

6Cyl M3 E46

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
						P2 - 10 Way Output								M62-P2 / M69-P2 / M68-P2	
3-Relay	Red/Yellow	P2			Coil Drv 2	Positive 2	6	1	Positive 1	Coil Drv 1			P1	Red/White	3-Relay
2-Relay	Red/Green	P4	GP3	Micro Fuel	Fuel Pump	Positive 4	7	2	Positive 3	Coil Drv 3			P3	Red/Orange	2-Relay
No-Relay	Red/Black	P6			Cam2 Open	Positive 6	8	3	Positive 5	Cam2 Close			P5	Red/Blue	No-Relay
	N/C	E Rel				Electronic Relay	9	4	Relay Negative				Relay	Blue	
	Red					.+12 Volt In	10	5	.+12 Volt In					Red	
						P3 - 8 Way Output								M63-P3	
	Black/Red	N6	GP8		Inj Drv 6	Negative 6	5	1	Negative 5	Inj Drv 5		GP7	N5	Black/Purple	
	Black/Brown	N4	GP6		Inj Drv 4	Negative 4	6	2	Negative 3	Inj Drv 3			N3	Black/Orange	
	Black/Yellow	N2			Inj Drv 2	Negative 2	7	3	Negative 1	Inj Drv 1			N1	Black/White	
	Green	RPM				Negative 9	8	4	GP Negative 1			GP1	GP1	Blue/Orange	
						P4 - 6 Way In/Output								M64-P4	
	Brown					Fuel Sensor	4	1	GP Negative 2	Anti-Lag		GP2	GP2	Blue/White	
	Green/Yellow					POT	5	2	Altitude					Purple	
	Red					.+5 Volt Out	6	3	GND					Black	
						P5 - 4 Way Output								M65-P5	
	Blue/Red	N8	GP5		Dual Idle	Negative 8	3	1	Negative 7	Idle Valve		GP4	N7	Blue/Grey	
	Red/Black	P8			Cam1 Open	Positive 8	4	2	Positive 7	Cam1 Close			P7	Red/Blue	
						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.