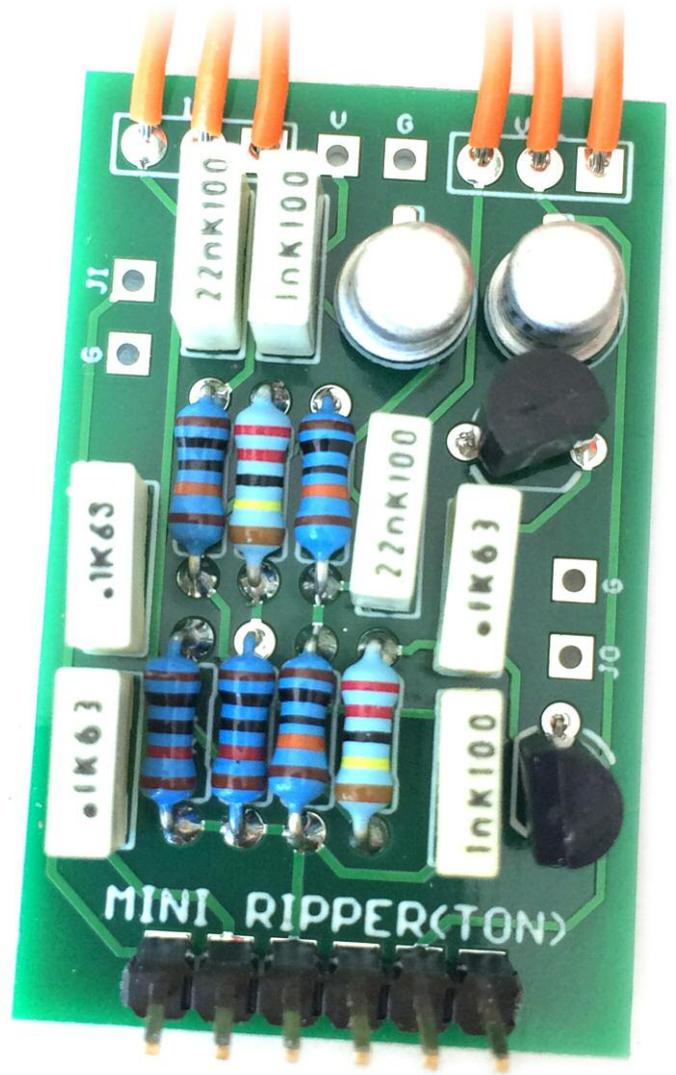
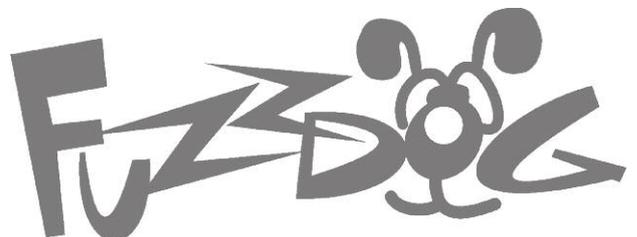


