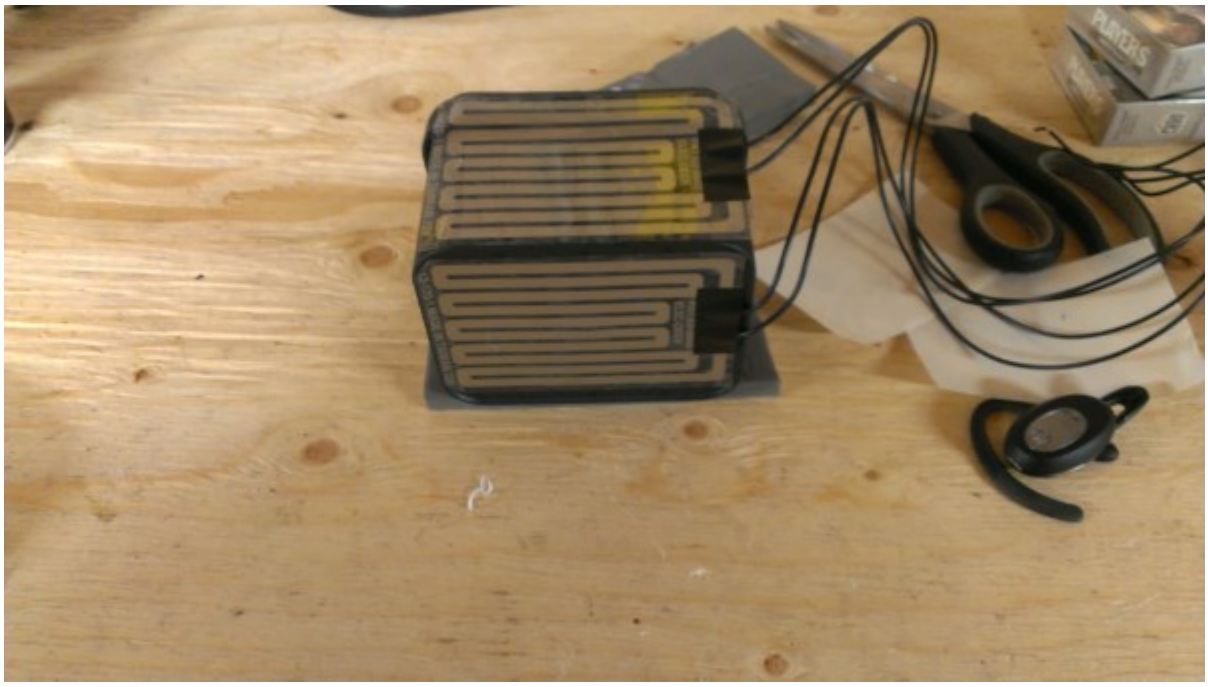
On the side:

Ready to wrap:



Wrapped:

Some battery case padding:

Mounted:

You can see the master and start solenoid which is going to replaced in phase two by the small ones on the bottom of the tray.

The temperature was -1C/30F and the engine would crank but barely make it through a compression stroke. The battery heat pads were turned on (external power) and left for 15 minutes. Engine crank was now great!

I dislike winter, but I am now hoping for another few days of -20C weather so that I can put this project to bed. I have no doubt that the inexpensive heating pads installed on the battery will solve the problem.

I had intended to run the pads using the battery itself; heat and current flow at the same time. After more thought, it made sense in my situation to simply use a 5 amp wallwart to power the pads as the engine block heater needs to be plugged in anyways.

Weight of Odyessy installed:

1. Tray TBD
2. PC680 6.45 Kg/14.2lbs
3. Solenoids TBD Start and Master

Weight of P3 installed:

1. Tray: .37Kg/11 oz which includes the start relay and solid state master relay
2. P3: 1.2 Kg/2lbs 10 oz which includes the 2 heat pads and wrap