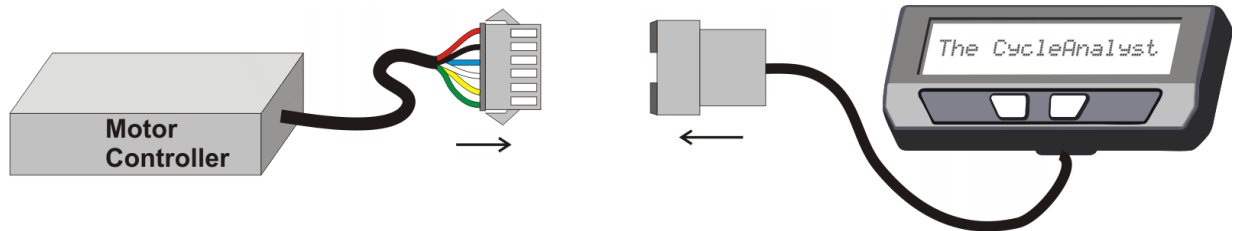
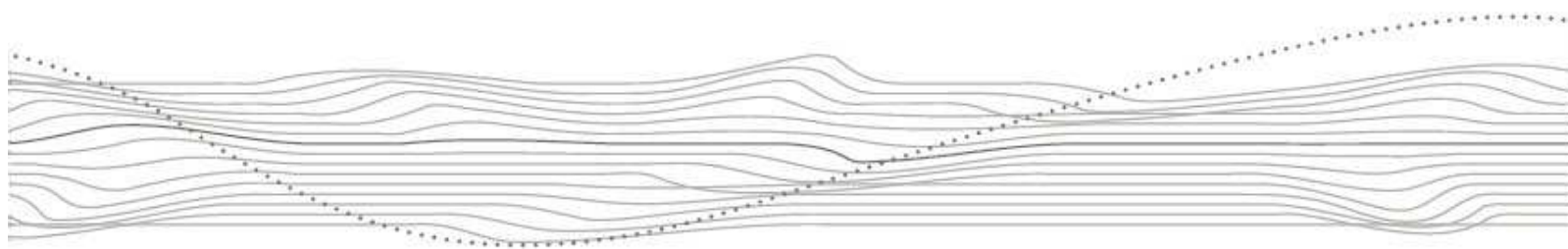
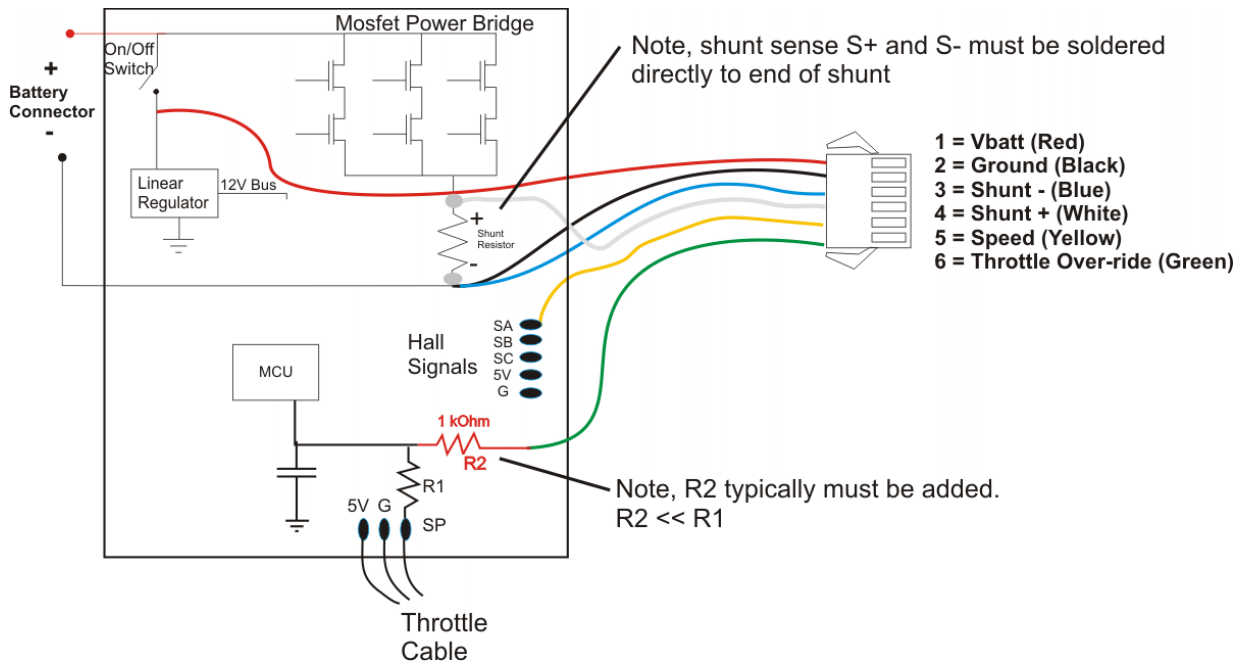


