

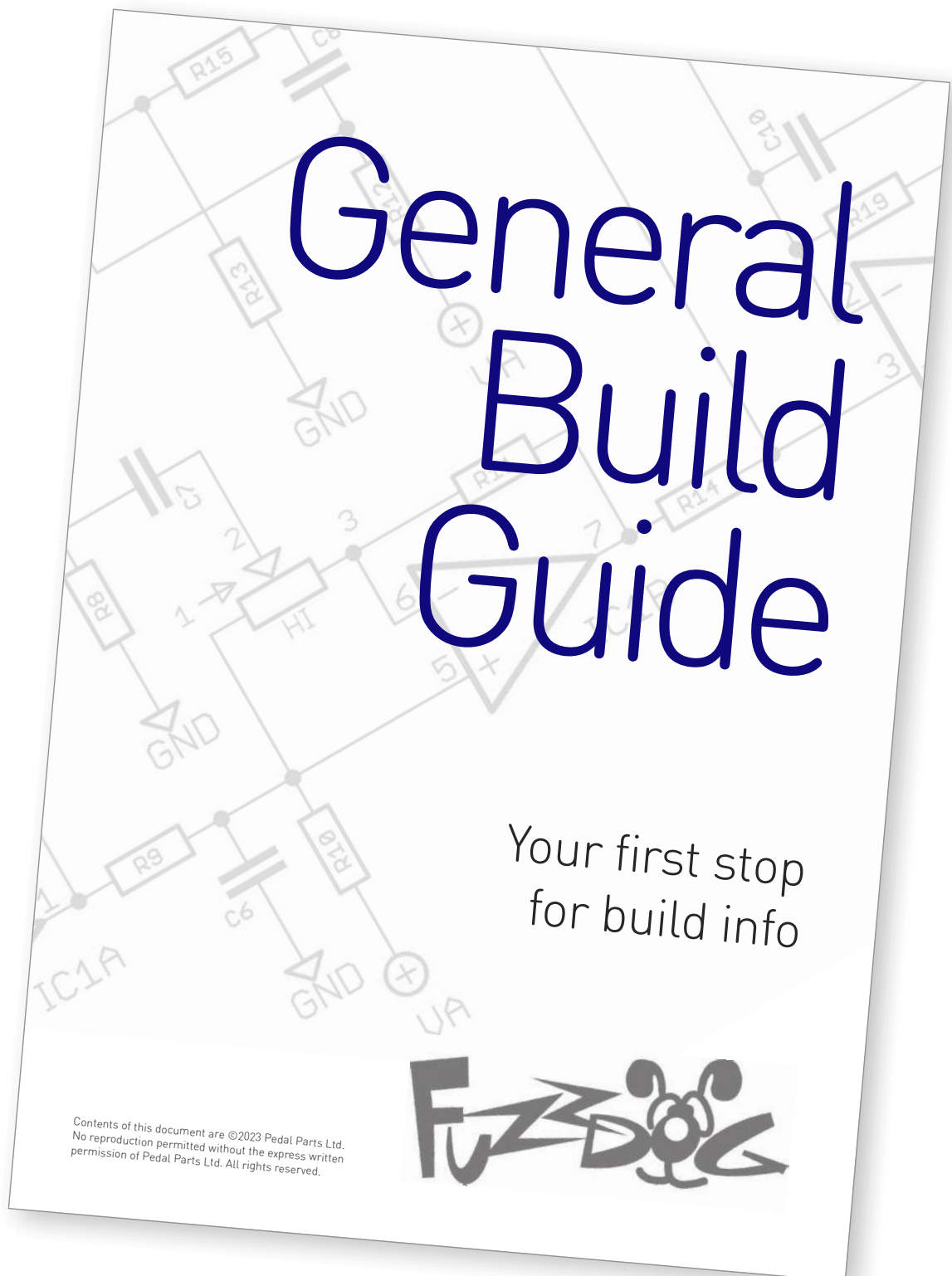
# Annihilator

Earth shattering take  
on a Fuzz Face