FUZZPUP



Cone Ripper

Broken-speaker overdrive
and glitchy fuzz fun

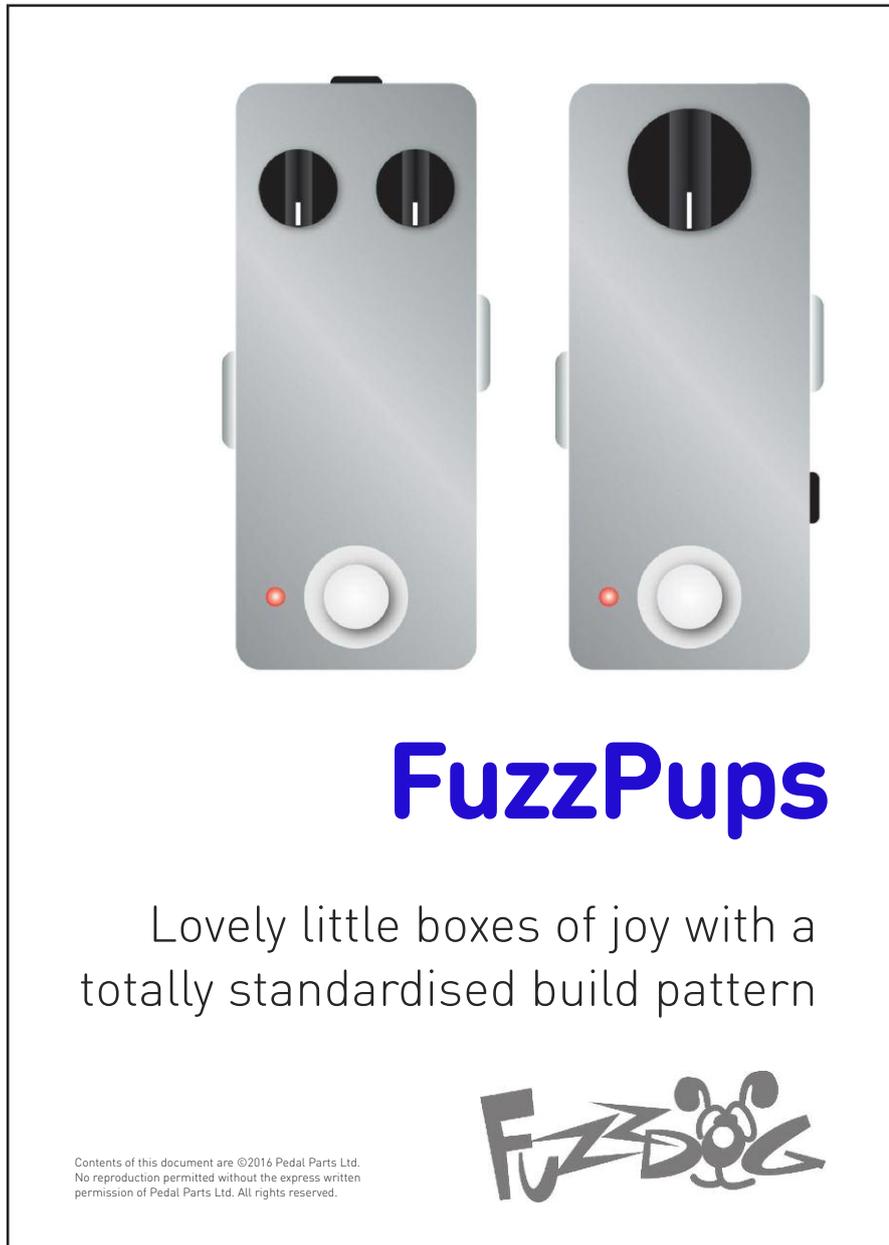


IMPORTANT

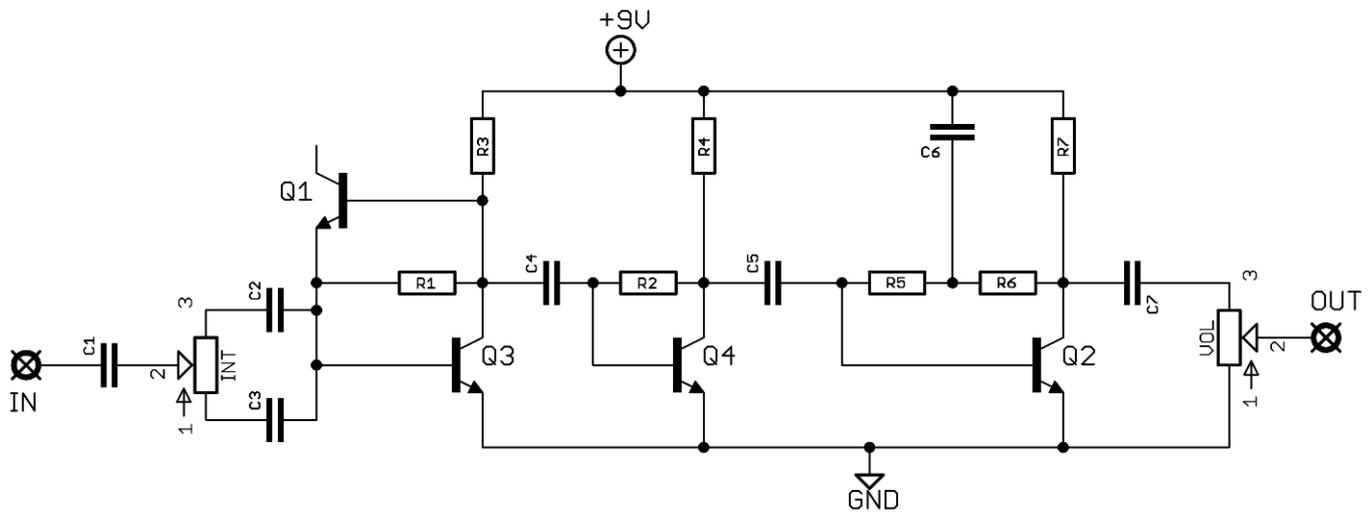
Before you start...

