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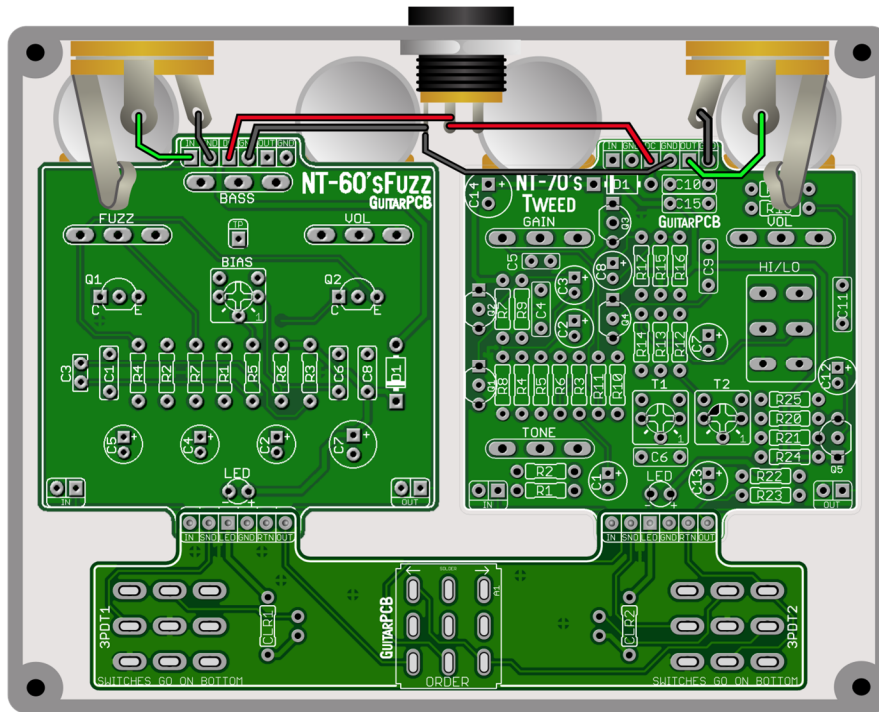
# GuitarPCB Presents

## Tweed Fuzztone Deluxe - Dual Combo

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Prepare for an extraordinary fusion of two iconic designs. Introducing the Tweed Fuzztone Deluxe, a powerhouse combo capturing the iconic tones of the Tweed Deluxe amplifier, with a classic Fuzz pushing it to new sonic territory. It was designed for guitarists craving that elusive Tweed tone featured on records by legends like Neil Young, Billy Gibbons, Joe Walsh, Rich Robinson, and Mike Campbell.

Combining both circuits unleashes a vast array of tones unmatched by any other combination. With built-in Order switching, you have complete control over your tone like having an entirely different pedal at the flip of a switch. Point the toggle at the effect you want first.



**Order switching is built-in, with pin header connections making wiring a breeze.**

Ideal for a 1590BB2 enclosure, featuring the same dimensions as a 1590BB but with 125B clearance for jacks.

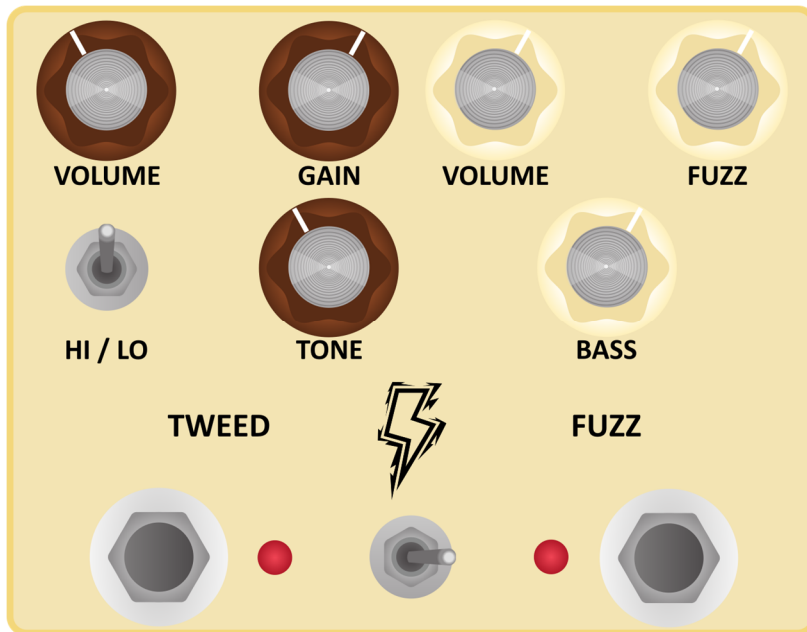
**Included with each Dual Combo purchase. – (2) Mainboards, (2) pin headers, (1) Dual wiring board.**

