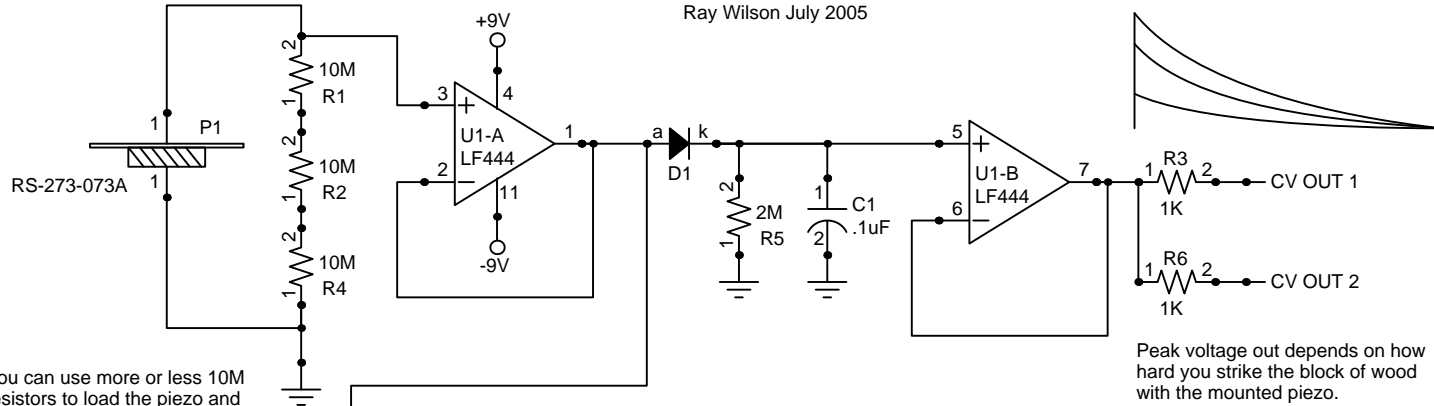


Drum Trigger For Sound Lab

Ray Wilson July 2005

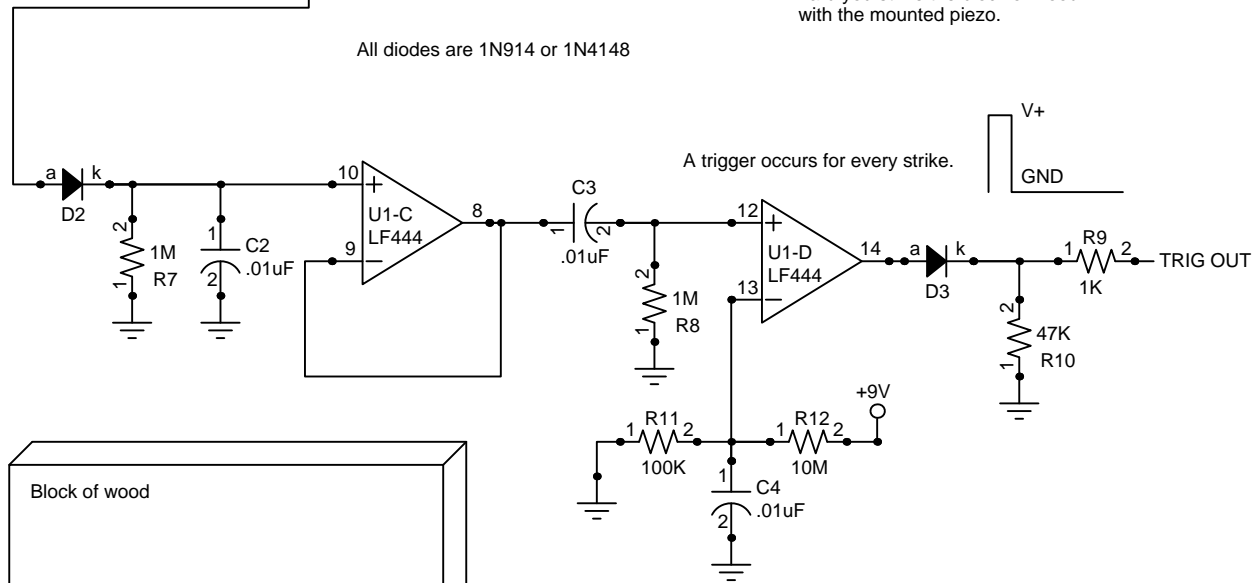


You can use more or less 10M resistors to load the piezo and increase or decrease the voltage from the piezo element. These values worked for a Radio Shack piezo epoxied to a 8" x 8" block of wood.

Peak voltage out depends on how hard you strike the block of wood with the mounted piezo.

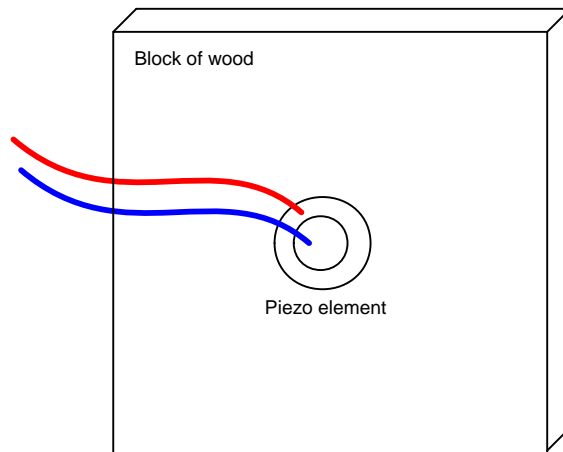
All diodes are 1N914 or 1N4148

Radio Shack's piezo is a suggestion. You can use just about any 1" piezo with the epoxied crystal on it. If you use the Radio Shack you have to get the element out of the plastic case CAREFULLY don't bend the brass looking resonating disc.



A trigger occurs for every strike.

Polarity of the piezo does not matter.



Epoxy the element to a board. Strike the other side with drum sticks.