

3-Band Stack

Drop-in TMB tone-stack

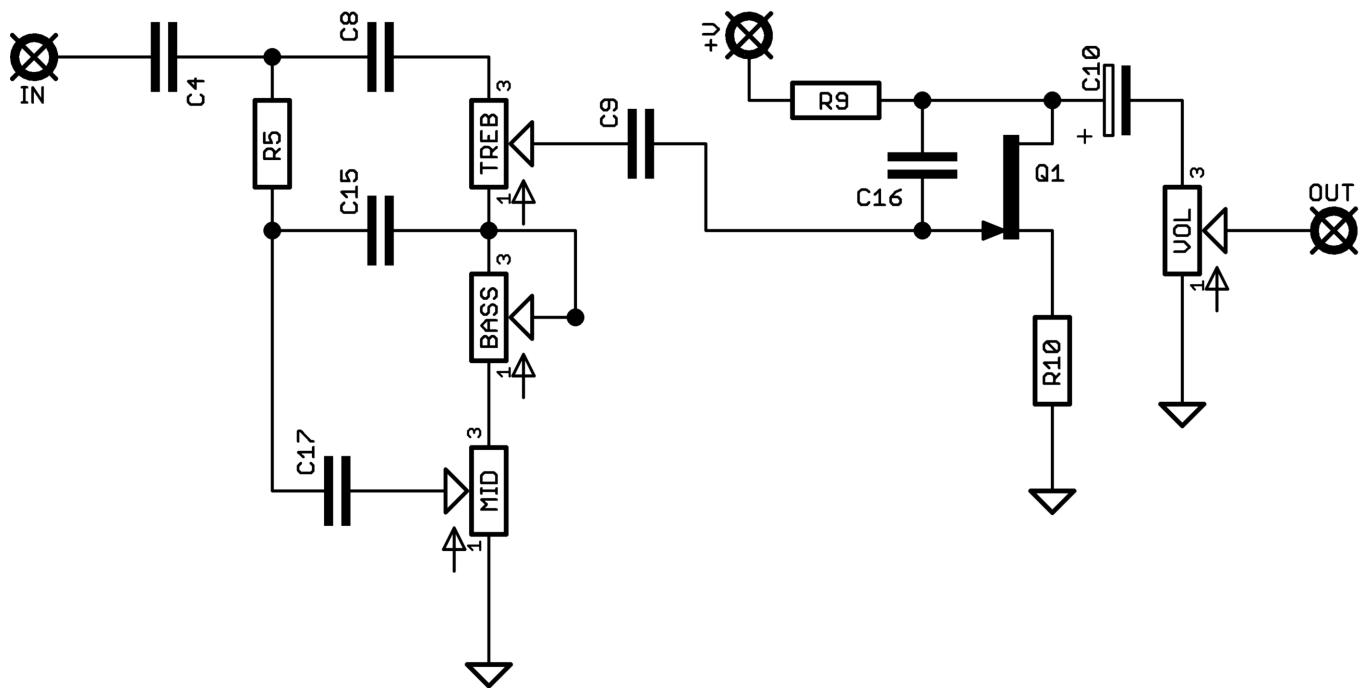


Before you dig in, ensure you download and read the **General Build Guide**.

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



Schematic+ BOM



C4 and C9 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.

MARSHALL

R5	33K
C8	470p
C15	22N
C17	22N
BASS	1MA
MID	25KA
TREB	250KA

FENDER BASSMAN

R5	100K
C8	250p
C15	100n
C17	22n
BASS	1MA
MID	25KB
TREB	250KB

BOOST SECTION

R10	1K5
R9	10K
C16	100p
C10	1u elec
Q1	2N5457*
VOL	100K trim

*Or MMBF5457. Other FETs will work.

Tune to stack to your own taste using the Duncan Tone Stack Calculator

<https://www.duncanamps.com/tsc/>

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.

