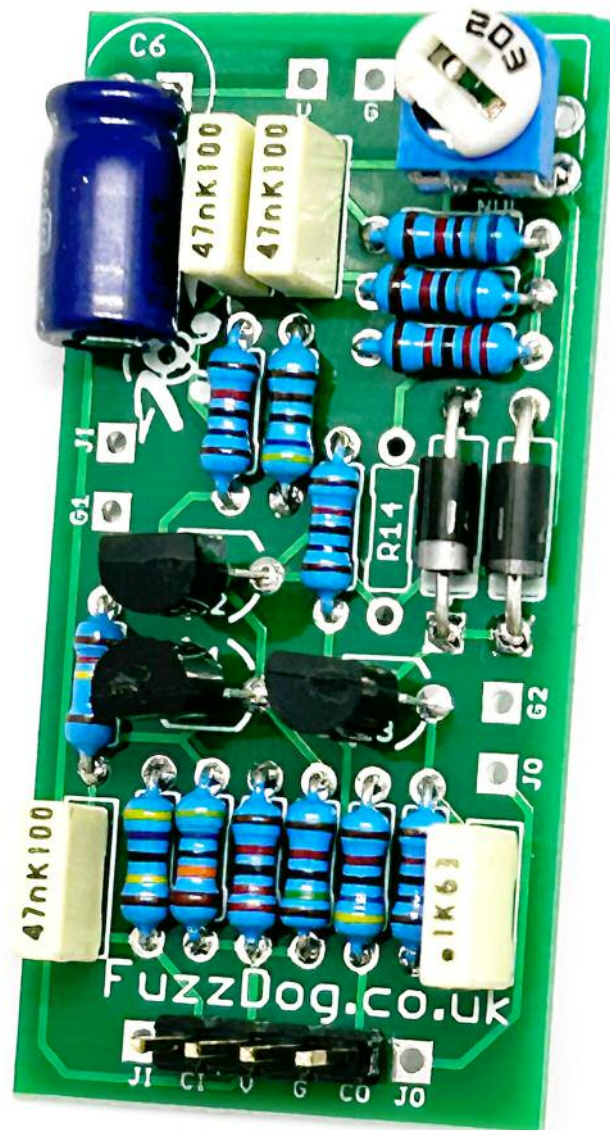
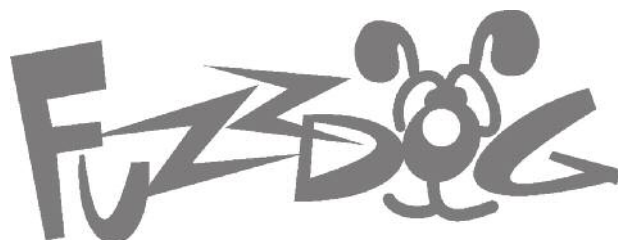


FuzzPup



Stinger

Dan Armstrong's Green Ringer
octave-up generator



IMPORTANT

Before you start...

Grab the general build doc that covers all FuzzPup builds.
Most of the information you need for this build is in there.

Read it? OK, carry on.



