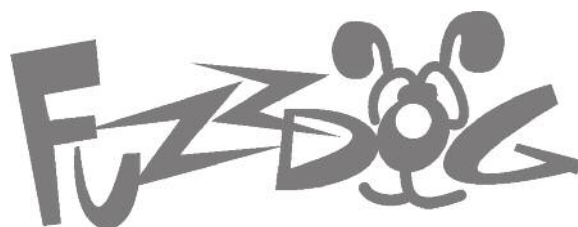


# Bax Stax

Drop-in Baxandall tone-stack

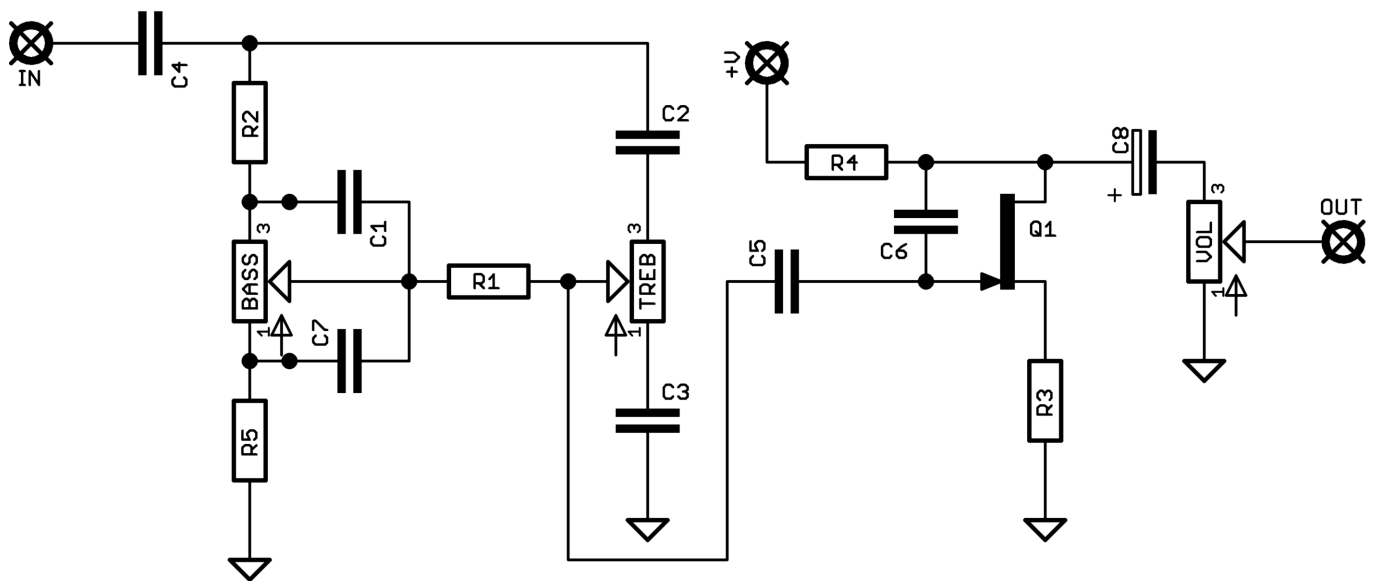


Before you dig in, ensure you download and read the **General Build Guide**.

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



# Schematic+ BOM



**Yes, it's a James tone stack, which is a passive version of a Baxandall tone stack, or vice versa as the James came first. Don't write in!**

C4 and C5 are your tone input and output caps. Use the value you're replacing in the main circuit in here, or you can normally play it safe using 100n.

## MANX LOAGHTAN

R1	100K
R2	100K
R5	2K2
C1	470p
C2	1n
C3	4n7
C7	10n
BASS	500KA
TREB	500KB

## SFT

R1	100K
R2	100K
R5	2k2
C1	470p
C2	680p
C3	10n
C7	10n
BASS	500KA
TREB	500KB

## BOOST SECTION

R3	1K5
R4	10K
C6	100p
C8	1u elec
Q1	2N5457*
VOL	100K trim

## EAE DAGGER

R1	10K
R2	20K
R5	2K2
C1	10n
C2	1n
C3	10n
C7	47n
BASS	100KA
TREB	100KA

## TWIN TWELVE (FD mod)

R1	200K
R2	100K
R5	4K7
C1	1n
C2	1n
C3	10n
C7	4n7
BASS	1MA
TREB	1MA

\*Or MMBF5457. Other FETs will work.

