

8Cyl Lexus VVTi

Mercury3 ECU Layout

Wire Colors		Software Selectable				Mercury3 ECU Layout						Software Selectable				Wire Colors	
		Sim leds	Priority3	Priority2	Priority1							Priority1	Priority2	Priority3	Sim leds		
M61-P1	M60-P1					P1 - 12 Way Input										M60-P1	M61-P1
Yellow/Red	Yellow/Red					Water Temp	7	1	Air Temp					Yellow/Black	Yellow/Black		
Yellow/Green	Yellow/Green					Lambda	8	2	TPS					Green/Black	Green/Black		
Red	Red					.+5 Volt Out	9	3	MAP					Green Red	Green Red		
Orange	Orange					.+12 Volt Ign	10	4	GND					Black	Black		
	Blue					TDC Sensor	11	5	Cam2 Sensor					Red			
Blue	Blue					Crank Sensor	12	6	Cam1 Sensor					Red	Red		
M68-P2 / M69-P2 / M62-P2						P2 - 10 Way Output										M62-P2 / M69-P2 / M68-P2	
3-Relay	Red/Yellow	P2			Coil Drv 2	P2 12 Volt	6	1	P1 12 Volt	Coil Drv 1				P1	Red/White	3-Relay	
2-Relay	Red/Green	P4			Coil Drv 4	P4 12 Volt	7	2	P3 12 Volt	Coil Drv 3				P3	Red/Orange	2-Relay	
No-Relay	Red/Black	P6			Cam2	P6 12 Volt	8	3	P5 12 Volt	Cam1				P5	Red/Blue	No-Relay	
	N/C	E Rel				Electronic Relay	9	4	Relay Out					Relay	Blue		
	Red					.+12 Volt In	10	5	.+12 Volt In						Red		
	M63-P3					P3 - 8 Way Output										M63-P3	
	Black/Red	N6			Inj Drv 6	N6 Ground	5	1	N5 Ground	Inj Drv 5				N5	Black/Purple		
	Black/Brown	N4			Inj Drv 4	N4 Ground	6	2	N3 Ground	Inj Drv 3				N3	Black/Orange		
	Black/Yellow	N2			Inj Drv 2	N2 Ground	7	3	N1 Ground	Inj Drv 1				N1	Black/White		
	Green	RPM				RPM Out	8	4	GP1 Out	Anti-Lag		GP1		GP1	Blue/Orange		
	M64-P4					P4 - 6 Way In/Output										M64-P4	
	Brown					Fuel Sensor	4	1	GP2 Out	Intake Flap				GP2	Blue/White		
	Green/Yellow					POT	5	2	Altitude						Purple		
	Red					.+5 Volt Out	6	3	GND						Black		
	M65-P5					P5 - 4 Way Output										M65-P5	
	Blue/Red	N8			Inj Drv 8	N8 Ground	3	1	N7 Ground	Inj Drv 7				N7	Blue/Grey		
	Red/Black	P8	GP3	Idle Valve	Micro Fuel	P8 12 Volt	4	2	P7 12 Volt	Fuel Pump	Dual Idle	GP2		P7	Red/Blue		
	USB					Comms - 6 Way USB/Firm										USB	
	N/C					Programmer 2	4	1	Programmer 1						N/C		
	Yellow					Receive	5	2	Transmit						Green		
	Red					.+5 Volt Out	6	3	GND						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.