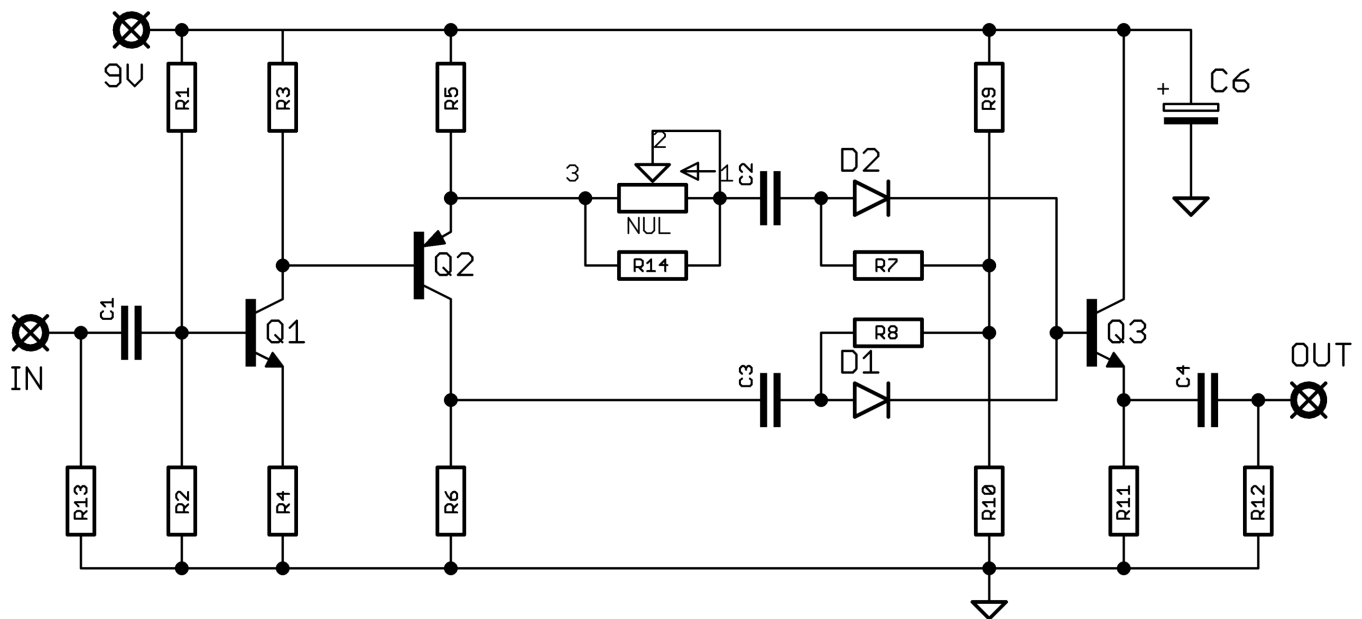
FuzzPups v2

Lovely little boxes of joy with a
standardised build pattern



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Schematic + BOM



R1	470K	C1	47n
R2	120K	C2	47n
R3	15K	C3	47n
R4	4K7	C4	100n
R5	10K	C6	100u elec
R6	10K	Q1	2N5088
R7	68K	Q2	2N3906
R8	68K	Q3	2N5088
R9	22K	D1-2	1N4148**
R10	22K	NULL	25KB POT OR TRIMMER*
R11	10K		
R12	47K		
R13	4M7		
R14	7K5*		

