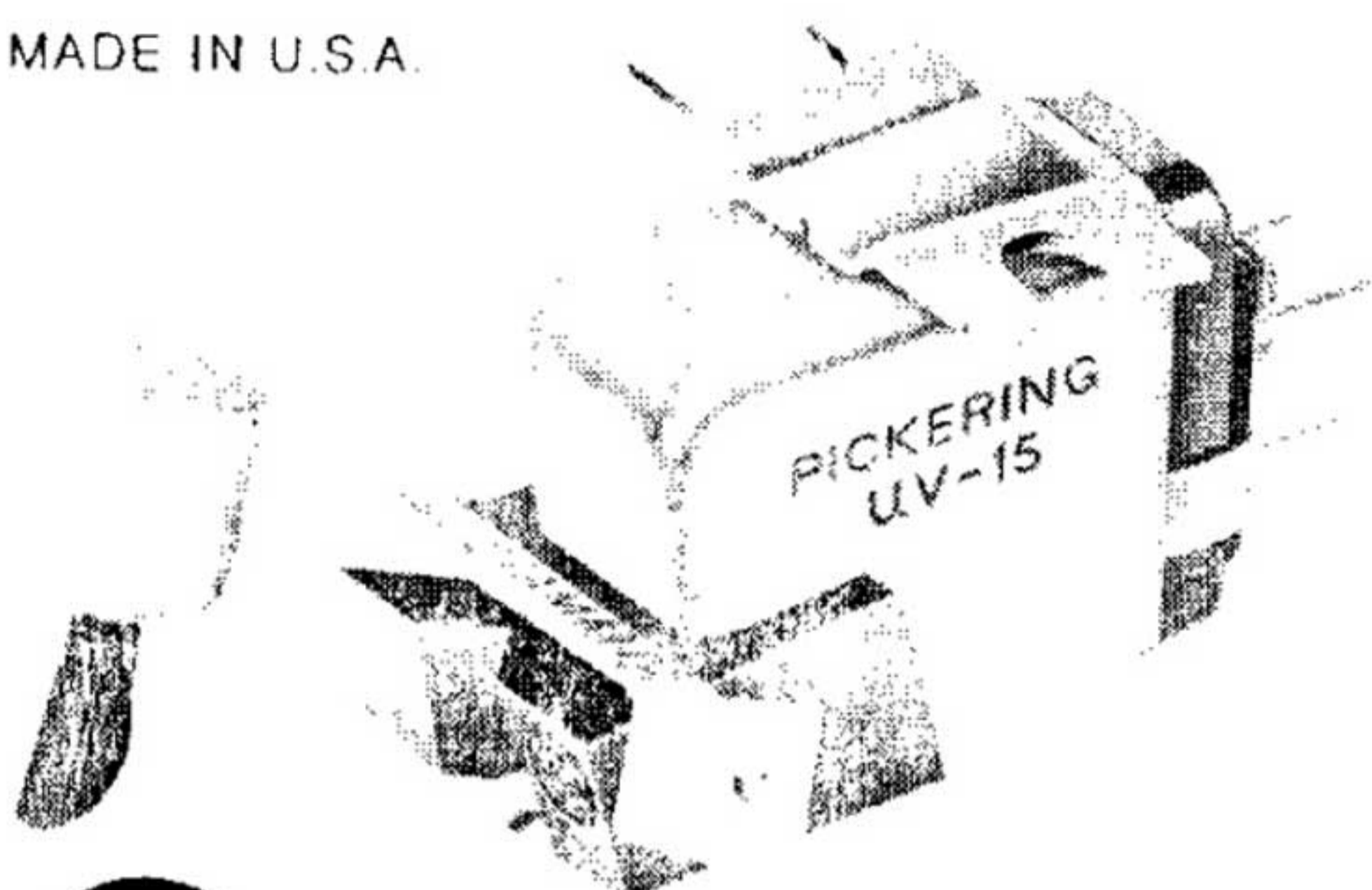




"for those who can hear the difference"

UV-15/2000-Q CARTRIDGE DISCRETE four channel

MADE IN U.S.A.



FEATURING
a **QUADRAHEDRAL™** stylus

The UV-15 cartridge is covered by the following U.S. Patents: 3,546,399; 2,917,590; 3,572,725, 3,602,519, as well as corresponding patents or pending applications in the leading industrial nations throughout the world.

Only PICKERING AND COMPANY, INC. manufactures the genuine V-GUARD™ stylus assemblies used in the UV-15 Series.



"for those who can hear the difference"

PICKERING & COMPANY, INC.
Sunnyside Boulevard
Plainview, New York 11803

MADE IN U.S.A.

UV-15/2000-Q CARTRIDGE DISCRETE (four-channel)

