

Installation Instruction for Shadow SH EC 22 Megasonic Sound hole preamp system with microphone and piezo-pickup

Content:

Preamp with velcro,
Endpin with 45cm cable and 3.5mm stereojack,
Piezo under bridge pickup,
2.5mm jack for piezo-pickup connector,
Condensator microphone,
2 sound hole protection gums (4mm / 3.5 mm)

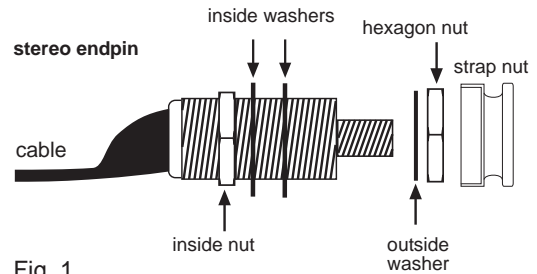


Fig. 1

1. Loosen strings and remove original endpin.
2. Increase original hole to 12mm diameter. Clean the debris from the guitar. (if you have already a signal-endpin, you do not have to drill).

Further procedure:

If you have already a bridge pickup with a 2.5mm jack, ignore No. 3-10. If your pickup does not have a 2.5mm jack, you can either get an adapter or solder the supplied jack - in this case jump to No. 8.

3. Remove original saddle.
4. Place the piezo-pickup next to the saddle slot with the wire at the bass string end and mark the spot for a 2.3mm hole. Carefully drill the 3mm hole in the bottom of the saddle slot.
5. Clean the saddle slot thoroughly and put piezo-pickup into the slot by feeding the pickup cable through the hole. Take care, that you do not pull the cable too strong. Otherwise you will damage the pickup.
6. Bring the saddle to the right height by reducing it about the thickness of the pickup. Attention: The lower side of the saddle must be absolutely flat. (Fig. 2).

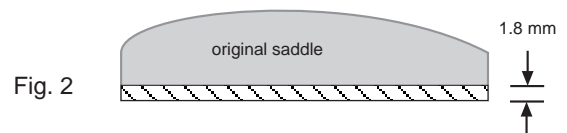


Fig. 2

7. Screw off the cap of the mini-jack and thread the pickup cable through it from back.
8. Solder the saddle cable at the connection tap of the mini-jack and the protection cable at the cable clamp (Fig. 3).

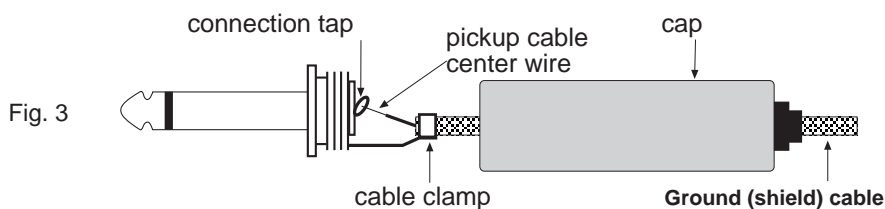


Fig. 3

9. Screw the cap back on mini-jack.

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10. Remove the strap nut and hexagon nut from the stereo endpin. (Fig. 1).

11. Adjust the endpin by using the inside nut so the larger threads end just inside the guitar:

ATTENTION: The larger thread has to be 0.5mm inside the frame of your guitar (Fig. 4, arrow).

12. Put the washer from the outside on the thread, tighten the hexagon nut by means of a wrench and screw strap nut on.

13. Put a 9V battery into the preamp and connect it.

14. Plug the mini-jack of the bridge pickup into the "IN"-input and the endpin-jack into the "OUT"-jack of the preamp.

15. Remove the tape from the velcro pad. Mount the preamp at the sound hole towards the high e-string (Fig. 5). Push the preamp with the rubber insert on the edge of the sound hole. Do not press the unit against the top of the guitar until the preamp fits the sound hole correctly. Then press the preamp with velcro against the top of your guitar.

16. Plug the microphone into the jack on the front side of the preamp.

17. Mount the original saddle back and tune your instrument. Be sure that the strings do not pull the saddle forwards (Fig. 6 and 7).

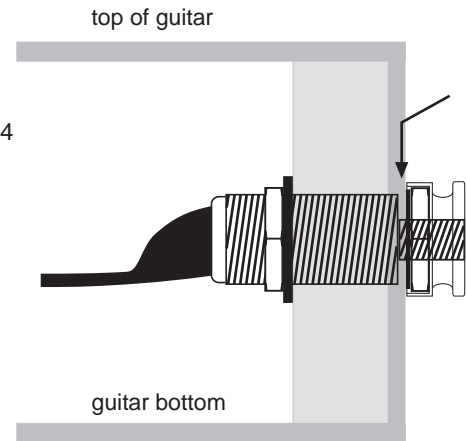


Fig.4



Fig. 5

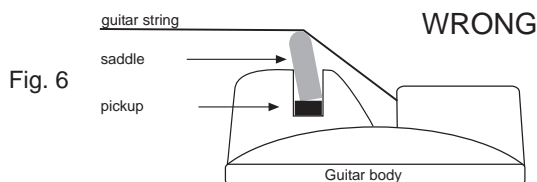


Fig. 6

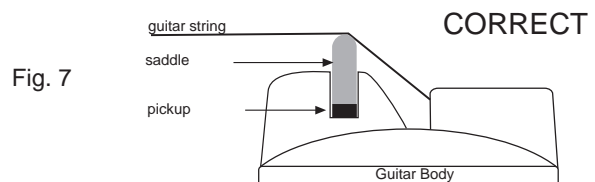


Fig. 7

19. The preamp turns on automatically when a guitar cable is plugged into the end-pin jack.

20. Even though the power consumption is only 2.5 mA we recommend that you remove the cable from the end-pin while not in use to conserve the battery.