

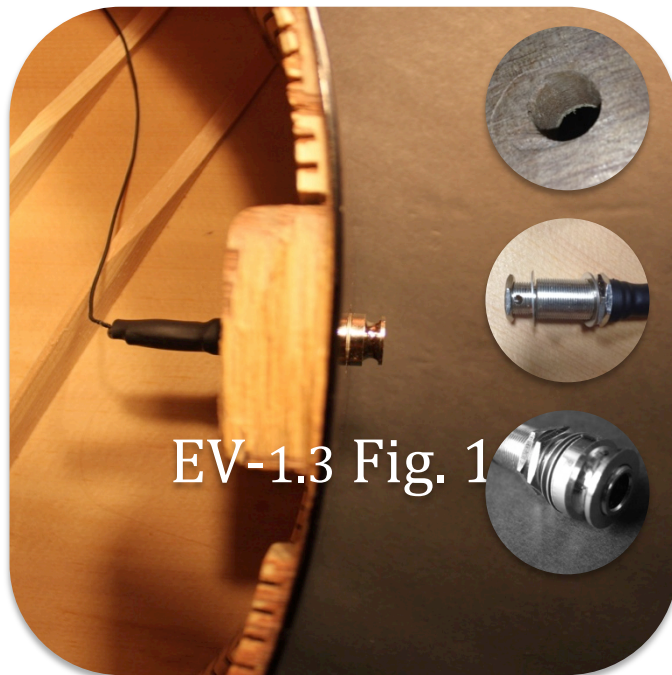
## Installation Instructions For the EV-1.3 Transducer System

There are three main installation procedures that need to be followed for best results. We have installed hundreds of these systems and offer this information as guidance only. Since every guitar is different, these instructions should be considered as “reference only”. Professional installation is always ideal.

### 1. Prep for the Endpin Jack installation:

- a. Remove old endpin.
- b. Apply Blue masking tape over the existing hole to prevent finish damage.
- c. The hole needs to be drilled through the end block to 1/2" dia. (See Fig.1 detail 1)
- d. Adjust the lower nuts on the endpin jack and test fit in the end block.
- e. When fully tight, the major diameter of the endpin should sit just under flush with the exterior of the guitar. (See Fig. 1 detail 2)
- f. Tighten the nut with a wrench using an Allen key through the cross drilled hole in the minor diameter of the endpin to insure its tight.

**Note:** Do not over tighten. Fittings are plated brass and are fairly soft.



EV-1.3 Fig. 1

#### Detail 1

1/2" dia hole

#### Detail 2

Major dia. (larger part of the barrel)

#### Detail 3

End pin showing strap cap with the minor dia. of the barrel sitting flush

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### 2. Install the Transducers:

- a. Deciding where to install the transducers is really the key to great tone. Here are a few tips we have learned over the years.
  - i. Normally on the bridge plate is best for feedback resistance.
  - ii. Directly in front of the bridge pins, under the bridge is typically idea (may be a little bright for some)
  - iii. Behind the bridge pins is also good (may be a little “boomy”, and pick up more palm noise on the pins)
  - iv. Seldom is it a good idea to mount directly to the soundboard (top of the guitar). We have had reports of brace mounting, and direct soundboard mounting working well, however, this will take much trial and error especially if you use the instrument in live situations.
  - v. Typical installation will be fairly permanent. Each transducer should be glued into position with a *Cyanoacrylate adhesive* (Super Glue). We use the regular type, although we have heard good reports about the gel type. If you need to remove the system at some point, you can use double-sided tape to install the transducers. You can also use shipping tape on the bridge plate, and then install the transducers as normal.



#### Detail 1

Mount in front of the pins, under the bridge

#### Detail 2

May be mounted on standoffs

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### 3. Install the EV-1 Volume/Tone Control:

- a. The EV-1 is designed to be small enough to fit into the sound hole of most guitars. With all the versions of bracing we could not make it fit them all. We think you will find it quite easy to adapt to any variation you might find.
- b. Test fit the EV-1 inside the sound hole. Pay close attention to how it will sit. You want it to sit as flat as possible.
- c. You will notice 3 small standoffs were provided with your system. Use these as needed to develop a flush mount. To use the stand offs simply cut to length, slip them into the holes in the EV-1, and apply a small amount of the same *Cyanoacrylate adhesive* to the underside of the board to hold them in place. Once dry, you are ready to mount in position.
- d. Apply a liberal amount of hot melt glue, or other non-conductive adhesive to the backside of the EV-1 board. Stick it in place and allow proper dry time.
- e. There are many ways to mount these systems. We use hot melt glue. Its fast, and stays put. You can also use it very liberally, and avoid standoffs if you prefer. Remember, level is not critical, but secure is. Velcro is another alternative. We do not recommend the use of magnets. It adds unnecessary weight, which is an enemy of good tone.

