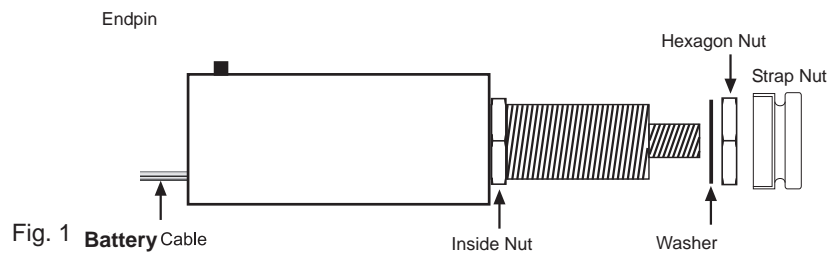


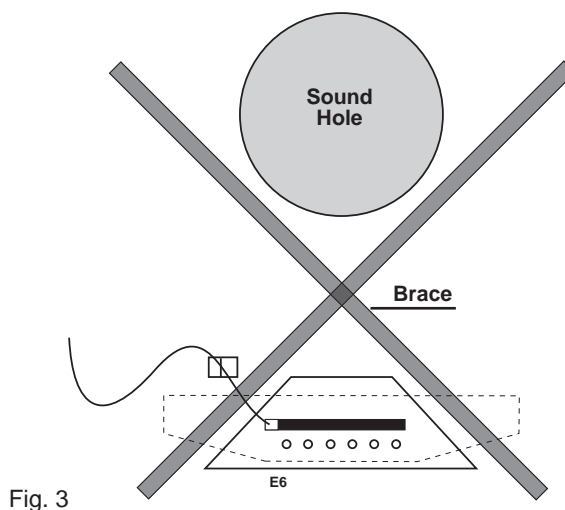
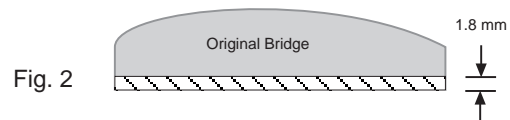
Installation Instruction for Shadow SH 889-A: Active Soundboard-Transducer and Undersaddle-Piezo- Pickup with Endpin-Preamp

Contains:

soundboard transducer,
undersaddle pickup,
endpin preamp,
battery holder,
cable holder



1. Take off strings.
2. Take off the original saddle, place the piezo pickup with the output cable towards the lower E-string (E6) and mark, where to drill the 3mm hole.
3. Remove original strap nut and increase original hole to 13mm diameter.
4. Clean up the saddle slot and eliminate the wood dust from the inside of the instrument.
5. Put the pickup-cable through the hole in the bridge and place the pickup into the bridge.
6. Accommodate the height of the original bridge.
Reduce of the thickness of the pickup (Fig. 2).
Pay attention, that the lower side has to be absolutely flat.
7. Screw the battery holder onto the base of the neck.
8. Put strings loosely on, so that you can reach the inside of the guitar.
9. Take off the protection foil from the pickup and put the pickup from the inside underneath the bridge (see Fig. 3). Pay attention that the end with the cable on the side of the lower E-string (E6) roughly 10mm overlaps.
10. Use included clips to secure battery cable to prevent noise. Use one clip near the endpin and one clip near the battery.



Montageanleitung für Shadow SH 889-A: Aktiver Soundboard-Transducer und Piezo- Steguntersatteltonabnehmer mit Endpin-Preamp

Information to step 12-15:

Because the access to the endpin after installation is very difficult, we recommend to make the phase-settings of piezo and soundhole pickup before final installation.

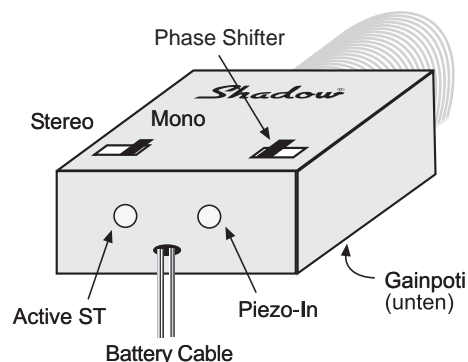


Fig. 4

12. Plug piezo pickup into the piezo-in-jack of the preamp and plug soundboard-transducer into "active-ST"-input.
13. Connect the 9V battery and secure the battery holder with the tape.
14. Tune your guitar.
15. Connect endpin preamp to your amplification system. With the "Gain Pot" you can choose volume of the two pickups. Use phase shifter for adaption of the two pickups. Choose if you want to play mono or stereo (Mono/Stereo switch). If the bass does not sound correct playing mono switch the phase shift.
16. Loosen strings again.
17. Remove strap nut, hexagon nut and washer from the endpin (Fig. 1) and put endpin with all connected cables through the sound hole.
18. Adjust the endpin height by using inside nut to the top of the base-neck and adjust so the larger threads end just below the surface of the guitar.

ATTENTION:

The larger thread has to end inside the frame of your guitar (see Fig. 2). Put the washer from the outside on the endpin jack, tighten the hexagon nut by means of a wrench and screw new strap nut on.

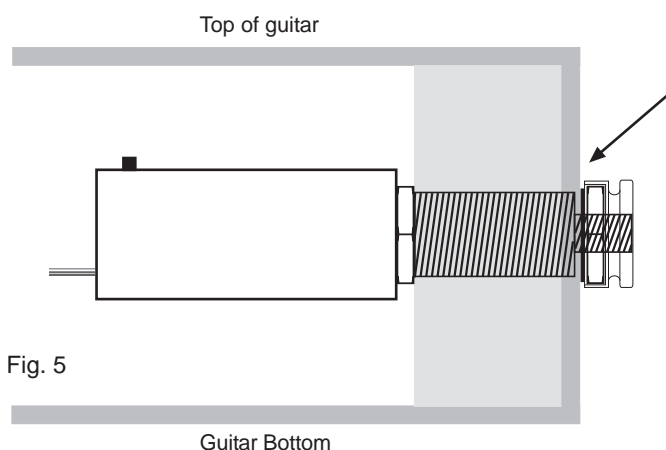


Fig. 5

19. Use included clips to secure battery cable to prevent noise.
20. The battery turns on automatically when you plug the guitar cable into the endpin. To spare with battery life, take the cable out when you are finished.