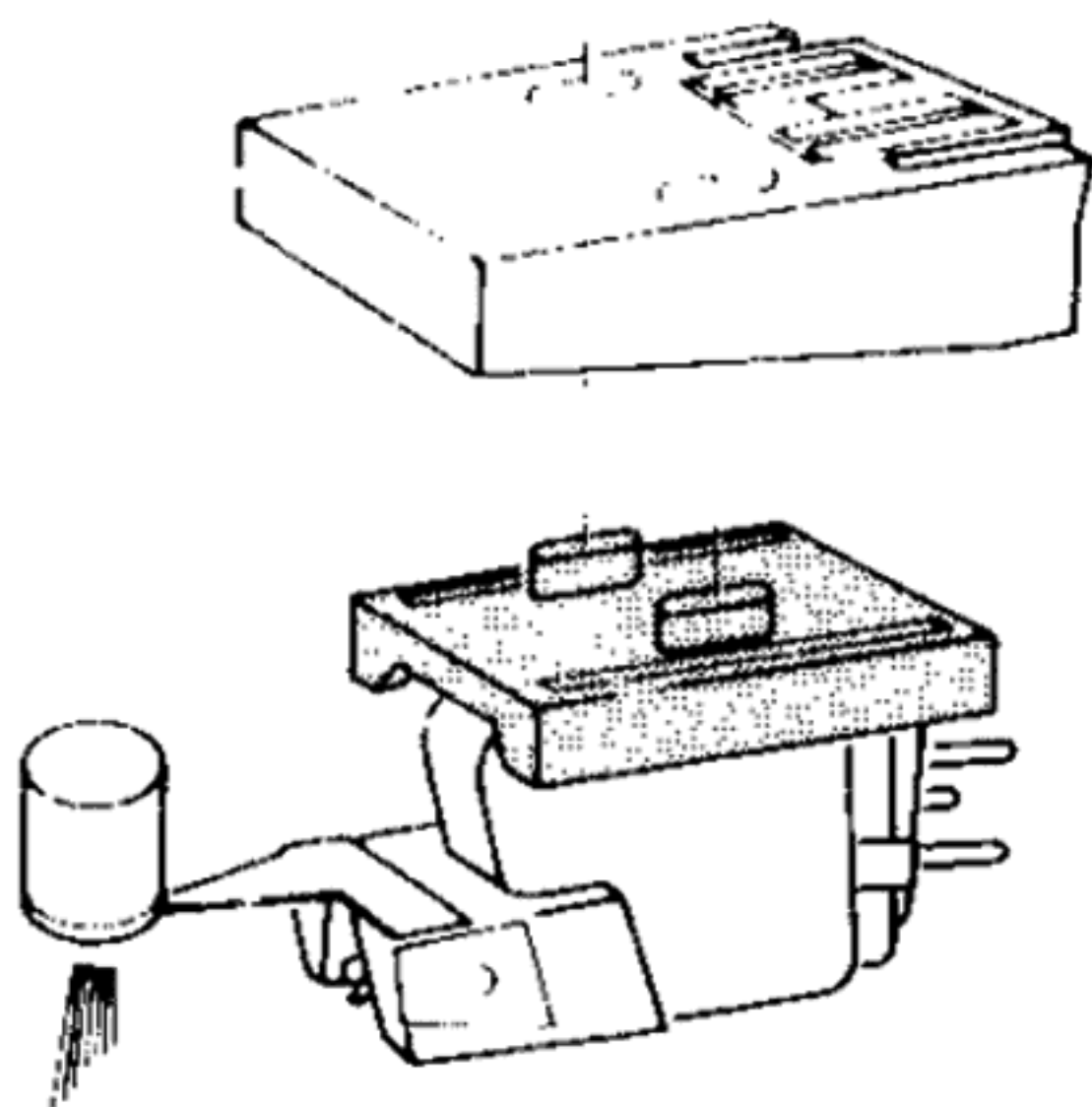
The ability to faithfully reproduce not only the 20 Hz to 20 kHz AM signals but also the 30 kHz modulated signals in the record's grooves is a basic requirement of a discrete cartridge. The Pickering UV-15/2000 Q was designed and engineered to accomplish this feat, which it does *superbly*. It compares favorably to any discrete cartridge at any price. And it features a new high performance stylus assembly, the Quadrahedral™ which encompasses design concepts that not only perform brilliantly, but also reduce record wear.

QUADRAHEDRAL STYLUS

The Quadrahedral™ Stylus is a fourth generation stylus design. It is shaped to provide a scanning radius that matches the requirements of the higher frequency signals, together with an enlarged area of record groove contact, thus providing superior high frequency performance with minimum stylus and record wear.

TYPE 'C' SNAP-IN-MOUNT For DUAL CH12 and CH19 Mounting Clips

First mount your cartridge in your SNAP-IN-MOUNT as shown in these instructions entitled "Cartridge Mounting Into SNAP-IN-MOUNT." Press the projections of the type C SNAP-IN-MOUNT into the slots of the Dual mounting clips until they snap in securely. Place the Dual terminal clips on the terminal pins with matching colors. (see stereo connection illustrations).



CARTRIDGE MOUNTING INTO SNAP-IN-MOUNT

Mounting of your new PICKERING cartridge has been greatly simplified. You have been supplied with four SNAP-IN-MOUNTS (see following illustrations). Remove your required type SNAP-IN-MOUNT from the others. Types **A**, **B** and **C** may be mounted in either direction, while Type **D** has an arrow indicating the front direction. Place one end of your cartridge bracket in the end of the slot in your SNAP-IN-MOUNT, see Fig. 1 below. Press the free end of the bracket into the slot until both ends are securely held by the SNAP-IN-MOUNT, see Figures 2 and 3 below.

