

#### HFN (passive) Installation Instructions

To Install the **HFN** you will need the following tools:

Drill, 3/16" 3/8" and 31/64" drill bits, fluted burr, x-acto or side cutters, needle nose pliers.

#### Installing the Endpin Jack

- 1) Slack off all six strings and remove them or tape them out of the way. Remove any end pin at the butt of the guitar.
- 2) Drill a pilot hole through the end block approximately 3/16" in diameter in the area you wish to place the end pin jack.
- 3) Using a fluted burr, chamfer the edges of the hole so that you will not damage the finish of the instrument when you use the larger sizes of bits required.
- 4) Drill through the guitar end block using a 3/8" bit and re-chamfer the hole. Repeat drilling with a 31/64" bit to complete the drilling operations.
- 5) Remove the outer strap button, and the small nut and washer from the endpin jack.
- 6) Reach inside the sound hole and poke the endpin jack through the drilled hole in the end block. The jack should protrude approximately 5/16" outside the guitar. Reinstall the flat washer and small nut.
- 7) Insert a small allen wrench or other small round (like a drill bit) through the 2 holes in the end of the endpin jack to keep the jack assembly from rotating; tighten the small nut.

#### Installing the Pickup

- 1) The pickup is meant to go as directly under the saddle as possible (and in line with it).
- 2) Reinstall both E string bridge pins. Make a mental note of about how far the saddle slot is from the bridge pins.

**Note:** For attaching the transducer unit to the bridge plate you have the choice of using one of two different mounting options: foam tape mounting or putty mounting.

The foam tape mounting is a little quicker and tidier than the putty and tends to give the most even response in most applications. The putty will transmit a little more of the highs and may be used if the instrument is dark or primarily bassy.

#### Foam Tape Mounting

- 1) Remove the backing from one side of the foam tape.
- 2) With the foam tape sticky side up on a flat surface, place the feet of the pickup over the tape and press down to make the tape adhere to the feet.
- 3) Remove the backing from the other side of the foam tape.
- 4) Using the outside E string bridge pins for a guide, reach in through the soundhole and use your fingers to judge the centering of the pickup. Try to get it directly under the saddle if possible.
- 5) Press the pickup firmly into place.

#### Putty Mounting

- 1) Place a bit of putty about the size of a pea on the bottom of each foot of the pickup.
- 2) Using the outside E string bridge pins for a guide, reach in through the soundhole and use your fingers to judge the centering of the pickup. Try to get it directly under the saddle if possible.
- 3) Press the pickup firmly into place.

#### Finishing Touches

- 1) If necessary, use a wire holder to clamp the pickup lead wire and prevent it from rattling around inside.
- 2) Reinstall the strings.

**Note:** This pickup is designed for use with a preamp.

#### 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 number.**

