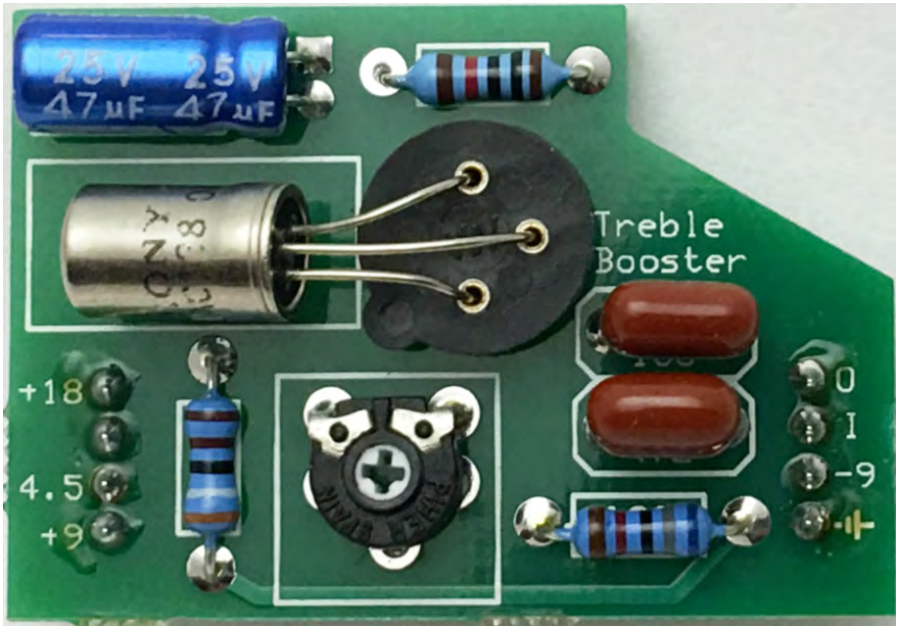
Build Your Own Clone Crown Jewel Treble Booster Module Instructions



Parts list for the Crown Jewel Treble Booster Module Pack

Resistors:
1 - 3k9 (Orange/White/Black/Brown/Brown)
1 - 10k (Brown/Black/Black/Red/Brown)
1 - 68k (Blue/Gray/Black/Red/Gold)

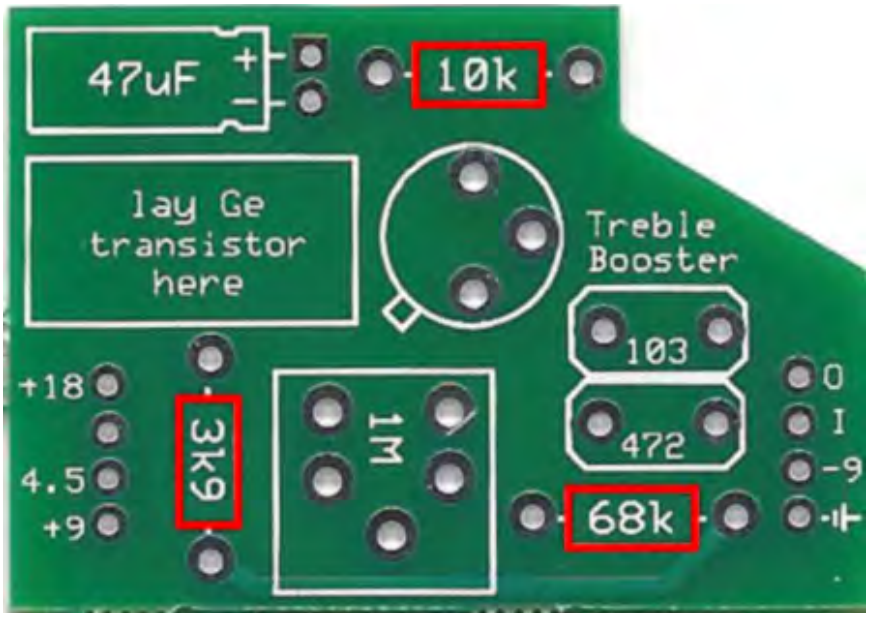
Capacitors:
1 - .0047/472 Film Cap (May say "472" on the body)
1 - .01uF/103 Film Cap (May say "103" on the body)
1 - 47uF Electrolytic

