TUNING RANGE:

 $530 - 1620 \, \text{Kc/s}$

INTERMEDIATE FREQUENCY:

455 Kc/s

VALVE COMPLIMENT:

V1 12AH8 Frequency Converter

V2 6N8 I.F. Amplifier Detector and A.G.C.

V3 12AX7 Audio Amplifier for each channel

V4 ELL80 Twin Output Pentode for right and left hand channels.

V5 6V4 H.T. rectifier

POWER SUPPLY:

230 - 280 volts, 50 cycles A.C.

205 M.A. at 240V on Radio

275 M.A. at 240V with Radio and Record Changer.

LOUDSPEAKER:

Two 7" x 5" permanent magnet speakers webs. ohm voice coils.

CIRCUIT VOLTAGES:

Refer to circuit diagram.

These voltages may vary within 10% of the stated values.

Measuring meter should be at least 20,000 ohms per volt.

SENSITIVITY:

With the balanced control in the centre or balanced position.

1.F. sensitivity - V1 - 35 microvolts

Broadcast sensitivity - 5 microvolts

The above input signals are required to produce 22 volts across the primary of the output transformer when connected in series with a 0.1 mfd capacitor.

When measuring 1.F. sensitivity a 0.1 mfd capacitor should be connected in series with the $^{\prime\prime}$ level of the signal generator.

ALIGNMENT FREQUENCIES:

Broadcast - 600 Kc/s and 1400 Kc/s

Check Point - 1000 Kc/s

RECORD CHANGER:

Garrard RC210 - MK 11

CARTRIDGE:

Acos 73 - 2A - SS

STYLII:

Sapphire SS73, Diamond DS73

PICK-UP STYLII PRESSURE

It is recommended that the stylus pressure should not exceed 10 grammes.

DIMENSIONS:

Packed in Carton - 28" x 24" x 13"
Less Carton - 23" x 19", Leas 16", Leas 16",

MAINTENANCE

RADIO:

Access to the radio section may be readily obtained simply by removing the three screws as shown in Figure 1 and drawing out the front section of the cabinet.

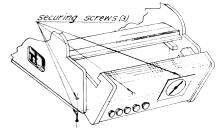


Figure 1

THE RECORD CHANGER:

To gain access to the changer remove the radio receiver as-outlined above and disconnect the inter-connecting leads. After which remove the three suspension screws as shown in Figure 2 and lift the changer out from the top of the cabinet.

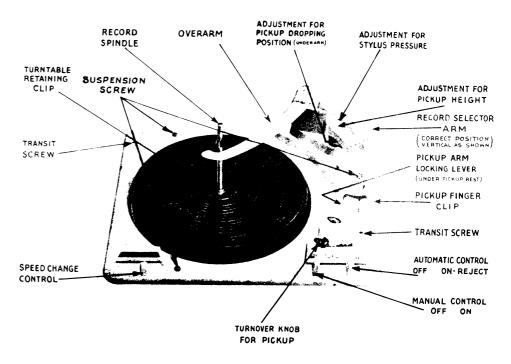


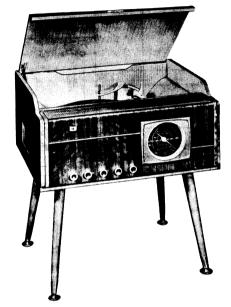
Figure 2



Issue No. 157

Date of Issue: November, 1960.

Subject: Model 5103



STEREOPHONIC TABLE RADIOGRAM MODEL 5103

DESCRIPTION:

An A.C. operated 5 valve superhetrodyne broadcast stereophonic radiogram providing all the features of a full sized radiogram — giving excellent reproduction and is entirely self contained needing no separate speakers. The separate speakers are mounted on each side of the cabinet, and especially when the receiver is placed diagonally across the corner of a room, so that the sound is reflected, the stereo reproduction rivals that of a full sized radiogram.

The attractively styled cabinet is available in Walnut or Maple with white sycamore interior.

The receiver incorporates the following circuit features:-

Automatic Gain Control across two stages.
High Gain and selective tuning circuits.
Twin isolated amplifier systems.
Feedback across each amplifier.
Variable treble cut.
Garrard 4-speed automatic stereo
Record player.

MODEL 5103

