

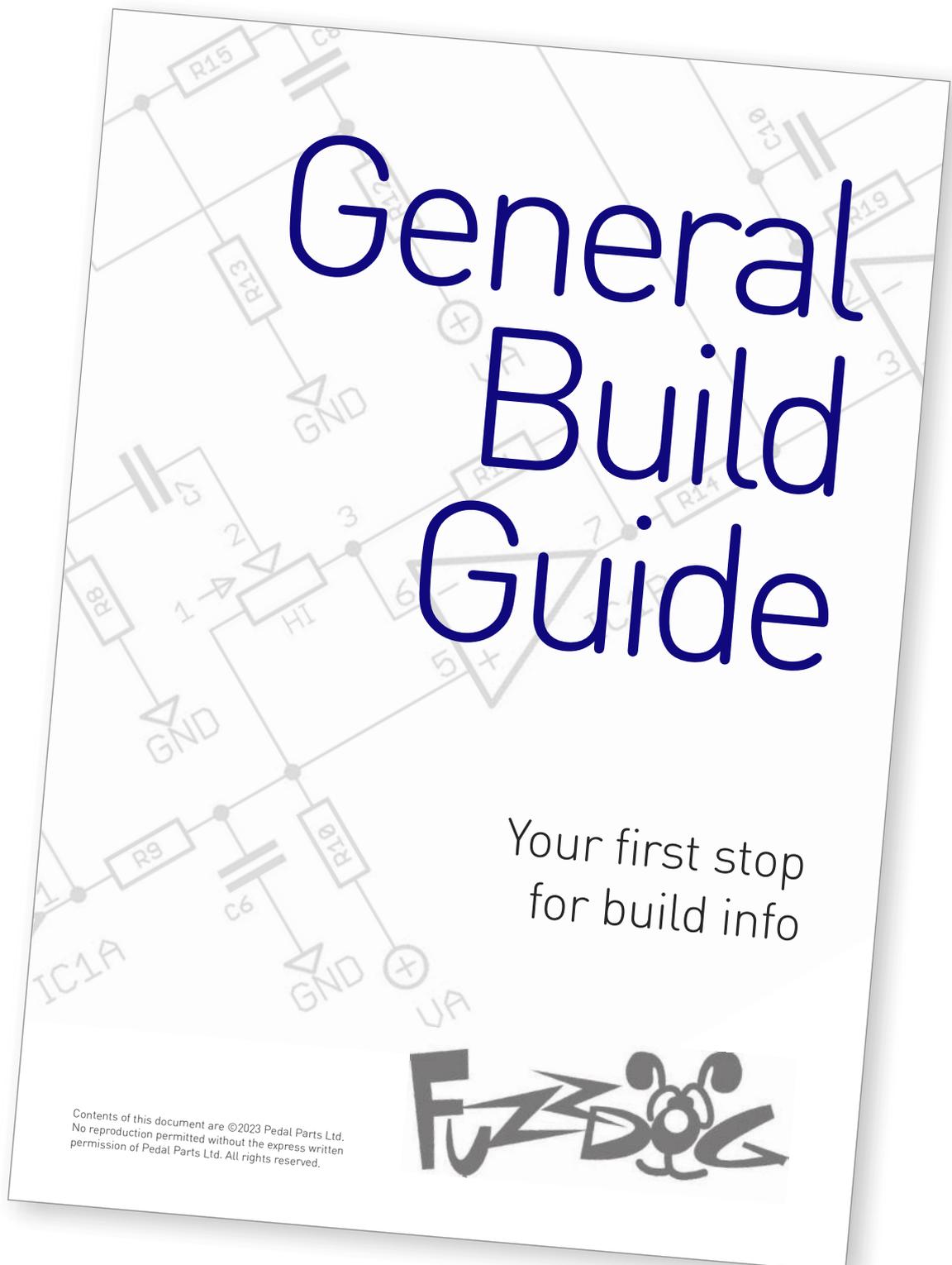
# Dumb Lloyd v2

Dumble-ish drive with a  
Tube Screamer base

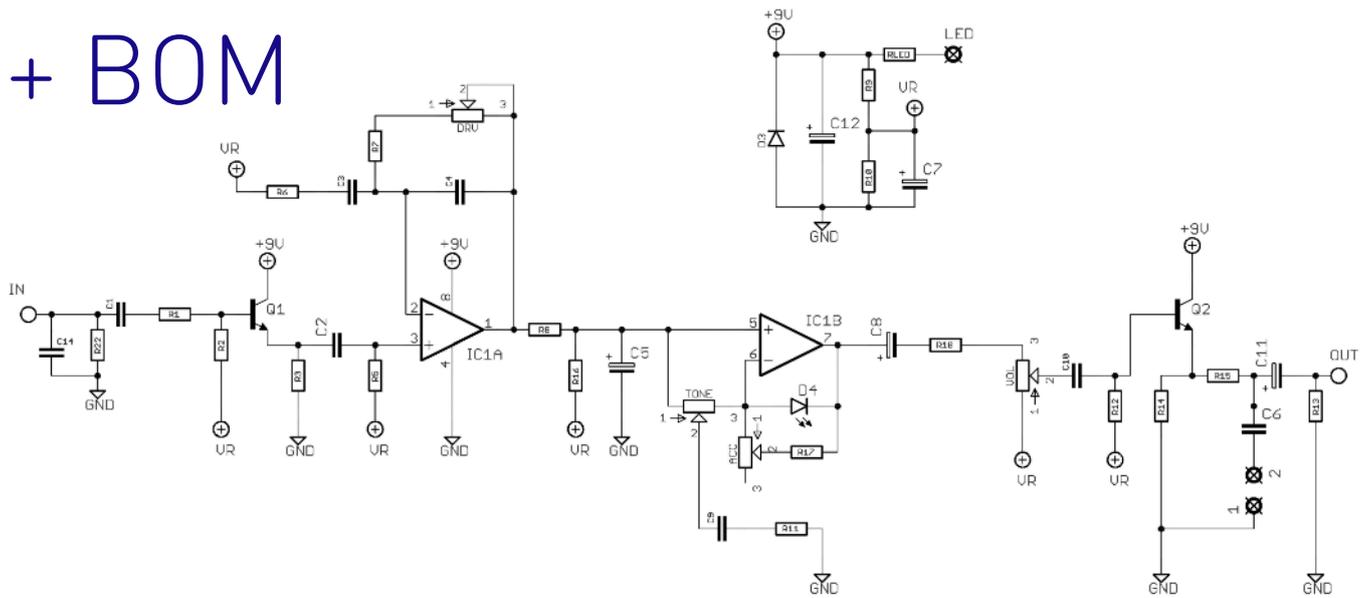


Before you dig in, ensure you download and read the **General Build Guide**.

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



# Schematic + BOM



<b>R1</b>	100R	<b>C1</b>	470n	<b>IC</b>	OPA2134
<b>R2</b>	150K	<b>C2</b>	1u	<b>Q1,2</b>	BC548B
<b>R3</b>	10K	<b>C3</b>	220n	<b>D3</b>	1N4001
<b>R5</b>	10K	<b>C4</b>	82p*	<b>D4</b>	3mm Red LED
<b>R6</b>	1K8	<b>C5</b>	220n***	<b>TONE</b>	20-25KB
<b>R7</b>	10K	<b>C6</b>	470n**	<b>DRIVE</b>	1MA
<b>R8</b>	1K	<b>C7</b>	47u elec	<b>LEVEL</b>	100KA
<b>R9</b>	10K	<b>C8</b>	2u2 elec	<b>ACCENT</b>	20-25KB
<b>R10</b>	10K	<b>C9</b>	100n		
<b>R11</b>	220R	<b>C10</b>	220n		
<b>R12</b>	100K	<b>C11</b>	22u elec		
<b>R13</b>	10K	<b>C12</b>	100u elec		
<b>R14</b>	10K	<b>C14</b>	100p		
<b>R15</b>	100R				
<b>R16</b>	10K				
<b>R17</b>	1K				
<b>R18</b>	1K				
<b>R22</b>	1M				
<b>RLED</b>	Empty				