Transistors:
1 - AC128 or similar Germanium Transistor

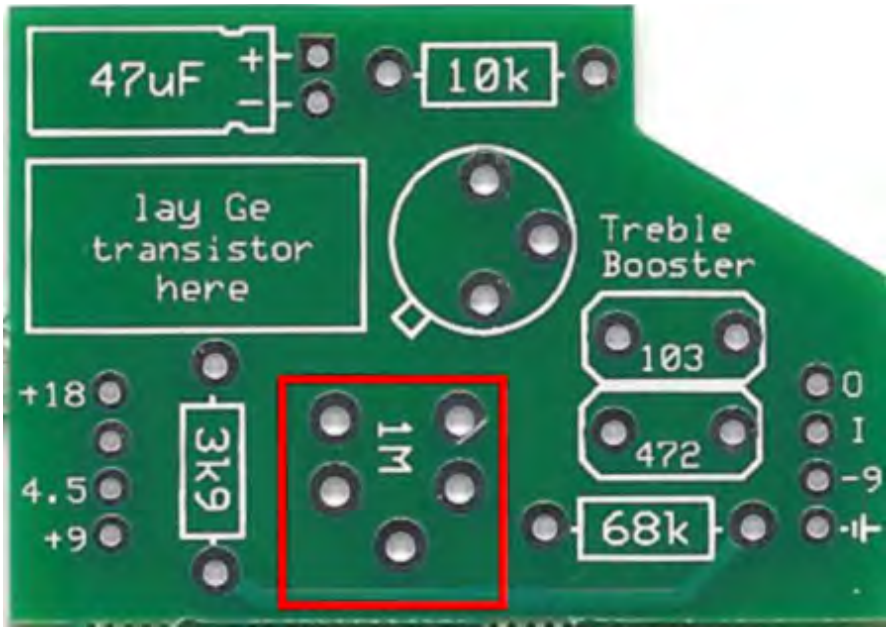
Potentiometers:
1 - 1M Trimpot

Hardware:
2 - 1X4 pins

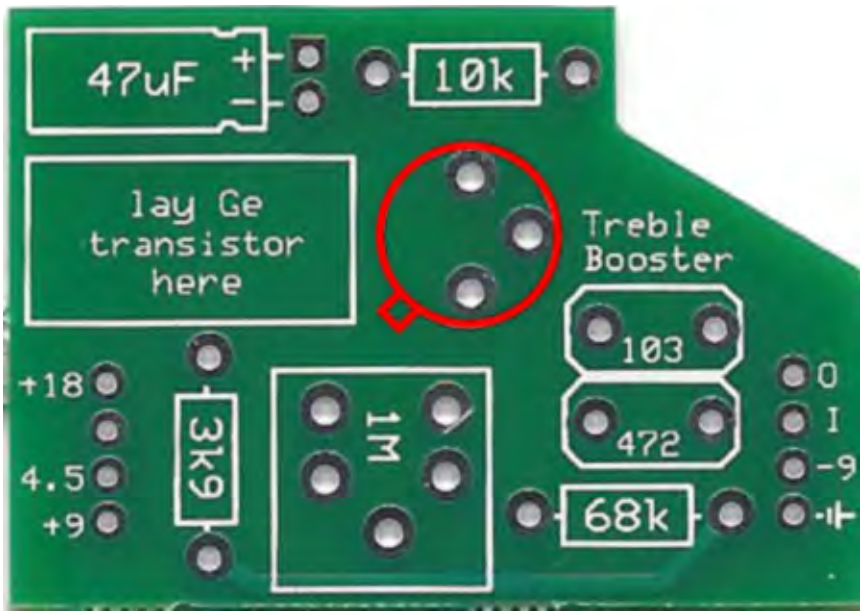
Step 1: Add the resistors. These are not polarized and can go in either direction.