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

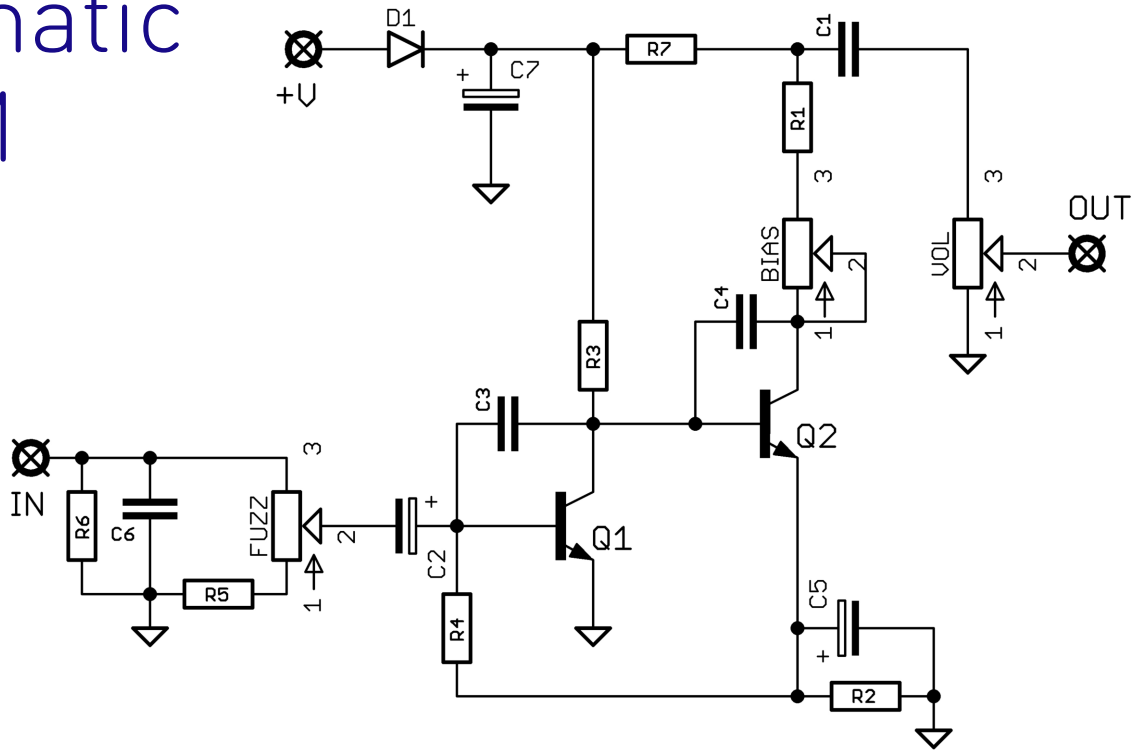
R1	1K
R2	1K
R3	33K
R4	100K
R5	10K
R6	1M
R7	2K7