Fig. 1

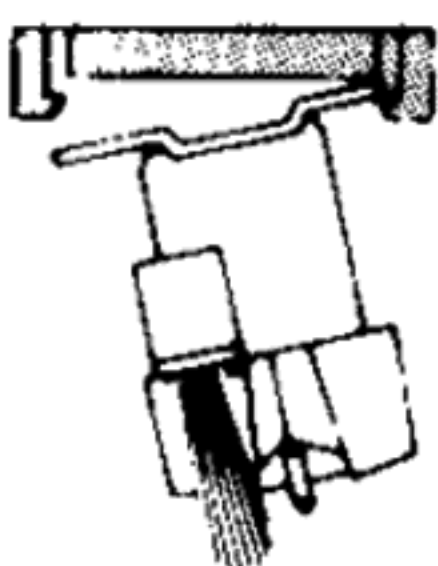


Fig. 2

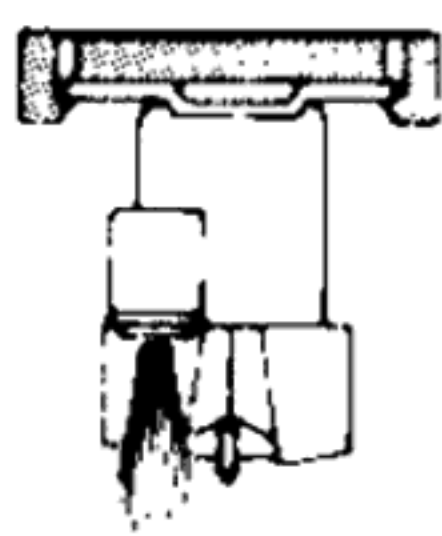
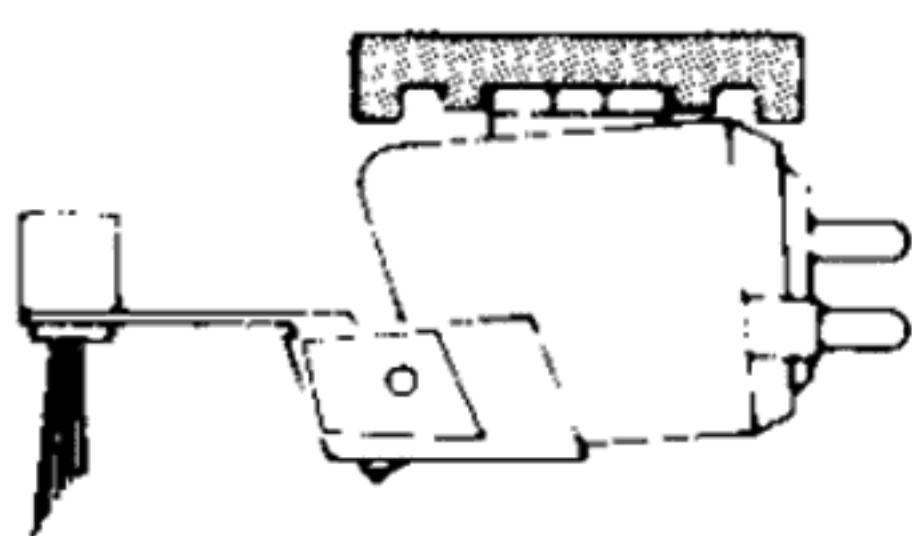


Fig. 3

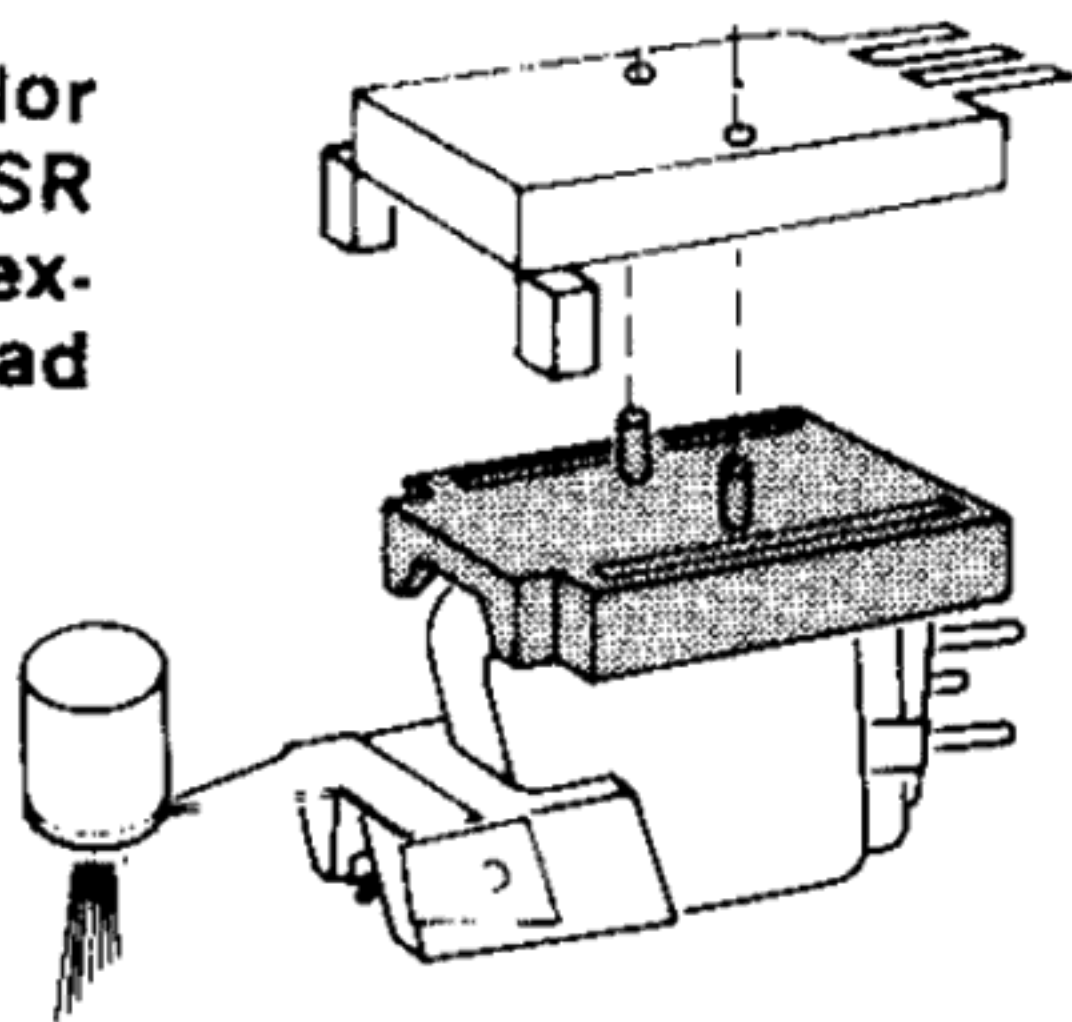


NOTE: For arm heads other than shown, mount the cartridge with screws provided with your head.

