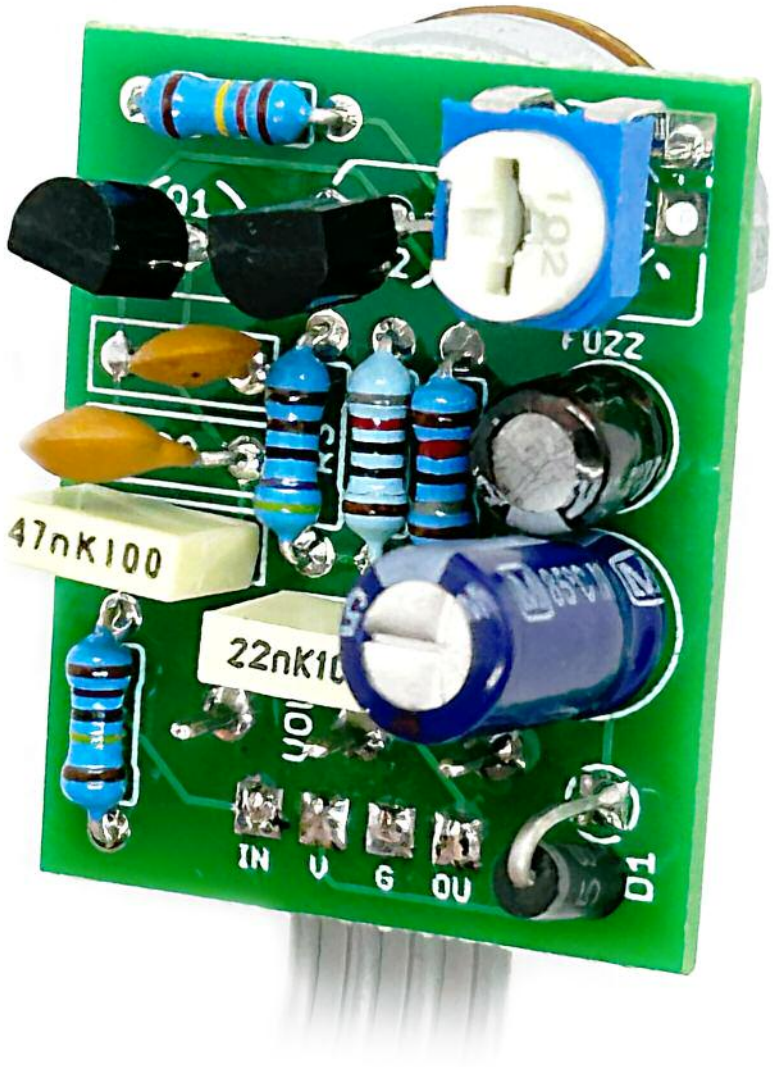
