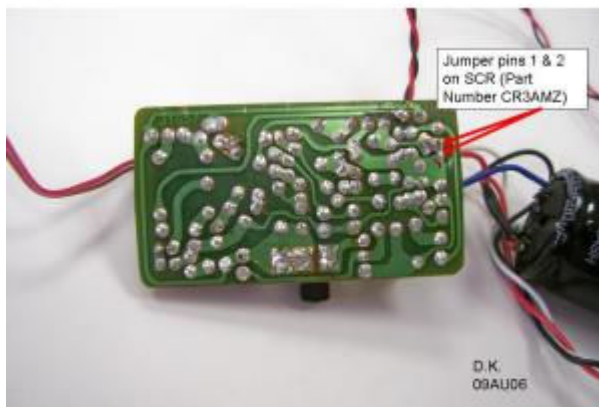
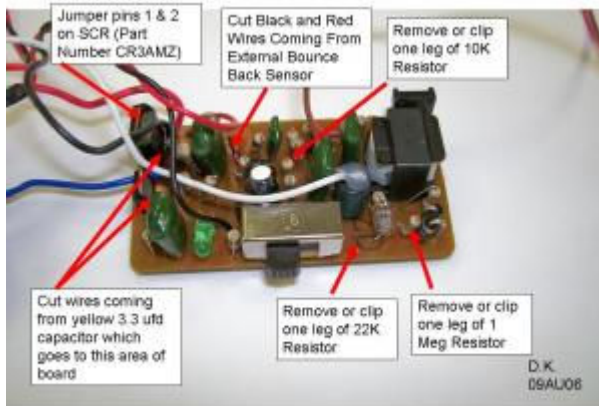


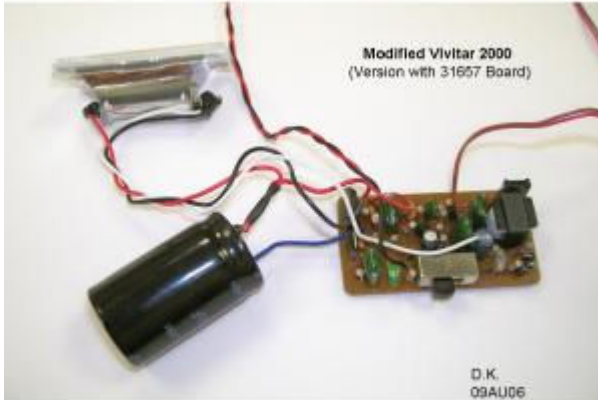
Vivitar 31657 Modification

Below are my updated mods for the Vivitar 2000 that uses the 31657 board. The mods include the low power mod that has been previously posted by others (steps 1 & 2 below), along with my new mod to remove the external 3.3ufd capacitor that just takes up space. The 3.3 ufd capacitor can be removed since the trail camera builders are not using the bounce back feature of the Vivitar 2000 flash unit.

Basic Modification Steps

- 1) Remove or clip one leg of the 1 Meg ohm resistor that feeds the Neon Bulb (see picture).
- 2) Remove or clip the 10 K ohm resistor (see picture).
- 3) Remove or clip the 22 K ohm resistor (see picture).
- 4) Clip the wires that go to the 31657 board that come from the external bounce back sensor (see picture).
- 5) Clip the wires that go to the 31657 board that come from the externally mounted 3.3 ufd (yellow) capacitor (see picture).
- 6) Jumper the pins 1 and 2 of the large SCR (CR3AMZ) (see





(As always modification of commercial products is done at your own risk. Use extreme caution since high voltage exists within flash units. Take proper steps to assure all energy has been discharged (from the capacitors, etc.), before touching any component within the flash unit.)

(Thanks to Hags member willraygreen for providing various Vivitar 2000 units for my analysis, and for his trust in me to not blow up his flash units).

Enjoy,
Don