

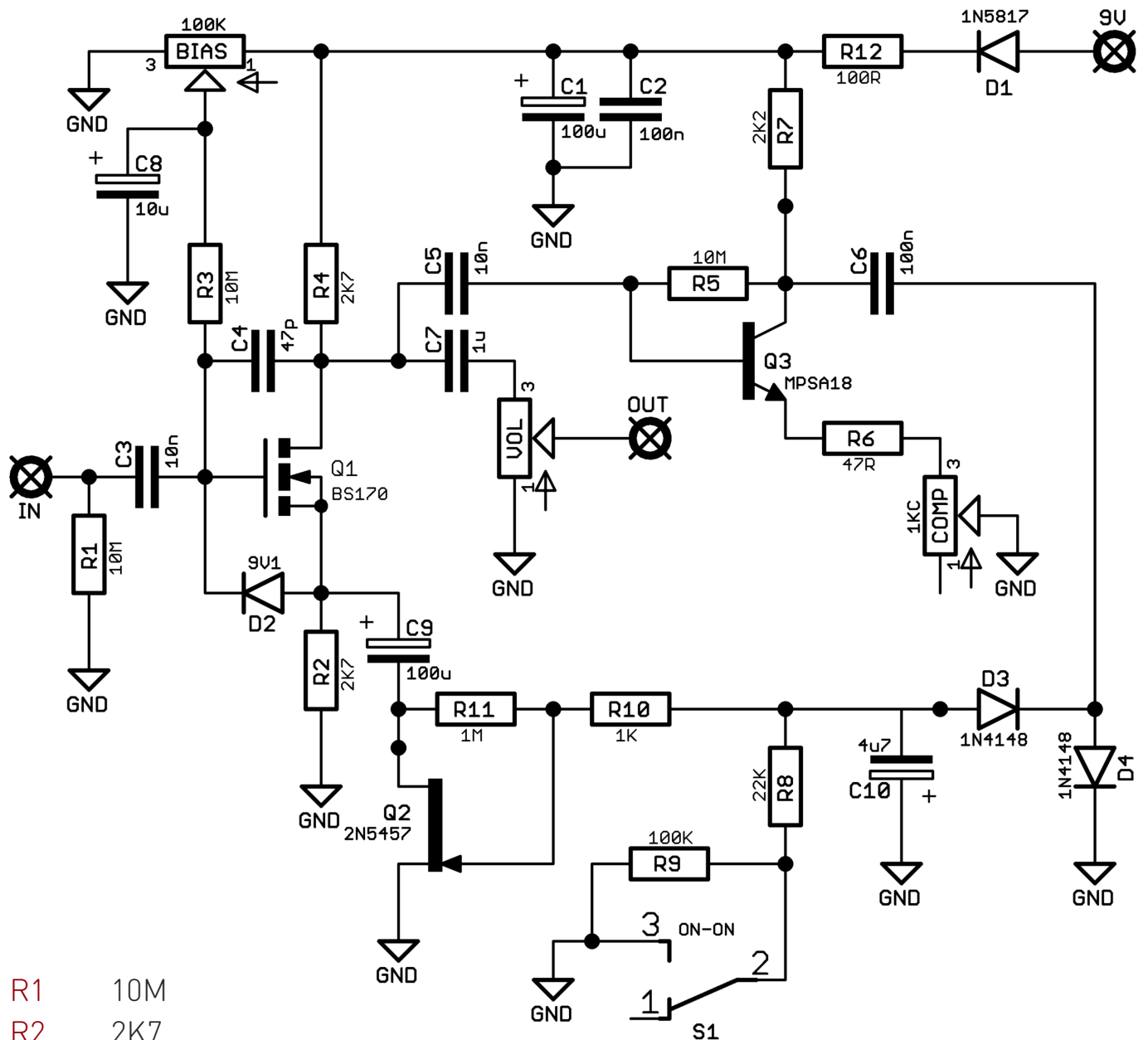


Before you dig in, ensure you download and read the **General Build Guide**.

