
GuitarPCB Present

NostalgiTone Diamond 30 Single

Classic British Chime. Modern Control.

Diamond 30 is a British-style amplifier preamp built around chime, clarity, and touch-sensitive response, with a carefully selected asymmetrical clipping arrangement that uses different diode thresholds to shape the character of the overdrive. From clean and edge-of-breakup tones to more aggressive overdrive, it responds to the way you play while letting the character of your guitar come through.

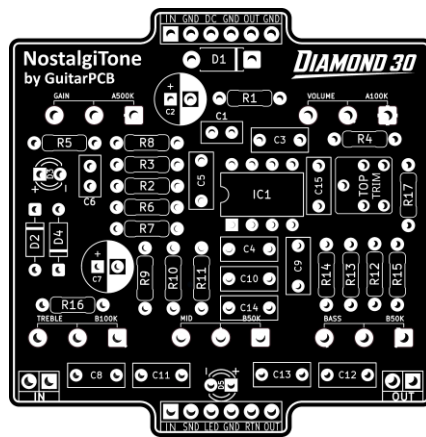
Active three-band EQ is at the heart of Diamond 30. The Bass, Mid, and Treble controls work within the active gain stage, giving you direct control over how the preamp responds across the frequency spectrum. Push the low end, bring the mids forward, or open up the top end to find the combination that works with your guitar and amplifier.

An internal TOP trimmer provides additional control over the circuit's upper-frequency character. Designed as a set-and-forget adjustment, it lets you fine-tune the amount of chime and sparkle to complement your guitar and rig. Bright, articulate Strat- and Tele-style guitars can be dialed back for just the right amount of chime, while humbucker-equipped guitars can be opened up for additional clarity. Set the character. Shape the tone. Make it yours.

🔧 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.

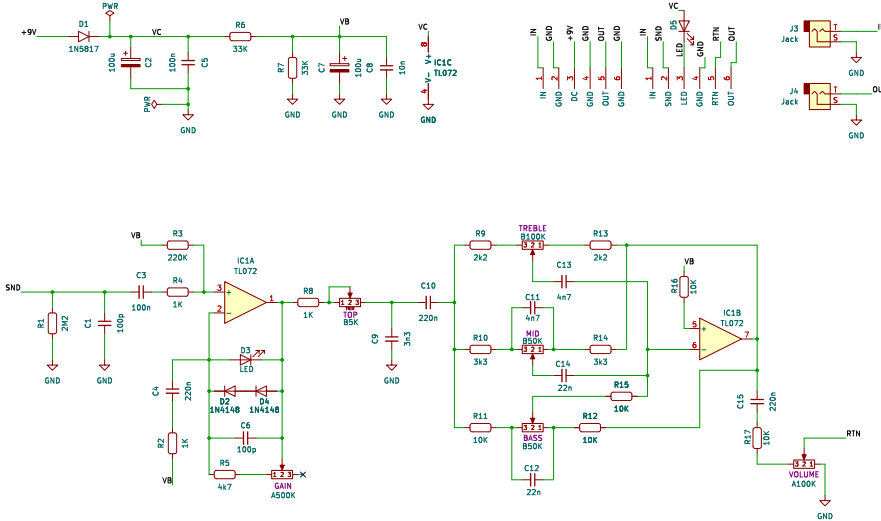
Do not settle for the ordinary when you can have extraordinary. Elevate your tone with the **NostalgiTone** series singles from GuitarPCB. Get yours today and discover a world of sonic possibilities like never before!



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
R1	2M2	R13	2k2	C7	100u	D3	RED LED
R2	1K	R14	3K3	C8	10n	D4	1N4148
R3	220K	R15	10K	C9	3n3	D5	Status LED
R4	1K	R16	10K	C10	220n		
R5	4k7	R17	10K	C11	4n7	IC1	TL072
R6	33K			C12	22n		
R7	33K	C1	100p	C13	4n7	TOP TRIM	B5K
R8	1K	C2	100u	C14	22n	VOLUME	A100K
R9	2k2	C3	100n	C15	220n	GAIN	A500K
R10	3k3	C4	220n			TREBLE	B100K
R11	10K	C5	100n	D1	1N5817	MID	B50K
R12	10K	C6	100p	D2	1N4148	BASS	B50K

Bill of Materials represents Kit values. Mods are not included with Kits.

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.

