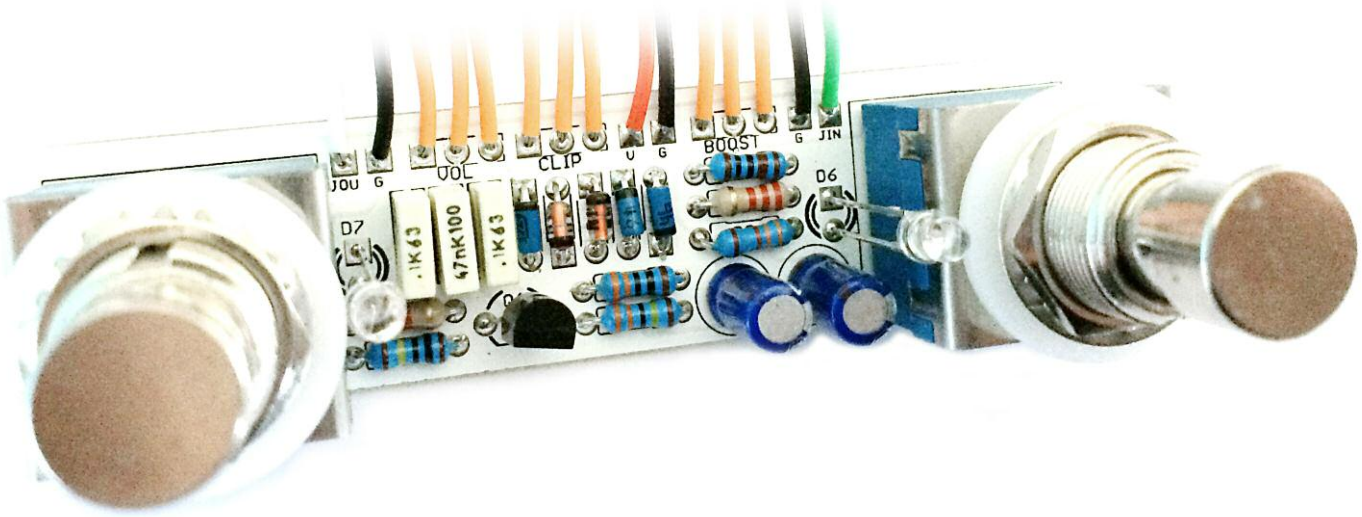
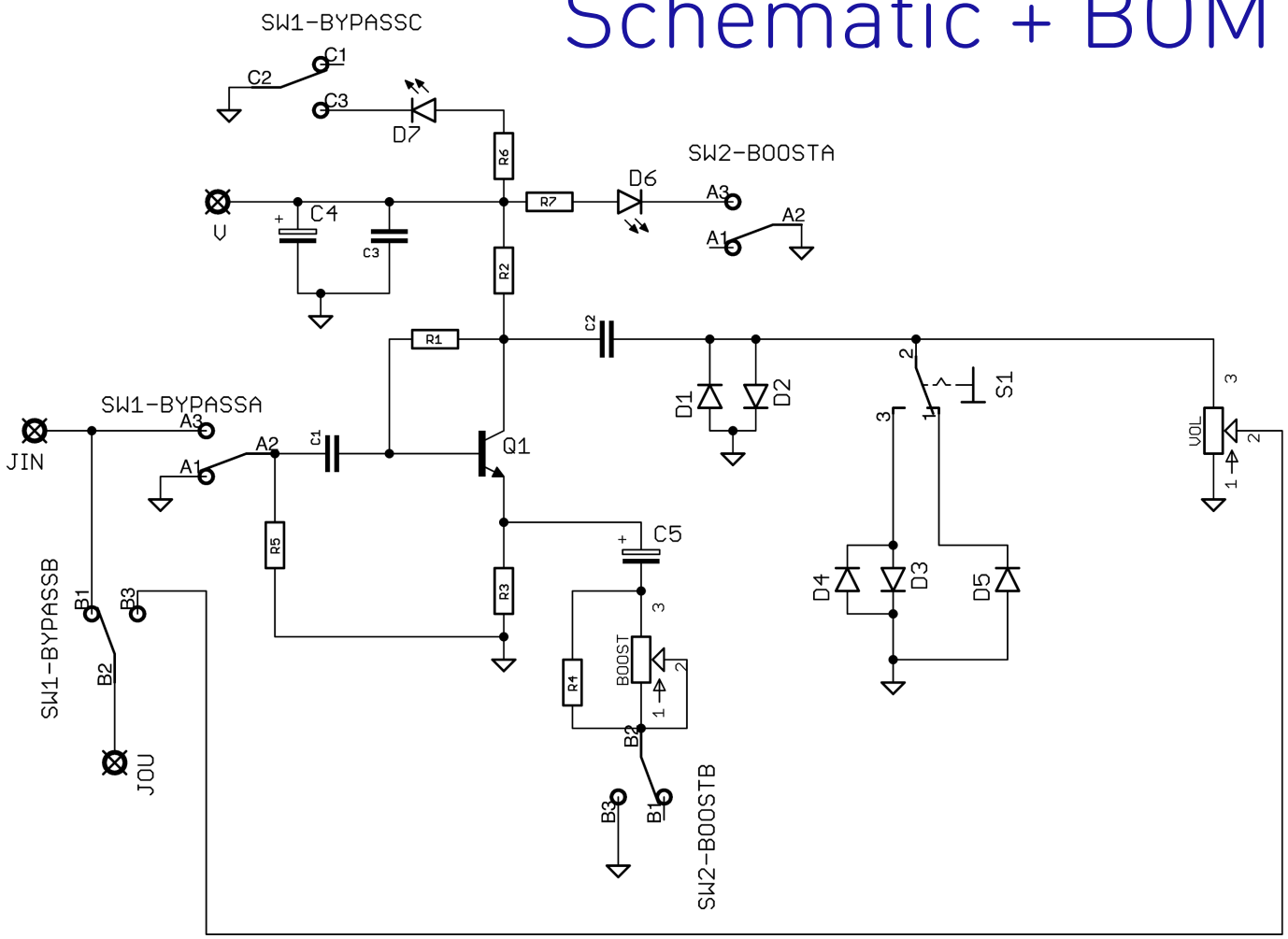


