

# Practice #11

## Electronics After Moving the Lift Back

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Analysis

Strategy

Mech Design & CAD

Proto & Build

Software Design

Testing

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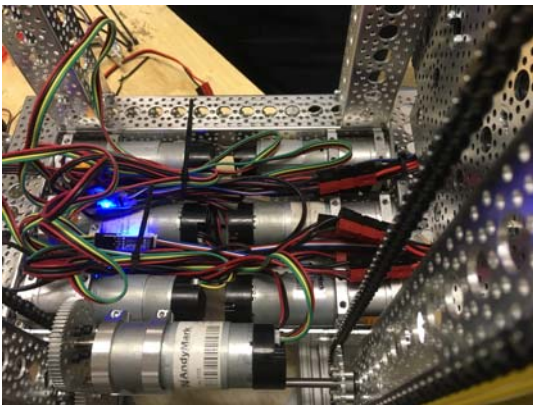
### Tasks Accomplished

- Mounted Rev moduals and DIM
- Wired in drivetrain motors
- Wired in lift Motor
- Wired in Jewel scorer servos
- Wired in color sensor
- Created updated config file

### Next Tasks

- Do some cable management
- Mount Navx
- Wire Navx
- Mount and wire power switch
- Mount and wire battery holder
- Mount and wire USB hub
- Mount and wire Power meter

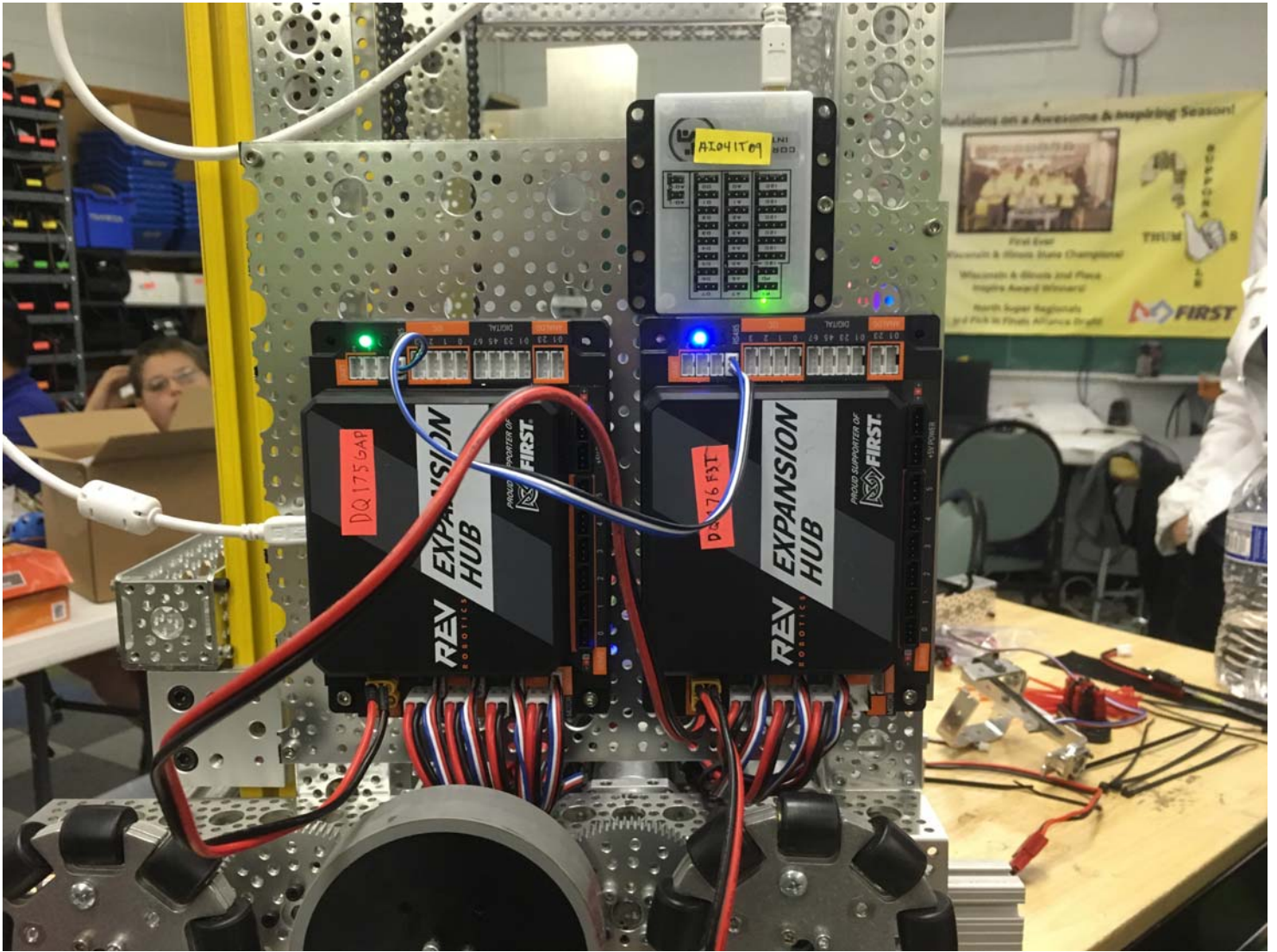
## Electronics



After ripping the robot apart to move the lift back, the electronics became a complete mess and needed a new mounting spot. We decided to mount as much of the electronics to the side of the robot where nothing has been mounted yet. This will allow ease of access, even if we put a pannel over it, and is easy to route cables to. From here Matt mounted the DIM while I began wiring the motors to the Rev modules, and wiring the servos there as well. After this Matt began writing the config file for the motors and connected the USB hub, as well as the phone, but didn't mount them. I finished wiring the color sensor and began mounting the Navx before practice ended. Within another practice we should be able to have the robot ready enough for the software team to begin testing autonomous and driving.

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### Reflections

Lesson learned today - be careful when having your finger near moving gears. I attempted to do a slip test on the drivetrain and got my finger in the geartrain because I was not careful.

Initials \_\_\_\_\_

Approved \_\_\_\_\_