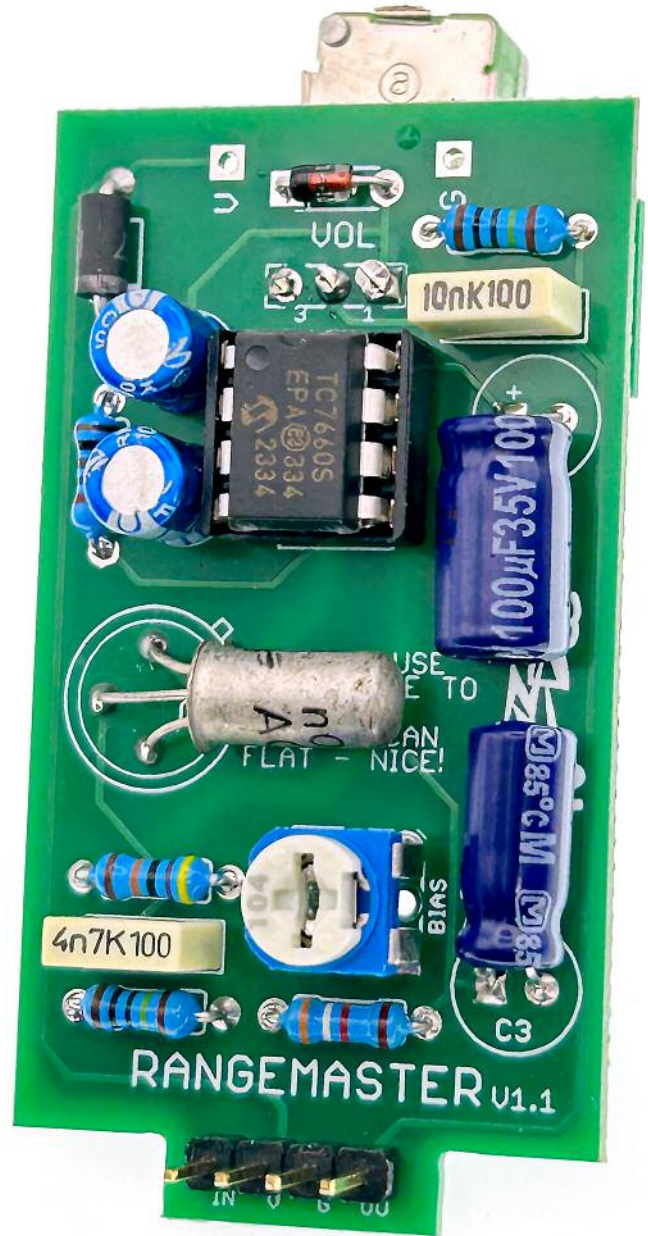# FuzzPup

Range Master

Classic gritty treble booster

IMPORTANT
Before you start...

Grab the general build doc that covers all FuzzPup V2 builds.
Most of the information you need for this build is in there.
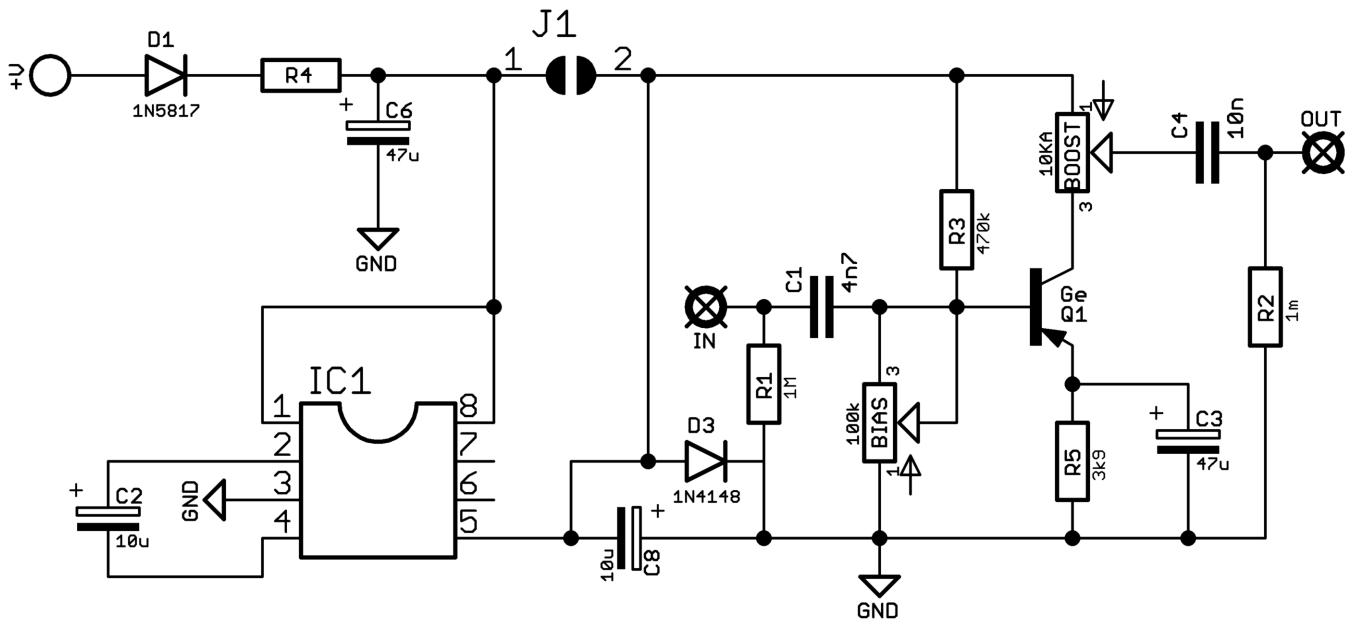
Read it? OK, carry on.