# How to use

Identify the point in your circuit you want to add the tone stack to. We'll use the One Knob Fuzz here.

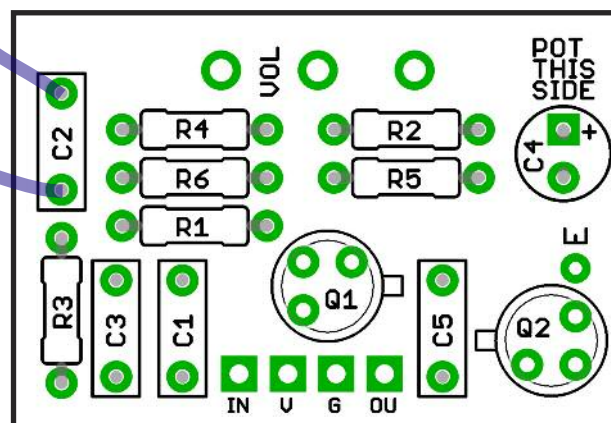
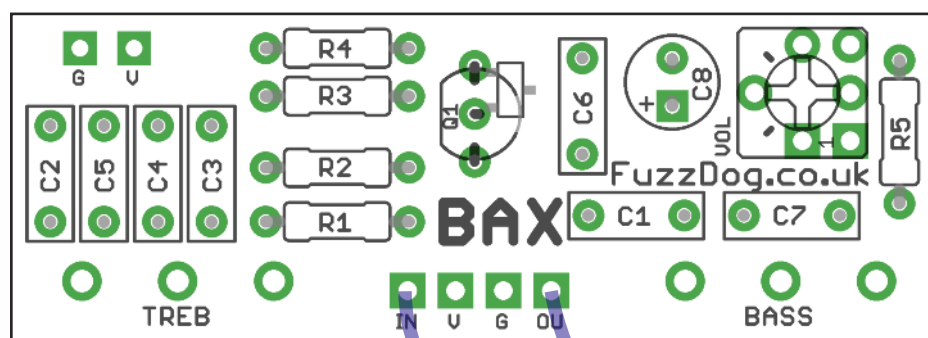
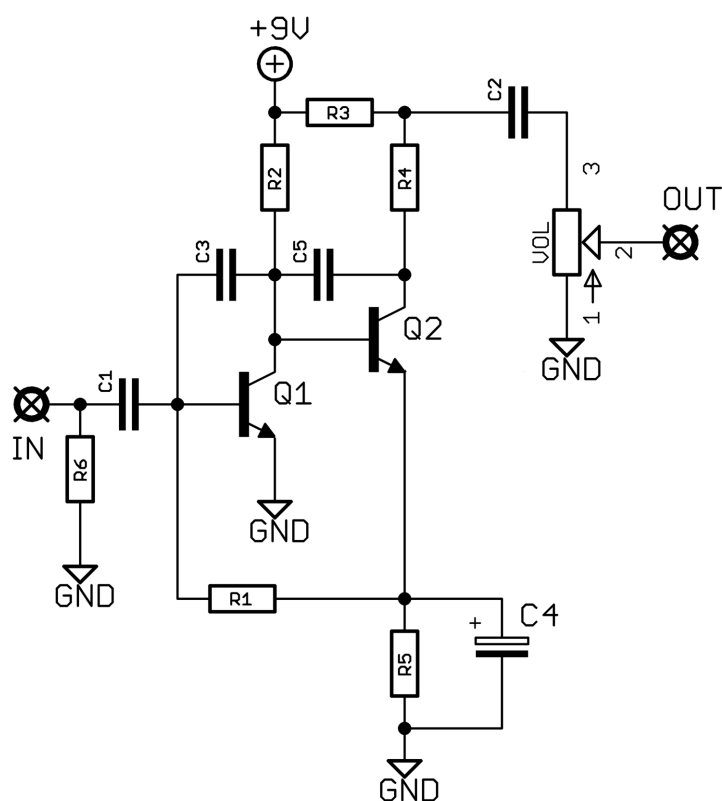
We're going to add the tone at C2, just before the output.