L'il Louie

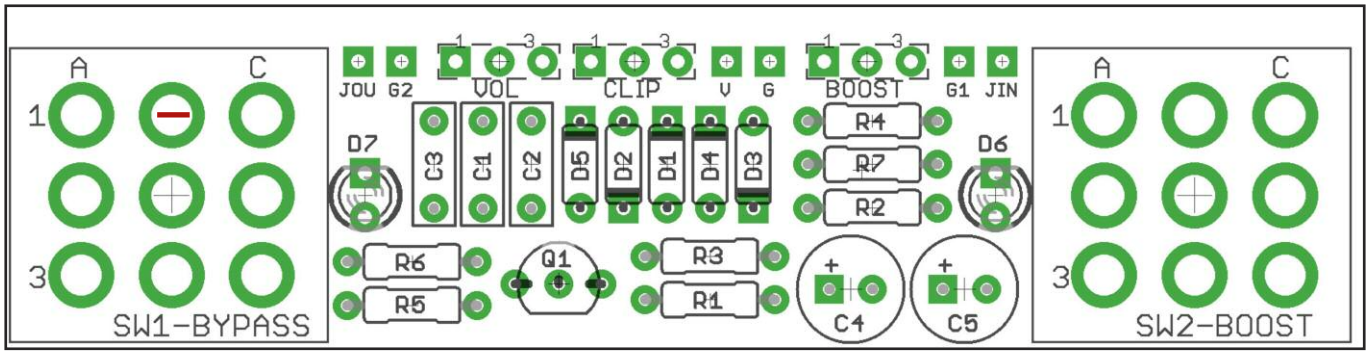
Fender Tweed Tone for days!

Schematic + BOM



R1	3M3	Q1	2N5088
R2	3K3		
R3	330R	D1-2	1N4148
R4	1K	D3-5	BAT46
R5	1M		
R6	2K2 (CLR)	BOOST	1KB
R7	2K2 (CLR)	VOL	100KB
C1	47n	CLIP	SPDT ON-OFF-ON
C2	100n		
C3	100n		
C4	47u elec		
C5	47u elec		

At first glance the schematic may look a little complex for such a simple circuit, but a lot of that is down the footswitch connections which are shown.