TYPE 'D' SNAP-IN-MOUNT For BSR Head Adaptors (A107162)

First mount your cartridge in your SNAP-IN-MOUNT as shown in these instructions entitled "Cartridge Mounting Into SNAP-IN-MOUNT." You have mounted your cartridge in the type D SNAP-IN-MOUNT with the arrow pointing forward, thus allowing clearance for the BSR adaptors "ears." Next press the studs of the type D SNAP-IN-MOUNT into the screw holes of the BSR adaptor until the mount is firmly seated. Place the BSR terminal clips on the terminal pins with matching colors (see stereo connection illustration).

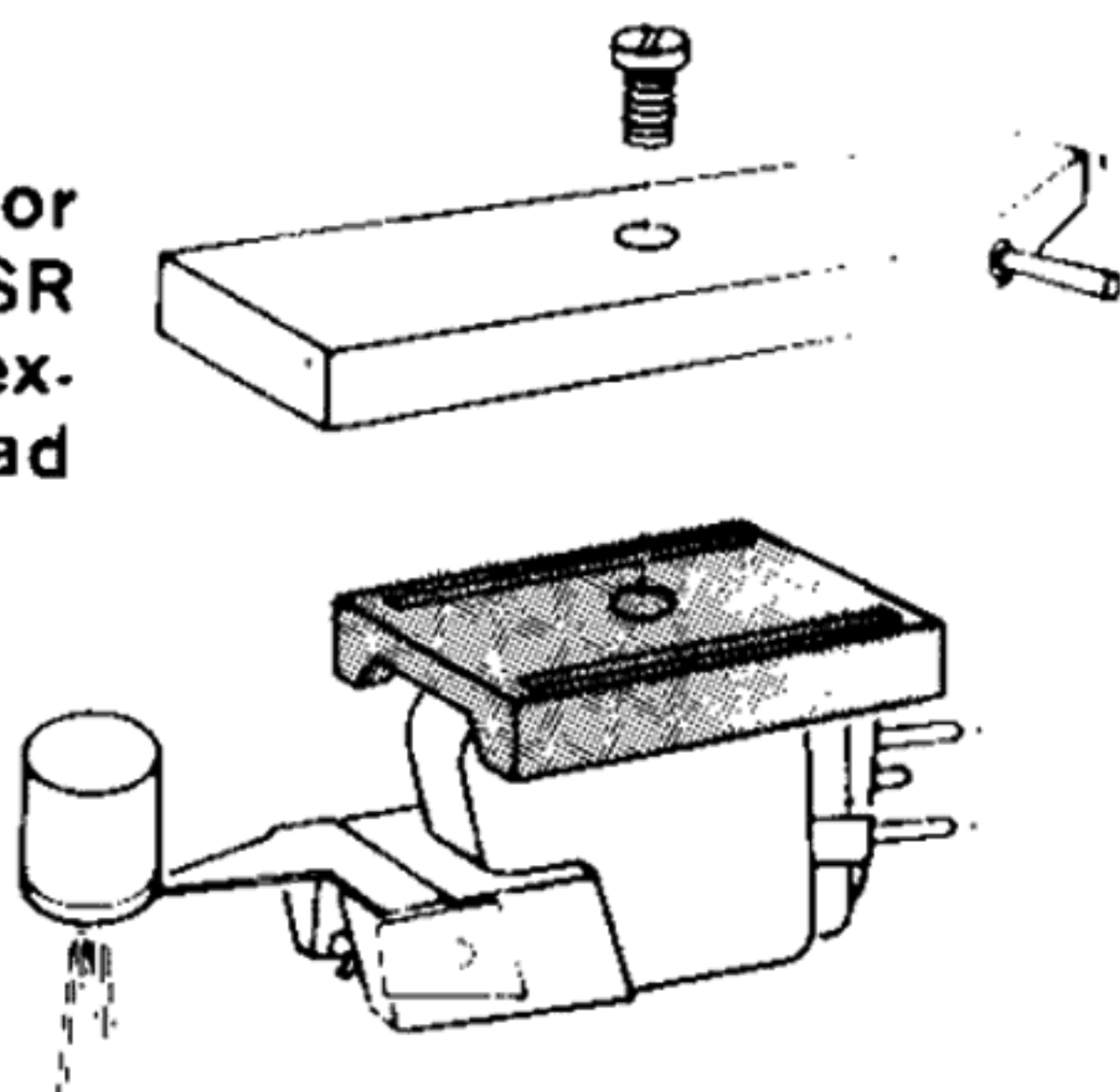
Note: terminal color plate matches BSR lead wire colors, except place **Black** lead wire on **Blue** pin.



TYPE 'A' SNAP-IN-MOUNT For BSR Single Hole Heads (B106776)

First mount your cartridge in your SNAP-IN-MOUNT as shown in these instructions entitled "Cartridge Mounting Into SNAP-IN-MOUNT". Place the cartridge with SNAP-IN-MOUNT inside the BSR head and insert the BSR supplied screw. (This screw will form its matching thread in the hole of the SNAP-IN-MOUNT as it is turned to hold the mount firmly in place). Put the BSR terminal clips on the terminal pins with matching colors (see stereo connection illustration).

