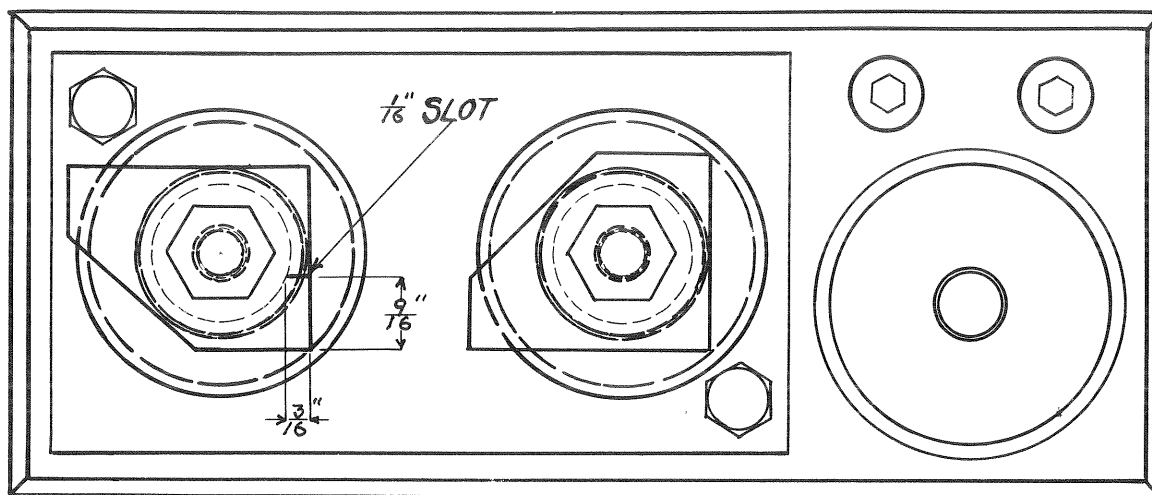


# INSTRUCTIONS FOR RCA VICTOR PICKUP MAGNETIZER

## STOCK No. 9549



SN 594

### Introduction

The RCA Victor Pickup Magnetizer is a battery energized electro-magnet for magnetizing electric pickups, permanent magnet loudspeakers and similar devices. It consists essentially of two pole-piece assemblies, the respective coils of which are connected through a push-button to two binding posts for the external storage battery supply.

In some instances it will be necessary to make a slight change on the magnetizer, as indicated in Figure 1, in order that the pickup centering spring will not interfere with the pole piece of the pickup making firm contact with the electro-magnet.

One pole piece must be rotated 180 degrees, while  $\frac{9}{16}$  of an inch from the lower edge a slot  $\frac{1}{16}$  of an inch wide must be cut to a depth of  $\frac{3}{16}$  of an inch.

### Installation

The magnetizer may be mounted in any location convenient to the storage battery connections. The power supply should be capable of delivering at least 6 volts at 4 amperes to the magnetizer. The leads for connecting to the battery should be No. 14 B. & S. or larger.

### Operation

To re-magnetize an electric pickup, first make cer-

tain that all adjustments involving removal of the magnet have been made. Proceed as follows:

**For Obsolete Types**—Place the pickup on the magnetizer so that the pole pieces of the pickup are in contact with those of the magnetizer, irrespective of polarity. It is important that adjacent surfaces of the respective pole pieces shall make good contact over as large an area as possible. Press the button and hold it down for a period of from one to two seconds. Remove the pickup gently, being careful not to jar its magnet from the pole pieces. For magnetizing chromium pickup magnets, 6 volts will be sufficient. With cobalt magnets, however, 12 volts will be required for full saturation, although a fairly satisfactory magnetization is possible with only 6 volts. If a 12 volt source is employed, care should be taken to prevent overheating of the magnetizer coils.

**For Present Types**—Remove the magnet from the electric pickup and place it on the magnetizer. Press the push-button and hold it down for one or two seconds. To remove, hold the pickup so that the surfaces of its pole pieces are level with the pole pieces of the magnetizer and *slide* the magnet from the magnetizer onto the pickup so that the magnetic circuit will not be broken. Practically all modern types of electric pickups embody a chromium magnet for which a 6 volt supply is sufficient.