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.



Schematic + BOM



| | | | | | |
|----|------|----|--------|------|---------|
| R1 | 2M2 | C1 | 100n | Q1,2 | 2N2222A |
| R2 | 2M2 | C2 | 22n | Q3,4 | MPSA18 |
| R3 | 10K* | C3 | 1n | | |
| R4 | 10K | C4 | 100n | | |
| R5 | 100K | C5 | 100n** | INT | 500KB |
| R6 | 100K | C6 | 1n | VOL | 100KA |
| R7 | 100K | C7 | 22n | | |

The above is the standard Cone Ripper overdrive, which will make it sound like you have a ripped speaker cone in your cab. Wild!

Some small tweaks will give you different results. Why not try these versions:

Butt Flush Fuzz

Ridiculously high-gain, noisy fuzz.

Change **R3** to 100K

American Octave

Tight, gated high-gain fuzz.

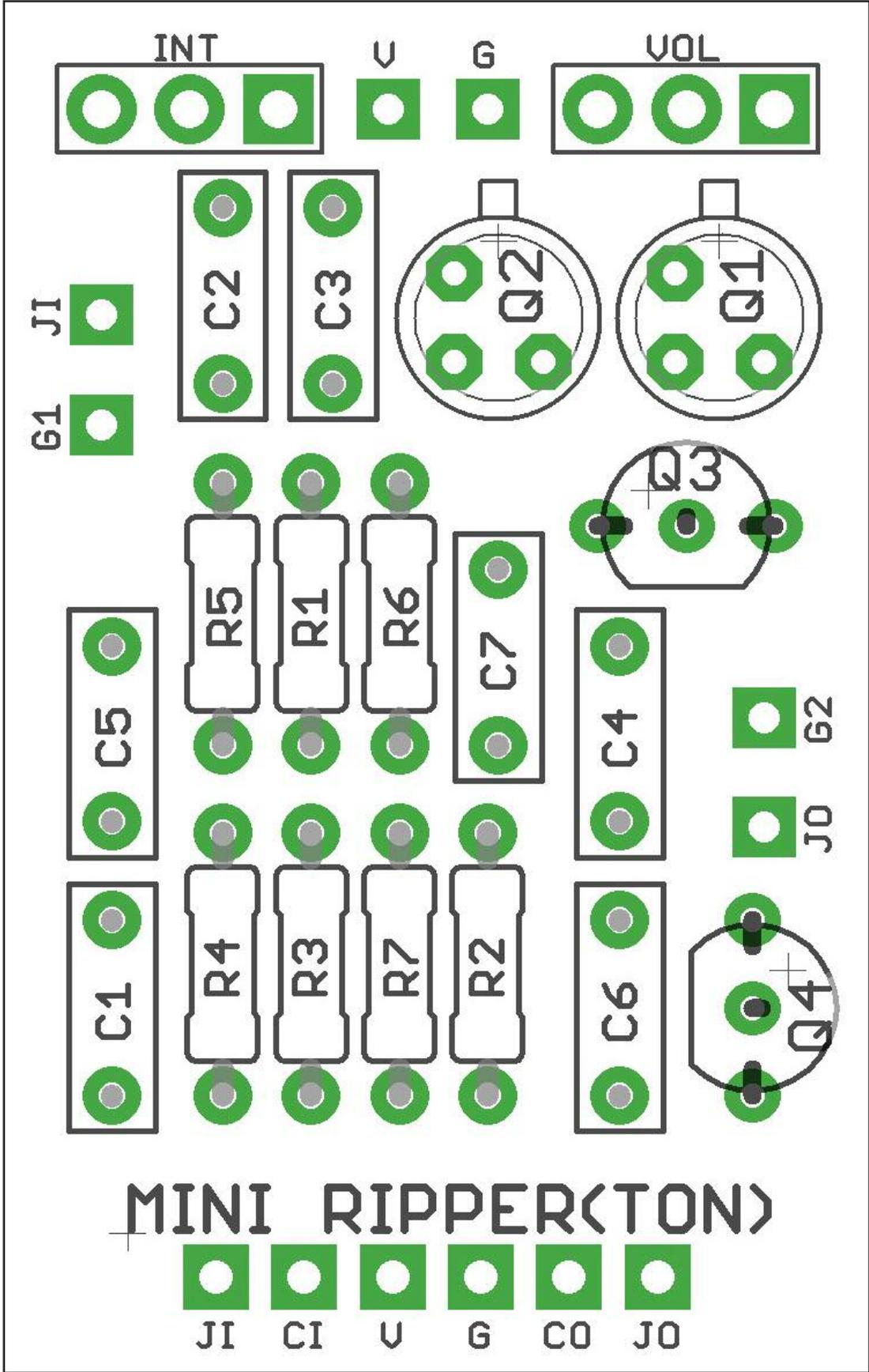
Change **R3** to 220K and **C5** to 10n.

