

Wire Colors			Software		<b>Orion 3/6Cyl Layout</b>			Software		Wire Colors		
			Priority2	Priority1				Priority1	Priority2			
	<b>E24</b>	<b>E22</b>			<b>P1-12 Way Input</b>					<b>E22</b>	<b>E24</b>	
	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	
<b>E33</b>	<b>E32</b>	<b>E31</b>			<b>P2-10 Way Output</b>					<b>E31</b>	<b>E32</b>	<b>E33</b>
Black/Red	Black/Red	Black/Red		Coil Drv 1	Coil1	6	1	Coil2	Coil Drv 2	Black/Purple	N/C	Black/Purple
Black/Brown	N/C	Black/Brown		Coil Drv 3	Coil3	7	2	Coil4	Inj Drv 3	Black/Orange	N/C	Black/Orange
Black/Yellow	Black/Yellow	Black/Yellow		Inj Drv 2	N2	8	3	N1	Inj Drv 1	Black/White	Black/White	Black/White
Green	Green	Green		RPM Out	N4	9	4	N3	Relay Out	Blue/Black	Blue	Blue
Blue/White	Blue/White	Blue/White	GP2	Idle Vlve	N6	10	5	N5	Dual Idle	Blue/Orange	Blue/Orange	Blue/Orange
		<b>E36</b>			<b>P3-8 Way Output</b>					<b>E36</b>		
		Red/White		Coil Drv 1 T	P1	5	1	P2	Coil Drv 2 T	Red/Yellow		
		Red/Orange		Coil Drv 3 T	P3	6	2	P4	Not Used	Red/Green		
		Red			+.12 Volt In	7	3	+.12 Volt In		Red		
		White	GP4	GP2	Coil5	8	4	Coil6	GP3	Blue		
					<b>P4-4 Way Serial</b>							
					SDA	3	1	SCL				
					-.5 Volt Out	4	2	GND				
	<b>P05-P3</b>	<b>USB</b>			<b>6 Way USB</b>					<b>USB</b>	<b>P05-P3</b>	
	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 actual firing order on your engine. Refer to the drawings for Phase to firing order comparison.**

N1 to N6 = Negative 41 Volt 19V Drivers

P1 to P4 = 12 Volt 6 Amp current limit drivers

Coil1 to Coil6 = Negative 500 Volt 18 Amp Drivers

Coil 1 to 4 and P1 to P4 share the same Micro drivers.

Tuning Pot and Coil6 share the same Micro Driver. Selection with Jumper on board

Dual Map Sw and Coil5 share the same Micro Driver. Selection with Jumper on board

A 3 Bar map sensor optional to be soldered on board. Can be used as Alt or MAP sensor.

GP2 - If Idle valve is selected then GP2 move to GP4 position