Weekly Project Report

11/16/2007
Monitor Lift and Paint Cap Remover

Patrick Keating, Dan Zachs, Thuy Pham, Katie Zilm
Monitor Lift
Monitor Lift

This week

- Filed down edges of base plate
- Filed sharp edges and corners of upper lifting unit
- Sanded Topside of monitor lift base
  - Removed Scratches and gave a finished look
- Completed wiring of actuator to monitor lift
  - Received power adapter
Monitor Lift

- **Power Adapter**
  - Input
    - 100-240V
  - Output
    - 9V, 4.0A

- **Cut Wire**
  - Allow us to adapt to switch.
Monitor Lift

Switch Wiring

- At top
  - Power Adapter wire
  - Linear actuator wire

- All attached firmly
- All insulated with heat shrink
Monitor Lift

- Not Pictured
  - Rounded corners of Base plate in front
    - Was cut with band saw
    - Ground on belt sander for finished look

Linear Actuator Base Plate (Top View)

Area cut off and sanded
Paint Cap Remover
Paint Cap Remover

- Mounted switch permanently
  - Slit cut in bottom
  - Switch inserted
  - Backing plate glued under switch

- Wired switch to fuse
Paint Cap Remover

- Clearance hole in galvanized sheet metal for mounting to back upright
Paint Cap Remover

- Mounted Galvanized Sheet metal on sides of back upright
  - Drilled clearance hole in Galvanized sheet metal
  - Drilled and threaded hole into both sides of the backing plate
  - Affixed sheet metal to backing plate on both sides with screw.
Paint Cap Remover

- Sanded Base Plate Surface
  - Removed Scratches
  - Uniform Look
  - Finished professional look
Paint Cap Remover

- Paint Cap Remover to Date
  - Sheet metal affixed
  - Button mounted
Future Work

- Monitor Lift
  - Cap off exposed bolt heads
  - Rubber feet for underside

- Paint Cap Remover
  - Finish wiring to power adapter
  - Insulate motor and wiring inside housing unit
Hours Worked

- Patrick-12
- Dan-14
- Thuy-12
- Katie-12