet type Rola 5F, with 300 ohms C.T. to 3.5 ohms transformer.

CIRCUIT VOLTAGES & CURRENTS:

Motor 45 – 70 MA, depending on the type of record being played.
Receiver – Refer to Circuit Diagram.

MEASUREMENT SPECIFICATION:

I.F. Sensitivity X1 base 5 – 10 microvolts.
I.F. Sensitivity X2 base 30 – 50 microvolts.
I.F. Sensitivity X3 base 600 – 1000 microvolts.

Broadcast sensitivity at short aerial teminal 1 – 2 microvolts.

These figures are related to the input necessary to drive the audio amplifier to maximum output without clipping at maximum volume control setting with maximum treble cut.

When measuring sensitivity, no wiring should be disconnected and a 0.1 uF capacitor should be in series with the "HOT" signal generator lead.

ALIGNMENT FREQUENCIES:

Broadcast, 600 kc/s and 1400 kc/s.

CHECK POINTS:

Broadcast, 1000 kc/s.

ALIGNMENT INSTRUCTIONS:

When aligning the I.F. channel and setting the oscillator frequency limits, a 0.1 uF capacitor should be in series with the "HOT" lead from the signal generator to the base of the converter transistor X1.

The signal generator should be connected to the short aerial connection when aligning the aerial circuit.

GOVERNOR ADJUSTMENT:

The correct turntable speed is dependent on the governed motor speed which is dependent on the correct governor adjustment. This adjustment has been made at the factory and should not require further attention over the useful life of the motor. However, should an adjustment be necessary, proceed as follows:–

Through the slot provided in the governor protection cover it will be seen that two screws in close proximity pass the slot as the motor is rotated in the direction relating to forward turntable movement.

The second screw to come into view provides the governor adjustment.

To increase the turntable speed rotate the screw in a clockwise direction and vice-versa to decrease the turntable speed. It will be found that only a slight adjustment of the governor is necessary to effect an appreciable alteration in the turntable speed.

BATTERY REPLACEMENT:

1. Remove the base of the cabinet
2. Unplug and lift out the 9 volt battery.
3. Slide the 6 volt battery out.
4. Insert the new 6 volt battery.
5. Insert the new 9 volt battery and connect the plug.
6. Replace the base cover.