

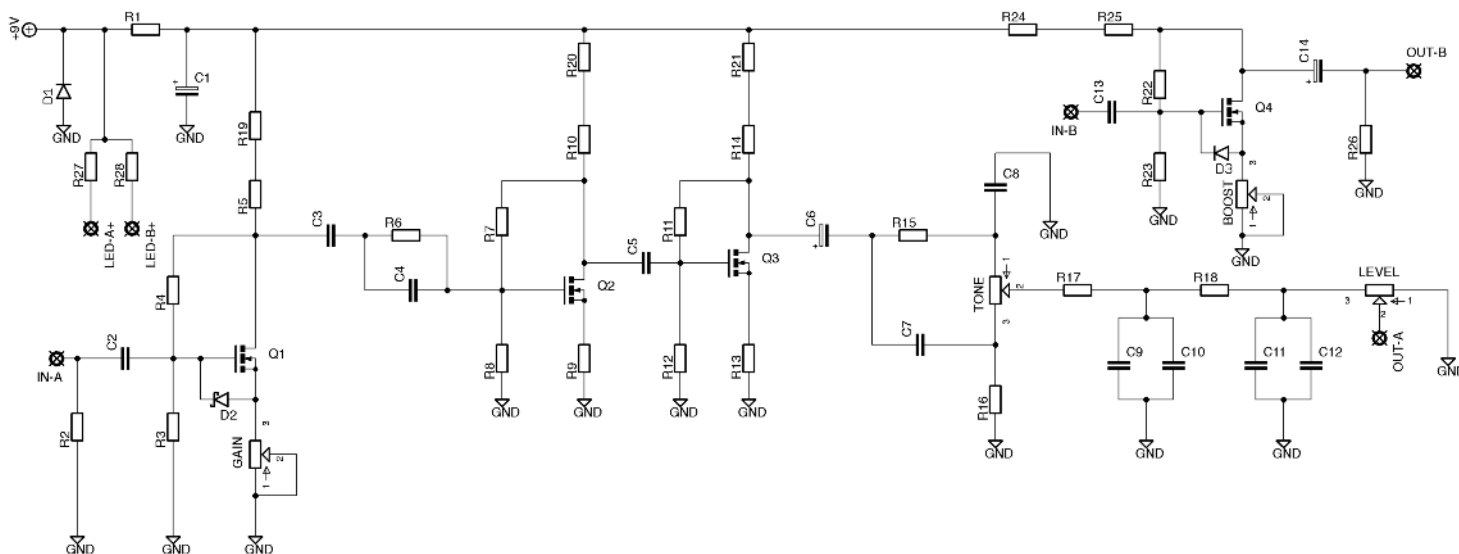


Rock Box

Full-on Rock Distortion
with a nice post-Boost

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Schematic

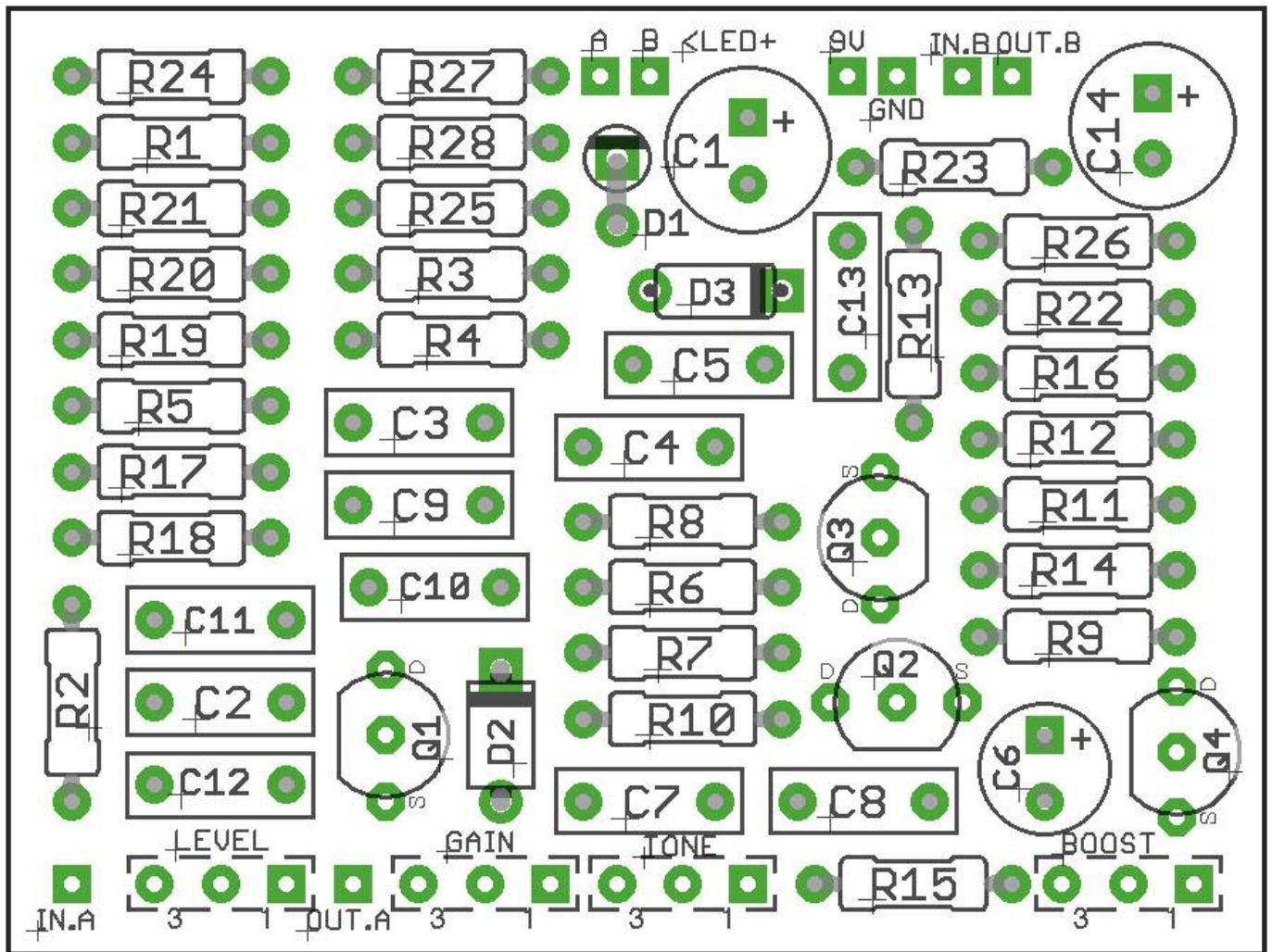


BOM

R1	82R	C1	47u
R2	1M	C2	100n
R3	1M	C3	22n
R4	1M	C4	470p
R5	1K2	C5	22n
R6	470K	C6	1u
R7	1M	C7	10n
R8	1M	C8	22n
R9	100R	C9	1n
R10	1K2	C10	1n
R11	1M	C11	1n
R12	1M	C12	1n
R13	330R	C13	100n
R14	1K2	C14	10u
R15	47K	Q1-4	BS170
R16	82K	D1	1N4001
R17	10K	D2	9.1v zener
R18	10K	D3	1N4148
R19	3K9	GAIN	5KC
R20	3K9	TONE	100KB
R21	3K9	LEVEL	100KB
R22	1M	BOOST	5KC
R23	1M		
R24	3K9		
R25	1K2		
R26	47K		
R27	2K2		
R28	2K2		

Ok, hands up. I did a silly. In my defence I was on a lot of head-mash painkillers when I drew up the schematic. I followed the one I had to hand from La Revolution Deux (great site by the way) and in the heady netherworld of the wee small hours I didn't question the four sets of series resistors. I can only assume Fred didn't have 5K1s to hand when he did the schematic so made them up with a 3K9 and a 1K2, which is what is on this build. Makes no difference other than four extra resistors to solder and a very red shamey face on me. I'm off the painkillers for now. It won't happen again. Honest.





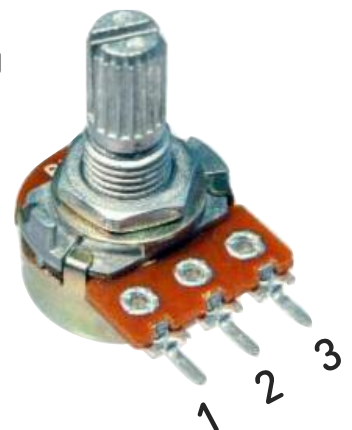
As the GAIN and BOOST controls on this babe are actually Boner Boost circuits, they will produce a crackle when you adjust them. This is normal. Panic not.

