

Admiral

SERVICE MANUAL No. S14

for

DUAL CHANNEL

STEREOPHONIC

HIGH-FIDELITY PHONOGRAPH

using

4A1 CHASSIS

SPECIFICATIONS

Controls: Balance, Tone, Volume, Selector switch.

Power Consumption: 56 watts.

Power Supply: 200 to 250 volts 50 c.p.s.

Power Output: 6 watts total.

Speaker System:

2 Permanent speakers 10" x 3" 3.5 ohms voice coil impedance at 400 c.p.s.

Record Changer:

RC654AS/1—Four-speed with stereophonic crystal pick-up cartridge.

Valves and Transistors:

12AX7 AF Amp.

6B05/EL84 Power Output.

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6V4 Rectifier.

2N406(2) Microphone Pre-Amp.

Cabinet Colours:

Mist Blue and Slate Blue.

Tan and Mocha.

Pastel Green and Olive Green.

INTRODUCTION

The phonograph model covered in this manual is designed for stereophonic reproduction of any stereophonic record employing the Westrex 45/45 recording methods as well as monaural reproduction of any standard 16 $\frac{3}{4}$, 33 $\frac{1}{3}$, 45 or 78 RPM commercial record.

The complete stereophonic system consists of a four-speed record changer with a stereophonic cartridge having two separate outputs, a dual amplifier system utilising two completely separate identical audio channels and two separate speaker systems.

A two-stage transistor microphone pre-amplifier together with a high impedance microphone is used in conjunction with one of the amplifier channels to give microphone and record reproduction either separately or in combination.

The two speaker systems together form the lid of the main cabinet. The speaker sockets are provided at the left and right hand rear of the cabinet. The microphone socket is located at the right hand front side of the cabinet.

"RIGHT" AND "LEFT" CHANNEL CONNECTION

When playing Stereo records, it is desirable to retain the actual directions from which the recorded sounds originated.

To preserve the original direction of the sound it is essential to plug the right and left speakers into the right and left hand sockets respectively and also to maintain correct connections of the pick-up cartridge.

The "Right" channel pick-up plug and corresponding socket on the amplifier chassis may be identified by matching colour spots.