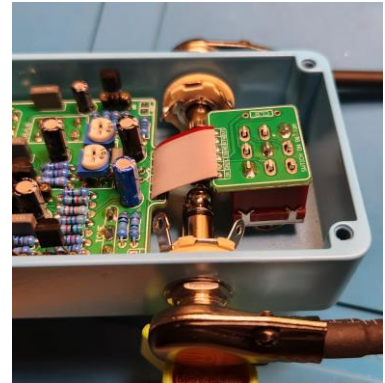
* LED mounting: A main Status LED is to show the active status. You must use a 1k8 (Bright) to 4k7 (Dim) CLR mounted on the wiring board.

TOP Trimmer

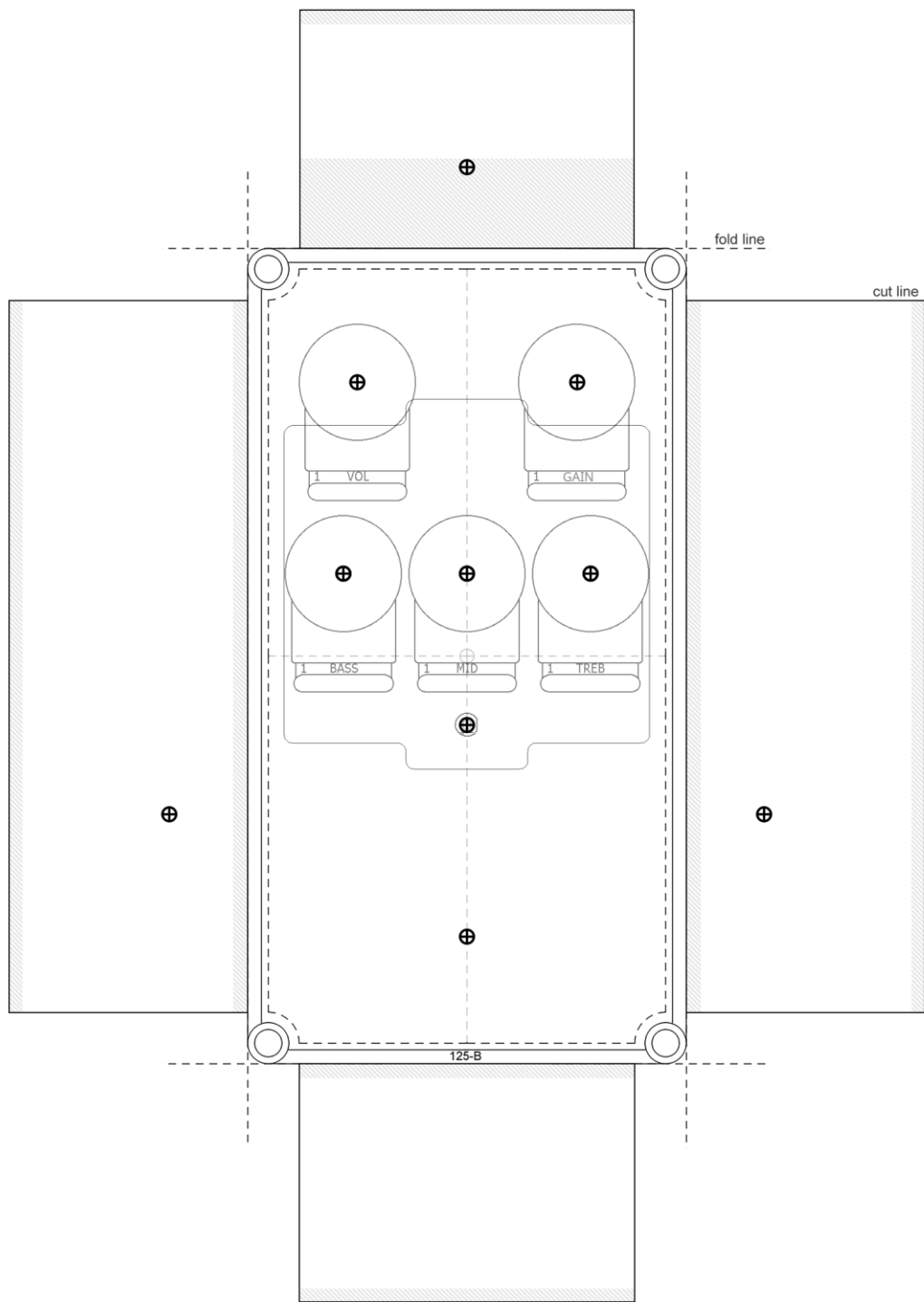
The internal TOP trimmer provides additional control over the circuit's upper-frequency character. It is intended as a set-and-forget adjustment, allowing you to fine-tune the amount of chime and sparkle to complement your guitar and rig. Bright, articulate Strat- and Tele-style guitars can be dialed back for just the right amount of chime, while humbucker-equipped guitars can be opened up for additional clarity. The TOP TRIM footprint uses five pads to accommodate two common trimmer configurations.