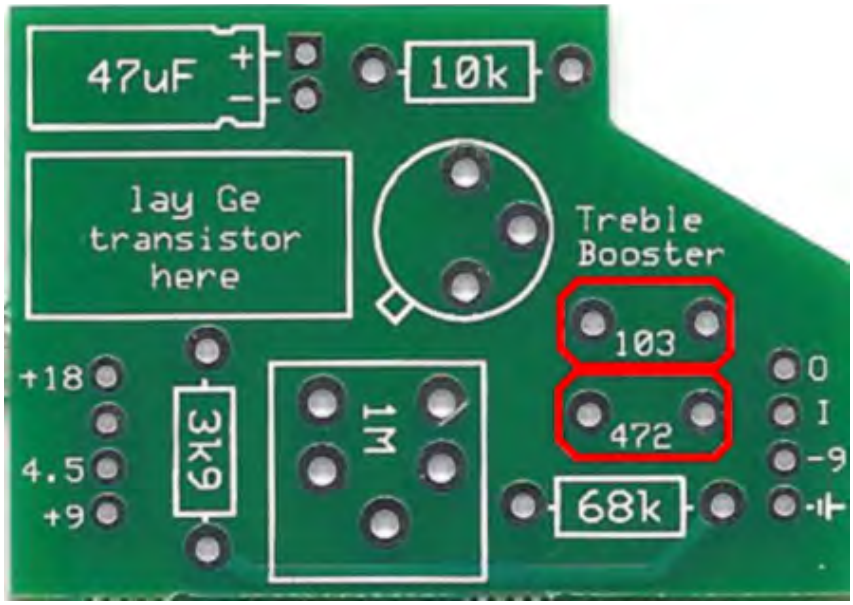
Step 2: Add the Trimpot. The PCB has 5 holes. This is to accommodate various sizes of trimpots. You will only be soldering three of them.



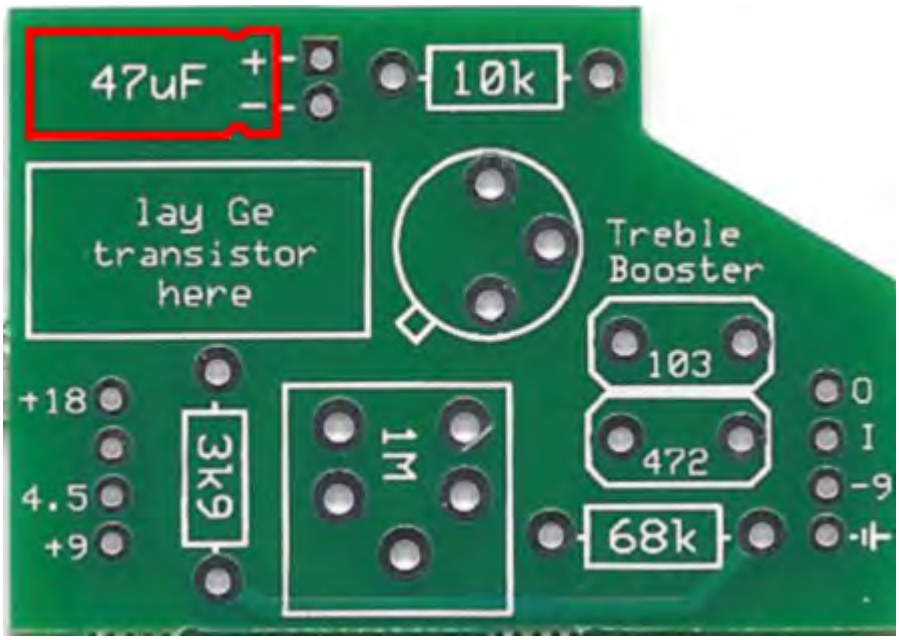
Step 3: Add the transistor socket. Be sure to match the tab on the socket with the tab outline on the PCB screenprint. You will lay the transistor on the board after you have placed it in the socket.



