

Minutes for Team HEV Weekly Meeting with Professor Schafer, 02/08/2010:

**1. Action Items - Worked this week**

- a. Discussed changes made to balancing circuitry
  - Schafer advised to use 3 diodes in series instead of a rectifier
  - How do three diodes in series add?
- b. Cutting of Hot Wire
  - Don't need to cut hot wire, just need to open up outlet box and tap source there.
- c. Current Sensor Research
  - No surface mount and plus or minus 12-15V is bad
  - Op/amp unity gain buffer/ 5 V regulator
  - Into and out of stack, to starter, from generator
  - Tanur/Lemin
- d. GPS Research
  - Don't want chips want modules
- e. Ultracapacitor boxes
  - Weather proof/heat/explosion

**2. Action Items - Need to do**

- a. Begin Circuit Board Design
  - Room for twist ties and wirings
- b. 70-amp fuse
  - Opening up outlet box
- c. Transformer Connections
- d. Order Current Sensors
  - What current needed to activate sensor
  - Want voltage transducer not current transducer
- e. Order ultracapacitor boxes
- f. Hot wire connection