# Mechanical Testing:

Testing ideas:

* Stress testing
  + Simulation
* Seeing if the rover can hold its weight on three of the four wheels (in case of holes)
  + Each wheel is about 4 pounds
  + The chassis is about 2 pounds
* Testing the durability of the wheels and sand capture system
  + Using dirt or a nearby beach
* Testing the bands and rotation of wheels over long periods of time
  + Have the wheel prototype run for half an hour or so
  + Have the bands spin the wheel for 10 rotations and check if the wires get tangled
* Testing the ability of the wheels to rotate in sand/dirt
* Testing durability of sensor arms
  + If the robot were to hypothetically not work and run into obstacle

Other notes:

Need to create mount for laser

Has to be able to rotate 45 degrees, see 1.5 meters out, and we have about 5 inches of space to work with, unsymmetrically