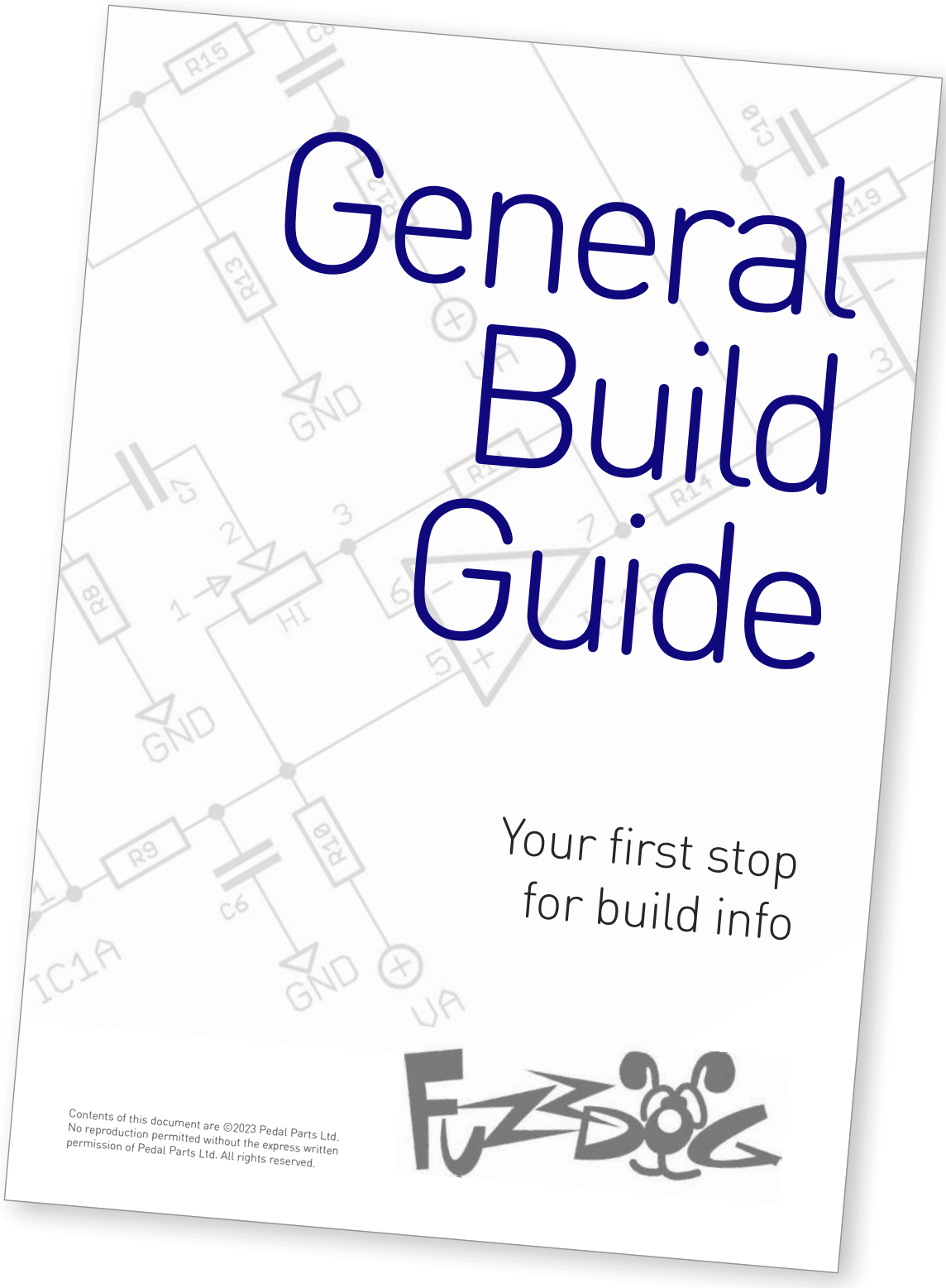


