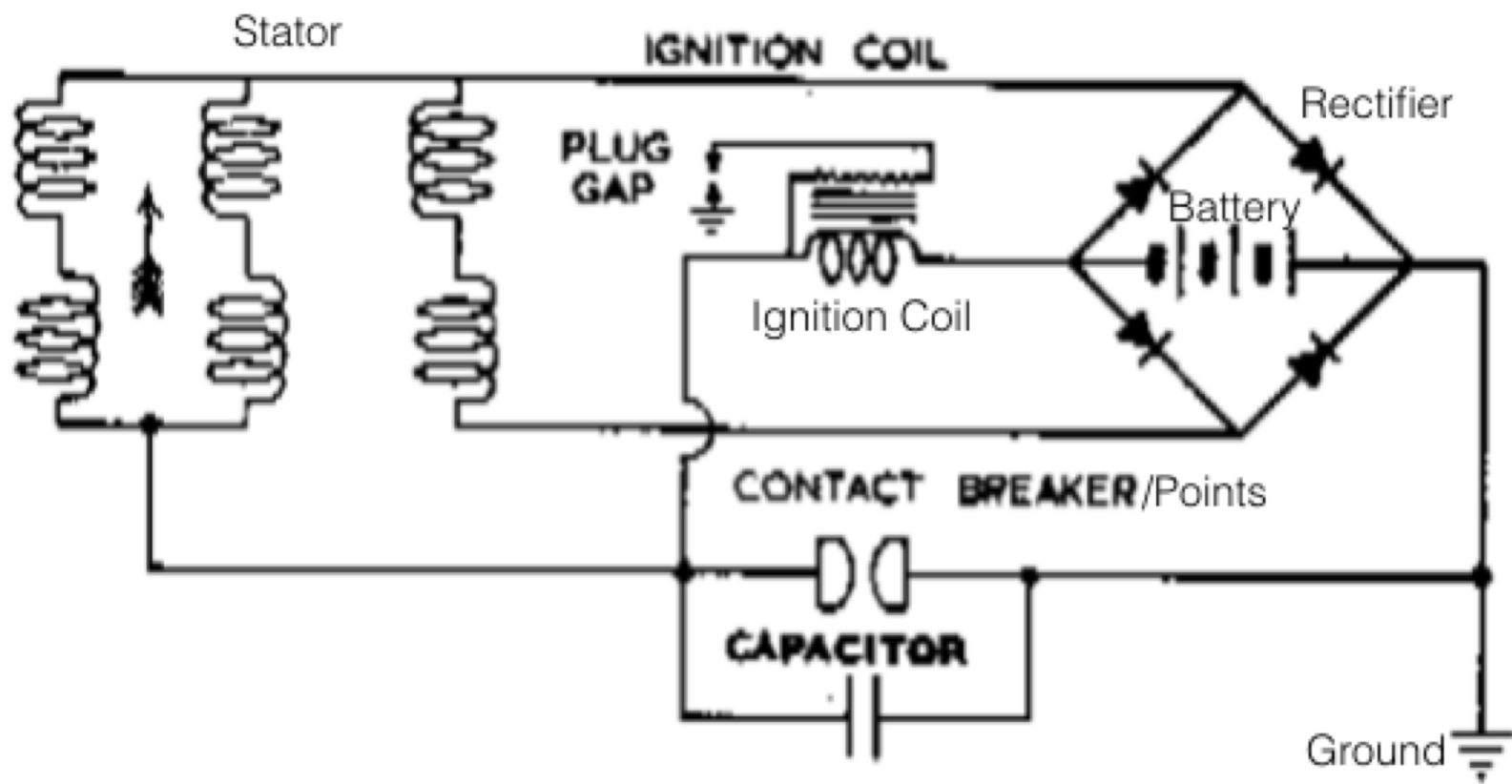


Electrical

Taylor Jean-Jacques and Neil Slighton

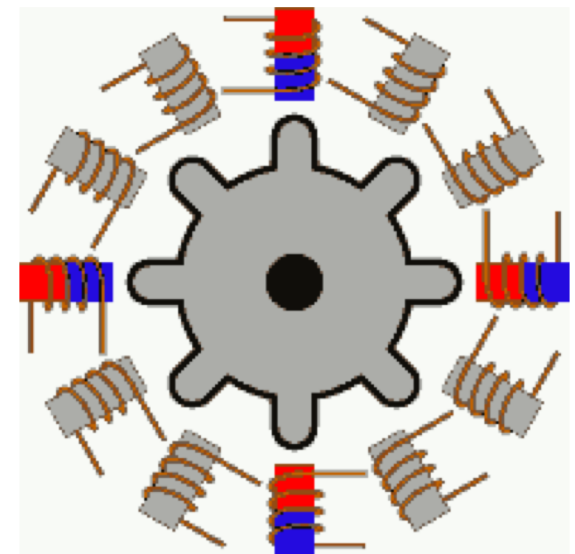
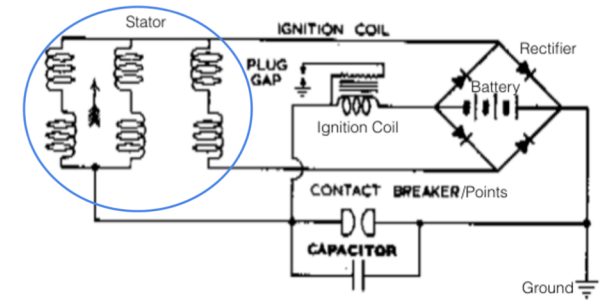
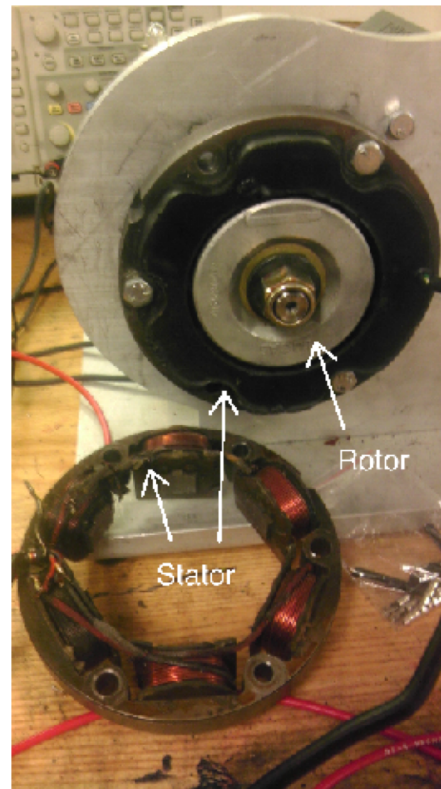


Alternator

a two-part electricity generator