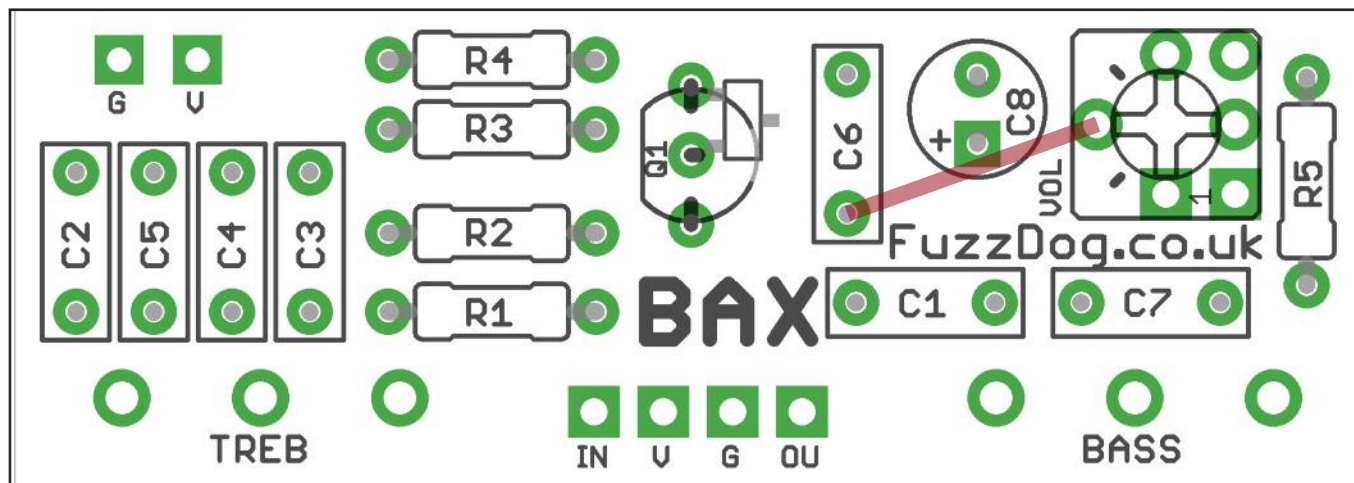
You'll need to identify which end of the cap you're replacing is which. In this case the tone IN should connect to the junction of R3/4 and C2, OUT to VOL 3.

Hook up the V and G to the power supply.

Adjust the VOL trimmer to get the output level you want.

Job done.





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.

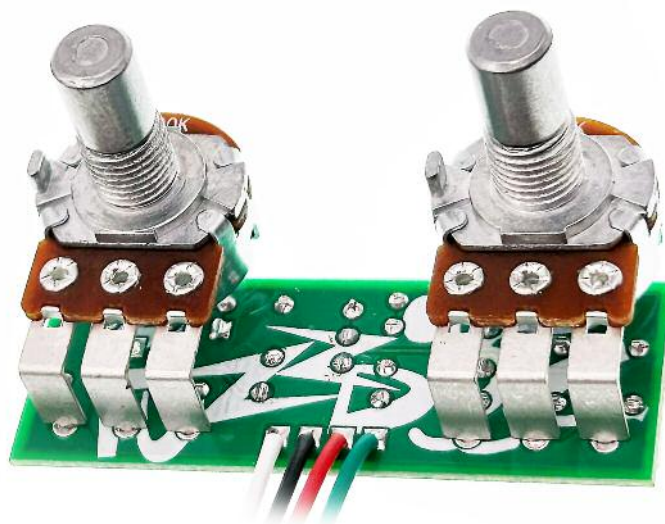
Once they're in place you'll have no access to much of the board.

You can use the circuit entirely passive without the boost if you like, but be aware there's a big volume drop caused by the tone circuitry. We'd recommend keeping it, as you can adjust the level of the recovery boost to suit your needs.

If you want to go passive, leave out the Boost components and add a jumper as shown above. Connect only IN, OUT and G.

To use the full circuit including boost, populate everything and connect IN, V, G and OUT.

There are additional V and G pads. Only use one of each - whichever is positioned most conveniently for your needs.



# 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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