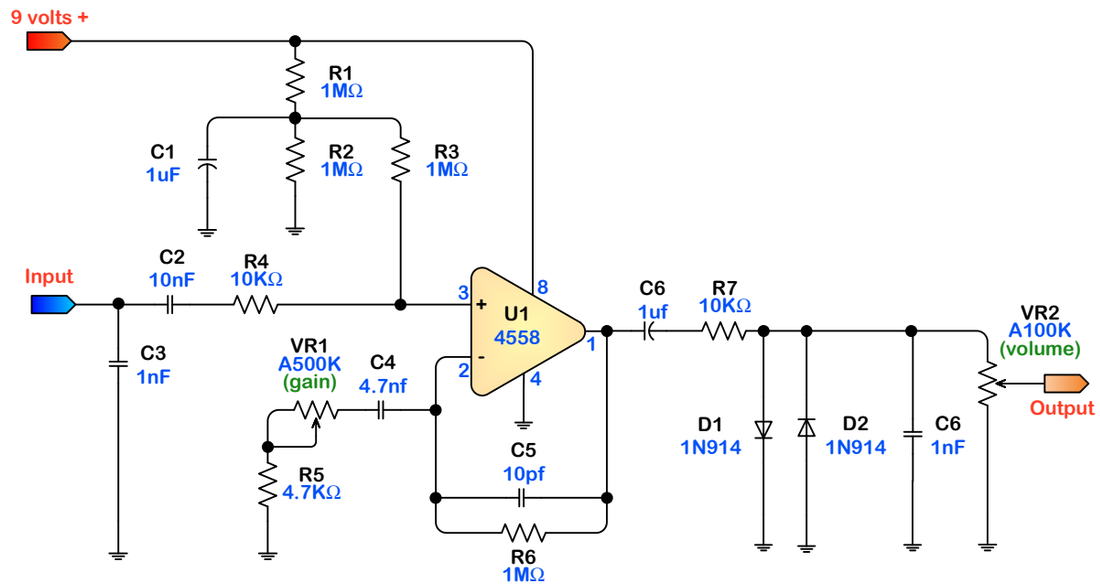
MXR Distortion +

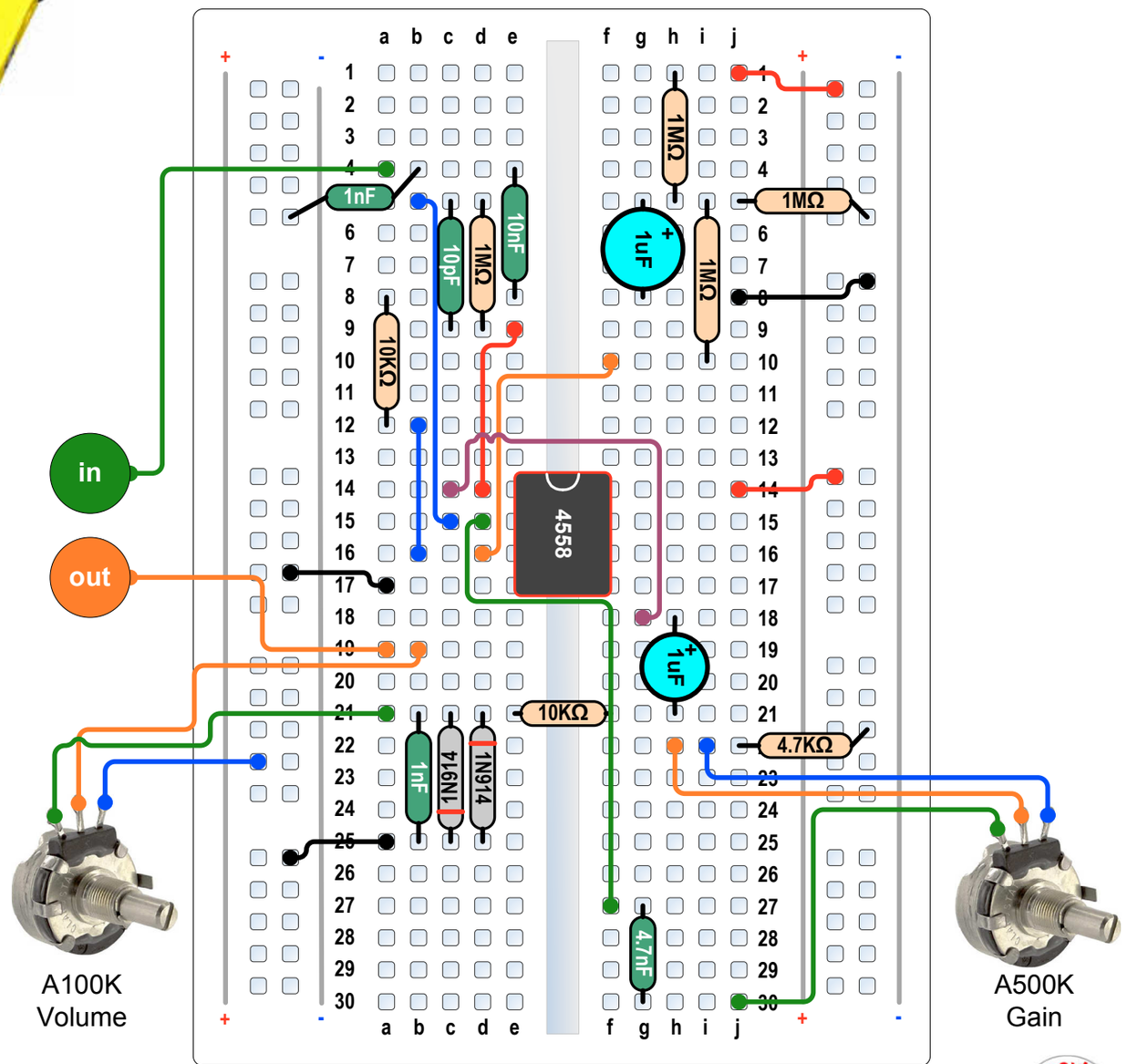
Originally released in the mid-1970's the MXR Distortion + has been a popular pedal ever since. The gain is a bit less than what most of us would consider as distortion, but the circuit is simple enough to provide ample room for modifications. Take a look at the DOD 250 Overdrive project--you'll see that is almost identical to this one.





Mods!

- Diode clipping mods: try different values for D1, and D2. Try different diode types and LEDs.
- The standard single opamp is a 4558 dual opamp (only one of the opamps is used). Use either the JRC or the RC version. Or use any other dual opamp.
- The original circuit uses a B500K reverse log distortion pot. If you want to adhere 100% to the original, buy that value. But it won't make a huge difference in tone.
- The 10pf capacitor tames a bit of high-end in the feedback loop of the opamp (the loop between pins 1 and 2). It also helps keep the circuit from oscillating. Try different values here to see if you can make it sound better.



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