

### Installation Instructions LP-15 Insider Pickup

The LP-15 is a low profile, light weight, fully RF shielded pickup. It is designed to be used on any acoustic instrument soundboard. The LP-15 Insider comes with 18 inches of shielded cable and is attached to an endpin jack.

Please read these instruction through completely before installing this pickup.

1) Two different types of mounting materials are supplied with the LP-15 Insider: VHB mounting tape for permanent installations and a light gray special mounting putty for semi-permanent installations.

2) The photo's below show suggested mounting positions for the LP-15 inside the different instruments.

3) Remove or slack off the strings and tape them out of the way.

4) In order to install the endpin jack, a ½" hole has to be drilled through the end block of the instrument. It is suggested that you use a ½" Forstner bit to start the drilling process and use it to drill through the finish and the side wood. Completion of the drilling through the end block can be done with a ½" spade bit.

5) If you have only a regular drill bit set, then it is suggested that you drill an initial pilot hole starting with about a 1/4" inch bit and work your way up carefully to the ½" final size.

6) On instruments that you can get your hand into - Remove the strap button, small nut and washer from the endpin jack. 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 instrument. Reinstall the flat washer and small nut. 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 then install and tighten the strap button.

7) On instruments where you cannot get your hand inside - Remove the strap button, small nut and washer from the endpin jack. Insert a pencil or other suitably long round through the hole in the butt of the instrument and capture the endpin jack. Use the inserted round to guide the endpin jack through the hole in the end block. The jack should protrude approximately 5/16" outside the instrument. Reinstall the flat washer and small nut. 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 then install and tighten the strap button.

#### Installing the pickup sensor

8) In order to find the proper place for the sensor, it is suggested that you first use the putty to mount the sensor. This will allow you to move it around to find the spot where the pickup sounds the best.

9) The amount of putty supplied with the pickup is about fifty times greater than the amount the you need to mount the sensor. Take a piece of the putty the size of a pea and place it on the underside of the sensor. Spread the putty over the bottom of the sensor using your thumbs. The thinner the amount of putty on the sensor, the better the pickup will work. The optimal thickness for the putty will be about 1/16" (1.5mm). Press the sensor firmly into place on the soundboard.

10) If you are going to leave the sensor installed with the putty, then the last thing that has to be done is to secure the pickup lead wire with the supplied self adhesive wire clips.

11) If you have used the putty to find the optimal location for the sensor and intend to use the VHB to permanently install the sensor, do the following:

a) Remove the sensor from the soundboard. Clean up an remaining putty on the sensor or soundboard using some masking tape.

b) Cut a piece of the VHB to the size of the sensor. Remove the transfer paper from one surface and install and press it onto the sensor bottom. Remove the transfer paper from the other surface of the VHB and install the sensor into the instrument, pressing in place in the desired location.

c) Secure the pickup lead wire with the supplied self adhesive wire clips.