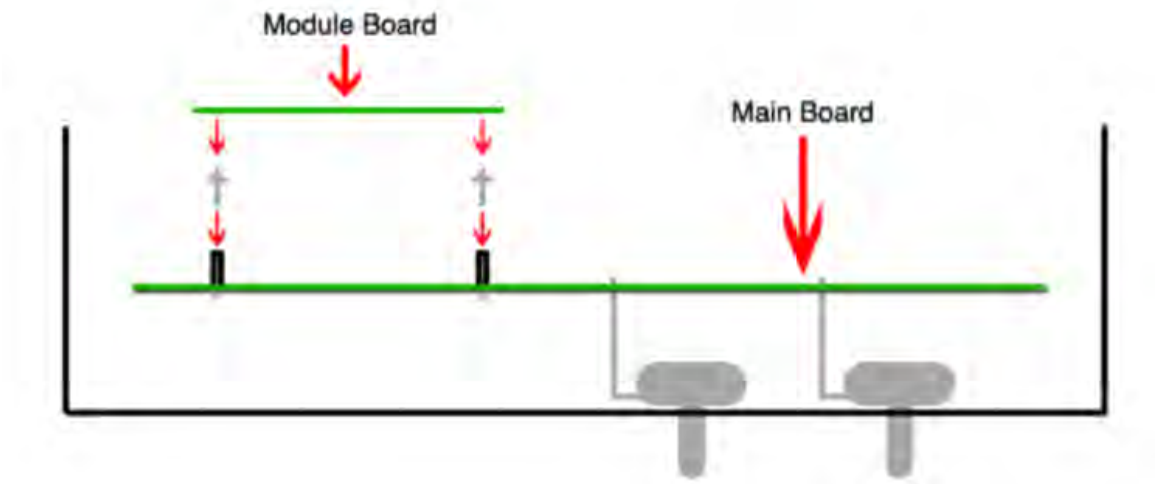
Step 4: Add the Film caps. These are not polarized and can be placed in either direction.



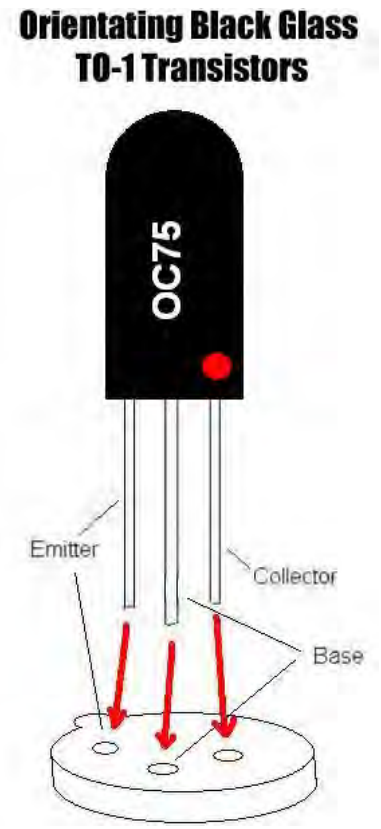
Step 5: Add the electrolytic capacitor. Before soldering, bend the capacitor so it lays flat along the screenprint outline.

