

Installation Instructions - Schatten D-4 Std. Dulcimer Pickup

Thank you for purchasing one of our dulcimer pickups. Each pickup is carefully hand built and individually tested to ensure that it meets our high standards for quality and durability. Please read these instructions through fully prior to installing your pickup

Installing the output jack assembly

The jack assembly is generally installed first, prior to the piezo sensor. There are two options for mounting the jack assembly.

Using 3M VHB tape to install the jack assembly:

- 1) The area of the end block chosen to install the jack assembly should be flat, clean, and dry.
- 2) The jack assembly comes supplied with strips of 3M VHB mounting tape. For most installations this tape will provide a secure mounting medium. Remove the backing paper from the VHB and press it against the underside of the jack bracket. Remove the remaining backing paper and press the jack assembly into position on the end block of the instrument.

Using screws to install the jack assembly:

- 1) To mount the jack assembly using the supplied small wood screws, 2 small holes first need to be drilled into the end block.
- 2) Remove the jack from the jack bracket. Line up the bracket where you want to mount it to the end block and mark the position of the holes.
- 3) Drill into the end block with a drill bit smaller than the diameter of the supplied screws.
- 4) Attach jack bracket to the end block and reinstall the jack onto the bracket.

Installing the Piezo Sensor

There are two options for attaching the piezo sensor to the instrument; a thin layer of putty or a strip of 3M VHB tape. The putty will in general transmit slightly more sound than the tape but takes a bit more care to install properly.

Using putty:

- 1) Take a piece of putty about half the size of a small pea. Knead and stretch the putty until it is quite soft and flexible. Spread the putty on the underside of the pickup by stretching it around with your thumbs (the underside of the pickup is the side opposite the label and has a small silver dot in the middle of it). The thinner the putty the better it will work. Press the sensor into position on the top of the dulcimer.

Using VHB tape:

- 1) Cut a piece of tape to the length of the piezo sensor and install it on the underside of the pickup (this is the side opposite to the label). Remove the backing paper.
- 2) As shown in the picture to the right, the piezo sensor is normally positioned about even with one of the last frets of the instrument. On the dulcimer shown at right, the pickup just happens to partially span one of the sound ports. It is not necessary to span a sound port for the pickup to work properly, it just depends on the dulcimer.
- 3) The mounting point for the sensor is meant to be in an area of the top that is quite lively and resonant.
- 4) The sensor has to be pressed securely into place with either mounting material. Please make sure not to press so hard as to damage or crack the wood of the instrument.
- 5) To secure any excess wire from rattling against the instrument, tear off one or two small quantities of putty and place them in the 90 degree corner formed between the fingerboard and the top.
- 6) Once the putty is in place, the pickup wire can be pressed into it to hold in place.

Notes: This pickup is designed to work properly plugged into any 'normal' amp. A DI box and/or preamp may be needed if the signal is taken straight into a mixer or PA system.

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 warranty instructions. No product will be accepted for warranty return by Schatten Design without a Return Authorization number.