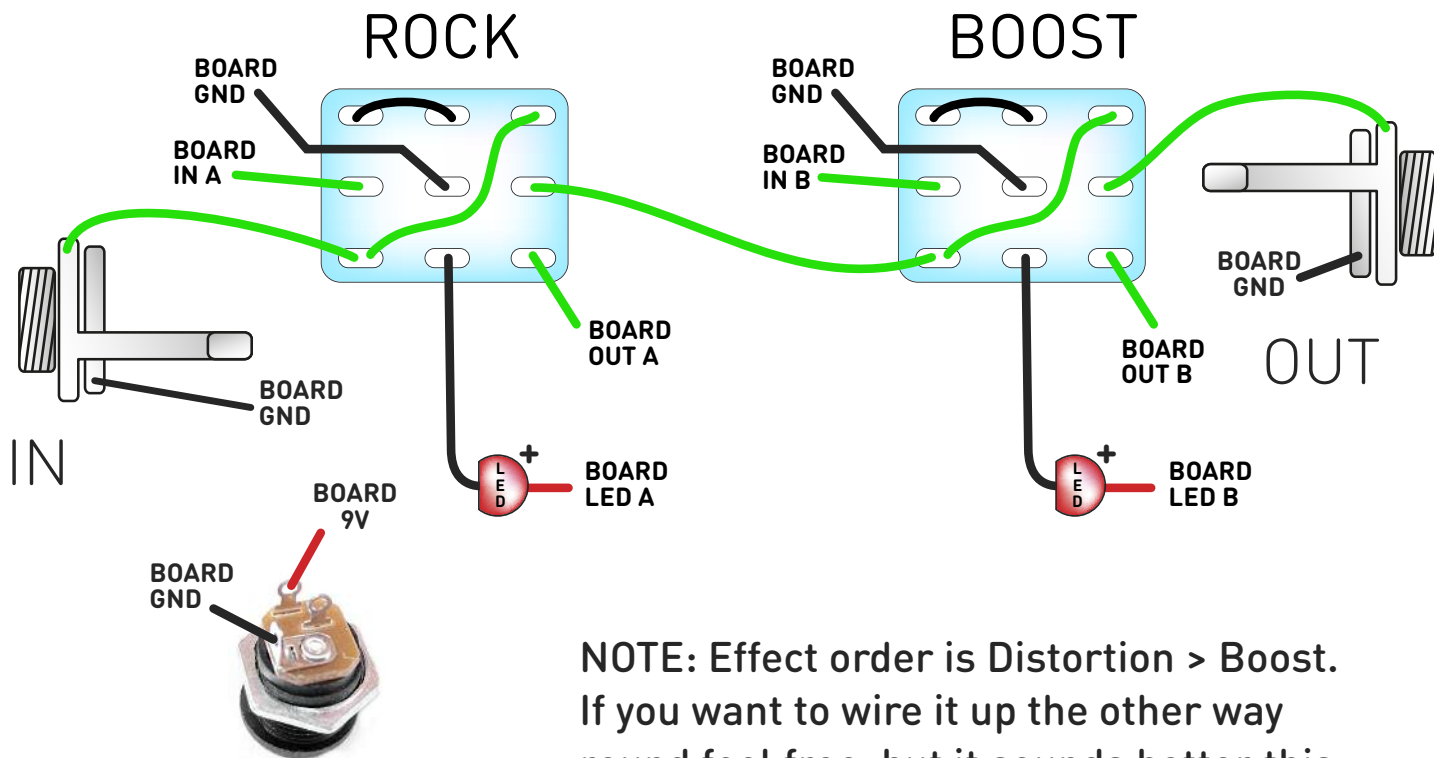
At full crank this circuit puts out a LOT of signal, so always start off with the 'BOOST' turned right back.

Wiring shown overleaf will disconnect the battery when you remove the jack plug from the input, and also when a DC plug is inserted.

Snap the little metal tag off the pots to mount them flush in the box.

You MUST use some kind of heat sink on the legs of the diodes and the BS170s when soldering. They aren't keen on heat. Any more than 3-4 seconds of iron and they're toast.





NOTE: Effect order is Distortion > Boost. If you want to wire it up the other way round feel free, but it sounds better this way round (as per the original).

Wow, look at that. You can use either circuit on its own. Click in the BOOST section and you're rockin' a Boner Boost. NICE!

All points marked BOARD GND need to connect together. Somehow. They don't have to all clump together - you can daisy-chain them around the build.

This circuit is standard, Negative GND. Your power supply should be Tip Negative / Sleeve Positive. That's the same as your standard pedals (Boss etc), and you can safely daisy-chain your supply to this pedal.

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