MOD — External TOP Control

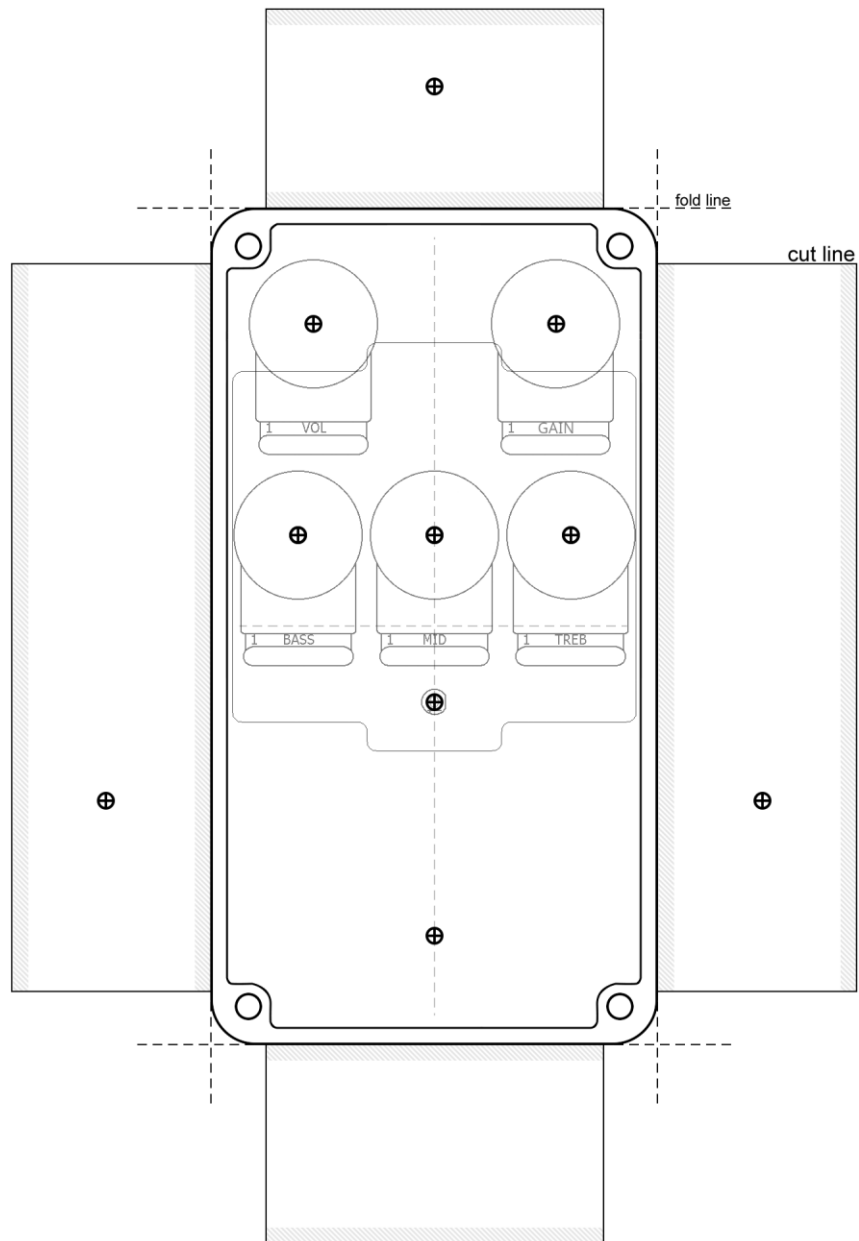
The internal TOP trimmer can also be replaced with an external B5K potentiometer if you prefer to have this adjustment available on the enclosure. Remove the onboard trimmer and wire the B5K potentiometer to the same three TOP TRIM connections used by the installed trimmer, matching the potentiometer connections to the corresponding trimmer pads. The potentiometer can then be mounted as an additional external control for real-time adjustment of the Diamond 30's upper-frequency character.



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125B Drill Template



1590B Drill Template