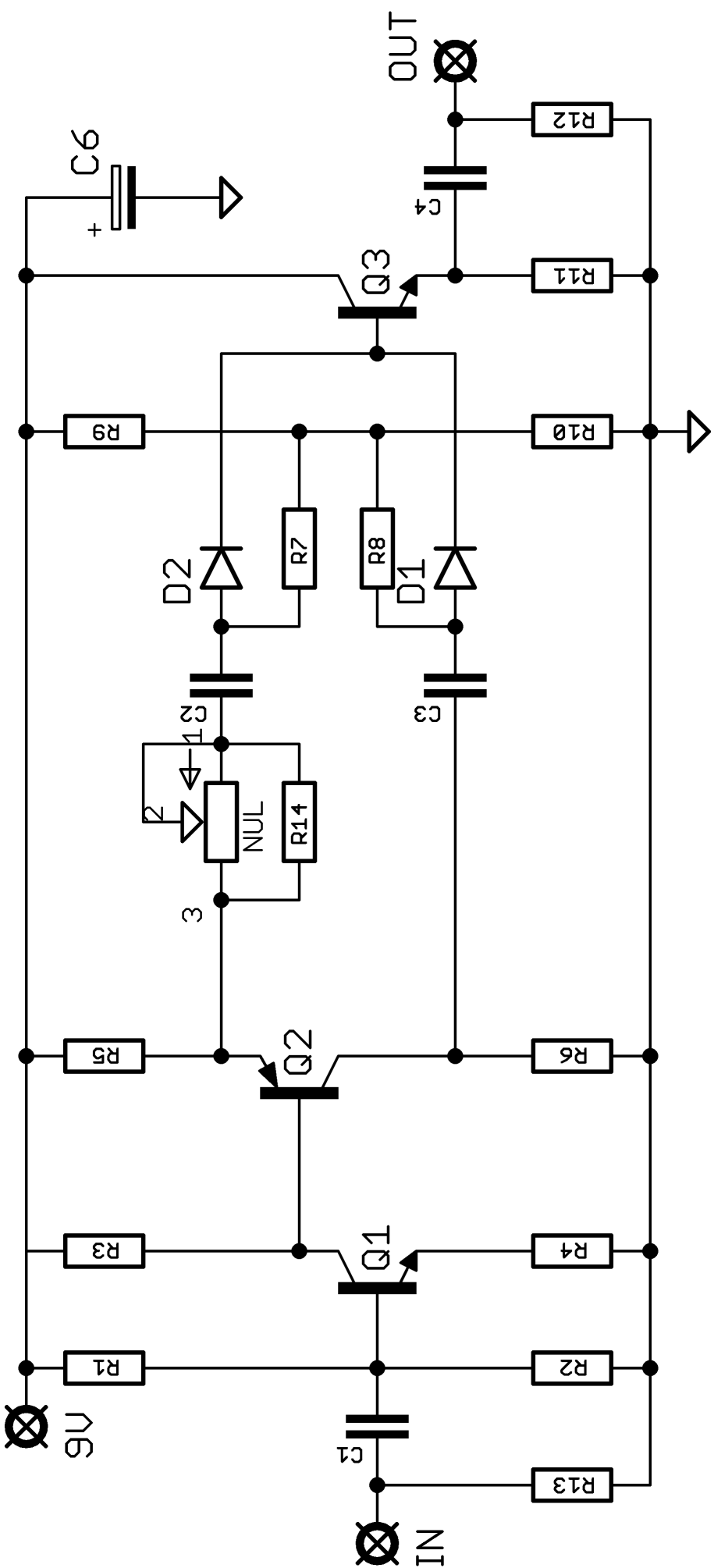
*NULL CONTROL

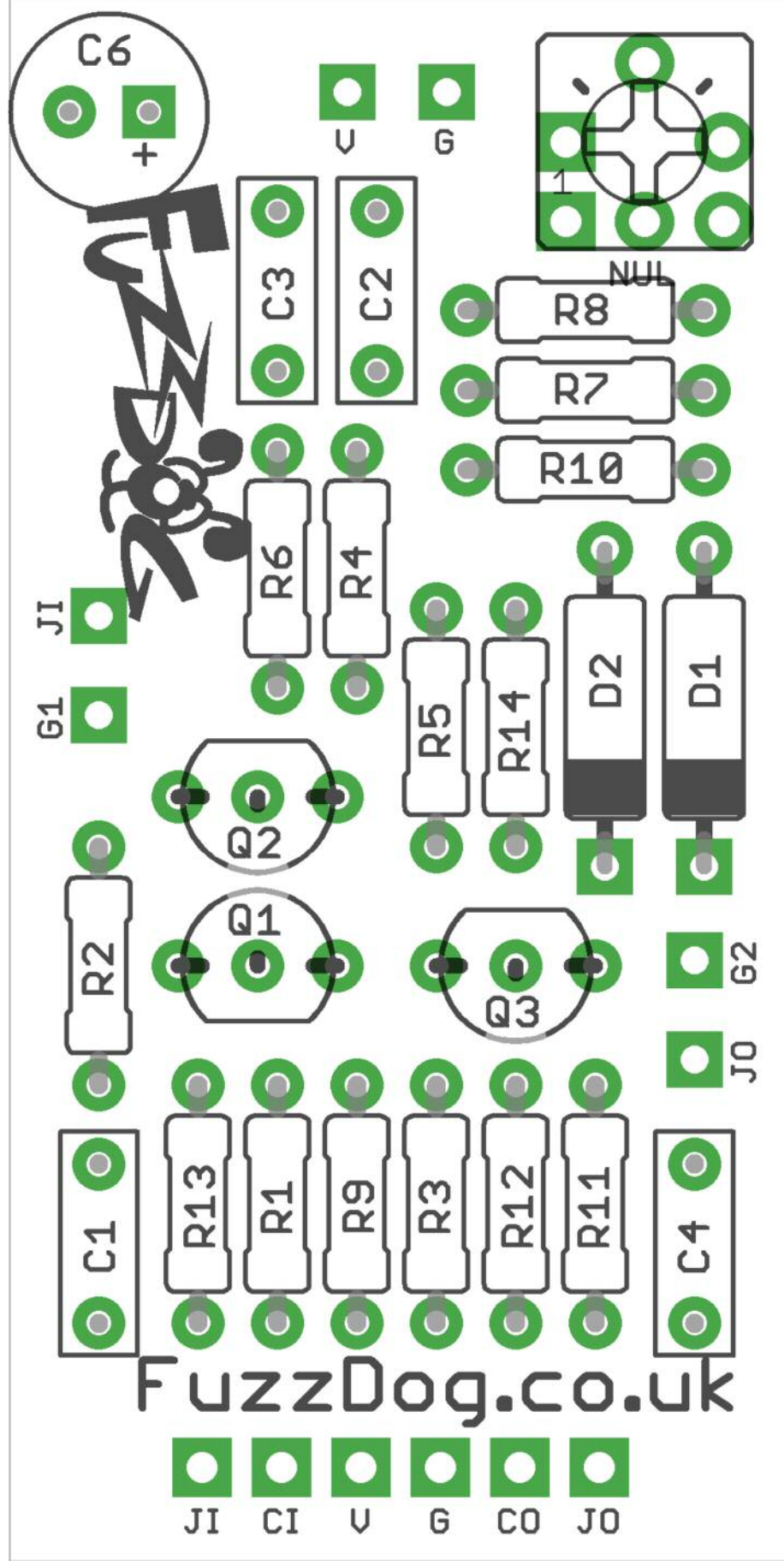
For Dan A's original circuit you should leave out the NUL trimmer or pot, and place a jumper for R14. JC Mailet modified the circuit in 2003 to add a nulling resistor. You can go with a fixed value for R14, or add a pot or trimmer to adjust it to taste. Leave R14 empty if adding a control trim/pot. See page 6 for wiring up a pot to the trimmer pads. Read up on the modifications here:

<http://www.lynx.net/~jc/pedalsGreenRinger.html>

**You can swap these out for others, such as 1N5817 schottky or germaniums for a different flavour. The forward voltages should be very closely matched.

If you've opted for germaniums with a kit we supply Russian D9K, which have the stripes indicating the anode rather than cathode. You'll need to reverse them on the PCB as shown on the cover image.