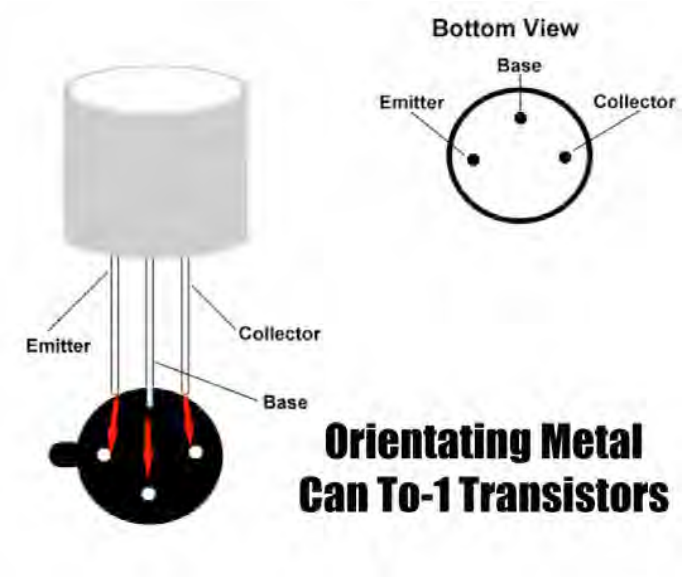


Step 6: Insert the pins into the Crown Jewel header spots as shown below be sure to place the longer end of the pins into the headers. Once the pins are placed, guide the module board onto the pins and press down slightly so the module is sitting flush on the pins. Solder the top-side of the module at the pins. This helps align the pins and headers to the module board.



Orienting Transistors




Bottom View
Base
Emitter
Collector
Emitter
Collector
Base
Orientating Metal
Can To-1 Transistors

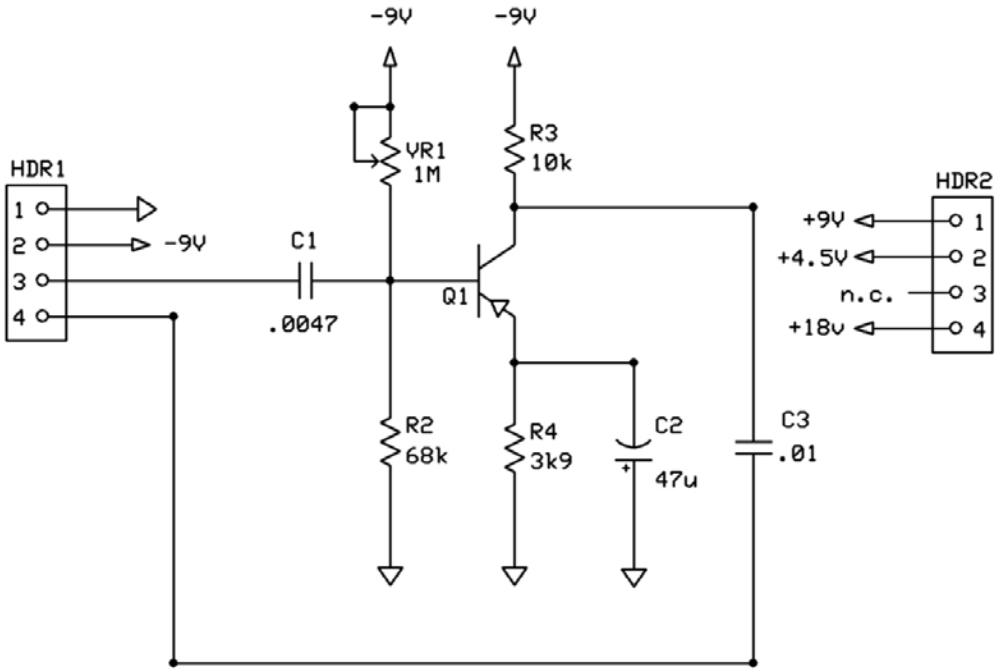
Step 1: Install the transistors

Black Glass transistors will have a red dot that denotes the collector.

If a Metal Can transistor does not have an emitter tab, it will not have any obvious markers to help you orient. However, the leads will always be configured in an offset triangle. If you follow the diagram above, this should make it easy for you to properly orient your transistor.

If any of this is horribly confusing to you, DON'T FREAK OUT!!! Just remember that you will not damage your transistor if you install it into the socket with the orientation incorrect. Install the transistor as best you can, plug the pedal in, and test it. If it doesn't work, try again. Or send us a pic of how you oriented the transistor, and we'll help you out.

Do not solder the transistors. Simply push the lead wires into the appropriate socket holes. The transistor socket hole with the tab next to it will be the emitter. The lead wires on the germanium transistors will be rather long, so you will want to clip off the excess. But be sure to leave enough so you can bend the transistor down and out of the way when you seal the enclosure. But do not clip the transistor leads until you have tested your pedal and know that it works.



Build Your Own Clone		
Crown Jewel/Treble Boost Module		
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