

Wire Colors				Software Selectable			Venus3 6Cyl Layout				Software Selectable				Wire Colors			
			Sim leds	Pr 3	Priority2	Priority1	Pin Name			Pin Name		Priority1	Priority2	Pr 3	Sim leds			
	E24	E22						P1 - 12 Way Input									E22	E24
	Green	Green					Water Temp	7	1	Air Temp						Yellow	Yellow	
	Red	Red					Lambda	8	2	TPS						Blue	Blue	
	Red	Red					.+5 Volt Out	9	3	MAP						Blue	Blue	
	Red	Red					.+12 Volt Ign	10	4	GND						Black	Black	
	N/C	Yellow					TDC Sensor	11	5	TDC Power						Blue	N/C	
	Blue	Green					Crank Sensor	12	6	Crank Power						Red	Red	
								Internal	3Bar Alt Sensor	Altitude Sensor	Map Sensor							
E33	E32	E31					P2 - 10 Way Output									E31	E32	E33
Black/Red	Black/Red	Black/Red	N6			Coil 1 Drv	Coil Negative 1	6	1	Coil Negative 2	Coil 2 Drv			N5	Black/Purple	N/C	Black/Purple	
Black/Brown	N/C	Black/Brown	N4			Coil 3 Drv	Coil Negative 3	7	2	Coil Negative 4	Inj 3 Drv			N3	Black/Orange	N/C	Black/Orange	
Black/Yellow	Black/Yellow	Black/Yellow	N2			Inj 2 Drv	Coil Negative 5	8	3	Coil Negative 6	Inj 1 Drv			N1	Black/White	Black/White	Black/White	
Green	Green	Green	RPM	GP3		RPM Out	GP Output 3	9	4	Relay Out	Relay Out			Relay	Blue/Black	Blue	Blue	
Blue/White	Blue/White	Blue/White	GP2	GP2	Cam 2	Idle Valve	GP Output 2	10	5	GP Output 1	Dual Idle	Cam 1	GP1	GP1	Blue/Orange	Blue/Orange	Blue/Orange	
	P05-P3	USB					6 Way USB									USB	P05-P3	
	Green	N/C					Tuning Pot	4	1	Dual Map Sw						N/C	Yellow	
	Yellow	Yellow					Receive	5	2	Transmit						Green	Green	
	Red	Red					.+5 Volt Out	6	3	GND						Blue	Blue	

***|Note!! Coil and Injector numbers used here are firing phases from the ECU. It is not the firing order on your engine.
Refer to the drawings for Phase to firing order comparison.***

GP Output 1 to 3 = Negative drivers 20 Volt 8.9 Amp Drivers
RPM Output = Negative driver 20 Volt 8.9 Amp Drivers with 1K pullup to 12V
Coil Negative 1 to 6 = Negative Coil Drivers for Basic Coils 500 Volt 18 Amp Drivers
An optional 3 Bar map sensor can be soldered onto board. It can be used as Altitude or MAP sensor. For an internal MAP sensor you need to make a hole in the lid for the pipe to come through.
Basic Coil = Coil without driver - 0.5 to 0.9 Ohm Primary winding - Charges with earth signal and discharges with open signal
Smart Coil = Coil with Built in driver - Charges with positive signal and discharges with earth signal. External 220 Ohm 5 Watt resistor to 12V must be added for each driver.
If you use the 3 Bar onboard sensor for MAP then you must use a 2.5 Bar external sensor for Altitude.

Coil Phaze	Fire Order Ex. 1 5 3 6 2 4
	<i>Wasted Spark</i>
Coil Neg 1	1 - 6
Coil Neg 2	5 - 2
Coil Neg 3	3 - 4

Inject Phaze	Fire Order Ex. 1 5 3 6 2 4
	<i>Split Seq</i>
Coil Neg 6	1 - 6
Coil Neg 5	5 - 2
Coil Neg 4	3 - 4