a large magnet called the rotor
and a series of wire coils called
the stator.

generates AC to charge the
battery and power the bike's
electrical units



What we did

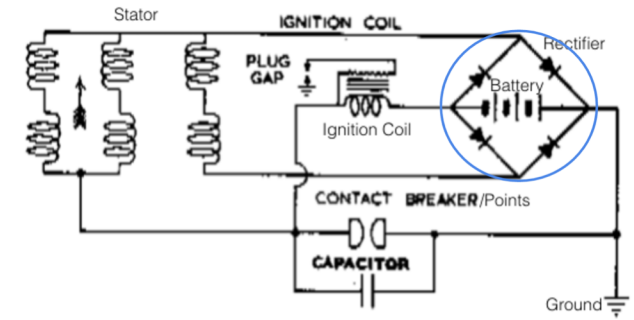
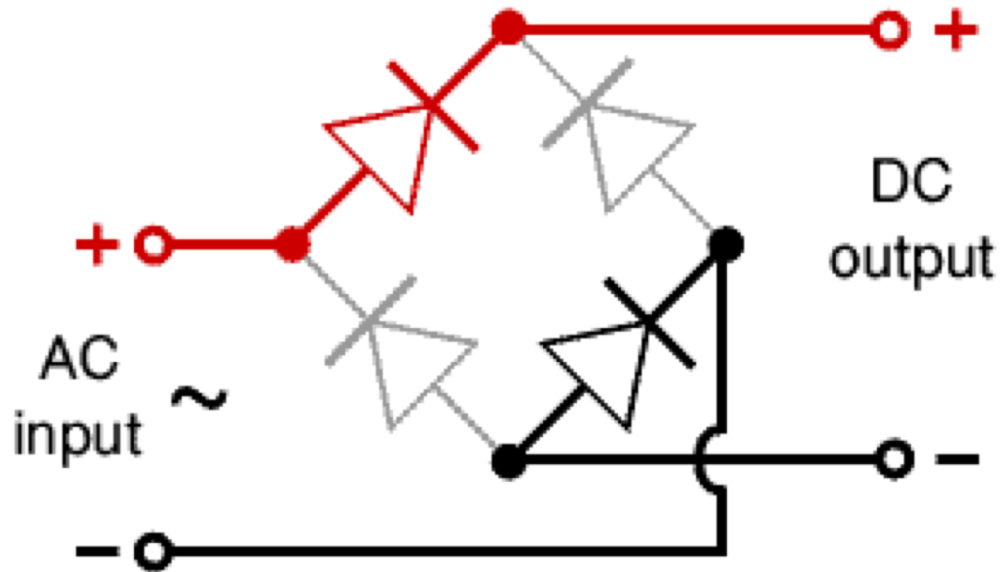
Ground the case down



