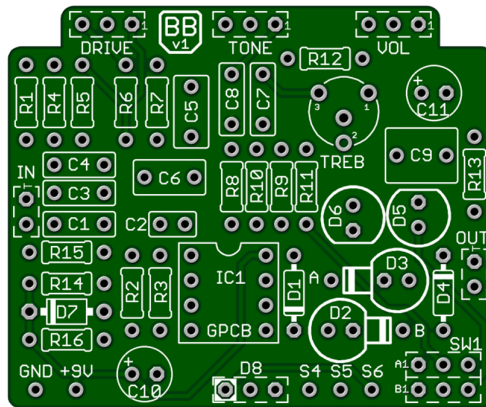


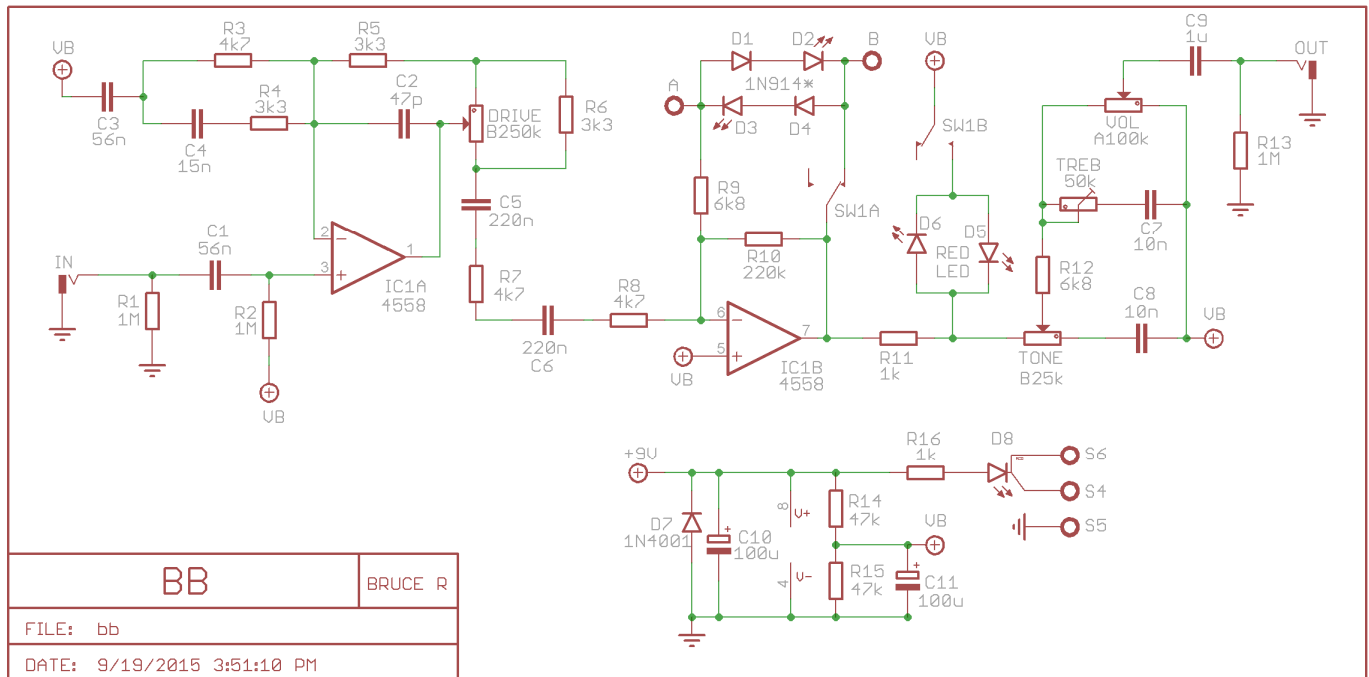
Blues Buster

As the name implies it replicates tones found in the classic pedal based on the classic Marshall amplifier Blues Breaker. In typical GuitarPCB fashion it also does a whole lot more now.

- Clipping options all Distinctive & Level Matched
- On-Board Treble Trimmer to suit any rig
- A/B Pads added for your Modding pleasure
- Add an AfterBlaster for Morning Glory Style Mod
- Create other known Boutique Combos



Board Dimensions (W x H) 1.96" x 1.62" with notched corners.