Leave out **R5, R6, C6**

No Way Drive

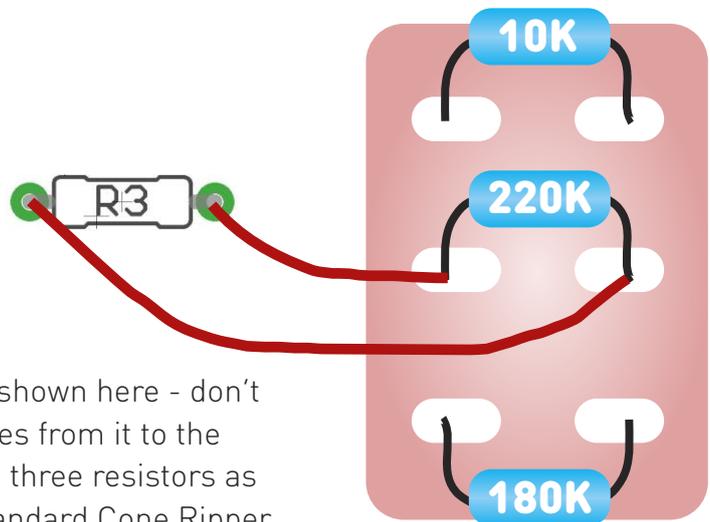
Crazy high-gain fuzz with a pronounced octave-up.

