

Installation Instructions: TC Neo

Installing the pickup sensor

- 1) Remove the strings and cover plate from the instrument and set them safely aside. Remove the T bridge.
- 2) Using some of the supplied 3M VHB tape, cut a piece to fit and adhere it to the brass side of the pickup sensor.
- 3) Thread the sensor element through the center opening of the cover plate.
- 4) Remove the backing paper from the VHB and as per photo at right, press the pickup into position on the T bridge. Reinstall the T bridge on the cones.
- 5) Reinstall the cover plate.



Installing the Neo-Jack

- 1) The Neo-Jack is designed to fit directly onto the tailpiece. Dry fit the jack assembly onto the tailpiece; it should be a snug fit. Note that the hole in the tailpiece is visible through the slot in the Neo-Jack.
- 2) Remove the backing paper from the 3M VHB on the Neo-Jack, carefully position the jack assembly properly over the tailpiece and press the Neo-Jack firmly into place on the tailpiece.
- 3) Position the tailpiece as it would be mounted on the instrument and reinstall the tailpiece on the instrument. Hide any excess lead wire under the tailpiece.
- 4) Reinstall the strings.



A Word About Amplification:

TC 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 TC has an impedance of approximately 1 mega ohm 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 1 or 2 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.

Warranty

We warrant to the original purchaser that our pickups are free from defects in materials and workmanship for a period of 2 (two) years. Should a product fail to perform properly within the specified warranty period you may contact your dealer or Schatten Design for instructions. No product will be accepted for warranty return by Schatten Design without a Return Authorization.