BB

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Part	Value	Part	Value	Part	Value	Part	Value	Part	Value
R1 - 1M		R9	6k8	D1	1N914	C1	56n	C9	1u
R2 - 1M		R10	220k	D2-D3	LED or 1N914	C2	47p	C10	100u
R3 - 4k7		R11	1k	D4	1N914	C3	56n	C11	100u
R4 - 3k3		R12	6k8	D5-D6	Red LED	C4	15n	SW1	DPDT ON-ON
R5 - 3k3		R13	1M	D7	1N4001	C5	220n	TONE	B25k
R6 - 3k3		R14	47k	D8	Bi-Color CA LED	C6	220n	TREB	50k Trim
R7 - 4k7		R15	47k			C7	10n	VOL	A100k
R8 - 4k7		R16	*1k8	IC1	4558	C8	10n	DRIVE	B250k

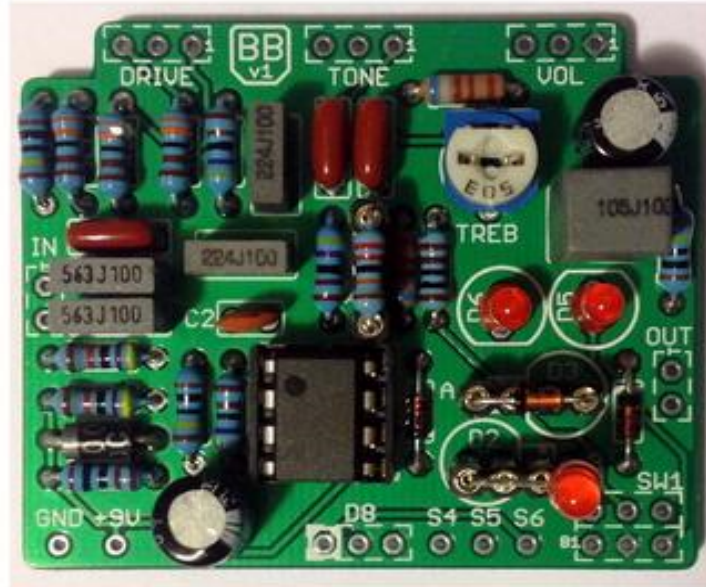
Blues Buster as the name implies replicates tones found in the classic pedal. In GuitarPCB fashion it does much more! The main controls are Volume, Tone & Drive. A highly flexible boost/overdrive pedal based on the classic Marshal Blues Breaker™. With the drive rolled down, you'll get a transparent gain boost. As you turn it up, the effect transitions smoothly from a clean boost to overdrive.

Build Notes:

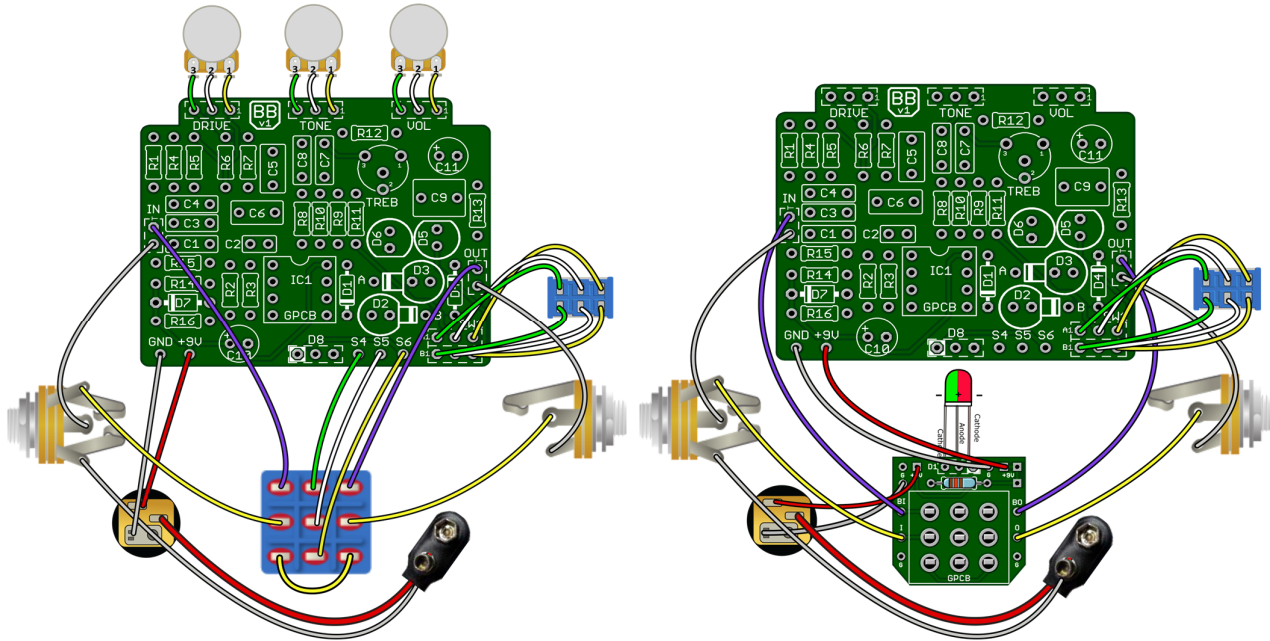
Treble Trimmer: With the Treble Trimmer you may dial in any Guitar/Amp package so it is perfect for Humbuckers, Single Coil or P90's. We've taken the original design to a new level. The trimmer can also be an enclosure mounted pot. (See below)

