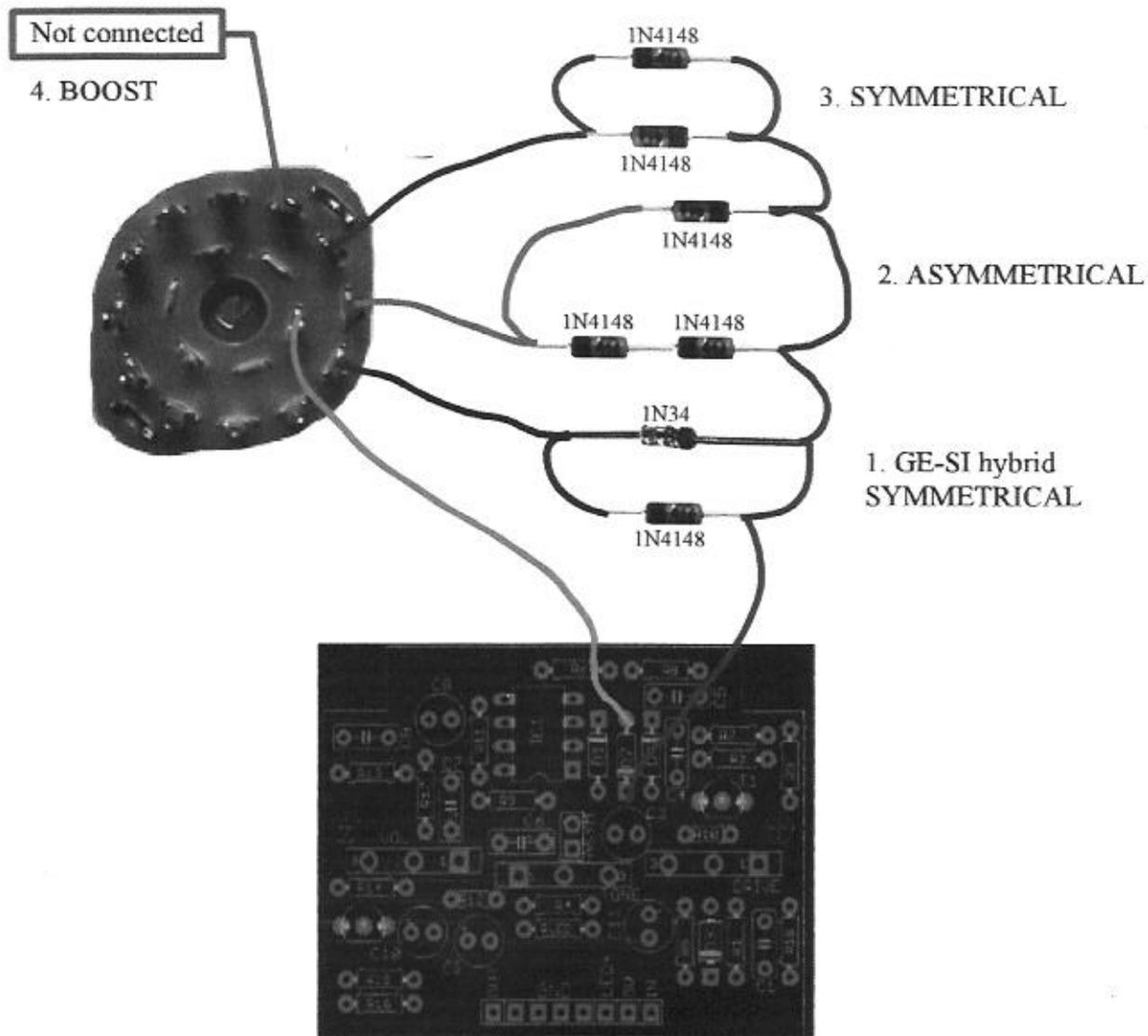


SELECT CLIPPING WITH ROTARY SWITCH



A 3P4T switch is shown in the picture, of course a SP4T is enough

Picture above is an example of a clipping diodes arrangement we tested:

- 1st position is a hybrid germanium-silicon clipping configuration.
- 2nd is asymmetrical with 3 silicon diodes 1N4148
- 3rd is symmetrical with 2 silicon diodes 1N4148
- 4th unconnected

With 4th T-Screamer will behave like a regular clean booster. Other 3 positions will help select between different tonal shapes, each of them owing its distinct character.

We tried other types of PN junction devices in there and this is our report:

- don't use LEDs, they have none or little effect on sound
- different germanium diodes sound much the same, the same goes when trying the base-emitter junction of a germanium transistor as a diode
- with 2 ge diodes the output level drop is too high, that's why the ge-si hybrid
- we tried zeners with good result, it's worth a try experimenting with them
- we didn't try FET but it would be worth testing them