For the finest handmade acoustic pickups
by Canada's leading pickup manufacturer

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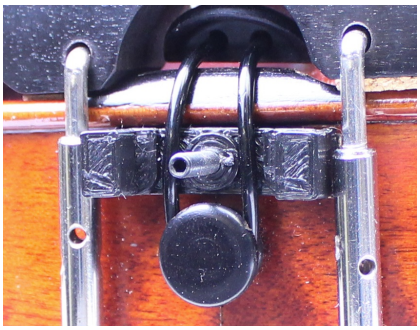
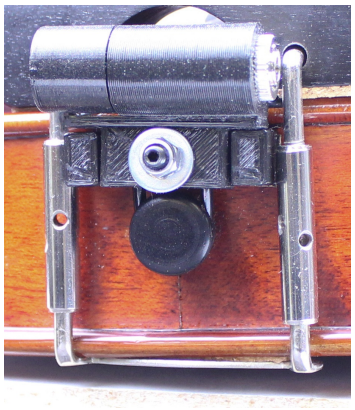
Installation Instructions - VR-2, VR-2 Neo 1/8", VR-2 Neo 1/4", VR-2 Pro-2

Bridge Fitting

1) The feet of the bridge must be fitted precisely and correctly to match the curve of the belly of the viola. As well, the bridge may be reduced in thickness to optimize its' response and the curvature of the bridge top must be set. If you are not comfortable doing the fitting of the bridge, then it is strongly suggested that you take your pickup and instrument to your local violin builder/ repair person or luthier to have the work done professionally.
2) Reasonable care should be taken when handling the pickup until it is installed. The lead wire from the pickup is quite flexible and is not prone to breakage. Please refrain from any excessive pulling or tugging on the lead wire.
3) The face of the bridge with the large black dot should face the tailpiece. The large dot represents the center of a 1/4" circle that contains the piezo crystal.
4) This viola pickup will sound its' best amplified if the bridge is thinned as little as is practical. We advise that any thinning of the bridge should be done above the piezo unit. Do not thin from the back surface of the bridge.

Installing the Neo Jack





1) The stud bracket that will hold the Neo Jack is to be inserted behind the tail gut.
2) Note: There is a small silver dot on the bottom edge of the Stud Bracket. The silver dot should be positioned towards the endpin.
3) Install the stud bracket and tailpiece.
4) Install the fitted bridge and strings. When the strings are up to tension the stud bracket will be firmly held in place.
5) If necessary, remove the chinrest and feed the Neo Jack through between the chinrest clamps. Reinstall the chinrest.
6) Install the Neo Jack onto the stud bracket.
7) Place the flat washer onto the exposed stud followed by the nylock nut. Note that the flat surface of the nut is installed facing the flat washer.
8) Tighten up the nut with the supplied wrench.

Installing the jack for the VR-2 Pro-2

The VR-2 Pro-2 comes prewired to the RJAplus jack assembly
1) Attach the lower portion of the chin rest clamp to the 'legs' of the jack assembly. The jack assembly is normally positioned in the area to the left of the tailpiece and can be repositioned as necessary.
2) Using a small allen key or other small round inserted in the holes in the barrels of the clamp assembly, tighten the jack to the body.

A Word About Amplification:

VR-2 passive pickups have been designed to operate properly and sound good without the use of a preamp when plugged into any normal electric guitar amp. As a non-preamped piezo pickup the VR-2 has an impedance of approximately 2 mega ohms which most electric guitar amps will handle. As with any passive pickup, the sound can be further enhanced and EQ'd with an outboard preamp.

PA systems: If you require the added ability to be able to plug directly into a P.A. or mixer then a preamp designed for pickups will be necessary. The preamps that are built into PA systems are microphone preamps and generally will not work properly with a passive pickup.

Acoustic Amps: If you are plugging into an acoustic amp a preamp may be required depending upon the design of that acoustic amp. Acoustic amps may or may not require the use of a preamp with a passive pickup and that will depend upon whether or not there is a special built in preamp section within that amp that specifically allows for the choice of plugging in either a passive (non-preamped) or active (preamped) pickup. This choice is quite often a second channel or a pushbutton on the amp's control panel. Many acoustic amps show a selection that may indicate the choice of 'high impedance' and 'low impedance'. Low impedance in these instances usually indicates that in this range the amp will handle an impedance of 1000 ohms or less - which will allow active pickups with preamps to be used.

High impedance in these instances may indicate an allowable impedance in the 2 or 3 mega ohm range - which will allow passive pickups to be used. Or it may indicate a maximum input impedance allowed of 20,000 ohms or less - which will handle magnetic electric guitar pickups but not passive pickups. You should carefully read the technical specifications of your acoustic amp in order to see what it will do.

Neo Jacks are patent applied for