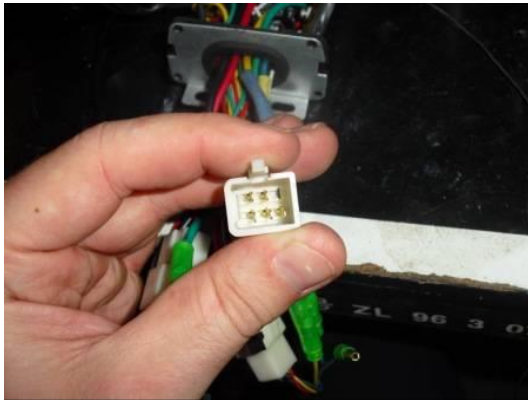
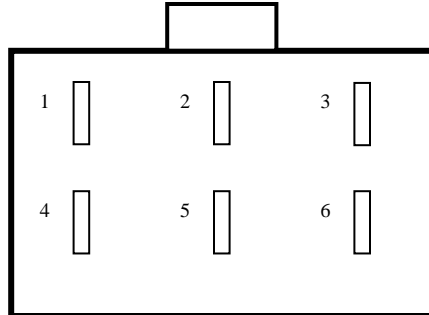
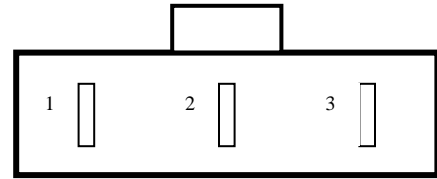
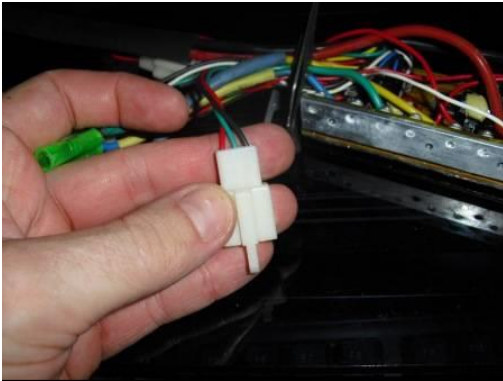


Throttle with Cruise switch:

1	GND	GND
2	Cruise Signal	CR
3	NA	
4	Throttle 5V	+5V
5	Throttle Signal	SP
6	Throttle Ground	GND

Enable cruise by momentarily linking Cruise Signal and Ground.
Throttle signal typically varies between approx. 1V and 4V.

3 Speed Switch:



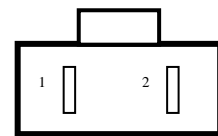
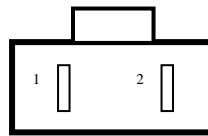
1	X1
2	X2
3	GND

Speed 1 = link X1 to GND

Speed 2 = no connection

Speed 3 = link X2 to GND

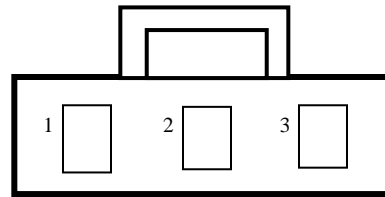
E-Brake:



1	Ebrake Signal	EBS-
2	GND	GND

Ebrake is active when Ebrake Signal is linked to GND.

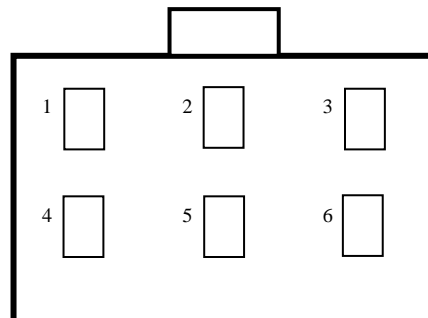
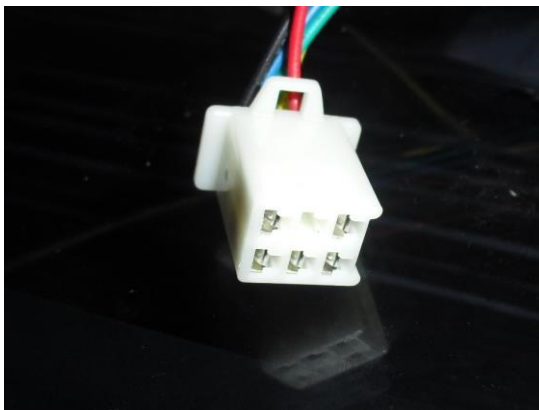
Ignition Switch (Low Current):



1	Positive Feed	Vcc
2		
3	Positive Supply	Vcc-L

Link the 2 pins to power on the controller.

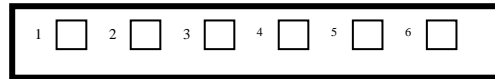
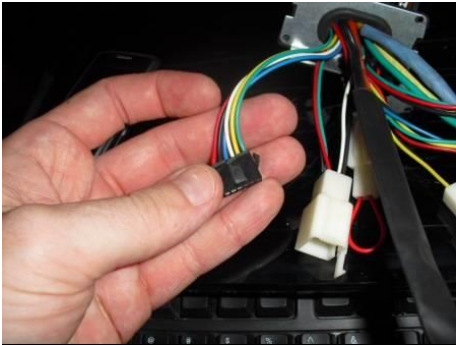
Hall Sensor (May also include Temp Sensor signal):



1	Hall Ground	Black	GND
2	Temp OP	Yellow (if fitted)	To CA Plug
3	Hall 5V Supply		5V
4	Hall Sensor OP	Blue	SA (sense A)
5	Hall Sensor OP	Green	SB (sense B)
6	Hall Sensor OP	Yellow	SC (sense C)

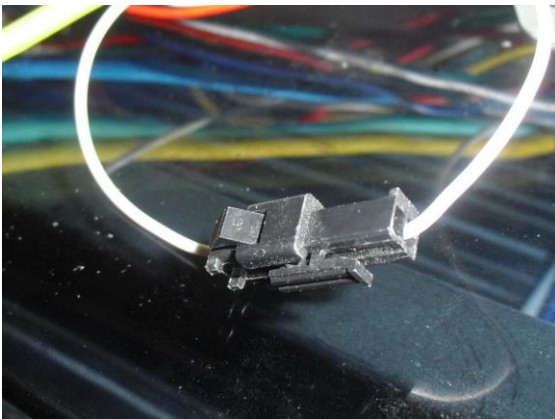
The temperature sensor line is not fitted as standard, but can be easily added for use with V3 Cycle Analyst.

CA Connector:



1	Battery Voltage	Vcc-L
2	GND	Shunt +ve
3	Shunt -ve	Shunt -ve
4	Shunt +ve	Shunt +ve
5	Speed Signal	HE
6	Throttle signal	SLA

Regen Braking Enable/Disable (not valid for 6 fet 4110):



With the JST-SM plugs connected together, Regen Braking is enabled. Disconnected, Regen is disabled.

Plug 1	Ground	White	GND
Plug 2	Regen Enable	White	BK