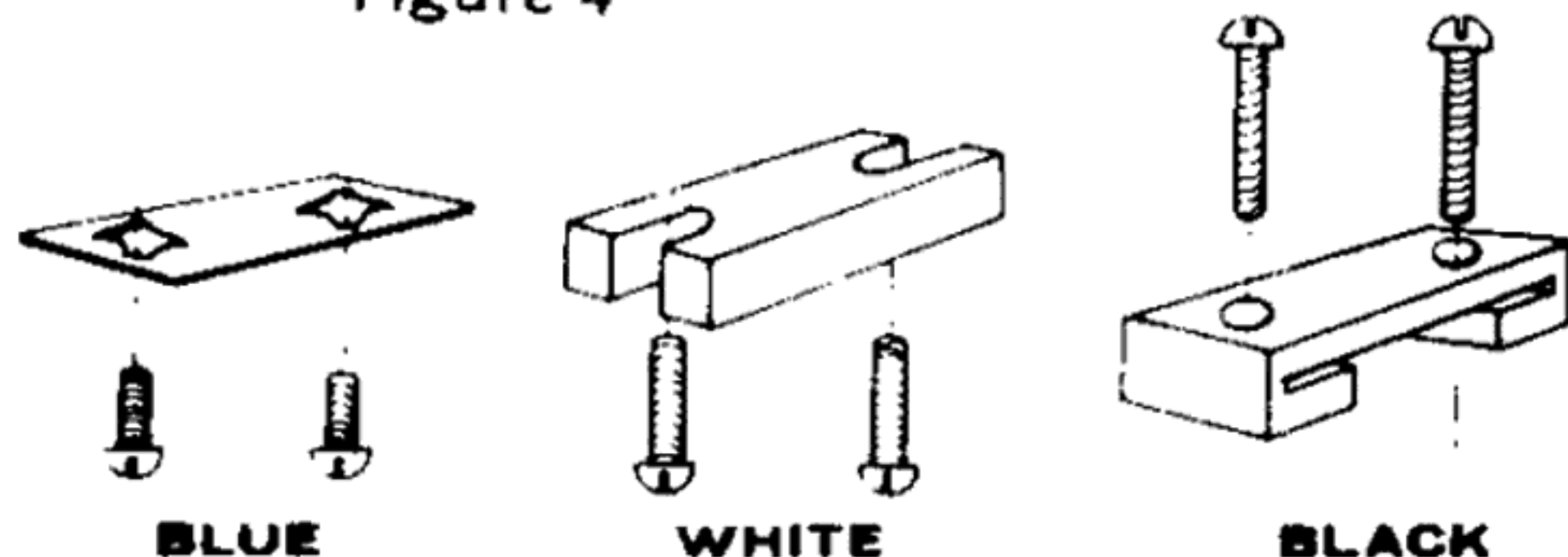
Note: terminal color plate matches BSR lead wire colors, except place **Black** lead wire on **Blue** pin.



CARTRIDGE MOUNTING WITH SCREWS

1. In your hardware package you will find two types of screws, each in two lengths and three different thicknesses of screw-holders (Figure 4). Check the record player manufacturer's instruction sheet to determine which screws are required for their particular type of tone arm head.

Figure 4

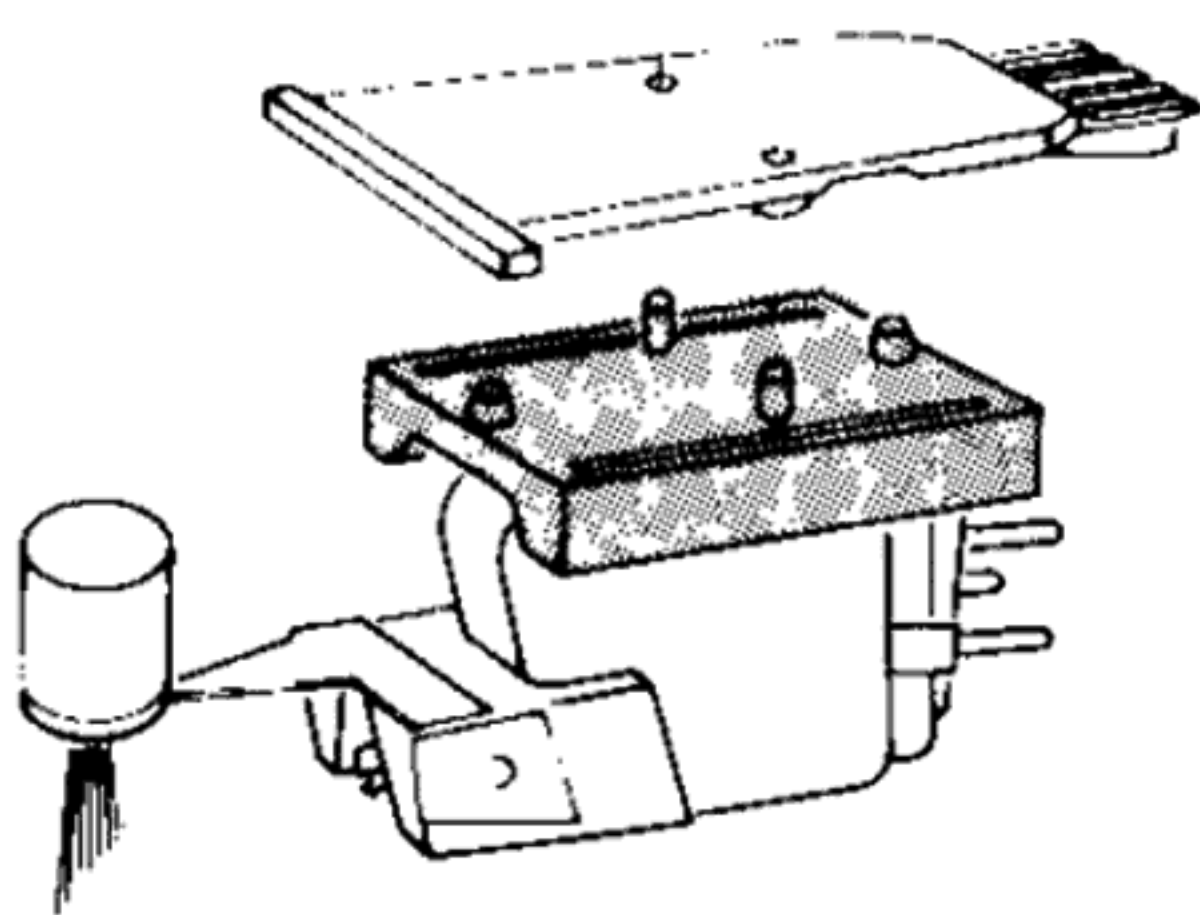


a. The **BLUE** screw-holder is for use in tone arm heads requiring no spacing between cartridge bracket and mounting surface. Simply insert the required screws into holes in the plastic with the cartridge bracket between screw heads and plastic. This allows easy holding and positioning of screws while tightening.

