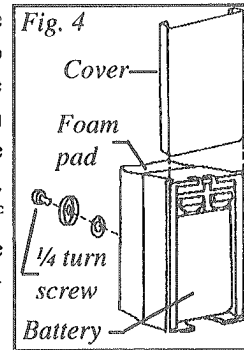


The output PCB design also includes a preset EQ curve which shapes the pickup's signal into a very musical timbre ready to be tweaked at your amp or mixer.

Battery Holder

The battery holder is mounted to the bowl on the treble side of the upper bout with a ¼ turn fastener (see fig. 4). To prevent vibration, a rubber pad is bonded to the rear of the holder. To replace the battery, loosen the strings and reach through the sound hole to hold the battery case with one hand while turning the mounting screw counterclockwise. Once you have access to the holder, slide the case cover off of the assembly and replace the battery being sure to note the correct polarity. Once the new battery is installed, installation is the reverse of disassembly.



Repair Information

Please read the TS preamp owner's manual carefully. It will fully acquaint you with the features and operation of the unit. Most malfunctions are rooted in mechanical components. Since there are a limited number of such components, the TS preamp should be exceptionally reliable. However, the output jack, battery condition and connections, as well as interconnect wiring would be the first places to look. **Please note:** to make the proximity sensing reliable and to reduce unintentional triggering, a firm touch to the desired level icon is required. This essentially spreads out the finger over the correct sensing pad and results in a positive trigger to the sensing circuit.

Disassembly/Assembly

When replacing any element of the preamp, you must loosen or remove the strings to allow access to the interior of the guitar. Removal of the audio output board is also required. This allows easier inspection and testing of all connectors as well as making possible the replacement of the flex PCB.

To extract the output PCB, remove the strap button by turning counterclockwise with pliers jaws that have been lined with non-marring material (like leather) so as not to scratch the button. Next, remove the jack nut and washer. Reaching into the sound hole, pull apart the Velcro holding the flex ribbon cable to the sidewall of the bowl and then remove the battery cable from its management clip. Now you can pull out the output board and unplug the connectors. Take care to disconnect the flex cable and note its orientation. Grasp firmly and pull straight out to remove it from the connector.

Replacing the flex PCB is simple, but requires care to **avoid accidental tearing of the circuit board**. As previously mentioned, the flexboard is mounted to the bass side of the bowl on the upper bout with pressure sensitive adhesive. This adhesive is fairly