
GuitarPCB Presents

NostalgiTone Cock-It-Wah Single

The iconic parked wah tones that defined rock history.

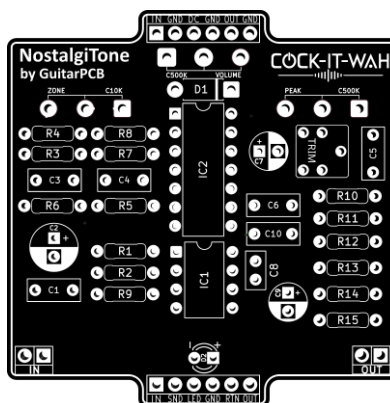
Cock-It-Wah delivers one of the most iconic guitar tones in rock history: the unmistakable voice of a wah pedal left in the perfect position. Rather than sweeping through a traditional wah range, Cock-It-Wah captures the focused, vocal character players discovered by leaving a wah parked at their favorite sweet spot.

From Mick Ronson's legendary guitar tones with David Bowie, to Michael Schenker's signature UFO-era sound, the distinctive parked-wah tones heard in Jimmy Page's solos, the unmistakable filtered character of Soundgarden's "Rusty Cage," and the iconic filtered tone heard in Mark Knopfler's "Money For Nothing," this focused wah voice has helped define some of rock's most recognizable guitar tones.

Unlike a traditional wah pedal, Cock-It-Wah gives you that signature parked-wah character in a compact pedal format without the need for a large enclosure or treadle mechanism. The adjustable PEAK control and internal frequency range trim allow builders to tune the filter response from thick, vocal midrange tones to sharper, more cutting lead voices. Set your perfect position, lock in your signature sound, and make that legendary parked wah character a permanent part of your rig.

🔧 Easy Wiring: No more daunting wiring hassles! Say hello to beauty under the hood. Enjoy all-analog tones with modern features that will slip into your gig bag, ensuring you are always ready to unleash your musical magic.

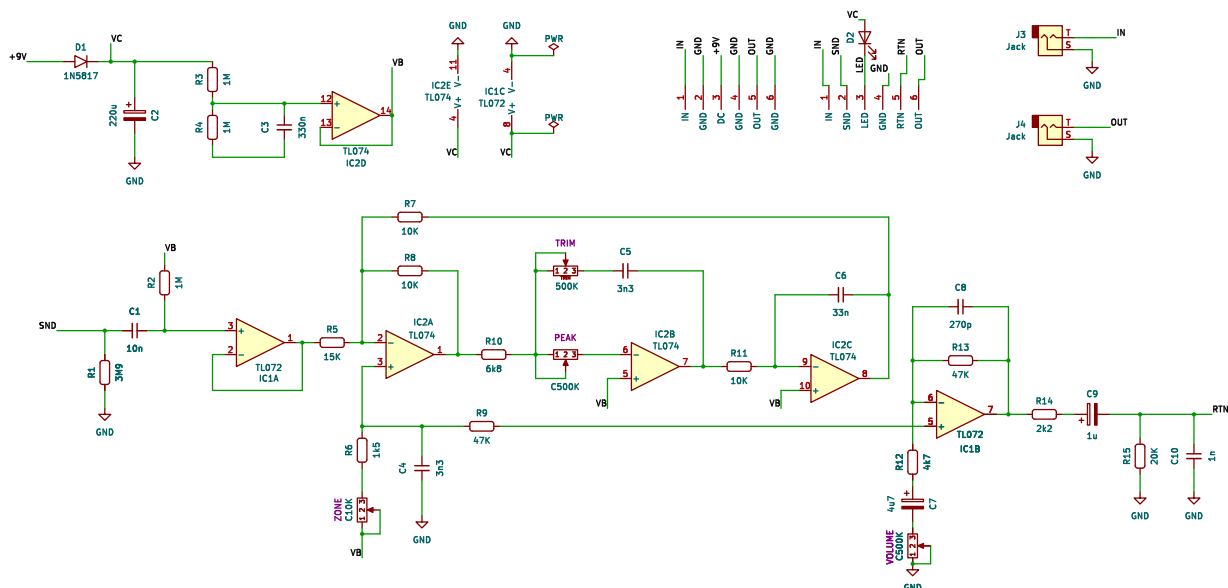
🔧 Available Components: We recognize the hurdles of component availability. Rest assured, we've carefully selected components for the **NostalgiTone** series currently available from today's popular vendors.



