



Marshall BluesBreaker Guitar Effect Replica Modifications

Version 2019 July 17

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King of Tone-Type Mods

These modifications are covered with a set of diagrams (Schematic and Layout Diagrams) on the BluesBreaker Project Page, so they are shown separately within those diagrams. Basically they are an added set of clipping diodes after the IC stages and a series resistor into the Gain control. Both sets of clippers are selectable by switches. There is also a "Presence" control added to the tone control network to tone down the treble that may take some of the harshness off going into some amplifiers

Morning Glory-Type Mods

These modifications are covered with a set of diagrams (Schematic and Layout Diagrams) on the BluesBreaker Project Page, so they are shown separately within those diagrams. Basically the modifications are: a small cap in the IC feedback loop to mellow the tone a bit and the circuit is followed by a FET booster to bring back some luster to the sound after the Tone Control (You can see a similar thing in the Rat and Red Fuzz Distortion pedals).

Clean Boost or Clipper Switching Modifications

The PCB is equipped with pads for switching in and out the feedback clipping and the Post-IC clipping. To get a clean boost, just switch off the clipping

Combinations

There are **a lot** of variations you can build into this with the various clipper switches. A DPDT on-off-on switch can be used to select either set of clippers or none for a cleaner boost sound or you can have separate SPST switches for each. They can be internal DIP switches (on a perf board) or mounted on the top of the pedal.



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More Gain

Change R10 from a 220K to a 330K to get a slightly more gain .

More Bass in the Tone

Change C8 & C9 from the stock 0.01uf capacitors to a 0.022uf capacitors. It will make the tone control work better for some guitar/amp combinations & has a little more bottom end

Want to contribute? If you are happy to share your modification information with other builders, contact us at info@generalguitargadgets.com. If the modifications pass our review we will add it to this file for all to enjoy!