

Here's more about that money-making Oscillator RK-24

THE RK-24 Phonograph Oscillator is a small broadcast band oscillator unit designed for use with the RCA Victor Record Player (Model R-93), it may be attached to radio sets of all kinds and types. In addition to its primary use with the R-93, it may be used also for attaching any type of magnetic pickup to any type of receiver with slight modifications (usually the inclusion of an input transformer).

The primary purpose of the RK-24 Phonograph Oscillator is to insure proper phonograph reproduction within the limits of the receiver in all cases, avoiding the necessity of any circuit changes. No longer is the Service Engineer worried with the problems involved in overcoming avoidance of hum, distortion in the audio system and other factors that invariably occur.

FOOL-PROOF CONSTRUCTION

The unit is of simple design and fool-proof construction, and may be attached to practically any set by one unskilled in the art of radio service. Suitable leads with special contacts are provided for obtaining filament and plate power for the oscillator unit, so that internal wiring to the chassis is not necessary.

Of unusual interest is its ability, through the use of the RCA-6A7 or 2A7 tubes, to be used with receivers having either 2.5-volt heater type tubes or 6.3-volt heater type tubes. *For this reason it is sold without tube.* This adaptability makes it possible to operate the RK-24 Oscillator with practically all radio sets of the AC type manufactured during the last five years.

A TRANSMITTING STATION

The RK-24 is actually a miniature transmitting station, modulated with the output of the phonograph pickup. As the frequency range of the pickup is usually equal to or better than the transmission range of the ordinary

broadcasting station and there is no intervening factor such as fading and distortion due to transmission, the phonograph quality will, in practically all cases, be that obtained with the very best possible local broadcasting stations to which the receiver may be tuned.

For this reason, one will know in advance that the phonograph reproduction quality will be limited only by the capabilities of the receiver to which it is attached.

The simplicity of connections is such that it usually takes about five minutes to install.

A TRANSFERABLE UNIT

The RK-24 may be removed from one receiver to another very quickly and easily. Optimum results will be obtained in all cases. Avoidance of any switching requirements in the radio chassis proper, as well as any circuit changes, such as changing of detector tube bias to operate them as audio amplifiers and lack of sufficient audio gain, are all eliminated through the use of the RK-24 Oscillator.

We believe this oscillator fills a long-felt need often expressed by service men modernizing old phonographs, or service men attaching electric phonographs to ordinary radio sets. It also opens up a new field due to the simplicity of its connections, and the assured results obtained.

ELECTRICAL SPECIFICATIONS

Tuning Range.....	1400-1700 Kilocycles
Type of Oscillator Circuit...	Hartley Oscillator
Type of Modulation	Suppressor Grid Modulation
Input Voltage	0.3 Volt
Output Impedance.....	30 Ohms
Heater Current	1.0 Ampere (2.5 V.), 0.3 Ampere (6.3 V.)
Plate Current...	2.0 Milliampers at 250 Volts