

						6Cyl M3 E46									
Wire Colors		Software Selectable				Mercury2 ECU Layout				Software Selectable				Wire Colors	
		Sim leds	Priority3	Priority2	Priority1					Priority1	Priority2	Priority3	Sim leds		
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	P2			Coil Drv 2	Positive 2	6	1	Positive 1	Coil Drv 1			P1	Red/White	Red/White
Red/Green	Red/Green	P4	GP3	Micro Fuel	Fuel Pump	Positive 4	7	2	Positive 3	Coil Drv 3			P3	Red/Orange	Red/Orange
Red/Black	Red/Black	P6			Cam2 Open	Positive 6	8	3	Positive 5	Cam2 Close			P5	Red/Blue	Red/Blue
Blue/Black	N/C	E Rel				Electronic Relay	9	4	Relay Negative				Relay	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	N6	GP8		Inj Drv 6	Negative 6	5	1	Negative 5	Inj Drv 5		GP7	N5	Black/Purple	Black/Purple
Black/Brown	Black/Brown	N4	GP6		Inj Drv 4	Negative 4	6	2	Negative 3	Inj Drv 3			N3	Black/Orange	Black/Orange
Black/Yellow	Black/Yellow	N2			Inj Drv 2	Negative 2	7	3	Negative 1	Inj Drv 1			N1	Black/White	Black/White
Green	Green	RPM				Negative 9	8	4	GP Negative 1			GP1	GP1	Blue/Orange	Blue/Orange
M04-P4	MEX02-2					P4 - 6 Way In/Output								MEX02-2	M04-P4
Yellow	Yellow					Fuel Sensor	4	1	GP Negative 2	Anti-Lag		GP2	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	N8	GP5		Dual Idle	Negative 8	3	1	Negative 7	Idle Valve		GP4	N7	White	Black/White
Red/Yellow	Green	P8			Cam1 Open	Positive 8	4	2	Positive 7	Cam1 Close			P7	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.