

Klon Centaur Replica Instructions

Version 2018September05

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This is a replica of the famous **Klon Centaur**. Sometimes referred to as **KC** in these documents. The original Klon Centaurs put out some of the best and most coveted overdrive sounds in the world!

Use the project documents provided, starting with the General Build Instructions. There is some component off-board wiring in this project. This may test your solder-tacking skills and therefore this is not necessarily a beginner builder's kit. Use the layout diagram and the photos below to help place those off-board parts which are the four resistors (R14, R26, R27, R28). Note that we used a 3PDT foot switch, when only a DPDT foot switch is required. We did this because we don't stock DPDT foot switches and so that you could modify the pedal to true-bypass if you wish, using the typical true-bypass wiring arrangement that almost all the other kits use. True Bypass diagrams are also provided on the project page, although it's not necessarily recommended.

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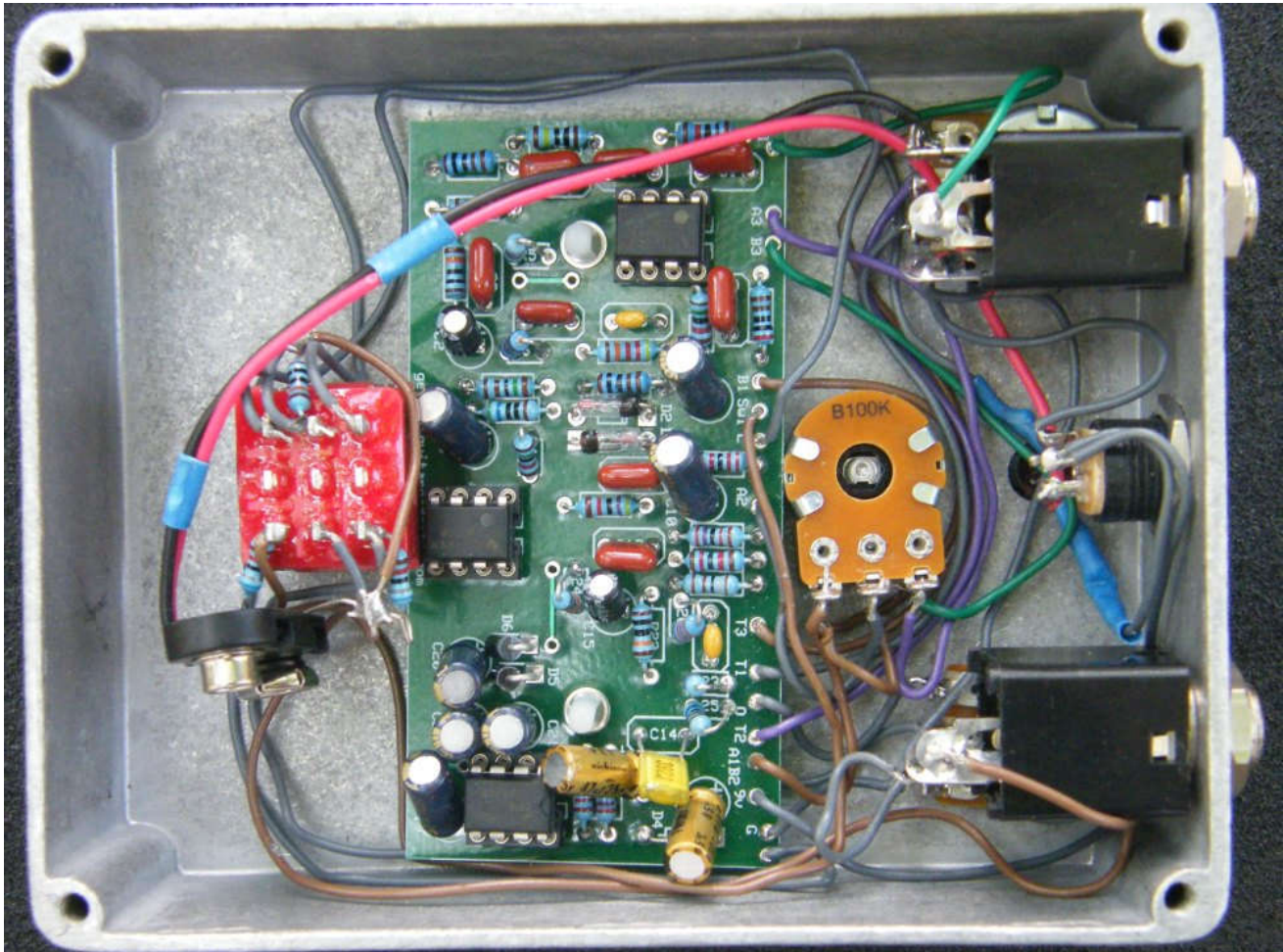
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Here's an inside view of the unit we built to show our construction details.



Here is a chart of voltages taken at the IC pins. This information can be used to help you find and fix problems if your Centaur doesn't work when you test it. The voltages are approximate, you may not get these exact readings, but they should be somewhat similar.

Component	Location	Voltage
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9 volt power supply		9.4v
IC1	IC Pin 1	4.7v
	IC Pin 2	4.7v
	IC Pin 3	3.6v
	IC Pin 4	0v
	IC Pin 5	4.7v
	IC Pin 6	4.7v
	IC Pin 7	4.7v
	IC Pin 8	9.4v
IC2	IC Pin 1	4.8v
	IC Pin 2	4.7v
	IC Pin 3	4.7v
	IC Pin 4	-9.1v
	IC Pin 5	4.7v
	IC Pin 6	4.7v
	IC Pin 7	4.6v
	IC Pin 8	17.1v
IC3	IC Pin 1	9.4v
	IC Pin 2	4.7v
	IC Pin 3	0v
	IC Pin 4	-4.5v
	IC Pin 5	-9.1v
	IC Pin 6	5.0v
	IC Pin 7	7.4v
	IC Pin 8	9.4v

Comments and questions are welcome and can be sent to



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