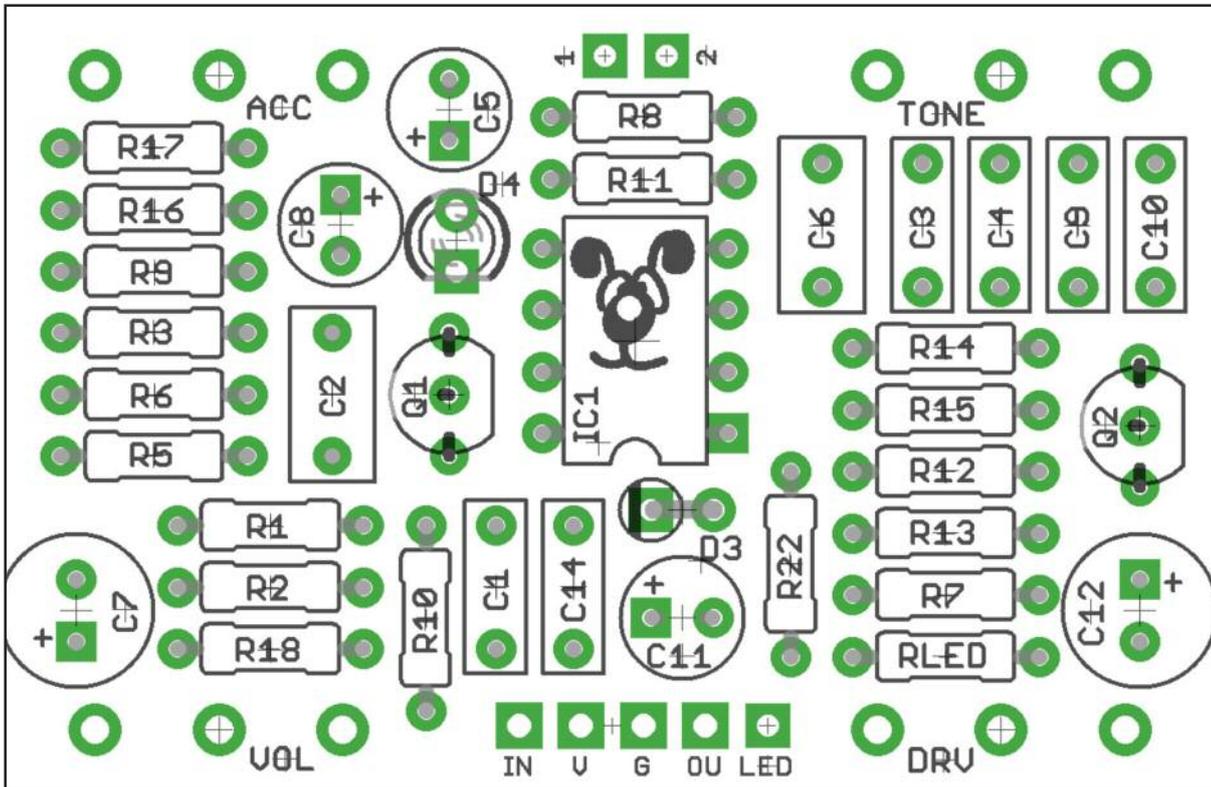
\*It's very unlikely you'd hear any difference if you want to use a 100pf cap for C4.

\*\*C6 has been included in case you want to make the 'Special' version. If not, leave it out. See page 5.

\*\*\*C5 was left as an electrolytic - a hangover from the Tube Screamer schematic. An electrolytic will work fine, but you can use a non-polarised cap if you can get one in 2.5mm pitch.

There's nothing particularly special about the IC or the transistors. Go ahead and try any other dual op-amps and BJTs. Note that the pinout of the BC548B is opposite to 2N3904/2N5088 etc.





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

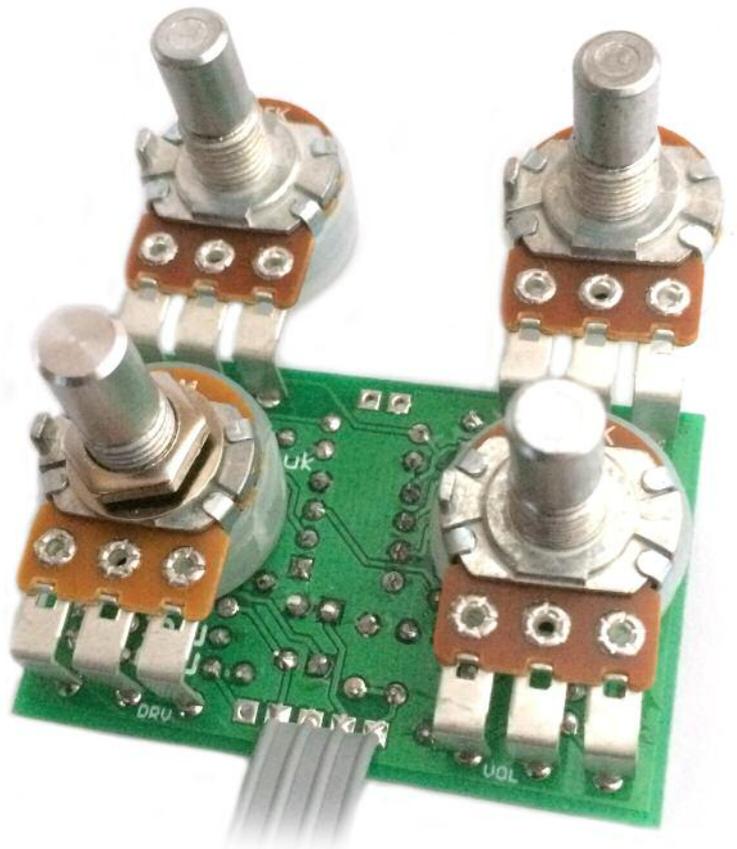
You should solder all other board-mounted components before you solder the pots.