Guide for adding Version3 Compatible Cycle Analyst Plugs to Golden Island Ebike Motor Controllers

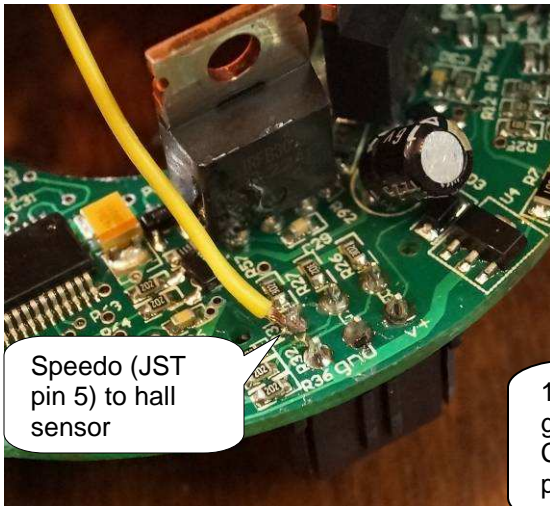


Prepared by Mark Stephens and
 Justin Lemire-Elmore
 April 4th 2013

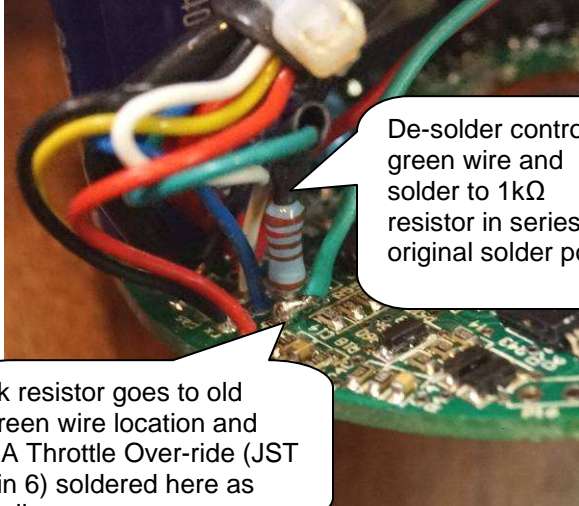
Basic Schematic of CA-DP Tap Points:



Direct Plug Cycle Analyst Tap Points on Internal Magic Pie Controller

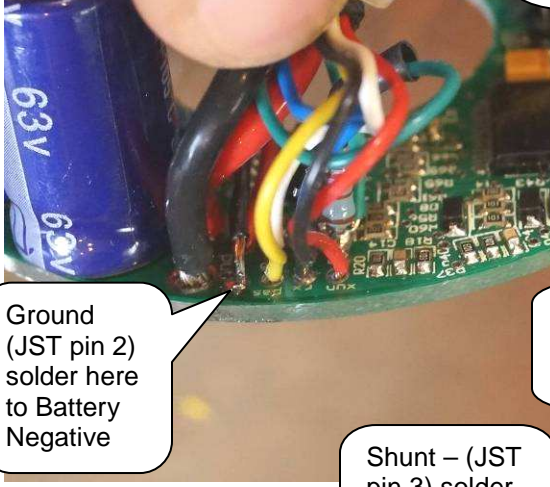


Speedo (JST pin 5) to hall sensor

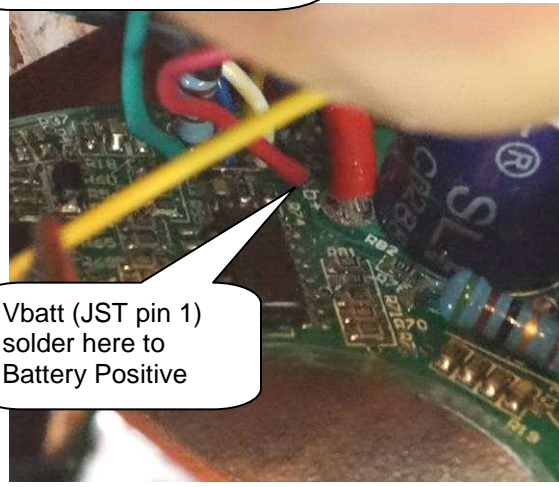


De-solder controller green wire and solder to 1kΩ resistor in series to original solder point

