

## Mosrite™ Fuzzrite Replica Instructions

Version 2015March24

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This is a replica of the **Mosrite™ Fuzzrite™** referred to as **MRFR** in these documents. This is an excellent fuzztone and is easy to build. It is built on a “multi-function” PCB, meaning the PCB was designed for more than one fuzztone, so there will be some blank component spaces on the PCB when you are finished. That's okay, just populate the PCB as shown in the layout and wiring diagram.

Use the General Instructions file to build the kit. Note that R9 needs a jumper installed. You can use a zero-ohm resistor or a piece of wire in the space marked R9.

Note that the **Fuzz control knob** on this fuzztone has a bit of a strange rotation. It doesn't get more and more fuzz as you turn clock-wise as you would expect on the usual fuzztone. The rotation controls mostly the tone. There is a big volume boost at the end of the clockwise rotation. On the counter-clockwise rotation it has a "hump" where it gets less treble and then treble comes up somewhat again towards the end of the CCW rotation.

The Kits may have “can” (TO18) transistors for Q1 and Q2. If so, use the diagrams below to determine the pin orientation of the transistors:

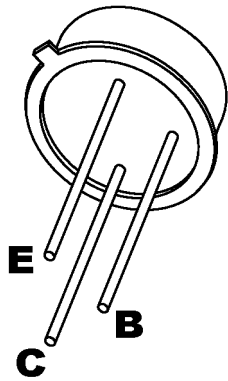
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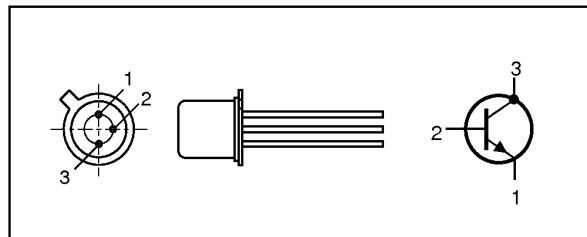
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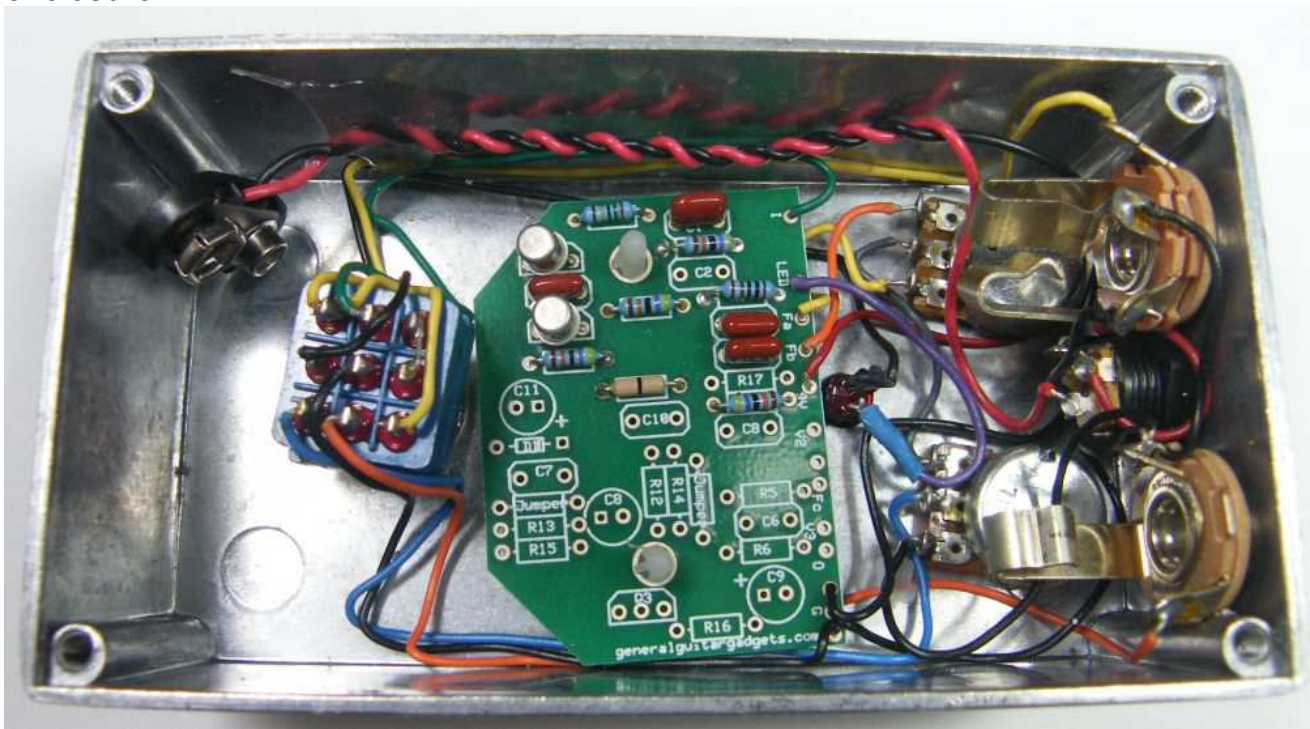
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PIN	DESCRIPTION
1	emitter
2	base
3	collector, connected to case



Here's an inside view of the unit we built to how it looks when assembled in a 125B enclosure.



This is a fun effect, works well with other effects. Have fun, comments and questions are welcome and can be sent to [info@generalguitargadgets.com](mailto:info@generalguitargadgets.com)



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

<b>Component</b>	<b>Location</b>	<b>Voltage</b>
9 volt power supply		9.2v
Q1	Collector	0.77v
	Base	0.63v
	Emitter	0v
Q2	Collector	0.77v
	Base	0.63v
	Emitter	0v