Be very careful when soldering the diodes and transistor. They're very sensitive to heat. You should use some kind of heat sink (crocodile clip or reverse action tweezers) on each leg as you solder them. Keep exposure to heat to a minimum (under 2 seconds).

Snap the small metal tag off the pots so they can be mounted flush in the box.

Positive (anode) legs of the electrolytic caps go to the square pads.

Negative (cathode) legs of the diodes and LEDs go to the square pads.

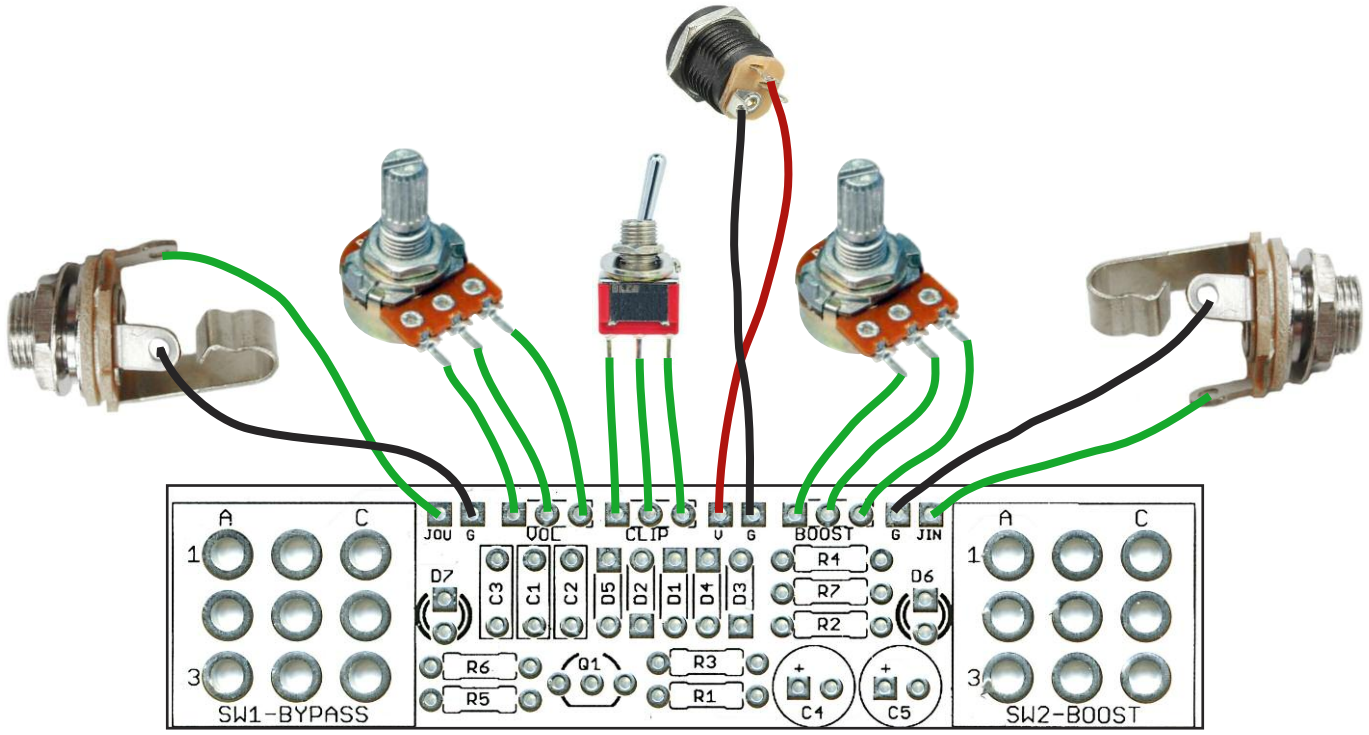
Footswitches should be placed with the lugs oriented horizontally as shown above.

You should use the enclosure as a guide for soldering in the footswitches. There's a little wiggle room in the pads on the PCB. Placing the footswitches in the holes in the enclosure then dropping the PCB onto them while in-situ will ensure a perfect fit.

There's not really any way of testing the circuit without fully asembling it, so check everything twice and solder very carefully.

Wire everything in and fire it up.