HUGE!

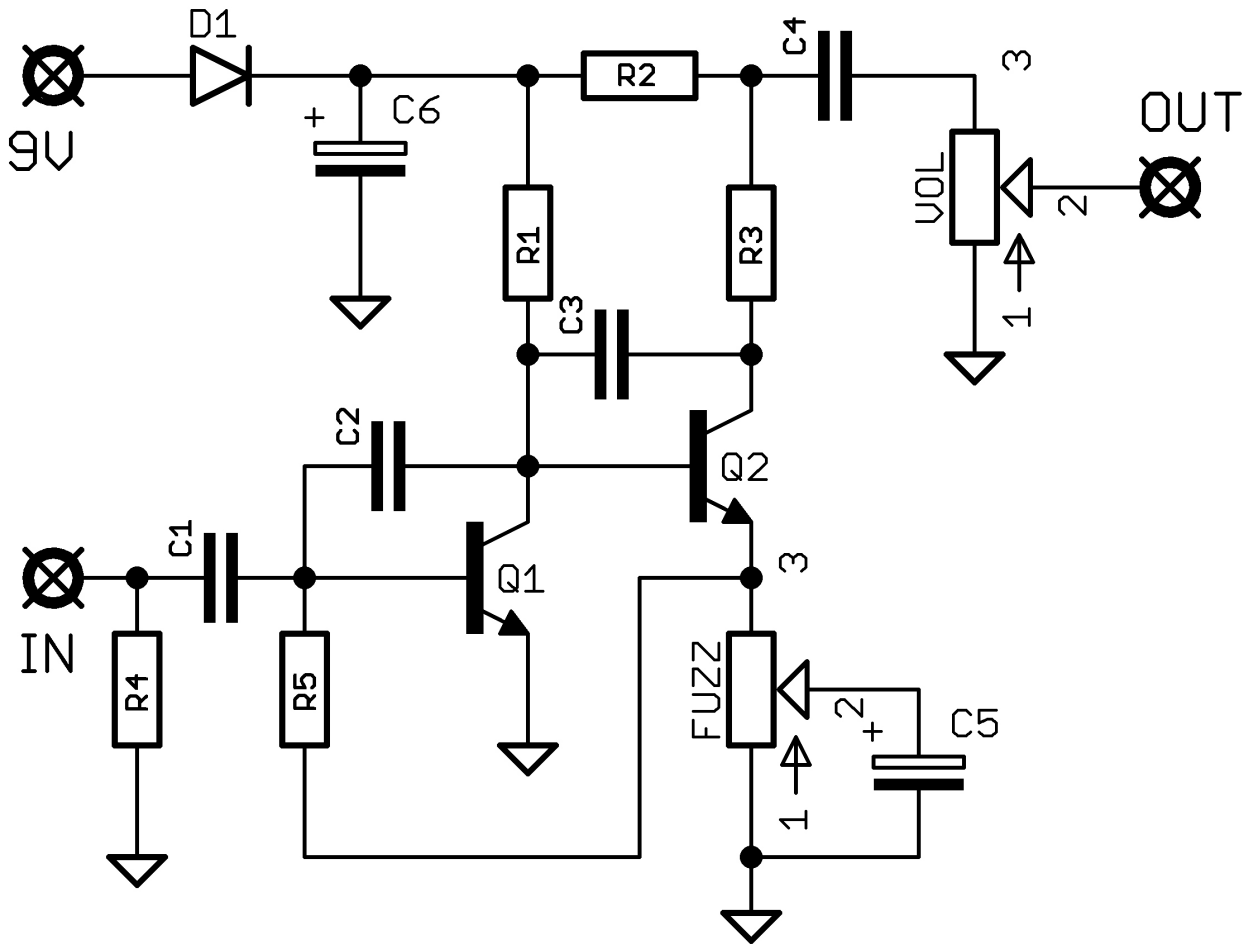
Particularly doomy One-Knob Fuzz

Before you dig in, ensure you download and read the **General Build Guide**.

It contains all the information you need for a successful outcome.



