

Wire Colors			Software		Orion Lexus 8Cyl 1UZ 2C			Software		Wire Colors			
	<b>E24</b>	<b>E22</b>	<b>Priority2</b>	<b>Priority1</b>				<b>Priority1</b>	<b>Priority2</b>				
	Green	Green			<b>P1-12 Way Input</b>					<b>E22</b>	<b>E24</b>		
	Red	Red			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			Black/Purple	N/C	Black/Purple
Black/Brown	N/C	Black/Brown		Inj Drv 4	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 Valve	N6	10	5	N5	Dual Idle	GP1	Blue/Orange	Blue/Orange	Blue/Orange
					<b>P3-8 Way Output</b>					<b>E36</b>			
		Red/White		Coil Drv 1 T	P1	5	1	P2			Red/Yellow		
		Red/Orange			P3	6	2	P4			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