6Cyl M3 E46 Ver 3.5A

Mercury2 Input / Outputs

Wire Colors			Software						Software		Wire Colors	
		Priority3	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	GP3	Micro Fuel	Fuel Pump	P4 12 Volt	7	2	P3 12 Volt	Coil Drv 3		Red/Orange	Red/Orange
Red/Black	Red/Black			Cam2 Open	P6 12 Volt	8	3	P5 12 Volt	Cam2 Close		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		GP6	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		GP5	Dual Idle	N8 Ground	3	1	N7 Ground	Idle Valve	GP4	White	Black/White
Red/Yellow	Green			Cam1 Open	P8 12 Volt	4	2	P7 12 Volt	Cam1 Close		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.