MODEL O-50 PORTABLE VICTROLA

(phonograph only)

The Model O-50 Portable Electric Victrola consists of a crystal pickup, a two-stage audio amplifier, and eight-inch electrodynamic speaker, and a motor turntable mechanism with automatic mercury switch for starting and stopping—all housed in a portable carrying case of modern design and appearance.

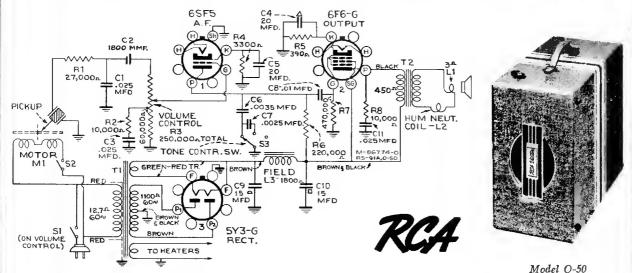
The phonograph motor is a self-starting, constant-speed induction type. It should be lubricated every six months by applying a few drops of light machine oil to the spindle bearing and oil hole.

The motor spindle is tapered, and a conical rubber piece fits snugly on the spindle. The hole in the turntable bushing

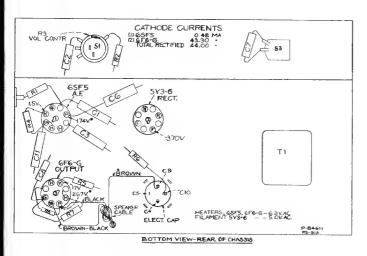
is tapered to fit the rubber. This provides an excellent self-centering floating mounting.

A metal washer is placed on the spindle under the rubber piece. The washer has ears on the under side which fit over a pin that projects through the spindle.

The motor switch is automatic for both starting and stopping, and when properly adjusted, will turn the motor on as the pickup is moved from the pickup rest toward the turntable. The switch should be adjusted so that it will snap into the "off" position when the pickup needle is 13/4 inches from the center line of the spindle. The motor may be shut off at any time by placing the pickup on the pickup rest.

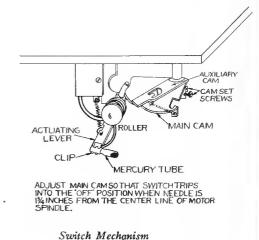


Schematic Circuit Diagram



Parts Layout and Socket Voltages

Measurements made to chassis unless otherwise indicated, with set tuned to quiet point, volume control at minimum. Values should hold within approximately ±20% with 117-volt a-c supply.



* NOTE: Values with star (*) are operating voltages in circuits with high series-resistance, and when measured will read lower depending on the voltmeter loading.

(Shown with pickup in rest position)