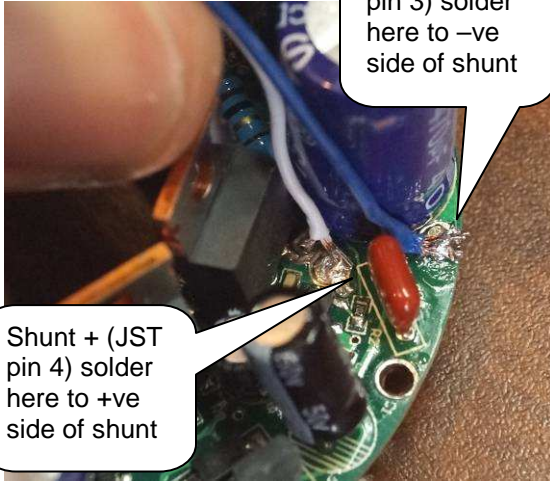
1k resistor goes to old green wire location and CA Throttle Over-ride (JST pin 6) soldered here as "



Ground (JST pin 2) solder here to Battery Negative



Vbatt (JST pin 1) solder here to Battery Positive

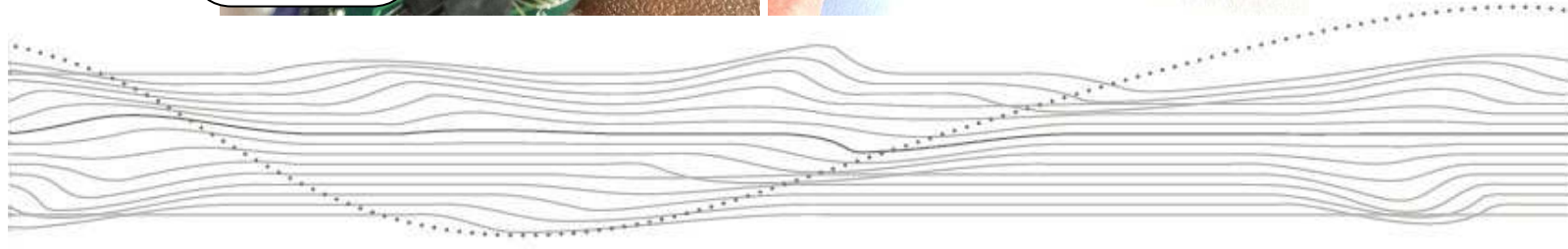


Shunt - (JST pin 3) solder here to -ve side of shunt

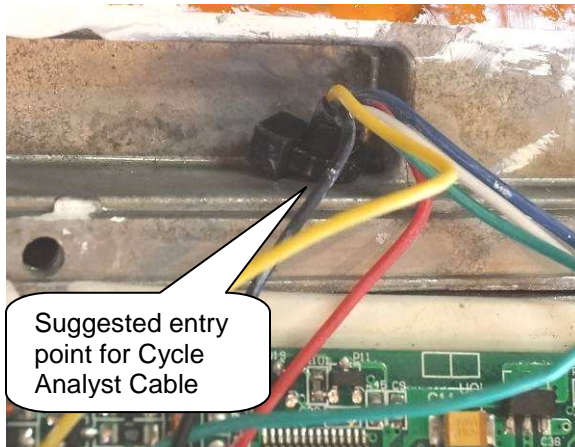
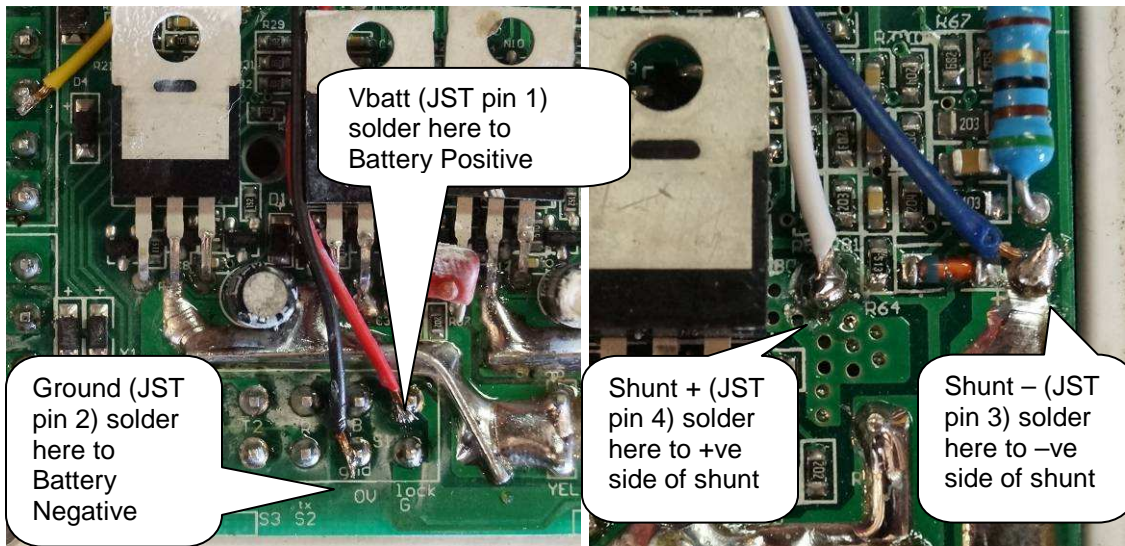
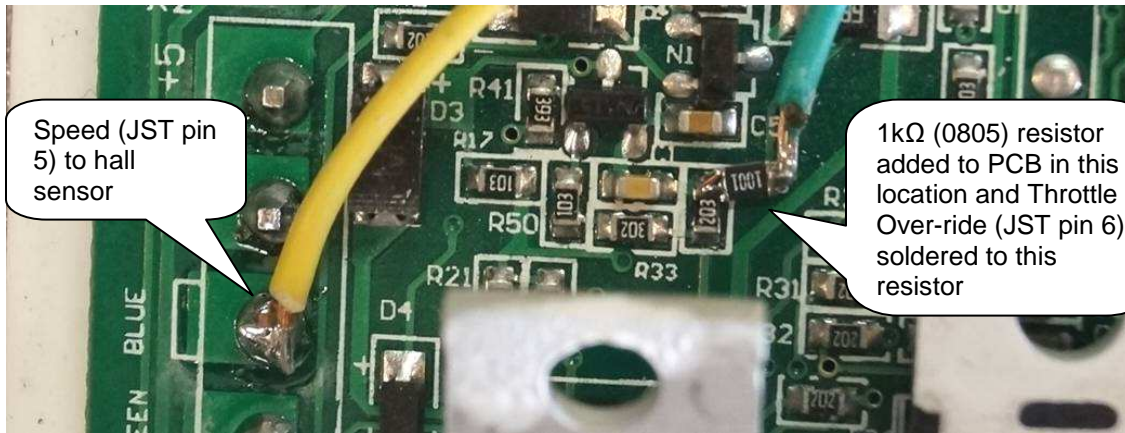
Shunt + (JST pin 4) solder here to +ve side of shunt