TYPE 'B' SNAP-IN-MOUNT

For GARRARD C1 and C2 Head Slides

First mount your cartridge in your SNAP-IN-MOUNT as shown in these instructions entitled "Cartridge Mounting Into SNAP-IN-MOUNT." Press the studs of the type B SNAP-IN-MOUNT into the screw holes of the Garrard slides until the SNAP-IN-MOUNT is seated firmly. Place the Garrard terminal clips on the terminal pins with matching colors. (See stereo connection illustrations).



b. The **WHITE** molded plastic screw-holder is for use in some heads where more spacing is needed. The required screws are inserted upwards into slots in the white spacer with the cartridge bracket between screw heads and plastic.

c. The **BLACK** molded screw-holder is for use in heads having a removable slide-insert which requires reverse insertion of screws from above (See Figure 4).. Simply insert cartridge bracket in slots, align holes and insert required screws from top of slide. **No nuts** are required with this spacer.

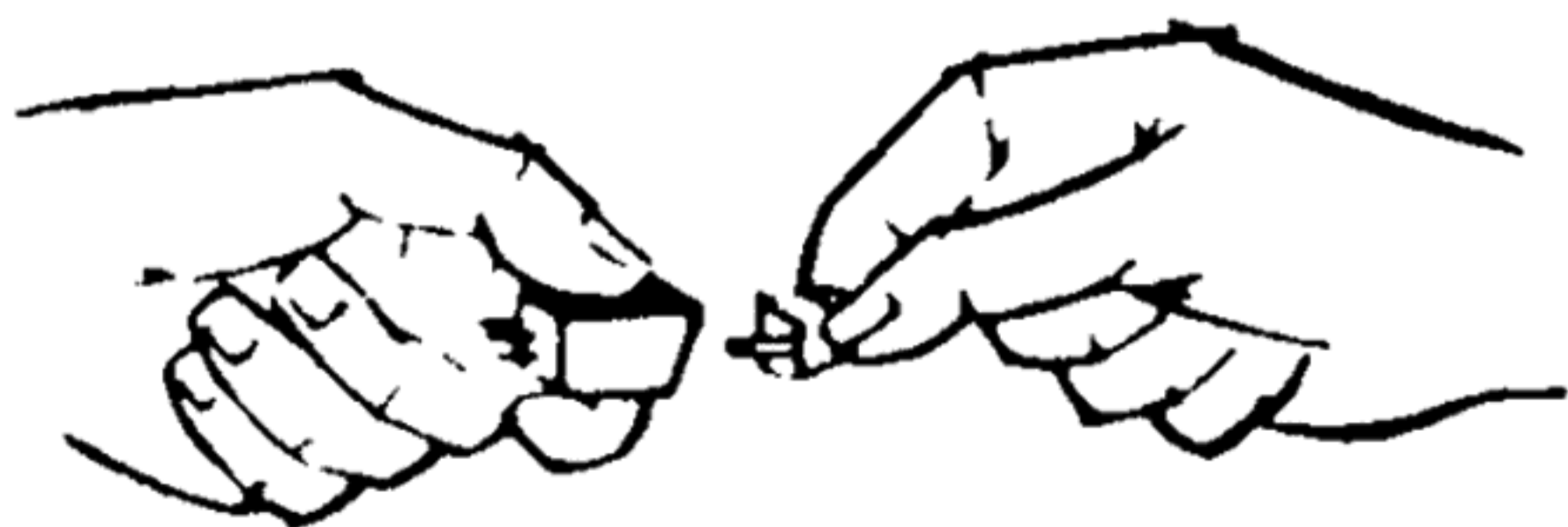
IMPORTANT!—ADJUSTMENT PROCEDURE FOR 4 CHANNEL DISCRETE OPERATION

Since there are significant differences in the performance characteristics of 4 Channel discrete demodulators as supplied by various manufacturers, it is suggested that the following procedure be followed for optimum performance!

1. Set up the Left and Right channel nulling (or balancing) procedure in accordance with the manufacturers instructions.
2. Next, adjust the carrier level controls in accordance with the manufacturers instructions.
3. Play some typical examples of your favorite 4 channel discrete records. Now, adjust only the 30 kHz carrier level controls either up or down to provide best listening performance. This adjustment may be necessary since a number of demodulators are somewhat sensitive to the carrier levels and improved performance can be obtained by making a final adjustment with the complete system playing your favorite records.