Rectifier

Converts the AC current into DC current

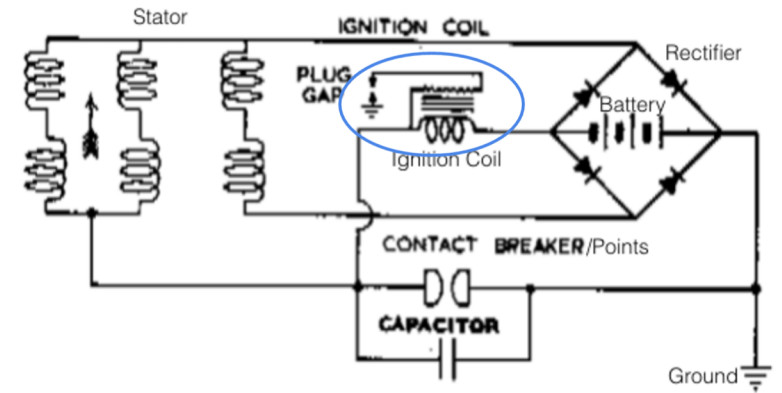
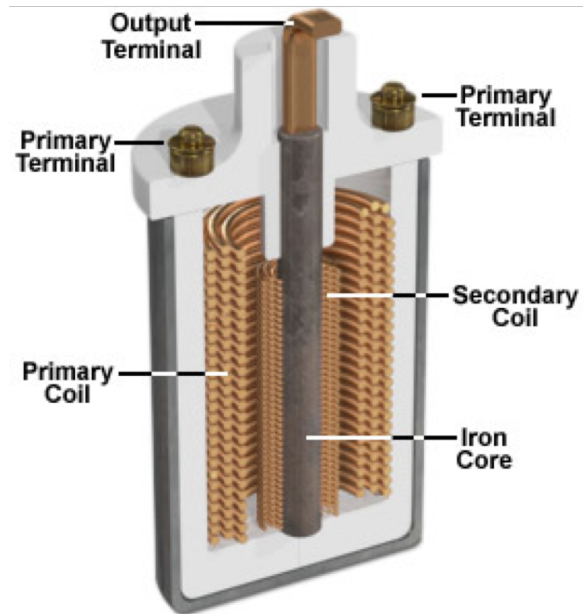
Four semiconductor diodes, which are one way valves for electrical current