C1	100n
C2	2u2 elec
C3	47p
C4	Empty*
C5	22u elec**
C6	100p
C7	100u elec

Q1-2 MP37B\*\*\*

D1 1N5817

FUZZ 100KB  
VOL 100KA  
BIAS 5KB‡



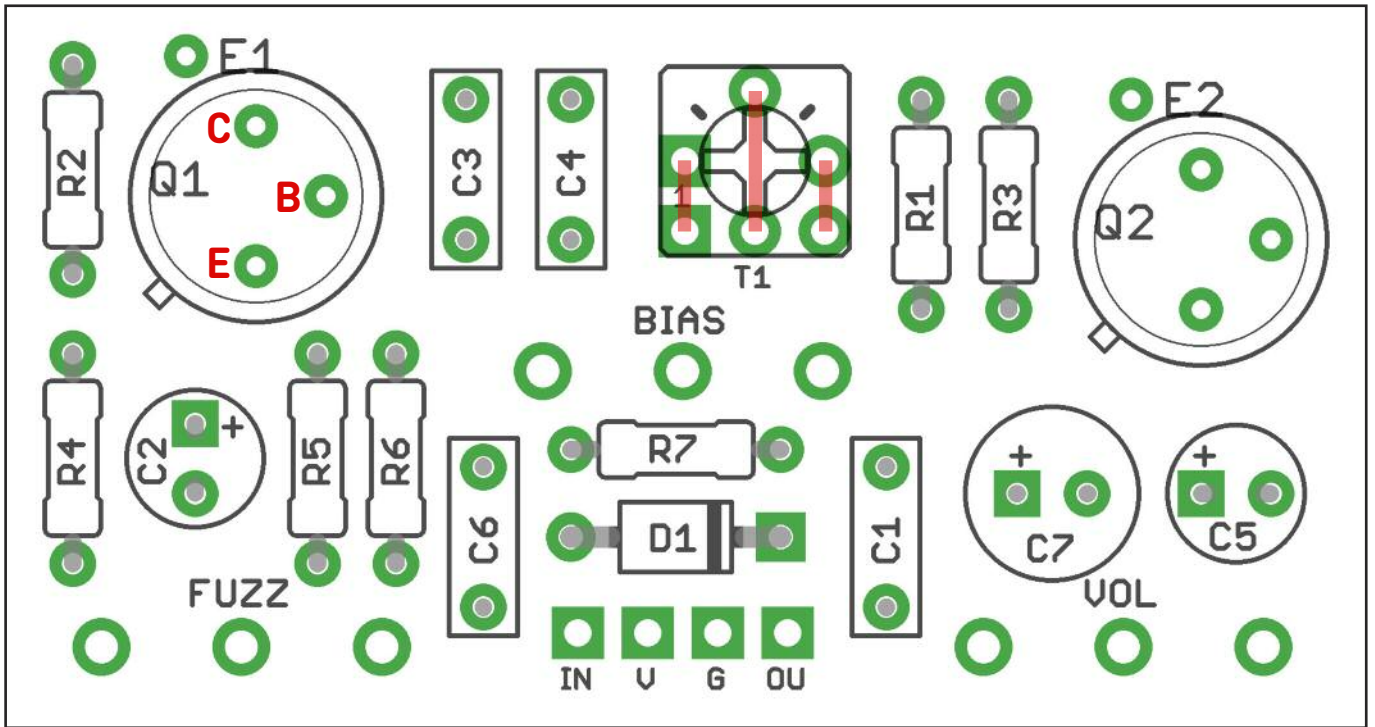
\*C4 is not on the original. We've added it in case you want to use higher gain silicon transistors, as these will likely cause oscillation. Adding a 100p cap in C4 should eliminate this.

\*\*Reverse C5. We did a silly.

\*\*\*NPN germaniums around 40hFE.

‡The original has the bias as an internal trimmer. To go for this use a 10K-20K trimmer in T1. We think it's much more fun to have it externally. After testing a whole bunch of MP37B we found they all hit the 'correct' bias point within the sweep of a 5KB pot with a 1K resistor in R1. Other transistors may need an alternative R1 value.

There's no perfect bias voltage other than that which pleases your ears. The original is 4.5V on the collector of Q2.



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

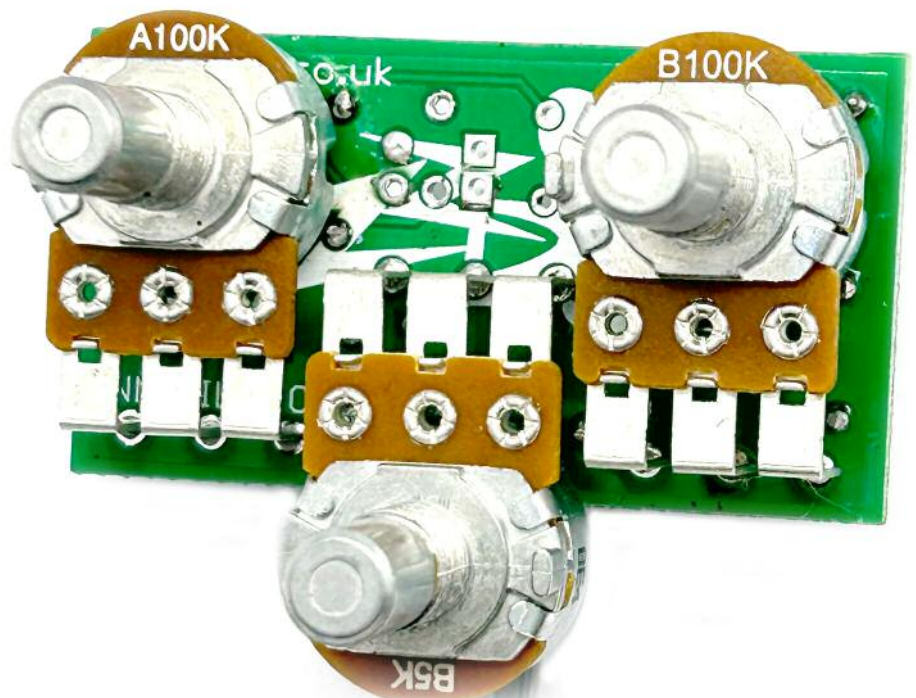
You should solder all other board-mounted components before you solder the pots.