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



# Schematic + BOM



R1 10M

R2 2K7

R3 10M

R4 2K7

R5 10M

R6 47R

R7 2K2

R8 22K

R9 100K

R10 1K

R11 1M

C1 100u elec

C2 100n

C3 10n

C4 47p

C5 10n

C6 100n

C7 1u

C8 10u elec

C9 100u elec

C10 4u7 elec

Q1 BS170

Q2 2N5457/MMBF5457

Q3 MPSA18

COMP 1KC

VOL 50KB

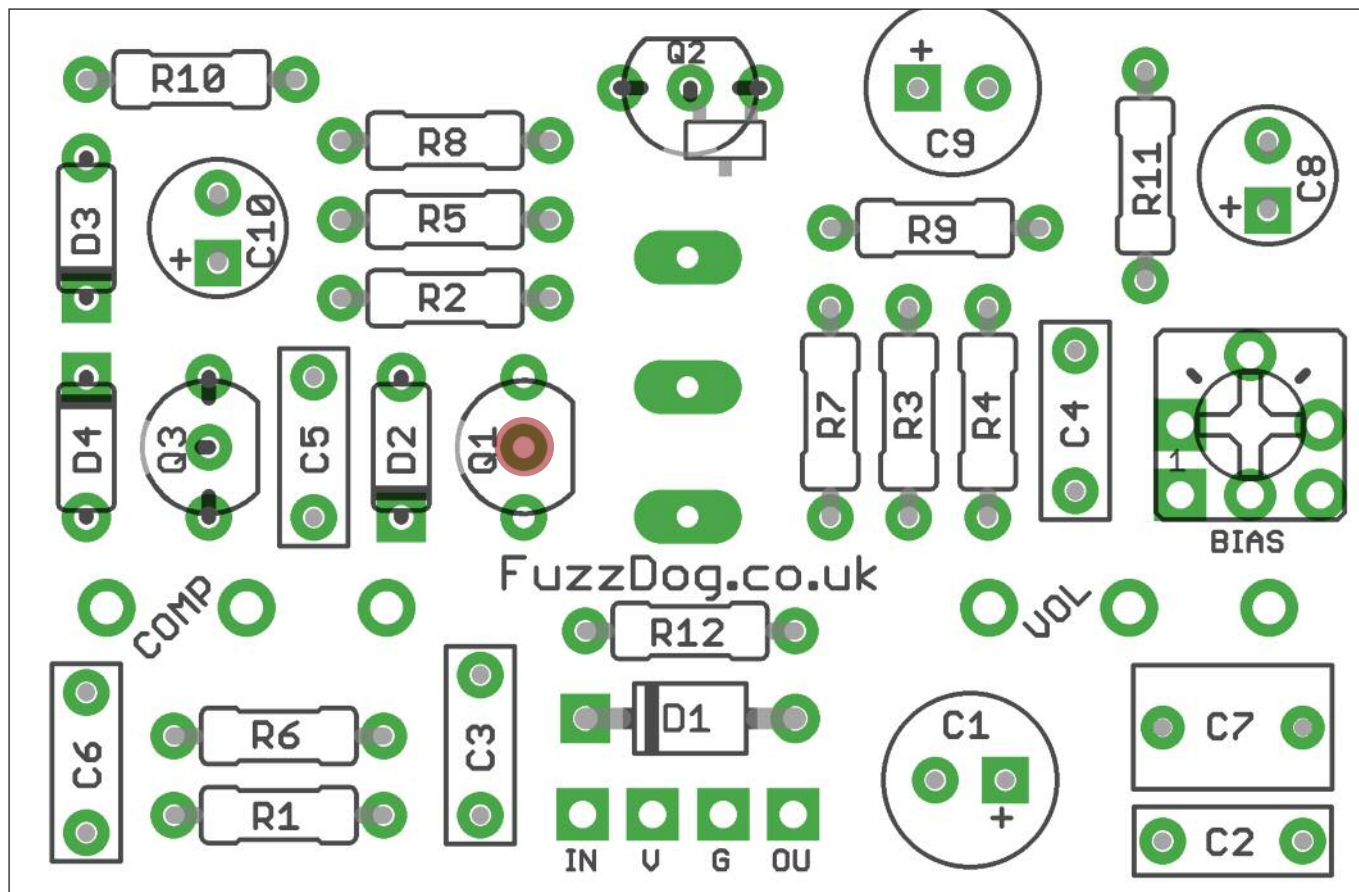
D1 1N5817

D2 9V1 Zener

D3-4 1N4148

BIAS 100K Trimmer

S1 SPDT ON-ON



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.

