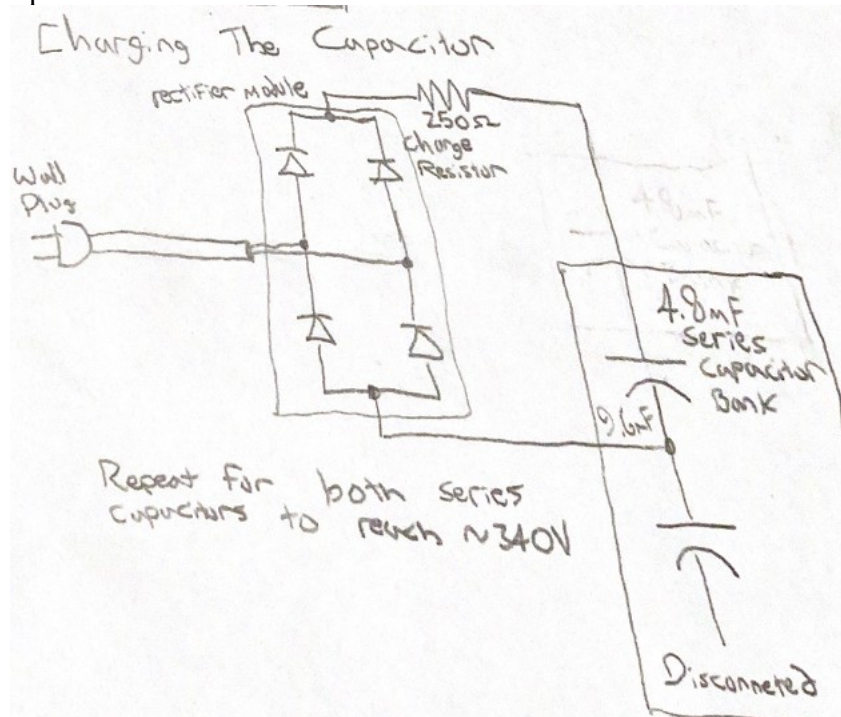


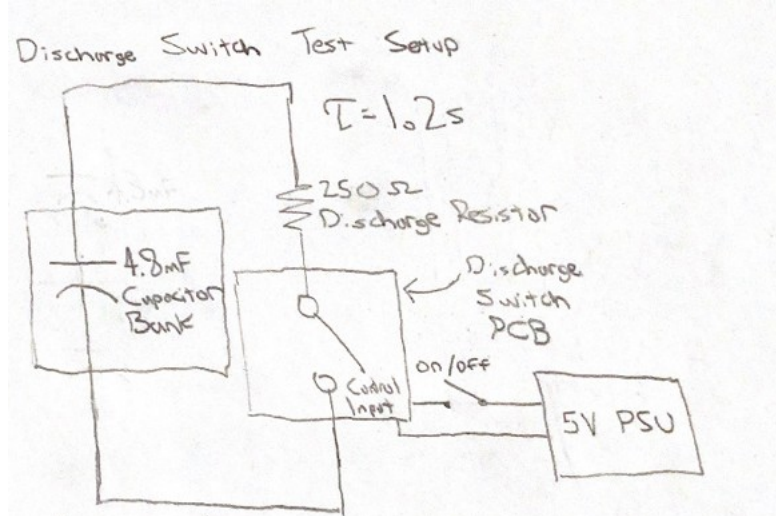
Discharge Switch Functional Test Method

Purpose: This describes the functional test for the discharge switch circuit board.

1) A series capacitor network must be used to test the discharge switch. This is charged one capacitor at a time using the setup below:



2) Once the capacitor is charged the actual test can be executed using this next set up:



- 3) Attach an oscilloscope probe across the capacitor bank to measure its voltage.
- 4) Start with the 5V PSU connected. Verify that the discharge switch is open, and the capacitor is not discharging.
- 5) Verify that there is no more than 10mA through the 5V PSU control circuit.
- 6) Disconnect the 5V PSU and verify that the capacitor discharges with a regular exponential profile.
- 7) Repeat 3 times.