Mainboard Dimensions – 2.10" x 2.12"

Included with each PCB purchase. – (1) Mainboard, (1) wiring board, and (1) ribbon cable.

Schematic:



Bill of Materials:

PART	VALUE	PART	VALUE	PART	VALUE	PART	VALUE	PART	VALUE
R1	3M9	R8	10K	R15	20K	C6	33n	IC1	TL072
R2	1M	R9	47K			C7	4u7	IC2	TL074
R3	1M	R10	6k8	C1	10n	C8	270p	TRIM	500K
R4	1M	R11	10K	C2	220u	C9	1u	ZONE	C10K
R5	15K	R12	4k7	C3	330n	C10	1n	PEAK	C500K
R6	1k5	R13	47K	C4	3n3	D1	1N5817	VOLUME	C500K
R7	10K	R14	2k2	C5	3n3	D2	Status LED	* CLR - 1	1k8 - 4k7

Build Notes:

Included with the purchase of the main PCB board will be (1) standard foot switch wiring board (6 pins), and (1) 6 pin ribbon cable. This simplifies the wiring process while keeping troubleshooting and noise to a minimum.

Note the extra IN / Out pads located at the bottom of the PCB which are conveniently placed if you wish to use side jacks.

Use a standard 6-pin ribbon cable to connect the foot switch wiring board with the main board. The 3PDT wiring board contains an onboard (CLR) current limiting resistor. This is to protect and adjust the brightness of their corresponding main board status LEDs. A value of 1k8 to 4k7 may be used.

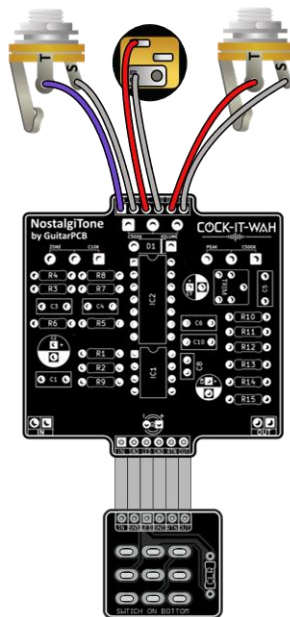
* **CLR x1** - Each wiring board requires an onboard (CLR) current limiting resistor. This is for the main board status LEDs. A 1k8 (Bright) value to 4k7 (Dim) may be used. A main Status LED is to show the active status.

TRIM and PEAK Adjustment

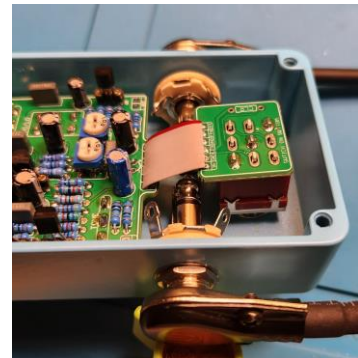
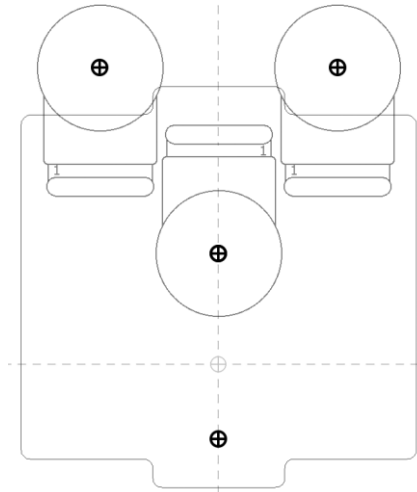
Cock-It-Wah uses two controls to shape the final wah character. The external PEAK control allows players to select the desired parked wah frequency, while the internal TRIM adjustment allows builders to fine-tune the available frequency range of the circuit.