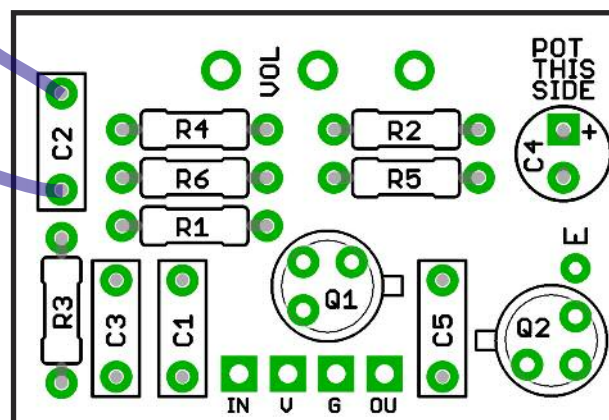
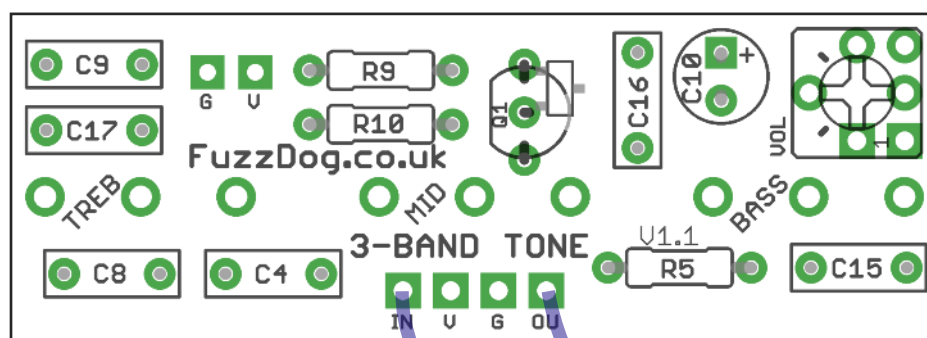
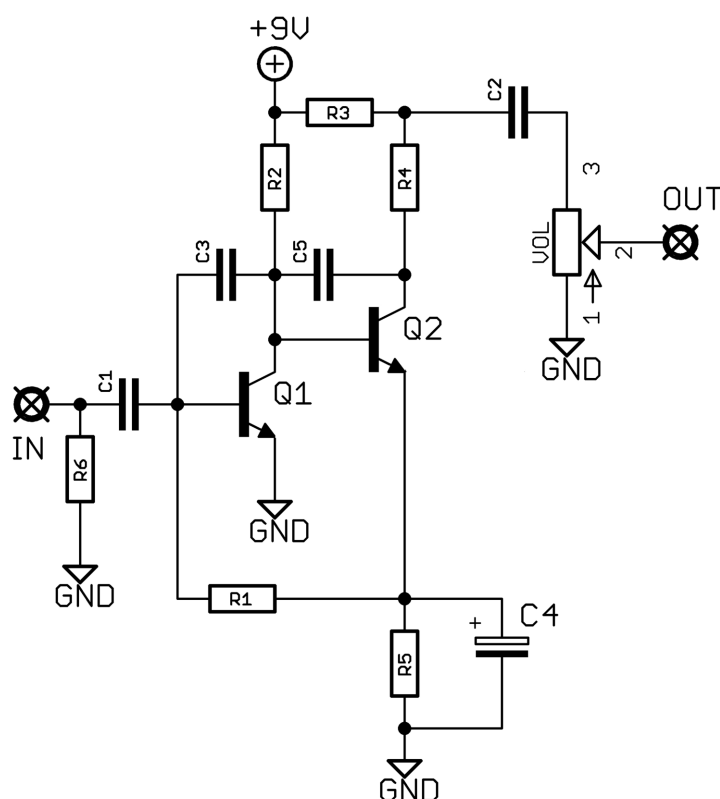
We're going to add the tone at C2, just before the output.

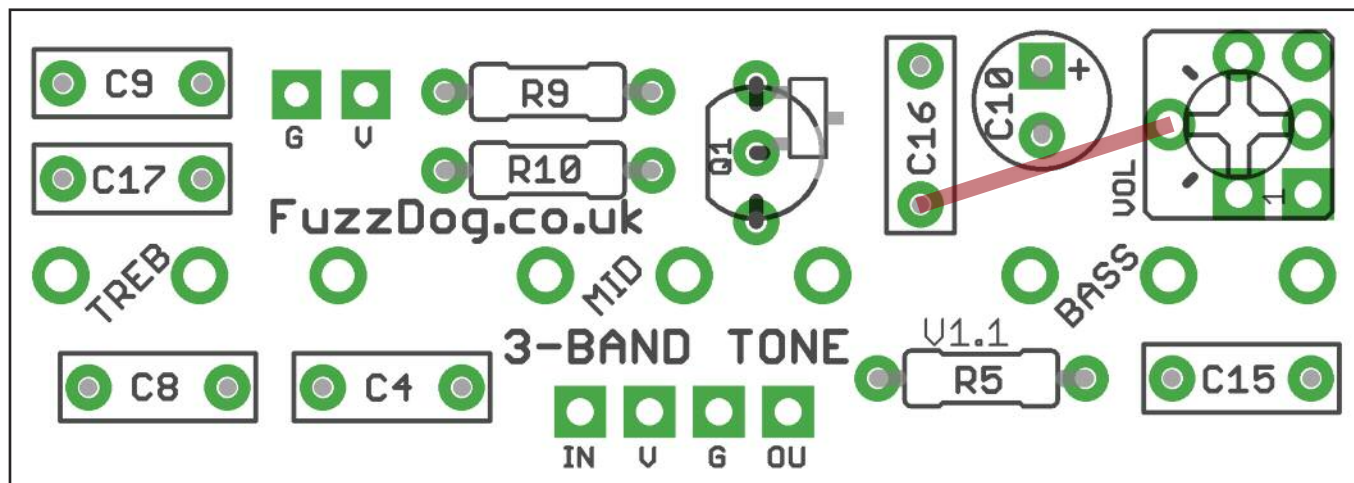
You'll need to identify which end of the cap you're replacing is which. In this case the tone IN should connect to the junction of R3/4 and C2, OUT to VOL 3.

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.

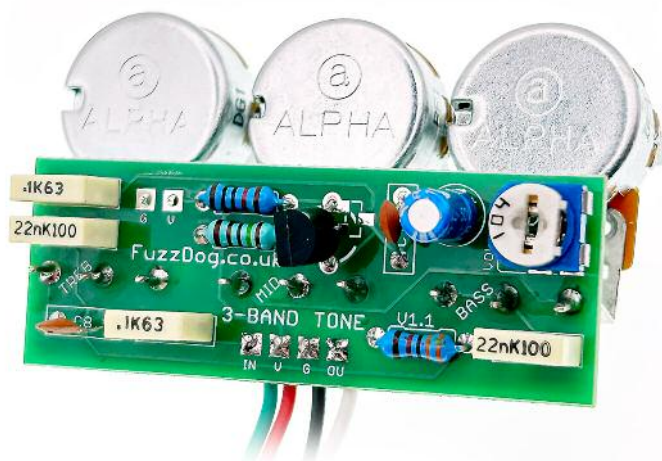
Once they're in place you'll have no access to much of the board.

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

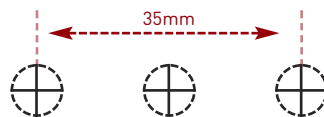
Hammond 1590B - 60 x 111 x 31mm

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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