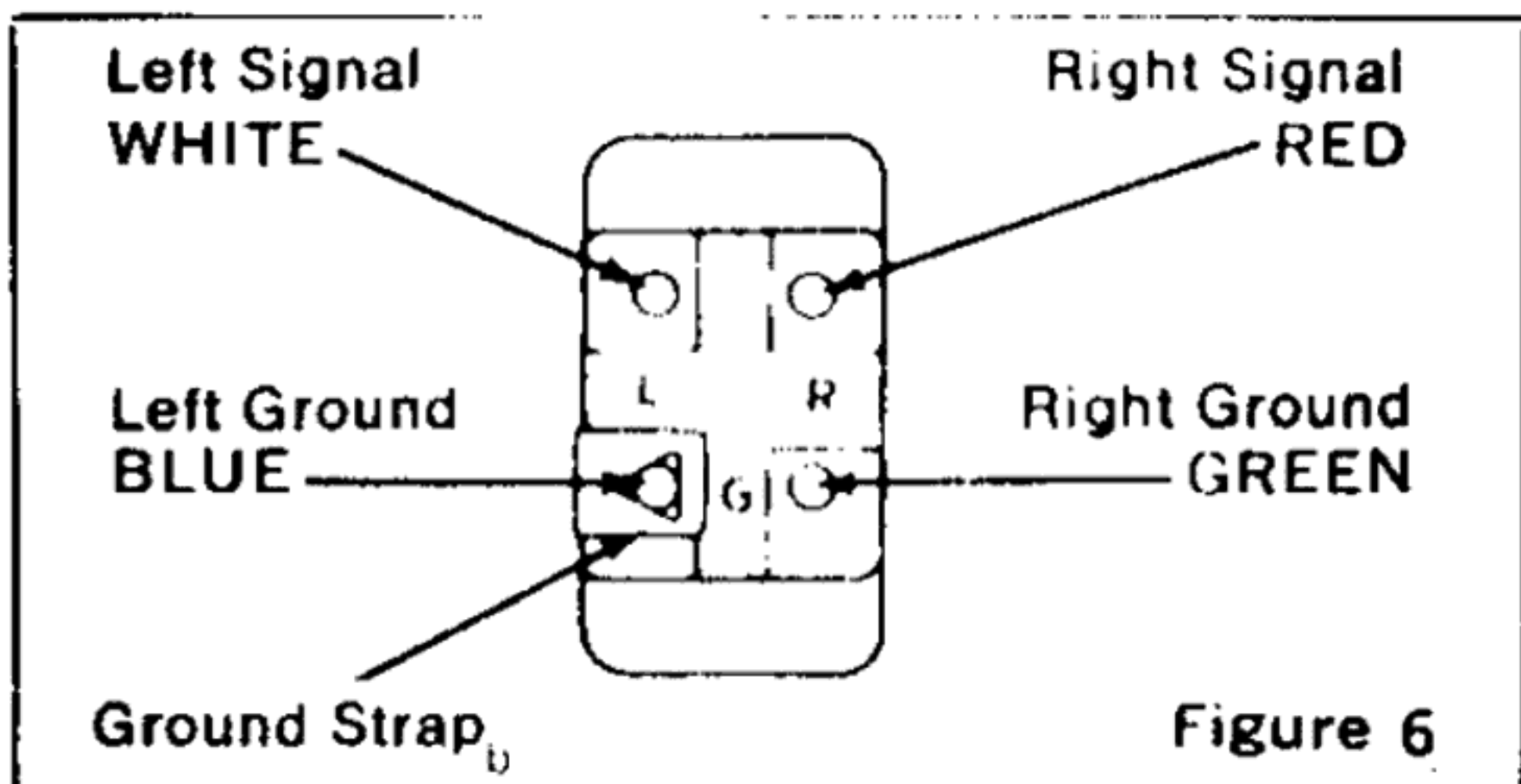
V-GUARDTM STYLUS with DUSTAMATICTM BRUSH

The patented, replaceable V-GUARDTM DUST-AMATICTM stylus assembly is removable. Simply grasp between the tips of the thumb and forefinger. Pull gently to remove the stylus assembly. Although the V-GUARD stylus assembly is sturdily constructed, please handle it carefully when removing and replacing it.



4-CHANNEL DISCRETE AND STEREO CONNECTIONS

1. The turntable arm connections for 4 channel discrete operation are the same as for normal stereo operation. However, keep in mind that stray capacitance and long lead lengths will have more adverse effect on the higher frequencies of 4 channel discrete operation than on normal stereo. (See Note 2.)
2. Your turntable arm or head has four lead wires with terminal clips for normal stereo connection. Check the manufacturer's instruction for matching these leads with cartridge terminal pins on Figure 6.



- Note: a. Use your terminal clips in connecting lead wires to cartridge pins. Do Not use solder on cartridge pins.
b. In metallic tone arm heads remove the ground strap.

TRACKING ADJUSTMENTS

1. Balance the tonearm and mounted cartridge according to turntable manufacturer's instructions. See Figure 4.
2. Apply the desired tracking force PLUS one gram to compensate for the weight of the brush.
3. Stylus point is now in position and ready for operation (figure 5). REMEMBER: When reading tracking force scale, you are actually tracking at one gram LESS than indicated due to the one gram added to compensate for the brush weight.

Important Notice!

THE PICKERING UV-15/2000-Q

CARTRIDGE NOT ONLY PROVIDES EXCELLENT PERFORMANCE WITH 4 CHANNEL DISCRETE CARTRIDGES, BUT ALSO PROVIDES IMPROVED PERFORMANCE WITH STANDARD STEREO RECORDS AND ALL FOUR CHANNEL MATRIX DERIVED COMPATIBLE SYSTEMS.

UV-15/2000-Q CARTRIDGE

Specifications	
Stylus Part No.	D 2000 Q
Stylus Description	Quadrahedral
Tracking Force ¹	1-3 grams
Color	Black with White D-2000 Q
Frequency Response ²	20 to 45000 HZ
Output ³	3.8 mv \pm 2 db
Channel Separation	30 db
Inductance Each Channel	350 mh
Resistance Each Channel	750 ohms
Accessory Stylus for L.P. Records	Stylus No. 4510
Accessory Stylus for 78 R.P.M. Records	Stylus No. 4527

Notes:

1. Recommended by manufacturer for optimum performance.
2. When the cartridge is terminated in the recommended load of 100K ohms and 100 PF.
3. Output with reference to 5.5 cm/sec record velocity.