Think of TRIM as setting the overall range and PEAK as selecting the final position within that range. Adjusting TRIM allows the PEAK control to be centered around different tonal areas, from thicker, more vocal midrange tones to brighter, more cutting lead voices

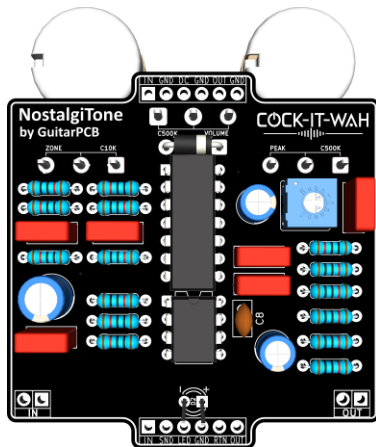
Wiring Diagram



Generic Drill Template

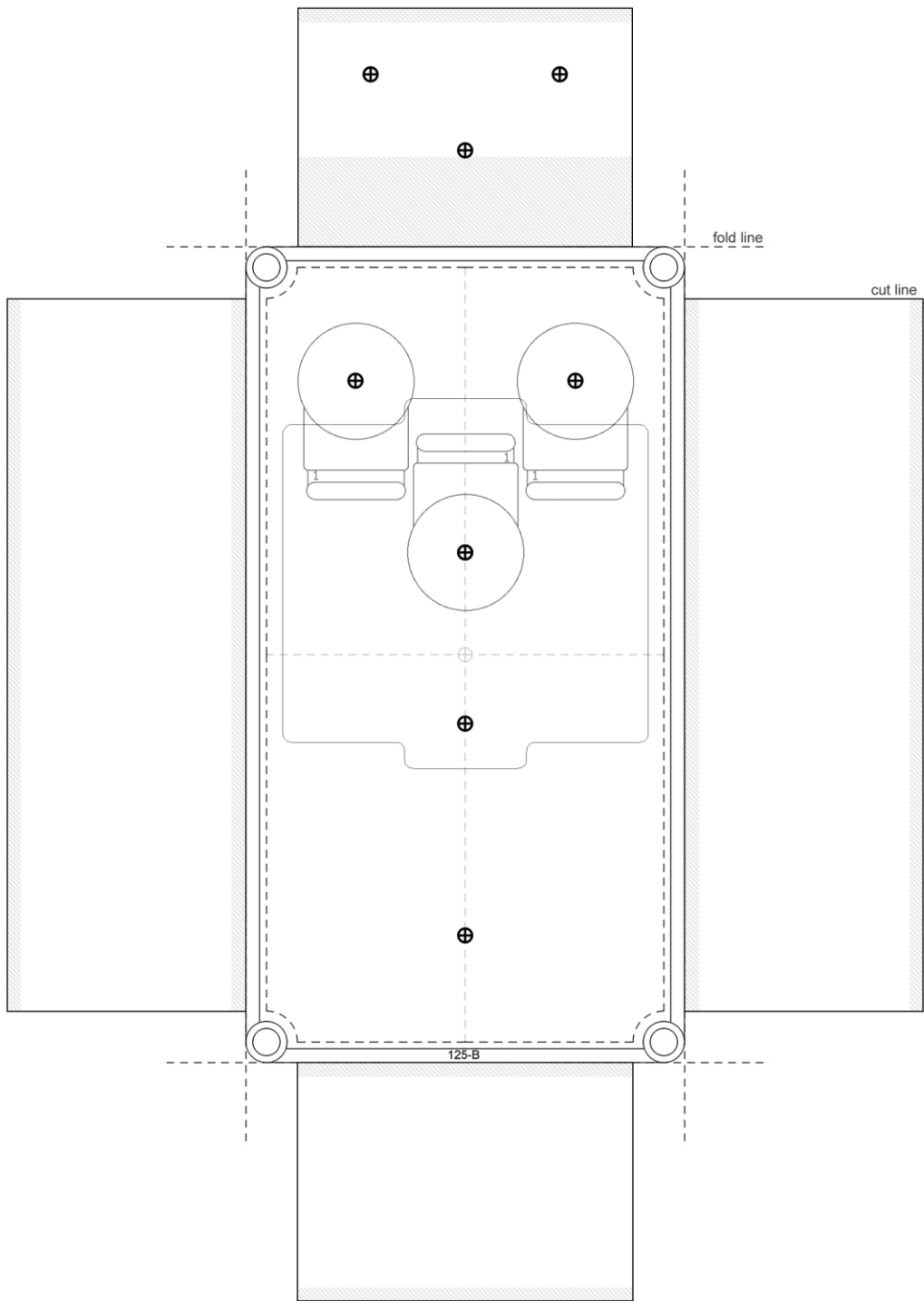


When using 1590B enclosures, it is best to mount the ribbon cable on top of the main board/3PDT wiring board instead of underneath. This is because the enclosure's compact size restricts space for the side jack Input and Output plugs.