Once they're in place you'll have no access to much of the board.

There are extra Emitter pads for each transistor so you can easily use Russian cans with ECB pinout.

If you're using a trimmer in T1, note how the pads are connected within the traces of the PCB, as marked above.

You only need one pin of your trimmer in each column, so place it however it best fits.



# Drilling template

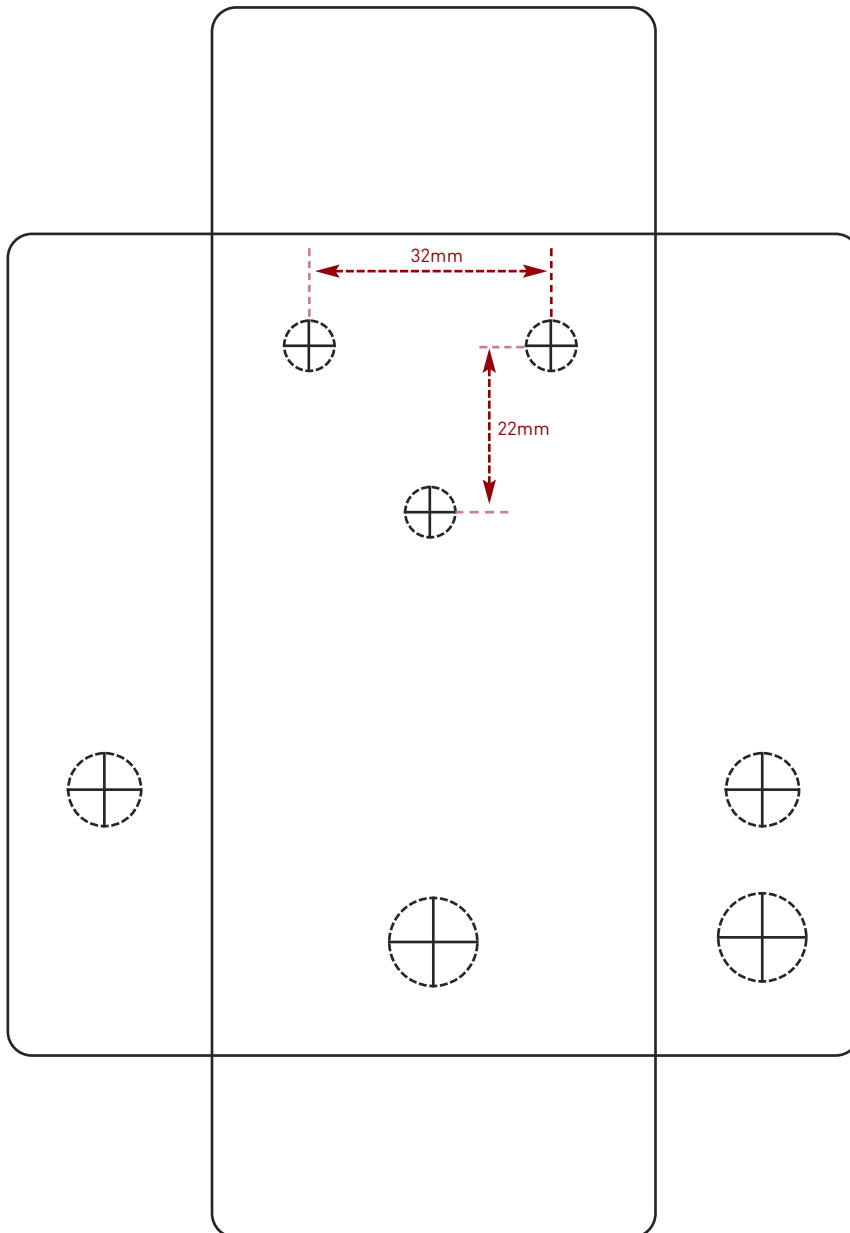
**Hammond 1590B - 60 x 111 x 31mm**

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.

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