Part	Value	Part	Value	Part	Value	Part	Value	Part	Value
R1	1M	R11	68k	R21	5k6	C5	470pF	C15	100n
R2	1M	R12	10k	R22	5k6	C6	4n7	CLR	1k8-4k7
R3	33k	R13	5k1	R23	100R	C7	22uF	D1	1N5817
R4	15k	R14	3k9	R24	10k	C8	1uF	LED	Status
R5	56k	R15	1M	R25	10k	C9	22n	Q1 - Q5	* 2N5457
R6	4k7	R16	1M			C10	1n	T1 - T2	10k Trim
R7	1M	R17	1k	C1	1uF	C11	100n	VOL	A250K
R8	1M	R18	47k	C2	22uF	C12	2u2	GAIN	A1M
R9	1k	R19	100R	C3	2u2	C13	22uF	TONE	C1M
R10	1M	R20	1M	C4	10n	C14	100uF	HI/LO	DPD2 On/Off

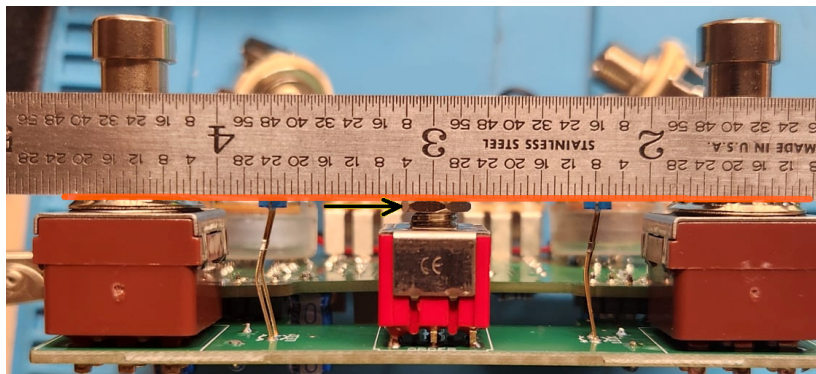
Part	Value	Part	Value	Part	Value
R1	1k	C1	4n7	Q1	BC183A
R2	2M2	C2	1uF	Q2	BC183B
R3	39k	C3	27pF	CLR	1k8-4k7
R4	120k	C4	10uF	FUZZ	B1k
R5	4k7	C5	4u7	VOL	C500K
R6	330R	C6	10n	BASS	C100K
R7	27R	C7	100uF	BIAS	10k
D1	1N5817	C8	100nF	TP	Test Pad

### Build Notes:

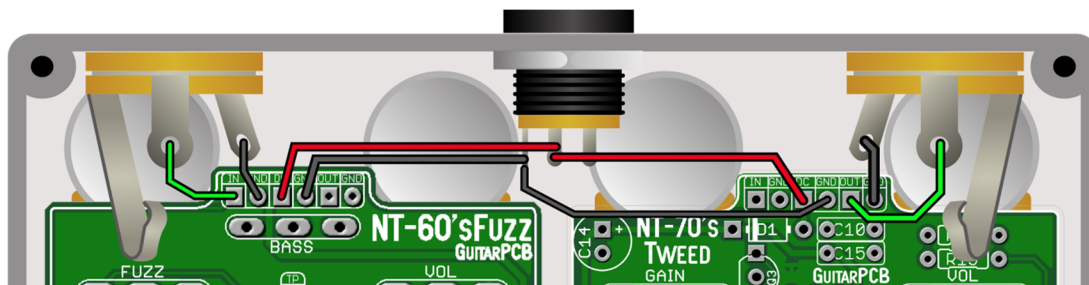
1. Solder the short side of both pin headers to the top of each main board, pointing upward. Next, solder all three switches, and (CLR)s, to the Dual PCB. Crimp hang the LEDs (optional) if mounting to the dual wiring board.
2. Since the Dual PCB offers an additional LED Status location, you can choose your preferred setup. Whichever option you pick, solder a small jumper on the unused LED pads. (CLR)s are essential regardless of the installation choice.
3. Remove both nuts on each of the 3PDT foot switches for the best height match. Adjust the height of the Order Switch height adjustment nut so it is level with the foot switches (see photo next page). Do not over-tighten.
4. Install the Dual PCB by sliding it over both pin headers. Once the foot switches and toggle switch are secured correctly within the enclosure, proceed to solder the long side of the pin header to the dual wiring board.
5. There are two (CLR) Current Limiting Resistors crucial to protect and adjust the brightness of their corresponding status LED. You may use a value of 1k8 (Bright) to 4k7 (Dim).
6. Use the Test Pad to Bias to set your Fuzz tone. Set the voltage to 4.5v for a smoother Fuzz or dial it down for more gated tones.
7. Q1 - Q2 (BC183) are excellent for Fuzz. They do have a unique pinout so compare datasheets/silkscreen before substitution.
8. The Tweed section has trimmers for gain (level). T1 and T2 should be set at minimum rotation as stock. Increase as needed.
9. Q1 - Q5 of the Tweed section suggests 2N5457. You may also use J113, J201, MPF102, etc., with excellent results.



