

CB1 (Electro-Harmonix LPB Replica) Instructions

Version 2018June25

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This booster is an easy to build project that will produce a good clean boost to your guitar signal. The booster has many applications, including driving the tube preamp in your amplifier into nice distortion, driving other effects into new sonic territory or simply bringing up the volume of an effects loop when needed for lead guitar solos. It is highly recommend (by General Guitar Gadgets) to use the input volume modification as shown on the project page, especially for guitars with high-gain pickups.

Use the project documents provided, starting with the General Build Instructions. The circuit is a single transistor stage that will give the signal some amplification. Clean and transparent.

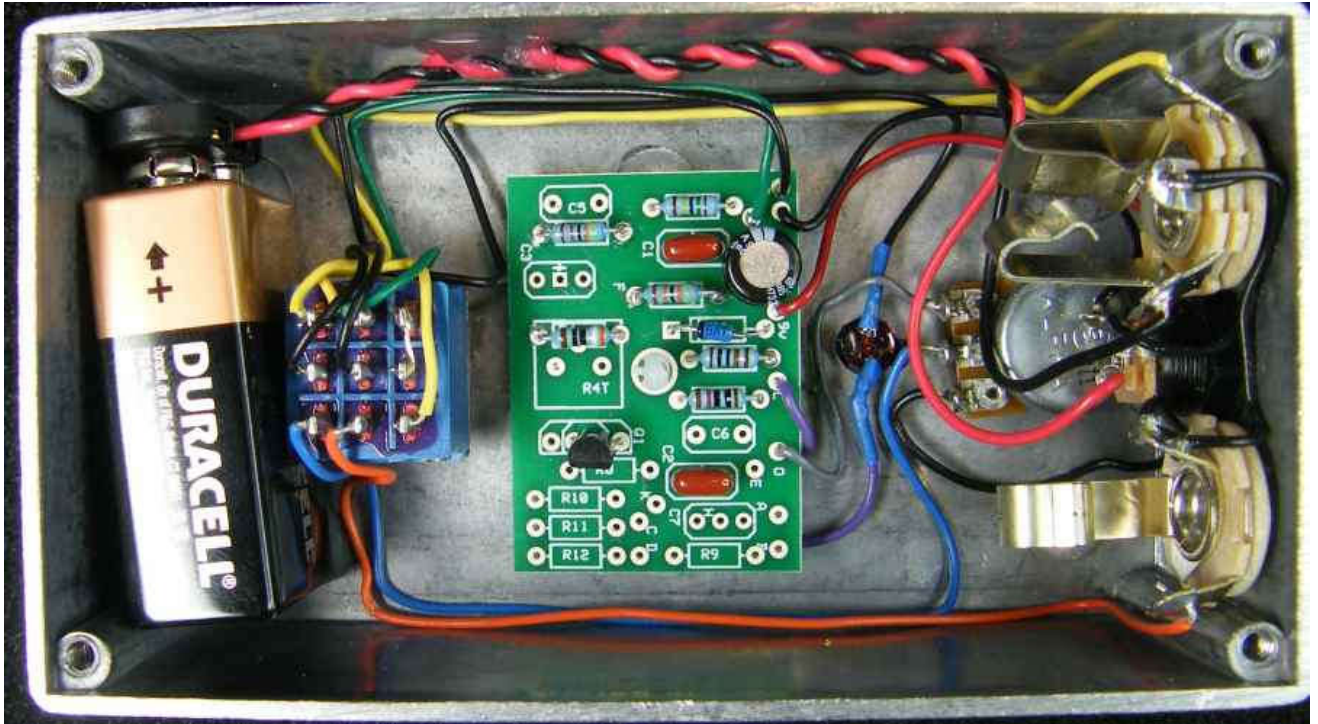
Here's an inside view of the unit we built to give you some general ideas if needed.

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Here's a view of what it looks like with the 1590B (smaller box) option. Note that you don't use the plastic PCB standoff, you use some double sided tape and set the PCB on top of the back of the pot.

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Here is a chart of voltages taken at the transistor pins. Use these voltages as a guideline. You may not get the exact readings listed, but should be somewhere in the area.

Component	Location	Voltage
9 volt power supply		9v
Q1	Collector	4.7v
	Base	0.8v
	Emitter	0.2v