

8Cyl LS2 Ver 3.5A

Wire Colors		Software		Mercury2 Input / Outputs				Software		Wire Colors	
		Priority2	Priority1					Priority1	Priority2		
M01-P1	MEX02-2			P1 - 12 Way Input						MEX02-2	M01-P1
Green	Red			Water Temp	7	1	Air Temp			Red	Yellow
Red	Red			Lambda	8	2	TPS			Blue	Blue
Red	Red			+.5 Volt Out	9	3	MAP			Blue	Blue
Orange	Orange			+.12 Volt Ign	10	4	GND			Black	Black
Yellow	Yellow			TDC Sensor	11	5	Cam2 Sensor			Blue	N/C
Green	Green			Crank Sensor	12	6	Cam1 Sensor			Red	N/C
M02-P2	MEX02-2			P2 - 10 Way Output						MEX02-2	M02-P2
Red/Yellow	Red/Yellow		Coil Drv 2	P2 12 Volt	6	1	P1 12 Volt	Coil Drv 1		Red/White	Red/White
Red/Green	Red/Green		Coil Drv 4	P4 12 Volt	7	2	P3 12 Volt	Coil Drv 3		Red/Orange	Red/Orange
Red/Black	Red/Black	GP4	Idle Valve	P6 12 Volt	8	3	P5 12 Volt	Dual Idle	GP3	Red/Blue	Red/Blue
Blue/Black	N/C			Electronic Relay	9	4	Relay Out			Blue	Blue/Red
Red	Red			+.12 Volt In	10	5	+.12 Volt In			Red	Red
M03-P3	MEX02-2			P3 - 8 Way Output						MEX02-2	M03-P3
Black/Red	Black/Red	GP8	Inj Drv 6	N6 Ground	5	1	N5 Ground	Inj Drv 5	GP7	Black/Purple	Black/Purple
Black/Brown	Black/Brown		Inj Drv 4	N4 Ground	6	2	N3 Ground	Inj Drv 3		Black/Orange	Black/Orange
Black/Yellow	Black/Yellow		Inj Drv 2	N2 Ground	7	3	N1 Ground	Inj Drv 1		Black/White	Black/White
Green	Green			RPM Out	8	4	GP1 Out	GP1		Blue/Orange	Blue/Orange
M04-P4	MEX02-2			P4 - 6 Way In/Output						MEX02-2	M04-P4
Yellow	Yellow			Fuel Sensor	4	1	GP2 Out	GP2		Blue/White	Blue/White
Blue	Blue			POT	5	2	Altitude			Green	Green
Red	Red			+.5 Volt Out	6	3	GND			Blue	Blue
M07-P5	MEX02-2			P5 - 4 Way Output						MEX02-2	M07-P5
Black/Yellow	Blue	GP10	Inj Drv 8	N8 Ground	3	1	N7 Ground	Inj Drv 7	GP9	White	Black/White
Red/Yellow	Green	GP6	Micro Fuel	P8 12 Volt	4	2	P7 12 Volt	Fuel Pump	GP5	Yellow	Red/White
	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.