Reverse the orientation of **Q1** and **Q2**

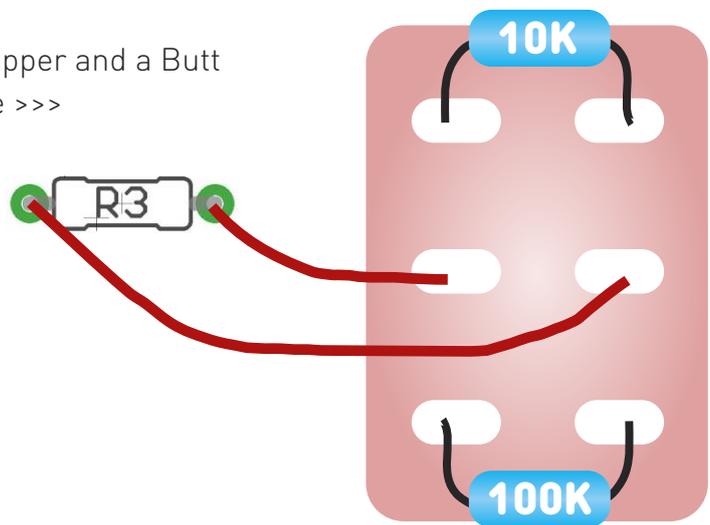


1 Switch, 3 Versions...

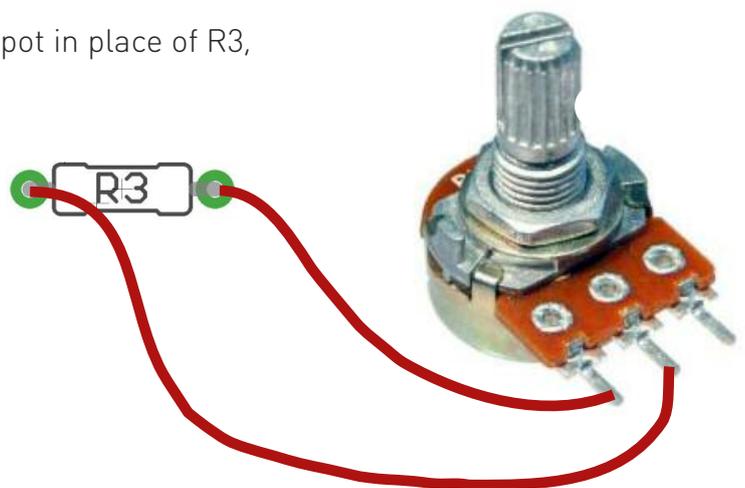
While adding a single switch won't give you all the variations available on this circuit, you can get three distinct sounds using a single DPDT ON-OFF-ON toggle switch. wire it as shown here - don't place R3 on the board. Instead, take two wires from it to the centre lugs of the toggle switch and add the three resistors as shown. In the top position you'll have the standard Cone Ripper, bottom you'll have the Butt Flush Fuzz. Middle will give you the same Q3 bias value as the American Octave.



If you want to just switch between a Cone Ripper and a Butt Flush, use a DPDT ON-ON, and wire as here >>>



For even more glitchy variations, try a 250K pot in place of R3, wired like this >>>



Hey, no-one said it was going to sound pretty!

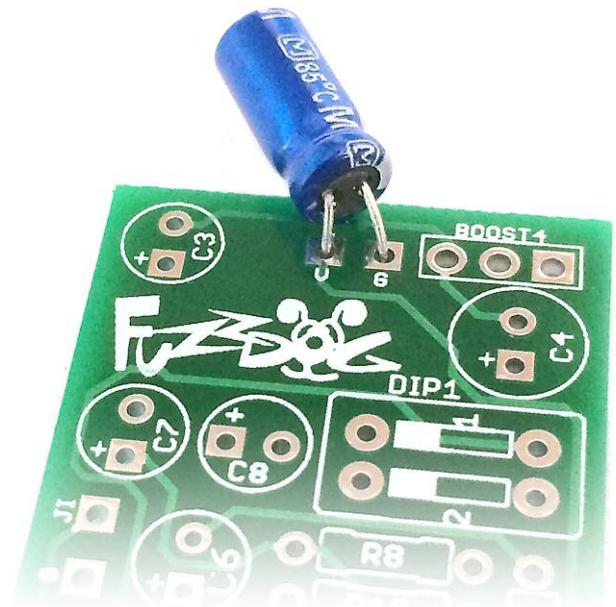
Notes

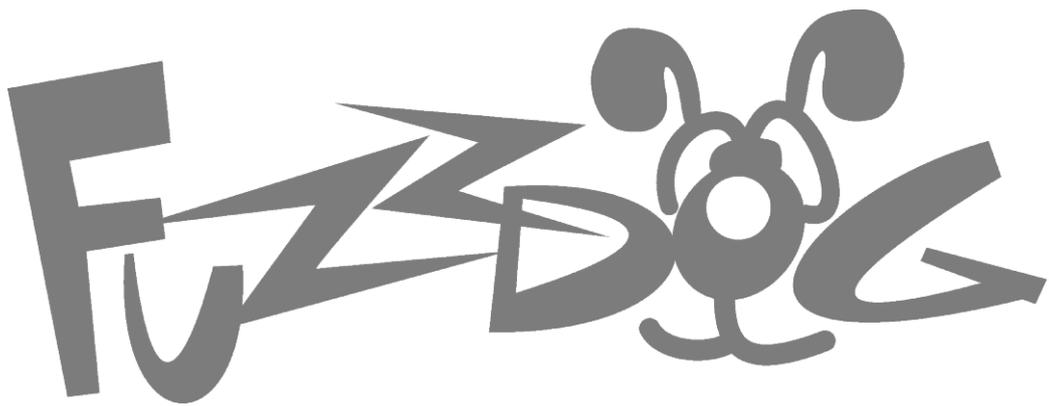
Extra power filtering cap

The original circuit design doesn't include a power smoothing capacitor between 9V and GND, but you can include one if you'd like some extra filtering. Anything from 22uf to 100uf.

This can be added to one of the sets of V and G pads in your build, depending on which wiring method you're using.

If you have a side-mounted DC socket and you're using the V and G pads on the footswitch daughterboard, add your extra cap to the V and G pads on the top edge of your main circuit board, + leg to V pad. Check the positioning of the board, pot and DC socket to see how it'll best fit within the space in the enclosure (note: the EPic Boost board is shown as example) >>>





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