FuzzPups v2

Lovely little boxes of joy with a
standardised build pattern

Schematic + BOM

R1	1M
R2	1M
R3	470K
R4	100R
R5	3K9
C1	4n7
C2	10u elec
C3	4u7 elec
C4	10n
C6	47u elec
C8	10u elec
D1	1N5817
D3	1N4148
Q1	Ge*
BOOST	10KA
BIAS	100K trim
IC1	7660SEPA

We've included voltage inverter circuitry to enable the use of PNP germanium transistors with a standard negative-ground supply.

If you want to build a pedal using an NPN transistor, leave out the charge pump (all parts labelled in green above) and connect the pads of J1 with a blob of solder.

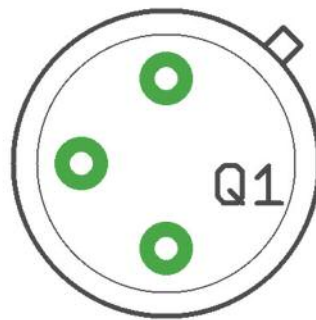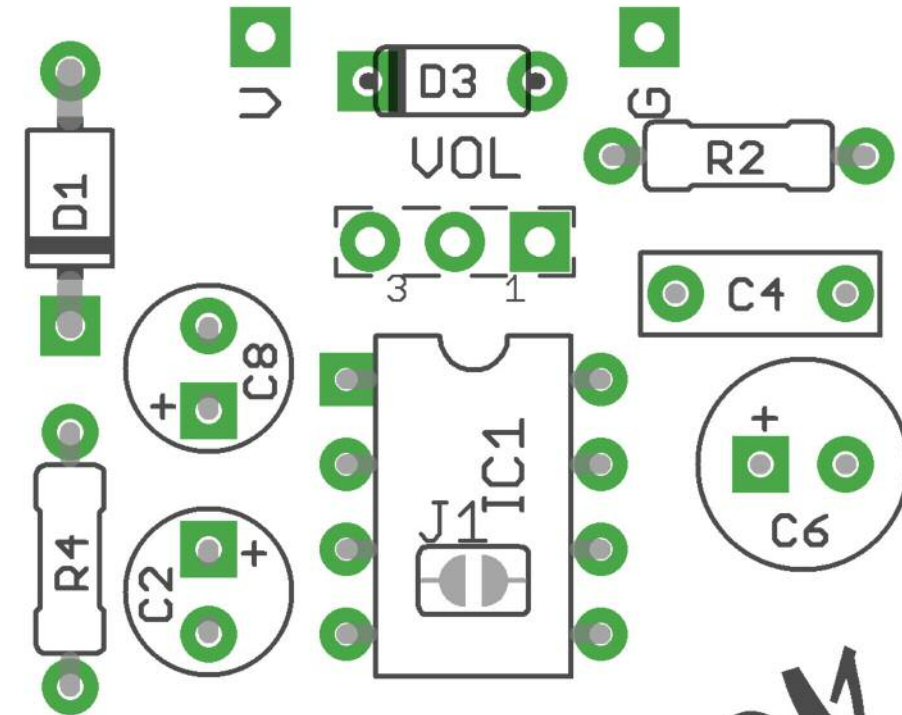*Something in the range of 70-100hFE is ideal.

BIASING

With the boost control fully CW, adjust your trimmer until you get around 7V on the collector of Q1.

V

D3

VOL

G
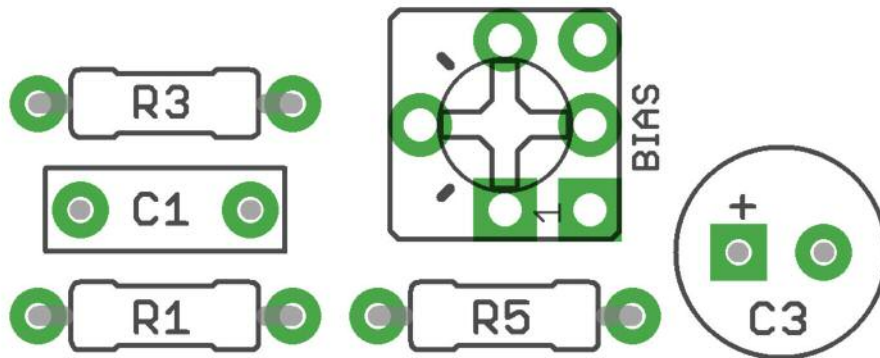
R2

3   1

C4

D1

C8
+

C6
+

R4

C2
+

J1 IC1

Q1

YOU CAN USE
THIS SPACE TO
LAY YOUR
MASSIVE CAN
FLAT — NICE!

FuzzDog

R3

BIAS

C1

C3
+

R1

R5

RANGEMASTER V1.1

IN   V   G   OU

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

Head back to that.

FuzzDog.co.uk