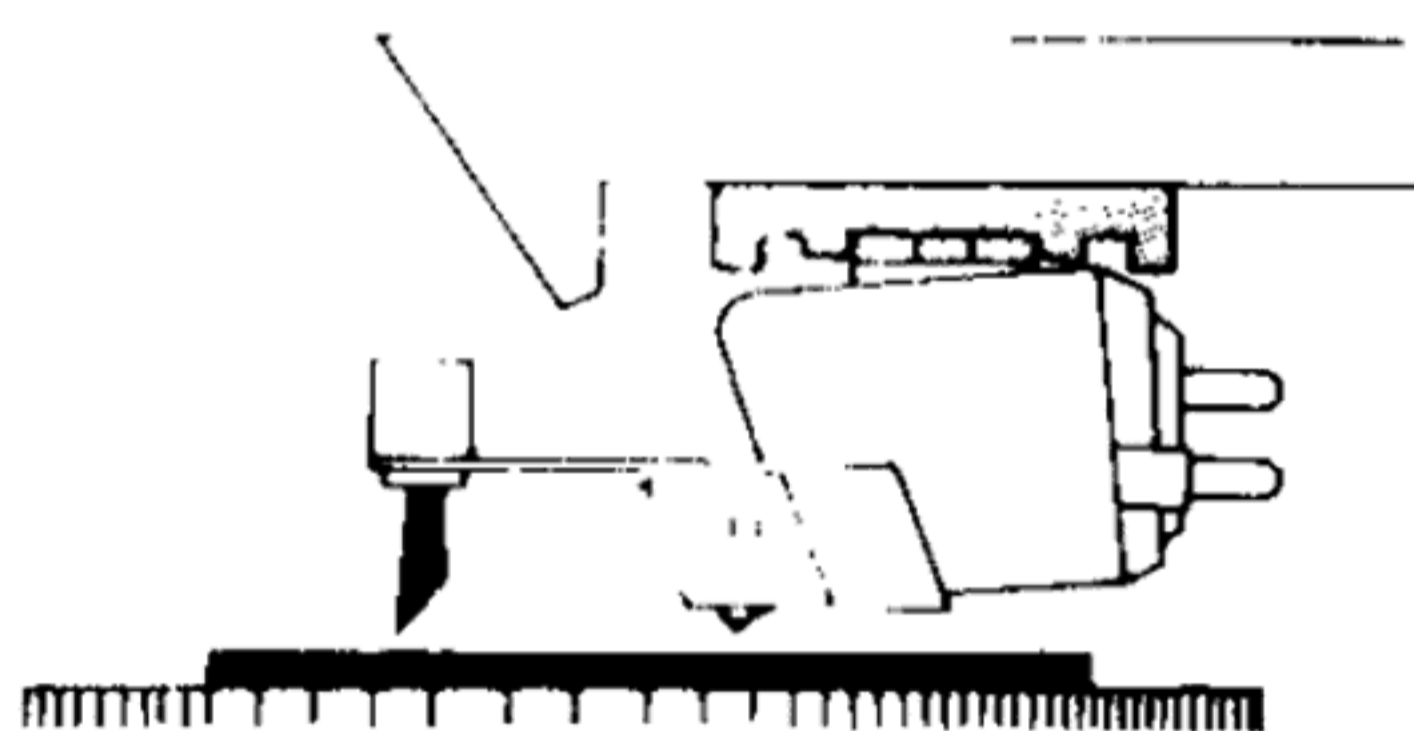


Figure 4

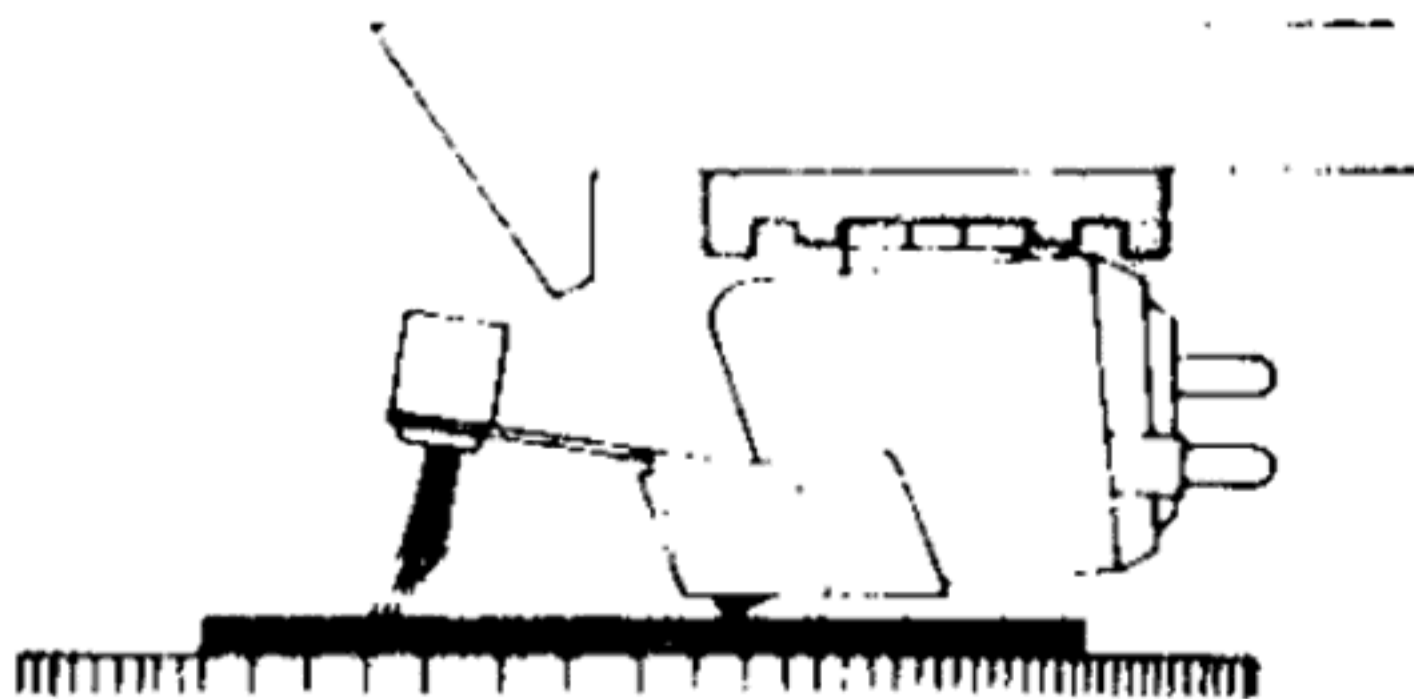


Figure 5