Spark Plug and Ignition Coil

Ignites the vaporized fuel in the piston chamber

Coil ratio steps up the voltage to cause a spark

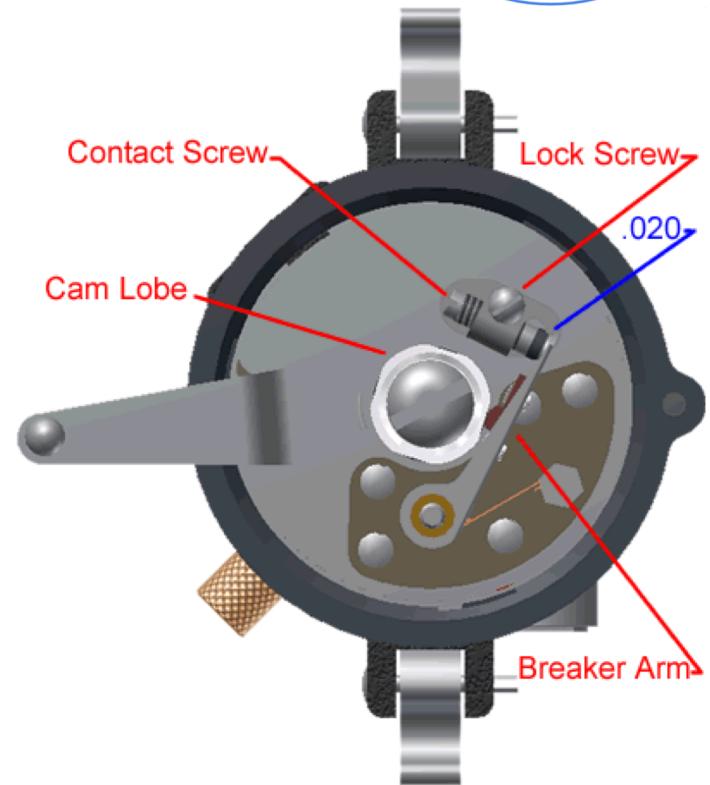
