

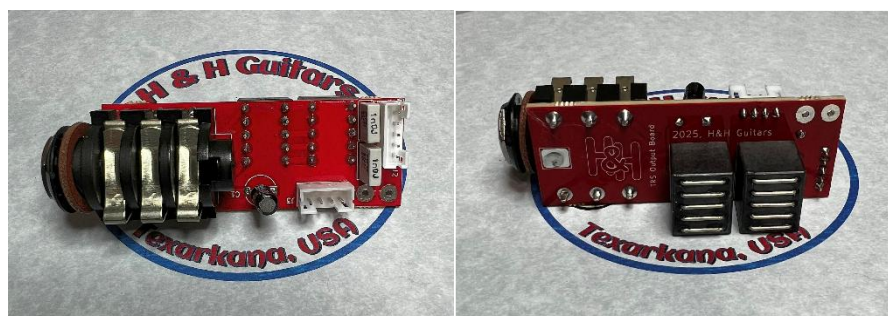


TRSO-1

Replacement Printed Circuit Board for the OEM Line6® Variax™ 300/500/600/700 TRS Output (Power In/Audio Out – ¼" Jack Assembly)

For the "Gen 1" (Original) Variax™ Models (300e/500e/600e/700e), the TRS Jack in the VDI connector assembly is identical. It is built onto a subassembly (L6# 50-00-0161) that includes a Printed Circuit Board and some filtering components. Other than a few minor modifications, this subassembly has remained unchanged from the first production models.

The easiest way to replace a worn or corroded TRS jack is to replace this subassembly. To do so, this TRS PCB subassembly is unplugged and unscrewed, and a new subassembly is installed. Soldering, and minimal mechanical skills are required, but it isn't difficult. The TRSO-1 subassembly, made by H & H Guitars, is an excellent replacement. This subassembly will replace the OEM Variax™ subassembly with identical functionality and will supply the necessary connections to the Main Printed-Circuit Board (MPCB) in the guitar.



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Installation of the **TRSO-1** is simple and easy; but soldering skills and minor disassembly and reassembly of the guitar are required. It does, however, require attention to details and involves a fragile (and hard to repair) part of the guitar; the plastic "Shell" (**L6# 30-27-0052**) that houses the connectors).

The steps involved in replacement are (in general):

- 1) Remove the TRS/VDI Connection Assembly by removing the 4 wood screws.
Be extremely careful with the plastic "Shell" for the connectors; these are often fragile and break around the screw-holes. These plastic pieces are almost impossible to source and replace (we're working on producing a 3D-printed version).
- 2) Unplug the 5-pole JST-PH connector and the ground connector (green wire).
- 3) Unsolder the ground strap on the underside of the PCB.
- 4) Unscrew the Hex chrome nut from the outside of the TRS connector and remove the PCB subassembly from the "Shell."
- 5) Place the **TRSO-1** into the same orientation, and install the Hex chrome nut through the "Shell" and into the TRS jack. Be careful to line the grounding washer up so that the nut tightens properly and the solder joint is aligned.
- 6) Solder the ground strap to the underside of the **TRSO-1**.
- 7) Plug the 5-pole JST-PH connector and the ground connector (green wire) into the **TRSO-1**, observing proper orientation (the plugs are polarized).
- 8) Replace the TRS/VDI Connection Assembly into the guitar, and replace the 4 wood screws. Put all 4 screws in place before tightening any. *Again, be extremely careful with the plastic "Shell" for the connectors.*
- 9) Make sure that everything fits into place, and that a TRS/TS plug can be fully inserted into (and removed from) the new jack.
- 10) Play!



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