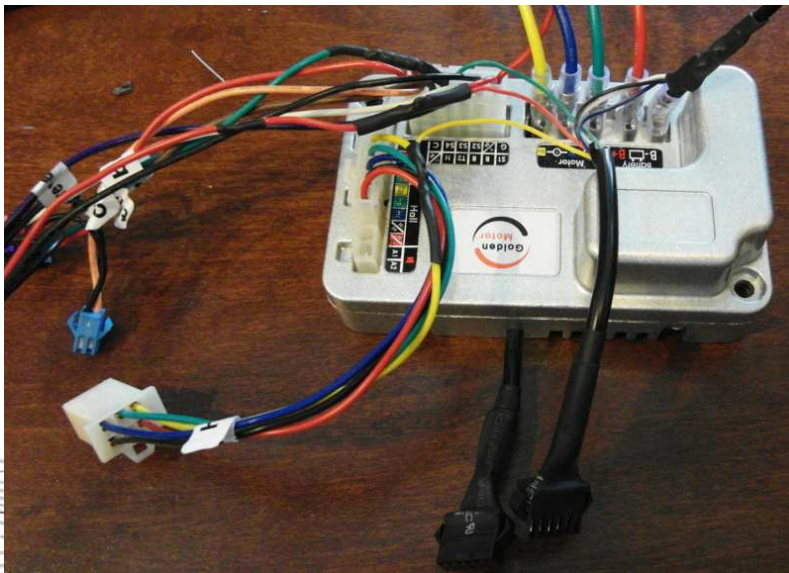
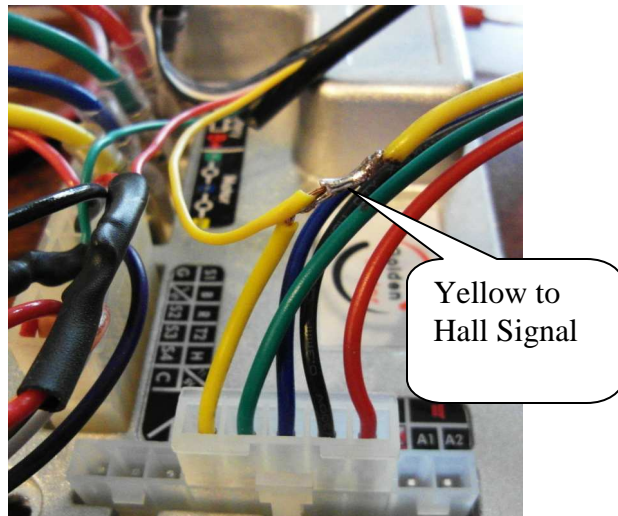
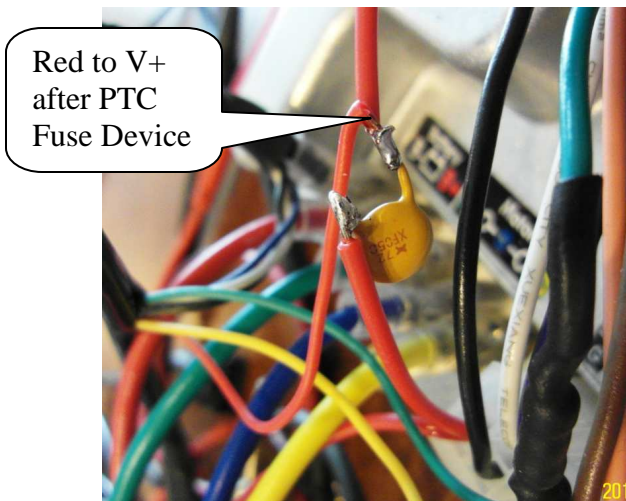
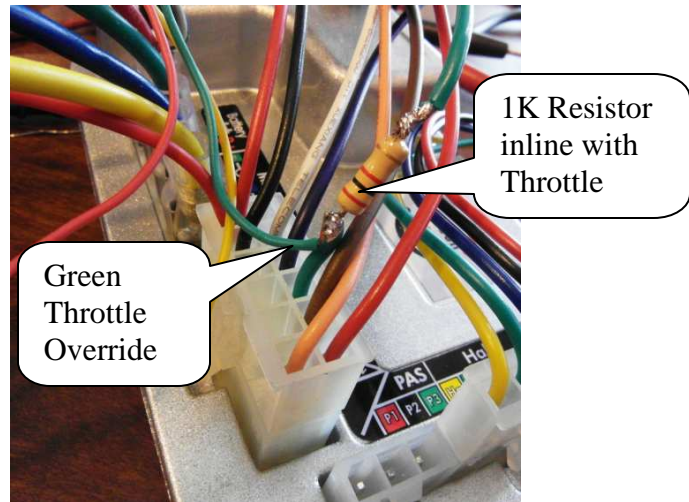
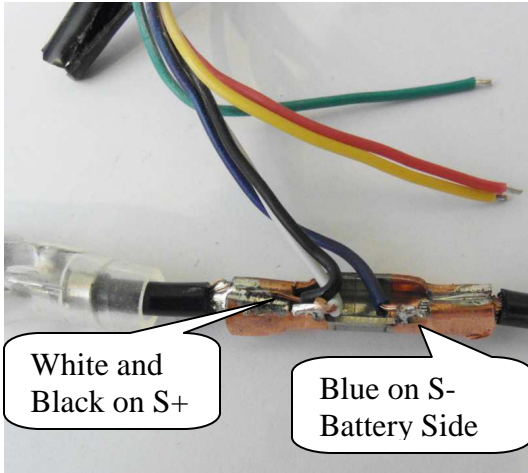
Finished Magic Pie Controller with additional CA-DP plug



Direct Plug Cycle Analyst Tap Points External Golden Controller



Direct Plug Cycle Analyst Tap Example on Wiring Harness Only



Finished controller example has both internally wired CA-DP plug through the casing, and also an externally wired CA-DP plug from the harness connections.