You can use any configuration of clipping diodes you prefer. We also added convenient A/B pads for the modders out there. Please note that if you use the configuration as displayed in the photo below (LEDs on one side) and (3 silicon diodes with one LED) in tandem on the other side not only will you end up with two unique and useful tones but when you switch from one clipping mod to the other there is no noticeable difference in volume!

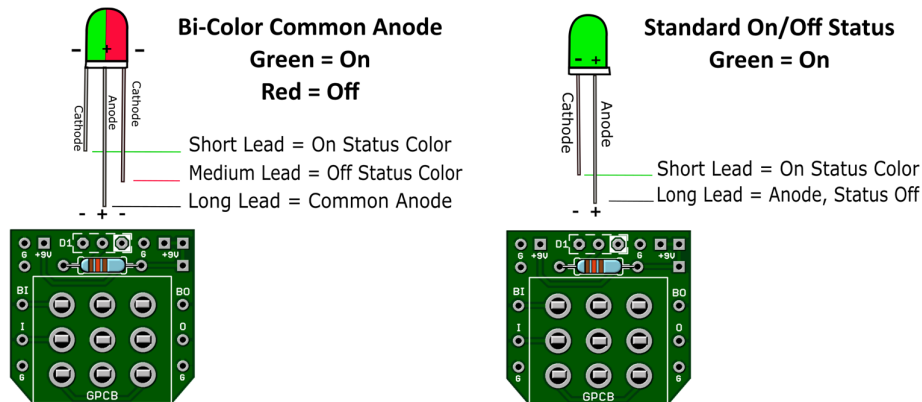
Populated board example:



Wiring Diagram:

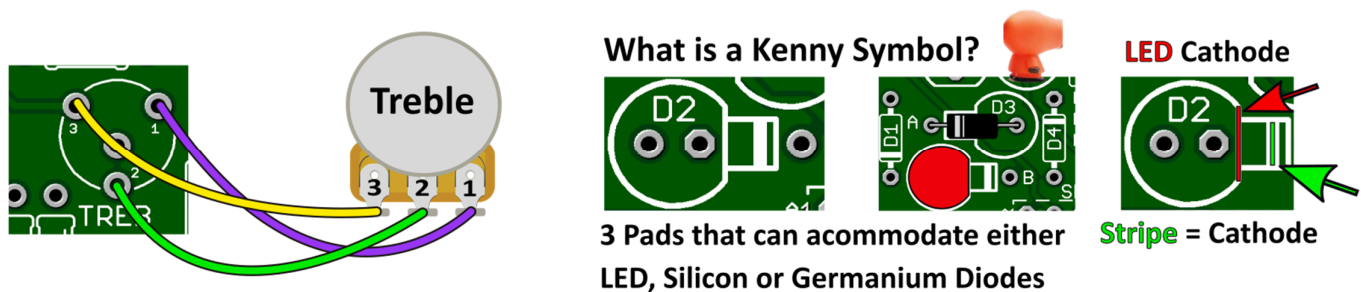


STATUS LED



Note: If wiring the LED to our 3PDT board no need to connect S4, S5 & S6 or populate D8 or R16 (CLR) on the main board since you are wiring your LED directly to our board.

Direct Online Link: [3PDT Wiring Board Build Document](#)



You may hand wire an enclosure mounted pot or use a trimmer for a set and forget application. The choice is yours.

Note: Kits will only come with a Trimmer.

This board features a Kenny symbol so that you may incorporate your favorite clipping options easily. (see build notes)

