

ECU A (Black Connector)			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Battery +12v	Chassis Interface - 1	
2	Ignition +12v	Chassis Interface - 2	
3	Power GND	Chassis Interface - 3	
4			
5			
6			
7			
8	Crank/CAM Ground	Crank - 3	
		Inlet CAM 1 - 2	
		Exhaust CAM 2 - 2	
9	Crank Signal	Crank - 2	
10	Inlet CAM Signal 1	Inlet CAM 1 - 1	
11	Water Temperature	Water Temperature - 1	
12	Air Temperature	Air Temperature - 4	
13	Ignition 1	Ignition Coil 1 - 2	
14	Ignition 2	Ignition Coil 2 - 2	
15	Ignition 3	Ignition Coil 3 - 2	
16	Ignition 4	Ignition Coil 4 - 2	
17	Fuel Pressure	Fuel Pressure - 1	
18	Exhaust CAM Signal 2	Exhaust CAM 2 - 1	
19	Tempature AGND	Water Temperature - 2	
		Air Temperature - 3	
20			
21	CAN High	Chassis Interface - 4	
		ECU Comms - 6	
22	CAN Low	Chassis Interface - 5	
		ECU Comms - 7	
23	Program	ECU Comms - 3	
24			
25			
26	VCT Inlet	VCT Inlet - 2	
27	VCT Exhaust	VCT Exhaust - 2	
28	Thermostat	Thermostat - 2	
29	Fuel Pump Control	Chassis Interface - 6	
30	AGND	Chassis Interface - 12	
		MAP Sensor - 2	
		Fuel Pressure - 2	
		TPS - 4	
31	Gear Lever Load Cell	Chassis Interface - 8	
32	TPS Signal 1	TPS - 3	
33	MAP Signal	MAP Sensor - 3	
34	+5V	Inlet CAM 1 - 3	
		Exhaust CAM 2 - 3	
		MAP Sensor - 1	
		TPS - 5	
35	Power GND	Chassis Interface - 3	

ECU B (Blue Connector)			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Injector 1 +ve	Injector 1 - 1	
2	Injector 2 +ve	Injector 2 - 1	
3	Injector 3 +ve	Injector 3 - 1	
4	Injector 4 +ve	Injector 4 - 1	
5	TPS Half Bridge +	TPS - 1	
6	TPS Half Bridge -	TPS - 2	
7	HPV +	HPV - 2	
8	HPV -	HPV - 1	
9	Boost Controller	Boost Controller - 2	
10	Fan Control	Chassis Interface - 7	
11	+5V	Chassis Interface - 11	
		Fuel Pressure - 3	
		Air Temperature - 2	
		Crank - 1	
12			
13	Injector 1 -ve	Injector 1 - 2	
14	Injector 2 -ve	Injector 2 - 2	
15	Injector 3 -ve	Injector 3 - 2	
16	Injector 4 -ve	Injector 4 - 2	
17			
18			
19			
20			
21			
22			
23			
24			
25	TPS Signal 2	TPS - 6	
26	PPS Signal 1	Chassis Interface - 13	
27	PPS Signal 2	Chassis Interface - 14	
28			
29			
30			
31			
32			
33			
34			
35			

Chassis Interface			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Battery +12v	ECU A - 1	
2	Ignition +12v	ECU A - 2	
3	Power GND	ECU A - 3	
		ECU A - 35	
		ECU Comms - 1	
4	CAN High	ECU A - 21	
5	CAN Low	ECU A - 22	
6	Fuel Pump Control	ECU A - 29	
7	Fan Control	ECU B - 10	
8	Gear Lever Load Cell	ECU A - 31	
9	Engine +12V	VCT Inlet - 1	
		VCT Exhaust - 1	
		Thermostat - 1	
		Boost Controller - 1	
10	Starter Solenoid	Starter Solenoid - 1	
11	PPS +5V	ECU B - 11	
12	PPS 0V	ECU A - 30	
13	PPS Signal 1	ECU B - 26	
14	PPS Signal 2	ECU B - 27	

ECU Comms			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Ground	Chassis Interface - 3	
2			
3	Program	ECU A - 23	
4			
5			
6	CAN High	ECU A - 21	
7	CAN Low	ECU A - 22	
8			
9			

Starter Solenoid			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Starter Solenoid	Chassis Interface - 10	

Ignition Coil 1			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Coil +12V	Battery Isolator - 1	
2	Ignition 1 Signal	ECU A - 13	
3			

Ignition Coil 2			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Coil +12V	Battery Isolator - 1	
2	Ignition 2 Signal	ECU A - 14	
3			

Ignition Coil 3			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Coil +12V	Battery Isolator - 1	
2	Ignition 3 Signal	ECU A - 15	
3			

Ignition Coil 4			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Coil +12V	Battery Isolator - 1	
2	Ignition 4 Signal	ECU A - 16	
3			

Battery Isolator			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Coil +12V	Ignition Coil 1 - 1	
		Ignition Coil 2 - 1	
		Ignition Coil 3 - 1	
		Ignition Coil 4 - 1	

Crank Sensor			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	+5V	ECU B - 11	
2	Crank Signal	ECU A - 9	
3	Crank/CAM Ground	ECU A - 8	

Inlet CAM 1 Sensor			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Inlet CAM 1 Signal	ECU A - 10	
2	Crank/CAM Ground	ECU A - 8	
3	+5V	ECU A - 34	

Exhaust CAM 2 Sensor			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Exhaust CAM 2 Signal	ECU A - 18	
2	Crank/CAM Ground	ECU A - 8	
3	+5V	ECU A - 34	

Water Temperature			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Water Temp Signal	ECU A - 11	
2	Temperature AGND	ECU A - 19	

Air Temperature			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1			
2	+5V	ECU B - 11	
3	Temperature AGND	ECU A - 19	
4	Air Temp Signal	ECU A - 12	

MAP Sensor			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	+5V	ECU A - 34	
2	AGND	ECU A - 30	
3	MAP Signal	ECU A - 33	

Fuel Pressure Sensor

<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Fuel Pressure Signal	ECU A - 17	
2	AGND	ECU A - 30	
3	+5V	ECU B - 11	

Throttle (TPS)

<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	TPS Half Bridge +	ECU B - 5	
2	TPS Half Bridge -	ECU B - 6	
3	TPS Signal 1	ECU A - 32	
4	AGND	ECU A - 30	
5	+5V	ECU A - 34	
6	TPS Signal 2	ECU B - 25	

VCT Inlet

<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Engine +12V	Chassis Interface - 9	
2	VCT Inlet Signal	ECU A - 26	

VCT Exhaust

<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Engine +12V	Chassis Interface - 9	
2	VCT Exhaust Signal	ECU A - 27	

Thermostat

<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Engine +12V	Chassis Interface - 9	
2	Thermostat Signal	ECU A - 28	

Injector 1			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Injector 1 +ve	ECU B - 1	
2	Injector 1 -ve	ECU B - 13	

Injector 2			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Injector 2 +ve	ECU B - 2	
2	Injector 2 -ve	ECU B - 14	

Injector 3			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Injector 3 +ve	ECU B - 3	
2	Injector 3 -ve	ECU B - 15	

Injector 4			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Injector 4 +ve	ECU B - 4	
2	Injector 4 -ve	ECU B - 16	

HPV (Fuel Pump)			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	HPV -	ECU B - 8	
2	HPV +	ECU B - 7	

Boost Controller			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Engine +12V	Chassis Interface - 9	
2	Boost Control Signal	ECU B - 9	