## BIASING

You can of course just set it by ear. Twiddle your Bias trimmer until you get the best balance of compression vs distortion. If you want to go by the numbers, adjust your trimmer until you hit between 5-5.5V on the drain of Q1 marked above. From there, make small adjustments until you're happy with it.

**Note - this circuit doesn't deal well with heavy-handed attack. You'll get low end distortion if your dynamics are too heavy.**

# Drilling template

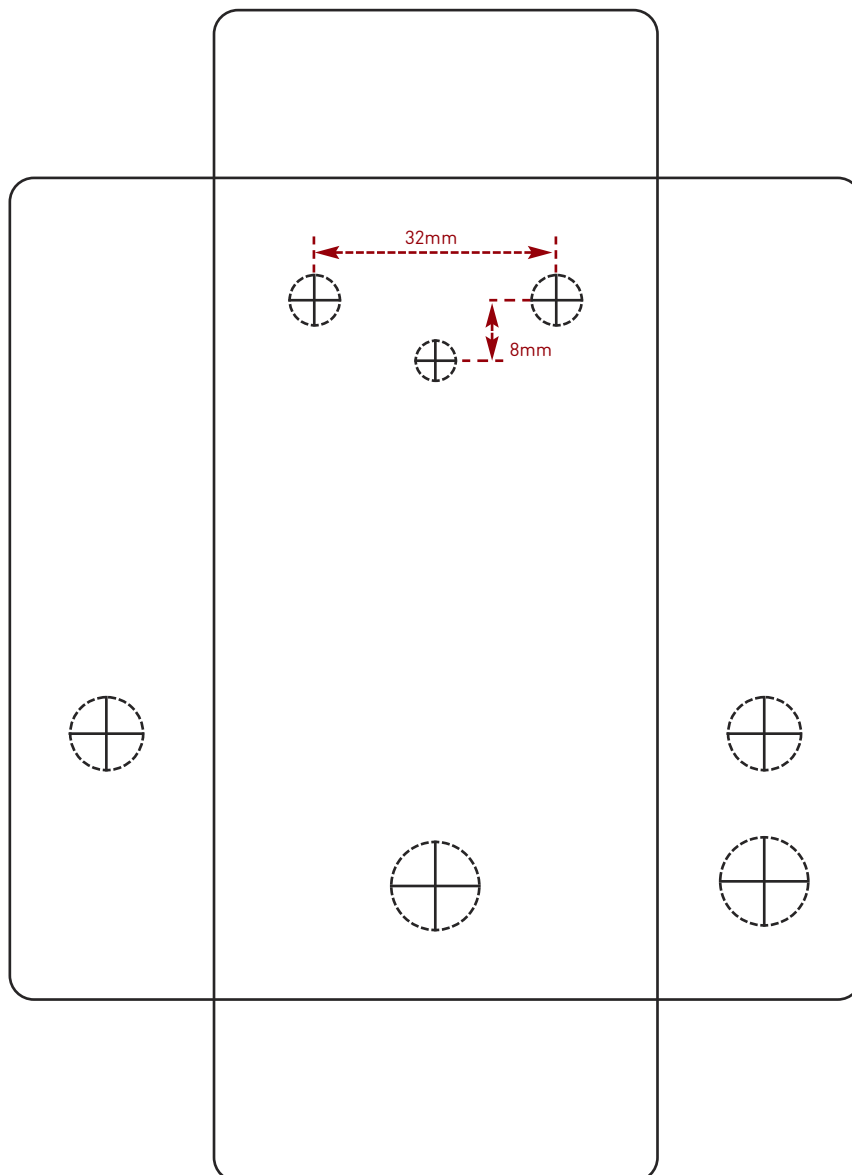
**Hammond 1590B - 60 x 111 x 31mm**

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



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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