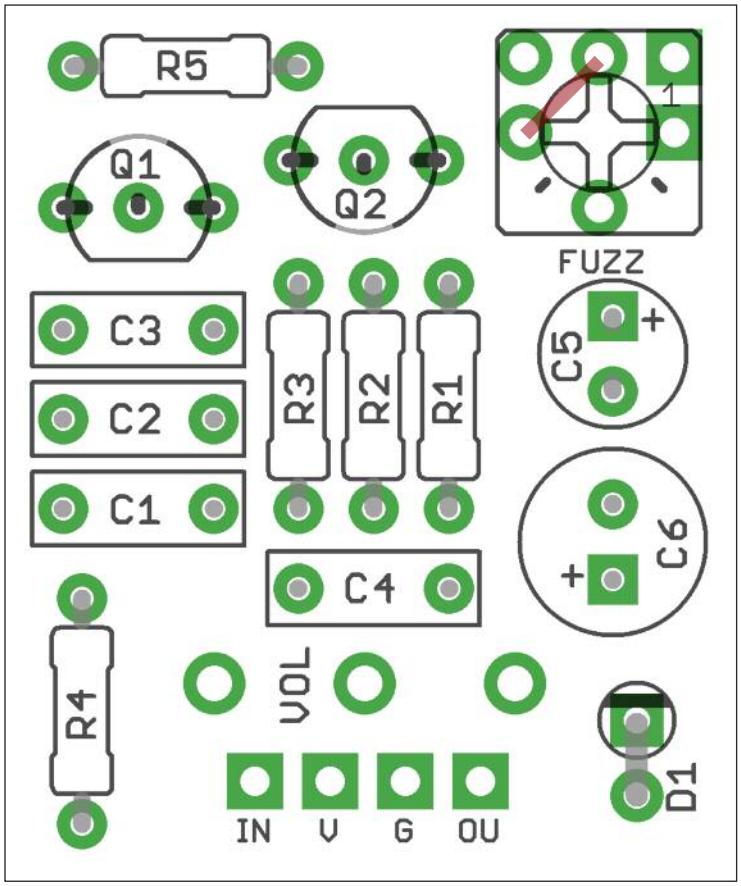
Schematic + BOM



R1	18K	C1	47n	D1	1N5817
R2	820R	C2	470p		
R3	4K7	C3	47p	Q1	BC548B*
R4	1M	C4	22n	Q2	2N5089
R5	120K	C5	10u elec		
		C6	100u elec	FUZZ	1K trimmer**
				VOL	500KA

*There's nothing remarkable about the transistor selection, so feel free to substitute your own favourite medium-gain BJT. Be aware the board is designed for the BC548 which has a reversed pinout to your 'normal' transistors, so you'll have to flip any such as 2N3904.

**This is set up as per a Fuzz Face gain control. However, we prefer it tweaked. See next page.



Snap the small metal tag off the pot so it can be mounted flush in the box.

You should solder all other board-mounted components before you solder the pot.

Once in place you'll have no access to much of the board, so how's that gonna work?

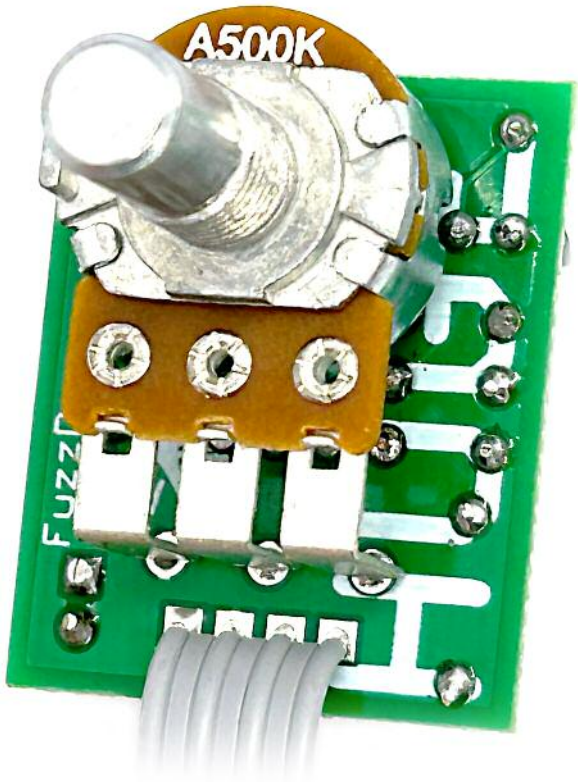
Other than the adjustable gain control, this is a One-Knob Fuzz like many others. You can make any of our other variations on this PCB. Just check out the standard OKF documentation and substitute the values from there. Note, the component numbering isnt the same on both boards, so you'll have to check the schematic to see which corresponds to which. Come on, it's a pretty small BOM.

TRIMMER

As the One-Knob Fuzz is basically a Fuzz Face with a fixed fuzz setting, it makes perfect sense for the trimmer to be configured the same as that pot. HOWEVER.... after extensive research and experimentation (ahem), we found there were much more interesting fuzzy textures available by connecting pins 2 and 3 together, so that C5 is always straight off the emitter of Q2. You'll get a range of trimmer adjustment where there's no signal coming through at all, but once it kicks in there are some fantastic gated, velcro sounds coming through. Once you turn it all the way up you're in the same position as you would be with it configured as standard. Try it. What you got to lose?

The trimmers we supply fit into the outer three pads, so the most convenient way to join pins 2 and 3 is as shown left. If your own trimmers fit into others, no worries. You just need to join one left pad into one centre pad - doesn't matter which ones.