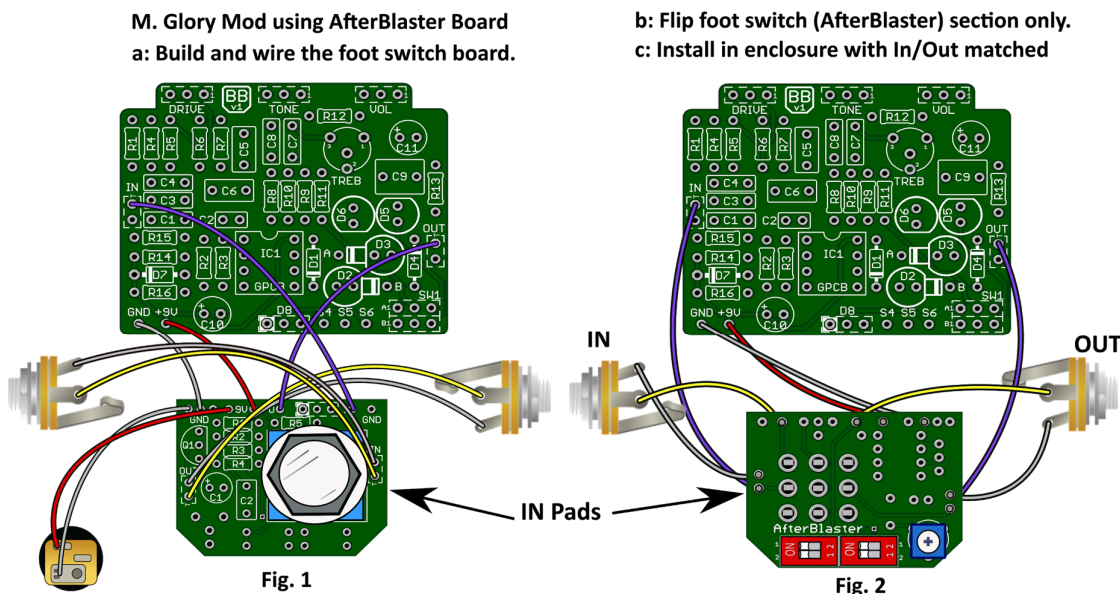
Mod 2 (M. Glory Mod in the style of JHS):

Add an **AfterBlaster** to your order which adds an extra **2N5457** transistor stage to get an **M. Glory Style Tone** you have been wanting to try and will fit in the same enclosure. The amount of gain is also uniquely adjustable.

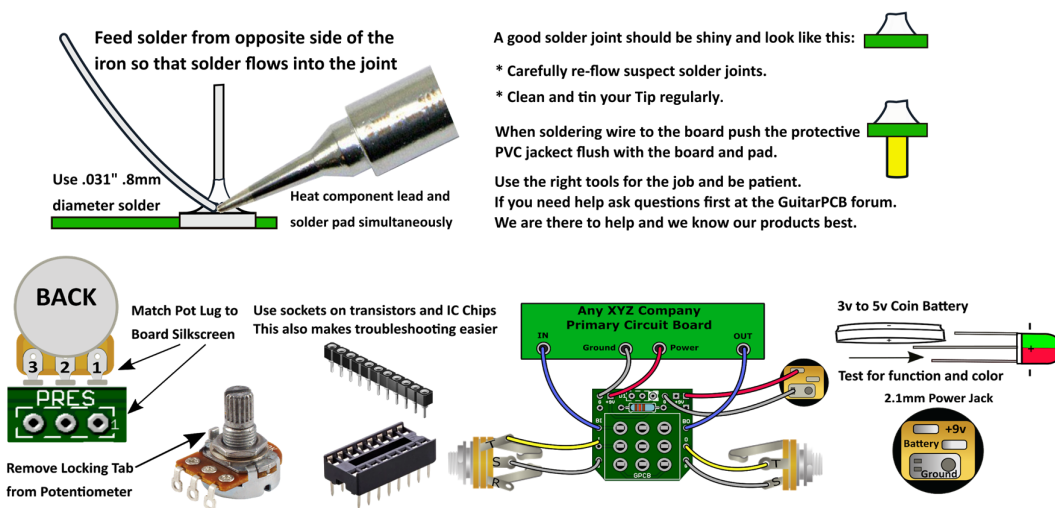
The **AfterBlaster** below can be used instead of your standard footswitch giving you an extra 2N5457 stage in series after the main circuit while leaving plenty of room for the main circuit above. The **AfterBlaster** also has dip switches and its own volume control to adjust the exact amount of gain you would like (how cool is that?) or turn it off via the dip switches to hear the difference or return to a more stock unit with ease.

Simply socket **R4** and find the correct resistor (a jumper to 3k) using a DMM to achieve **4.5v** to **5v** on the Drain leg of **2N5457**.

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The In/Out wiring off the AfterBlaster (yellow & purple) is crossed in Figure 1 so that the In/Out pads and Jacks will match the Blues Buster In/Out pads when the AfterBlaster is flipped over as in Figure 2.



Need a kit?

USA – Check out [PedalPartsAndKits](#) for all your needs.

Europe – [Das Musikding](#) carries both boards and kits as a service to our Europeans friends.

Australia - [PedalPartsAustralia.com](#) carries GuitarPCB Boards and Kits direct.

If they do not have a KIT listed send them a note asking if they can help you out.



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