The Boost control is actually a grit boost, not a volume boost.



Drilling template

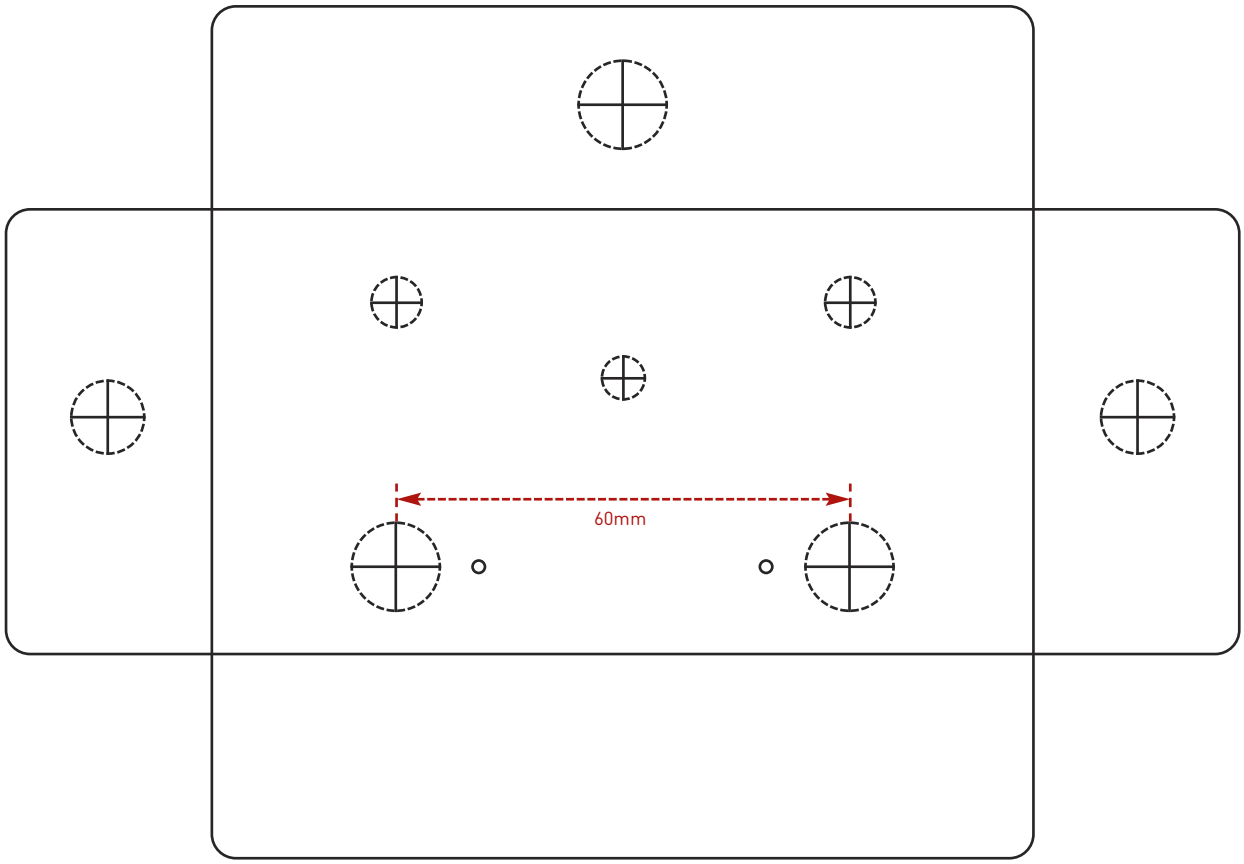
Hammond 1590B

60 x 111 x 31mm

It's a good idea to drill the pot holes 1mm bigger if you're board-mounting them.
Wiggle room = good!

Recommended drill sizes:

Pots	7mm
Jacks	10mm
Footswitch	12mm
DC Socket	12mm
Toggle Switch	6mm



The only critical measurement for drilling is the 60mm gap between the footswitch centres. Everything else can be moved around to suit, as long as your jacks clear the footswitches and pots.

This template is a rough guide only. You should ensure correct marking of your enclosure before drilling. You use this template at your own risk.
Pedal Parts Ltd can accept no responsibility for incorrect drilling of enclosures.

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