Get ready for gated awesomeness!



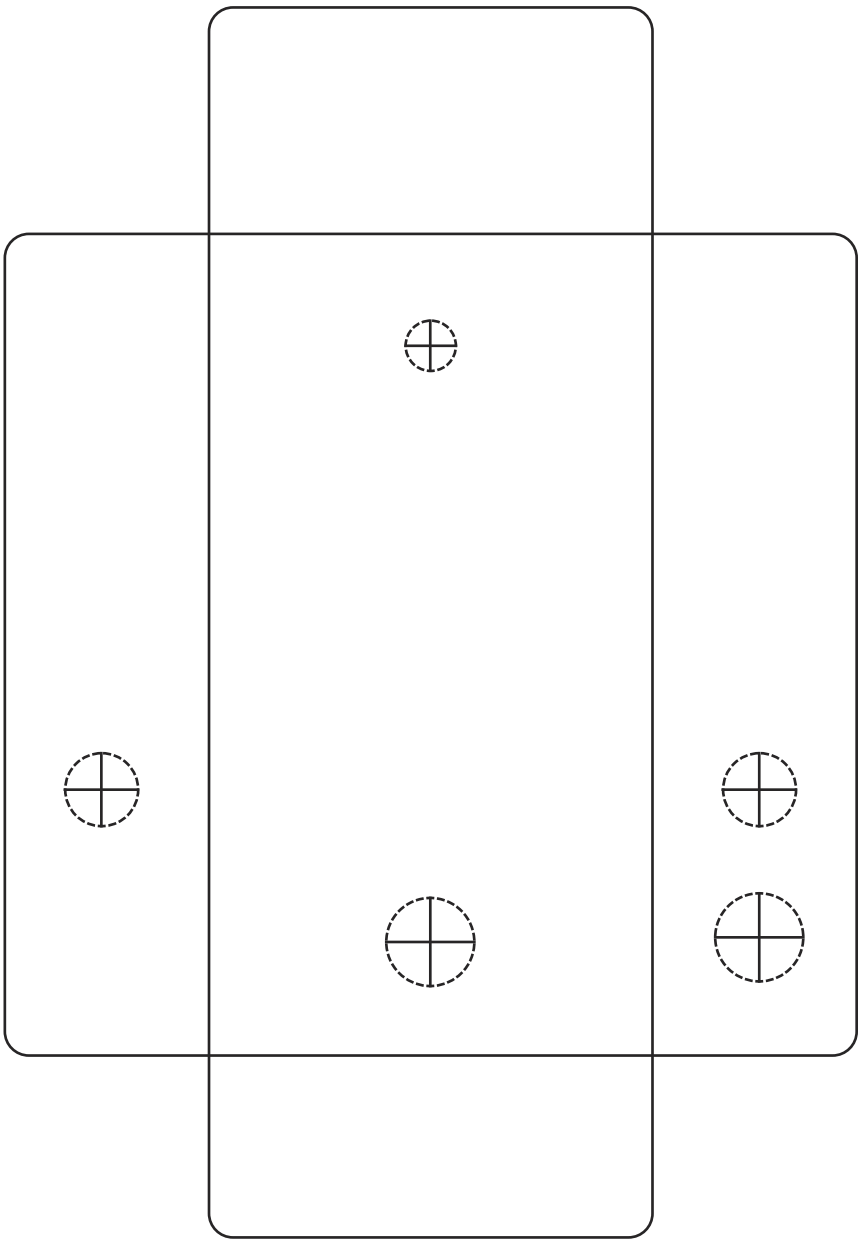
Drilling template

Hammond 1590B - 60 x 111 x 31mm

Drill sizes listed are minimum.
It's a good idea to add 1mm to anything mounted on the PCB that'll poke through the front of the enclosure.

Drill sizes:

Pots	7mm
Jacks	10mm
Footswitch	12mm
DC Socket	12mm
Toggle switches	6mm
Rotary switches	10mm



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.

FuzzDog.co.uk