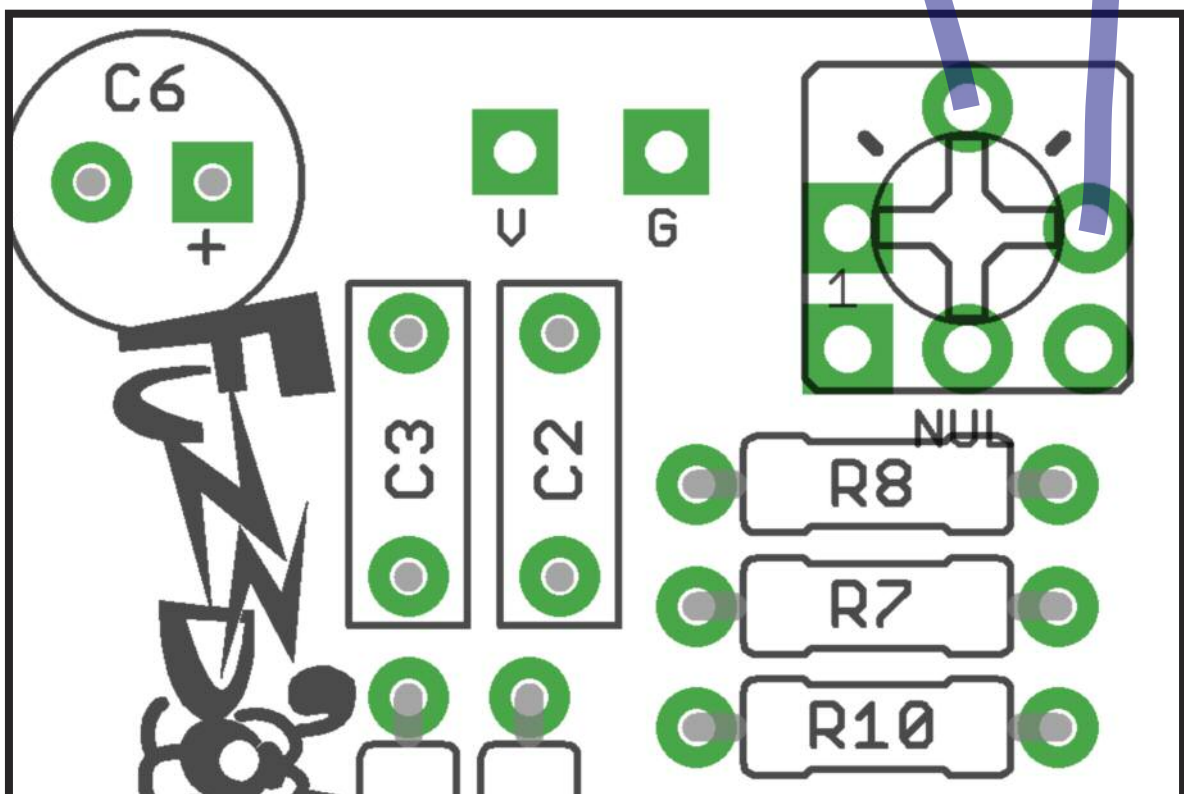




NULL CONTROL

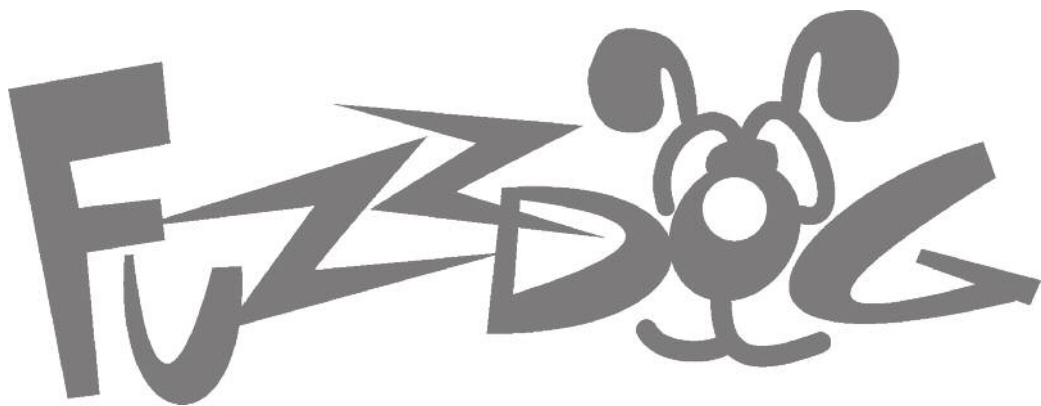
Just two little wires and you can have an external pot to adjust your NULL resistance.

Leave R14 empty if adding this.



Everything else you need is in the
general build doc you've already read.

Head back to that.



FuzzDog.co.uk