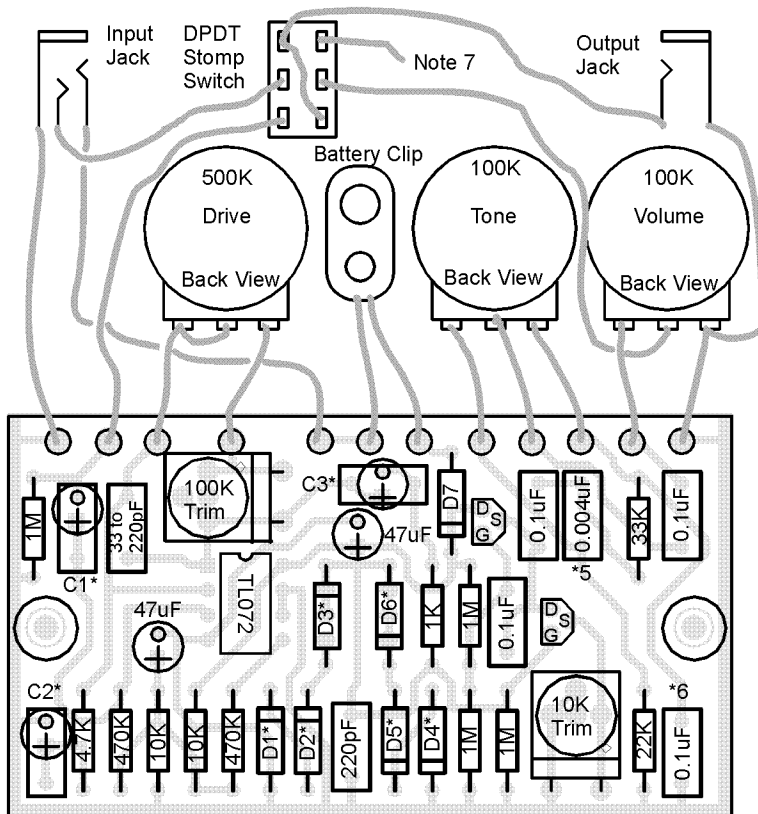
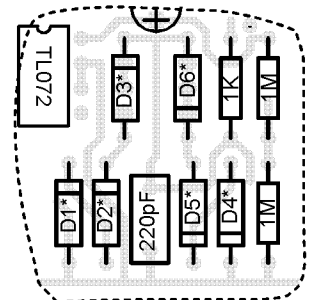


# Aron Nelson's Shaka Brada III

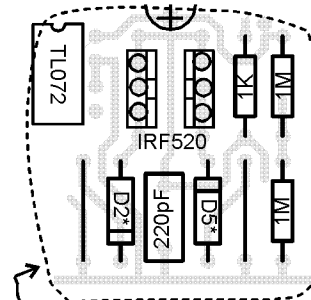
See the schematic at Aron Nelson's Stompbox page,  
<http://www.geocities.com/BourbonStreet/Delta/2133/stompbox/shaka3.jpg>  
 Direct technical questions to Aron's Stompbox Forum,  
<http://www.InsideTheWeb.com/mbs.cgi/mb569155>



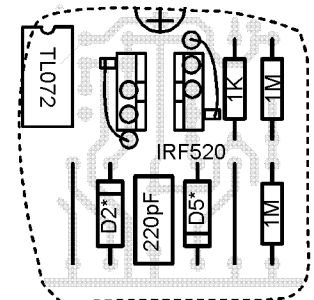
Clipping diode variations -  
 See Note 8 for information  
 on connections!



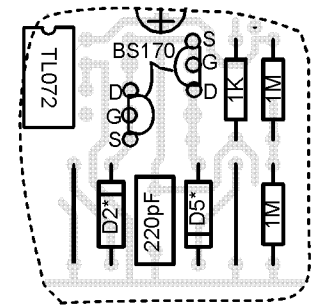
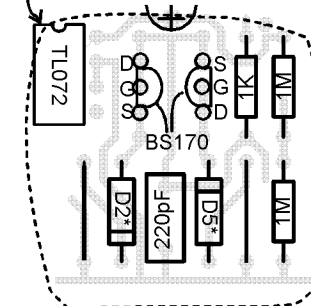
Three diode pairs version



G-D diode connection versions



Reverse diode connection versions



## Notes:

C1, C2, C3 - Tune these to your taste in the range of 0.01uF to 0.1uF. Bigger Caps = more bass.  
 D1-D6 - Substitute for these diodes to your taste. See the schematic for information. The PCB layout deliberately has more holes than you'll need, so you can install different diodes for different sounds.

**Note 7** - The wiring is shown correctly for the Millenium Bypass, either version 1 or 2. All you need to do is to build the Millenium circuit on perfboard or a tiny PCB and hook it up to power, ground and this wire. See <http://www.geofex.com> for how to build the Millenium Bypass 1 and 2.

**Note 8** - To connect up the MOSFETs, use only the holes with circles on them. For the reverse-diode connection of IRF520 (Aron's Favorite), you must bend the gate lead forward not down into the PCB, and use a jumper wire to the indicated hole in the PCB. *Note that the diode polarities change depending on the connection.*

## Parts list

### Resistors

1K - 1  
 4.7K - 1  
 10K - 2  
 22K - 1  
 33K - 1  
 470K - 1  
 1M - 4

### Pots

10K trim - 1  
 100K trim - 1  
 100K lin - 1  
 100K log - 1  
 500K log - 1

### Capacitors

220pF \* - 2  
 0.1uF \* - 5  
 0.01uF\* - 1  
 0.004uF - 1  
 1uF \* - 1  
 47uF - 2

### Semiconductors

TL072 or 4558 opamp - 1  
 J201 JFET - 2  
 1N4148 or 1N4001(D7) 1  
 D1-D6 - See Schematic

### Miscellaneous

Stomp Switch  
 Input Jack  
 Output Jack  
 Hookup Wire  
 Enclosure (fits Hammond 1590BB)  
 Knobs  
 Battery Clip