Monitor Lift and Paint Cap Remover
Week 10 Report
Thuy Pham

Work Completed:

Monitor Lift:
We received the AC Adapter. The device works fine with the new AC Adapter. The picture 1 below shows how we connected the wires. The switch is attached to the box, which makes it a switch control or the remote control. We found a way to make all the wires look neat. We used electrical tape to attach both AC adapter wire and actual linear wire together. To protect the user and prevent leaking current, we will use the rubber grommet. This rubber grommet will be inserted where both the AC adapter and the linear actuator’s wire coming out of the case. This method will prevent the leakage of current and to secure the wire to the case.

Image 1 – The Remote Control
Paint Cap Remover:
To secure the motor encasement to the back plate, we drilled holes on both of the back plate and the encasement. The #10-32 screw holes as shown in the picture below were drilled into both the back plate and the encasement. We also use the handheld orbital finishing sander to smoothen the bottom plate, so that the device looks nice and clean.

Picture 2 – The paint cap remover.
**Future Work:**
Because the project is due this Friday, we finished most of the main components and there are little works need to be done this Friday to finish it.

**Monitor Lift:**
- Make everything smooth, grind all the corners
- Smoothen the bottom platform
- Attach rubber feet

**Paint Cap Remover:**
- Complete the circuit: replace a new button, connect the fuse to the button, and connect the AC adapter to the fuse.
- Attach the rubber feet

**Total Hours: 12**