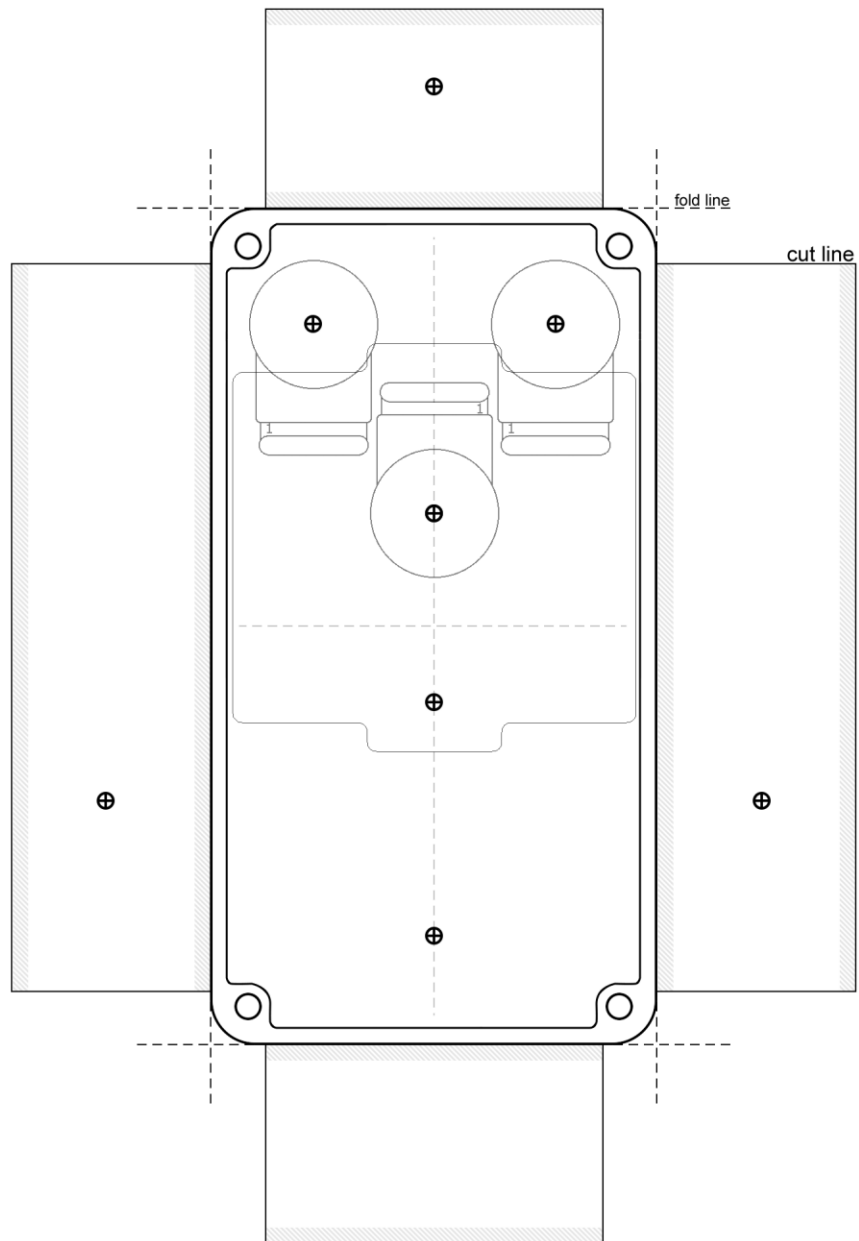


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The full-size drill templates for 125B and 1590B enclosures can be found on the following two pages. Additionally, you can find a link to Tayda's pre-drilled enclosures on the shop page at GuitarPCB.com.



125B Drill Template



1590B Drill Template