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

RLED should be left empty. This is now placed on the footswitch daughterboard. Ignore the LED pad. See General Build guide for details.

## SPECIAL EDITION - JAZZ or ROCK???

If you want to build the Deluxe version, simply include C6 in your build, and add a toggle switch to pads 1 and 2, above R8 on the PCB. This can be a SPST. It just takes C6 in and out of the circuit.



# Drilling template

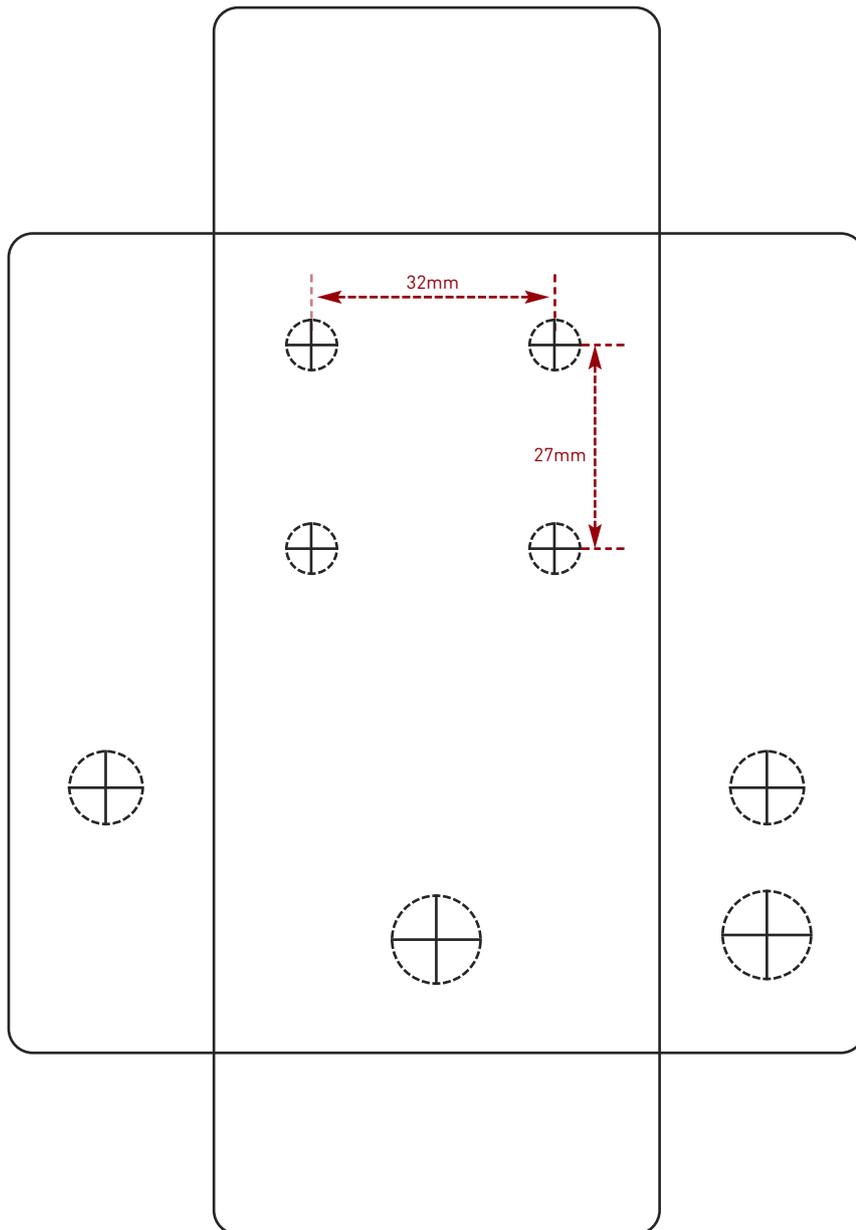
**Hammond 1590B - 60 x 111 x 31mm**

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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