

EMTR (EHX™ Muff Fuzz™ Replica) Instructions

Version 2012February17

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This is a **Electro-Harmonix™ Muff Fuzz™** Fuzztone replica known here as the **EMTR** Fuzz. This is a very simple kit to build. Follow the Bill of Materials, the Layout diagram and General Build Instructions.

The original units had 2N5088. The kit includes 2N5089 (low noise version of the 2N5088) and also a pair of lower gain transistors. There are many options available for building this kit. Including using some trimmers instead of resistors in order to tune in a better sound. See the Modifications file on the project page for more information. Also note that the Lava Rim 2 Fuzz is built on this same PCB and you can get ideas for modifications by studying that project as well.

Note that the kit may come with a “can” transistor for Q1, below are the pin designations.

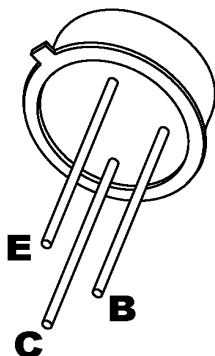
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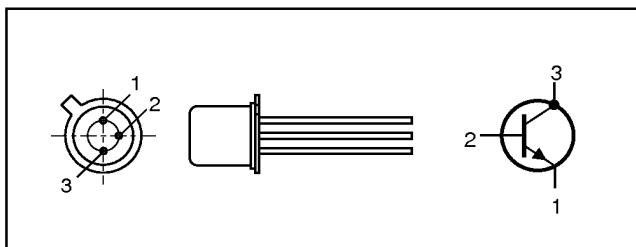
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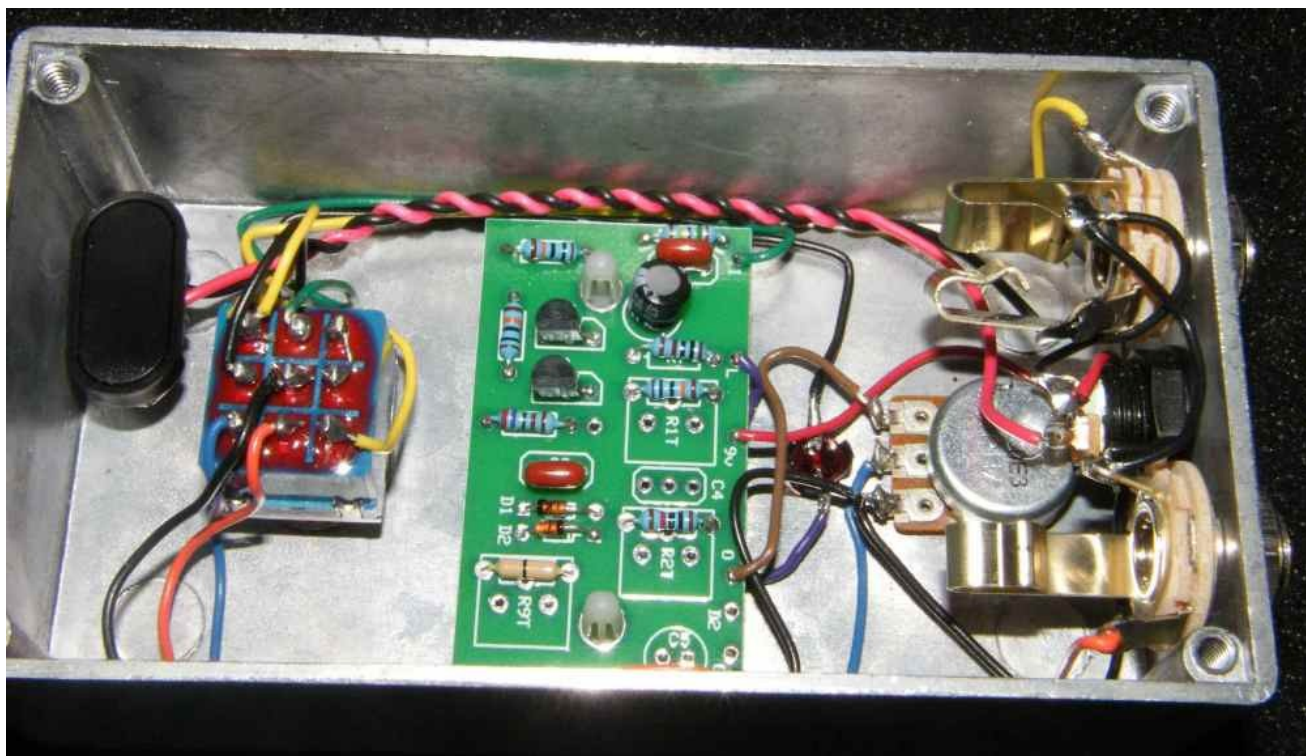
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PIN	DESCRIPTION
1	emitter
2	base
3	collector, connected to case



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





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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 (2N5089)		9v
Q1	Collector	1.7v
	Base	0.6v
	Emitter	0v
Q2	Collector	5.4v
	Base	1.7v
	Emitter	1.1v

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