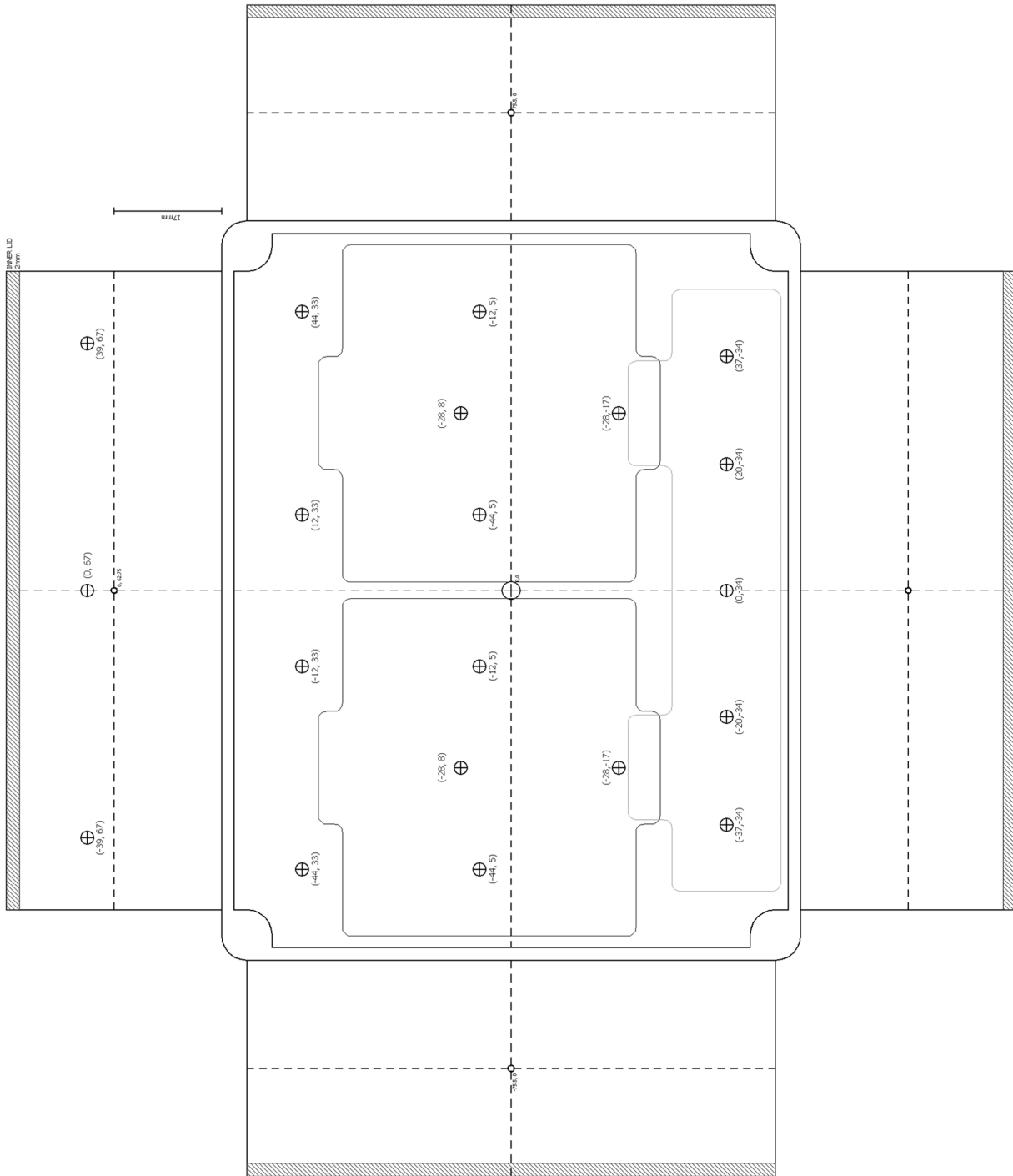
#### Easy Pre-installation Height Adjustment



#### Easy Wiring Diagram



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### 1590BB2 Drill Template

**Note:** Each section features drill hole patterns suitable for either a three-knob or four-knob circuit.

**Study the template and drill only the holes you need for your project.**

**You can find a link to a Tayda Drilled enclosure on the GuitarPCB shop page. You must install the two status LEDs on the dual wiring board if you order the drilled enclosure.**