Team 1 Weekly Report
February 19th 2009

By: Eric Leknes
Team Members: James, Alex and Tarek
Overview & Updates
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Voltage Regulator Circuitry

Auxiliary PIC Circuitry
Completed Work

- The bulk of the painting has been completed
- MOSFET switches were tested to with PIC logic and relays
  - For gear shifting and engine shutdown
  - They work!
- The circuit design created in Multisim both for PCB design and as an information backup
Completed Work

- The speedometer and accompanying speed indicator has been fixed and now works
- All major power lines and other wires have been routed
- The new throttle servo was ordered and has arrived
- The PCB design process has been started
Challenges to Overcome

• We blew out a voltage regulator circuit last week it is now fixed but it would be nice to know why
• Main electronics are disconnected right now for painting
  ▫ Minimal electronic/software testing in this state
  ▫ Can we get them hooked up and working again?
• Making sure the new servo solves the throttle power problem
Future Work

• Short term:
  ▫ Finish PCB design
  ▫ Install and test new throttle servo
  ▫ Hook up electronics again
  ▫ Make a front panel for switches and indicators

• Long term:
  ▫ Populate PCB
  ▫ Finishing touches on software
  ▫ Write manual
Future Work

- **Eric:**
  - PCB work
  - Finish software
- **James:**
  - Throttle servo
- **Alex:**
  - PCB work
  - Front panel
- **Tarek:**
  - Painting
Budget

• Spent this week
  ▫ $60
• Total expenditures
  ▫ $2360
• Future expenditures
  ▫ PCB ~$100
  ▫ Gas ~$40
• Total spending
  ▫ $2501.69
Hours Worked

- James
  - 20h 47m 52s
- Eric
  - 16h 27m 43s
- Alex
  - 15h 19m 12s
- Tarek
  - 21h 36m 5s