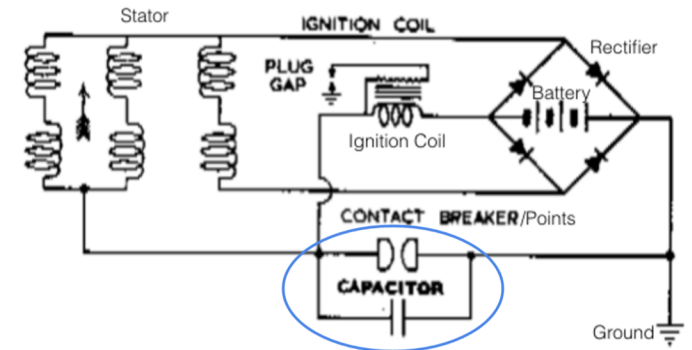


Distributor

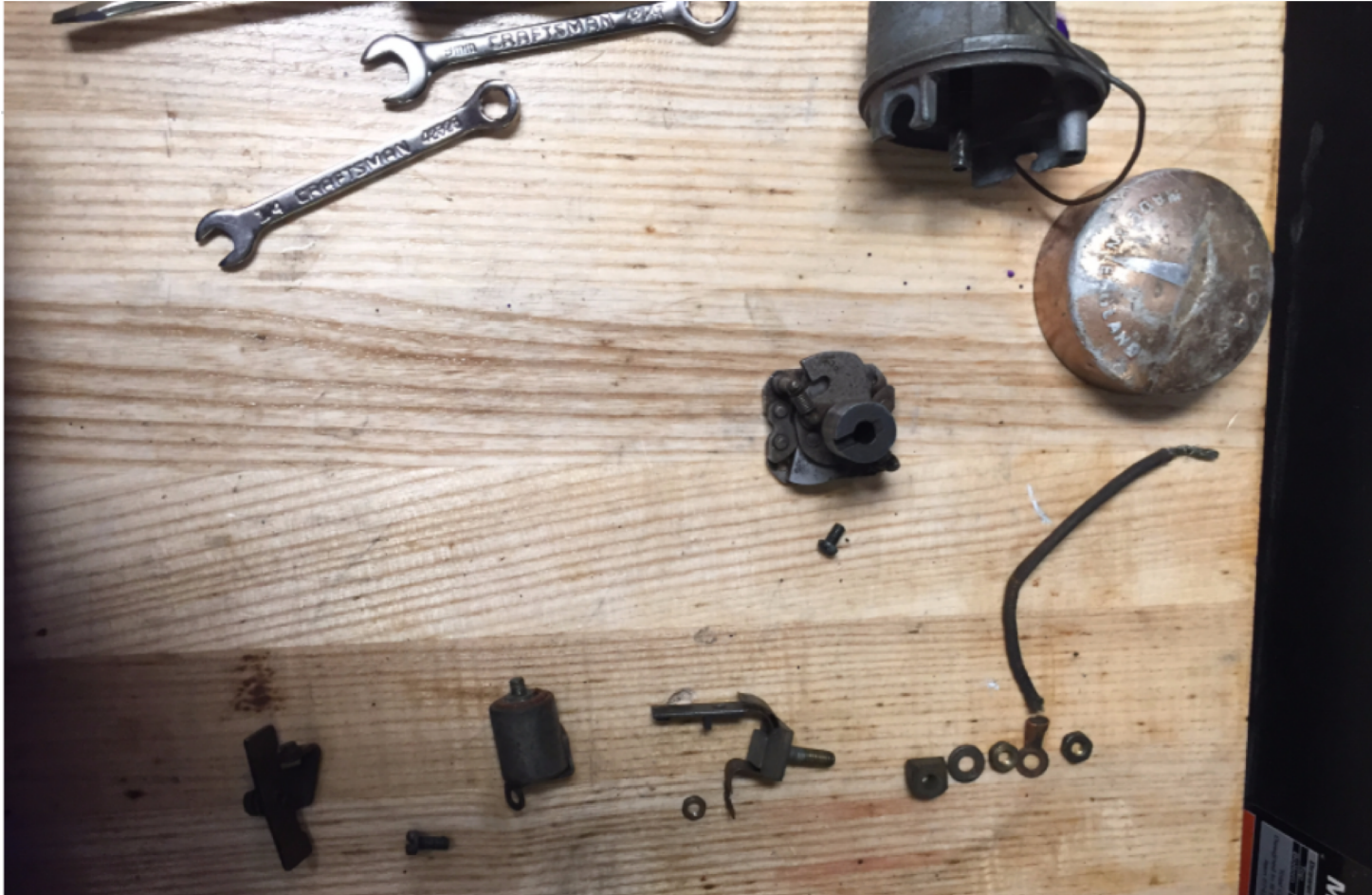
routes high voltage from the ignition coil to the spark plugs at the top of the piston's compression stroke

