

Overdrive Crunch Distortion Instructions

Version 2018February13

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This is the **O**verdrive **C**runch **D**istortion kit. The initials may give you an idea of the origin of the circuit. This is an excellent distortion box! Use the project documents provided, starting with the General Build Instructions. Make sure the polarized capacitors are installed correctly according to the layout/wiring diagram.

Notes:

- There are two jumpers that are built into the top layer of the PCB so you don't need to install them, they are already there.
- The schematic shows a D1 1N914 "Reverse Polarity Protection" diode which is not in the layout. You can add this diode to the DC jack if you wish. It is not included in the layout because we don't believe it is of much use against preventing damage if you do accidentally give it reverse power.
- If you use an electrolytic polarized cap for C7 the positive is toward the IC and negative is towards the output.

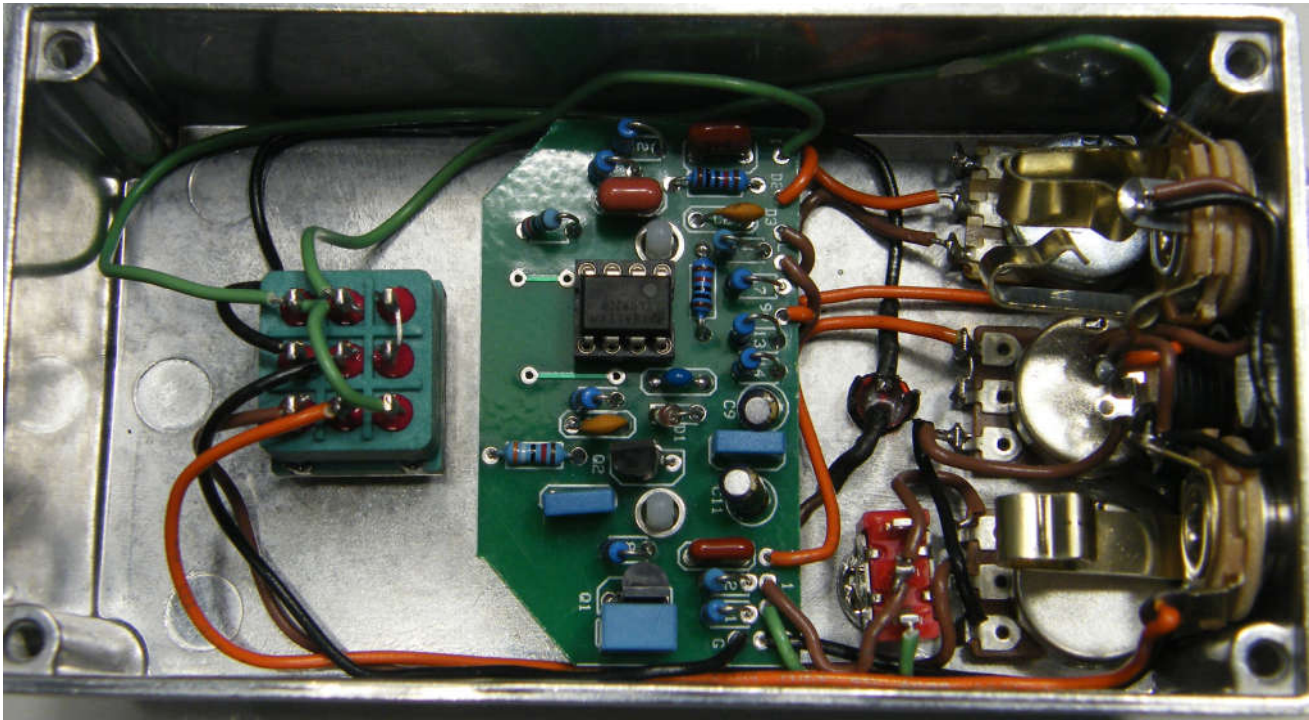
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Here's an inside view of the unit we built to give you some general ideas if needed.



Comments and questions are welcome and can be sent to info@generalguitargadgets.com

Here is a chart of voltages taken at the transistor and IC pins. This information can be used to help find and fix problems if your OC Distortion doesn't work when you test it.

Component	Location	Voltage
9 volt power supply		9.0v
IC1	Pin 1	4.5v
	Pin 24.5v	4.5v
	Pin 3	4.2v
	Pin 4	0v



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	Pin 5	4.5v
	Pin 6	4.5v
	Pin 7	4.5v
	Pin 8	9.0v