The cam spins and pushes the cam lobe, and the cam lobe opens the contact points

Capacitor: collects charge to the points from arcing



What we did



Headlamp & Horn

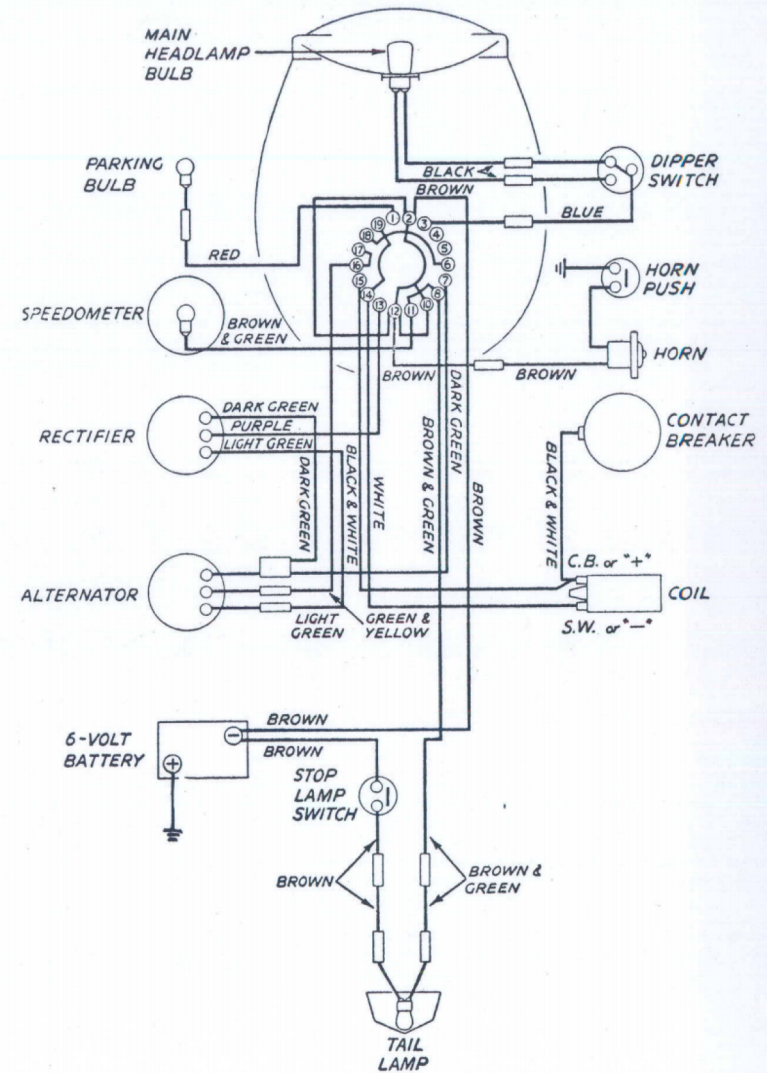
Took apart, cleaned and tested



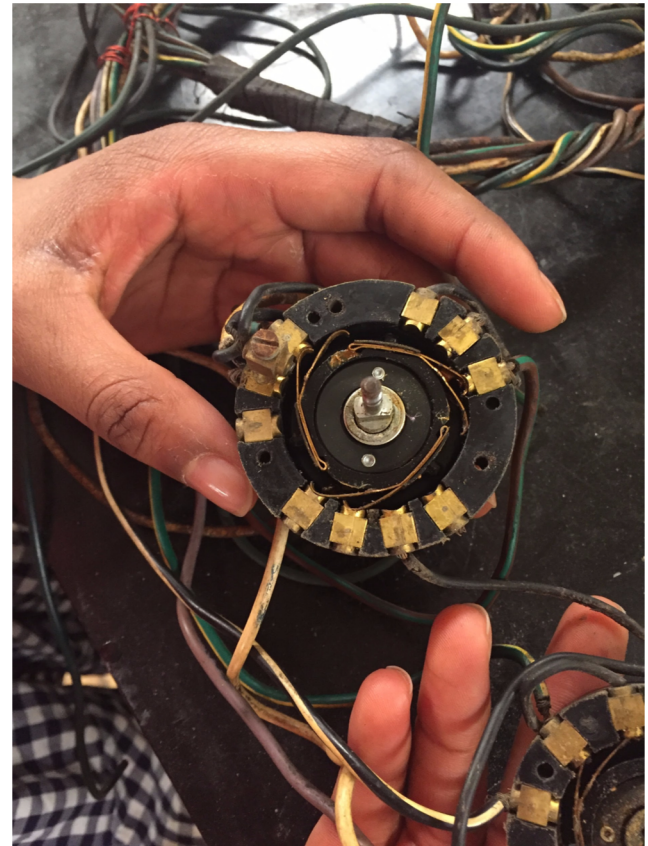
Switch

Turns the electrical system on and off

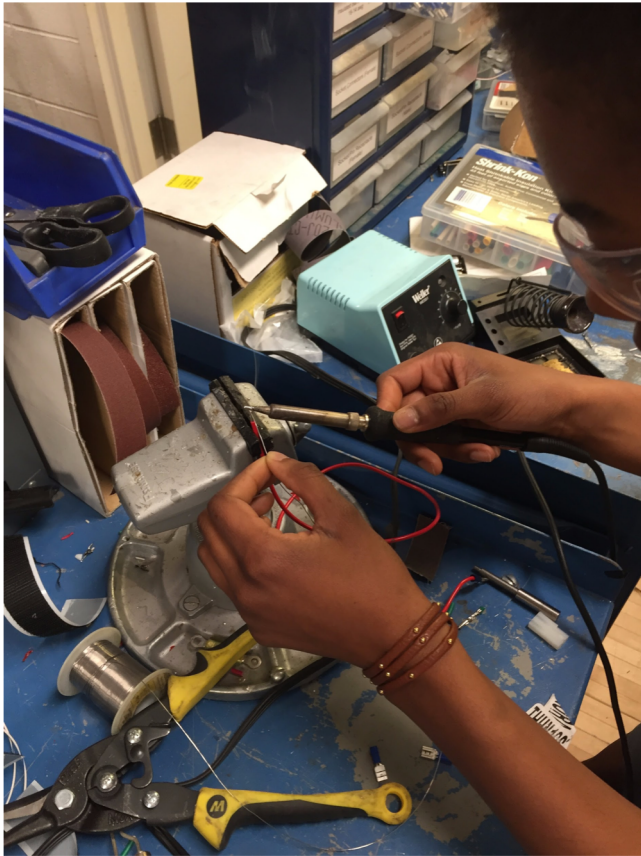
The central hub



What we did



Wiring Harness



Hardware

