

Mercedes 722.6 5Sp

Wire Colors				Software Selectable				Mercury3 TCU Layout				Software Selectable		Wire Colors	
		Sim leds	Priority2	Priority1					Priority1	Priority2	Sim leds				
M70-P1	M71-P1				P1 - 12 Way							M71-P1	M70-P1		
Yellow/Red	Yellow/Red			Oil Temp1K	Water Temp	7	1	Air Temp	Low Range			Yellow/Black	Yellow/Black		
Yellow/Green	Yellow/Green			Shifter Switch	Lambda	8	2	TPS	TPS			Yellow	Yellow		
Red	Red				.+5 Volt Out	9	3	MAP				N/C	N/C		
Orange	Orange				.+12 Volt Ign	10	4	GND				Black	Black		
Blue	Blue			Speed	TDC Sensor	11	5	Cam2 Sensor				N/C	N/C		
Blue	Green			RPM	Crank Sensor	12	6	Cam1 Sensor				N/C	N/C		
					P2 - 10 Way Output							M72-P2 / M68-P2			
	Red/Yellow	P2		Overdrive LED	P2 12 Volt	6	1	P1 12 Volt	2nd Start LED		P1	Red/White			
	Red/Green	P4		Tiptronic LED	P4 12 Volt	7	2	P3 12 Volt	Lockup LED		P3	Red/Orange			
	Red/Black	P6			P6 12 Volt	8	3	P5 12 Volt	Low Range LED		P5	Red/Blue			
	N/C	E Rel			Electronic Relay	9	4	Relay Out	Relay 85		Relay	Blue/Red			
	Red				.+12 Volt In	10	5	.+12 Volt In				Red			
					P3 - 8 Way Output							M73-P3			
	Black/Red	N6		Lockup Pressure	N6 Ground	5	1	N5 Ground	Line Pressure		N5	Black/Purple			
	Black/Brown	N4		Shift PS	N4 Ground	6	2	N3 Ground	3-4 Shift		N3	Black/Orange			
	Black/Yellow	N2		2-3 Shift	N2 Ground	7	3	N1 Ground	1-2 / 4-5 Shift		N1	Black/White			
	Green	RPM		Speedo Out	RPM Out	8	4	GP1 Out	GP1		GP1	Blue/Orange			
					P4 - 6 Way In/Output							M74-P4			
	Brown			4 Map Switch	Fuel Sensor	4	1	GP2 Out	GP2		GP2	Blue/White			
	Green/Yellow	N7	Up Switch	Overdrive	POT	5	2	Altitude	Second Start	Down Switch	N8	Purple			
	Red				.+5 Volt Out	6	3	GND				Black			
					P5 - 4 Way Output							M75-P5			
	Blue/Red			Retard	N8 Ground	3	1	N7 Ground	Starter Lockout			Blue/Grey			
	Red/Black	P8		Reverse Lights	P8 12 Volt	4	2	P7 12 Volt			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			

Firmware Program

Mercury2 TCU Advance Mercedes 722.6 Ver 3.3B

Firmware Class Advance

2 GP output available.

Only 2K oil temperature sensor selection is allowed. It is calibrated for a 1K NTC sensor.

When overdrive or second start is selected then the tiptronic buttons will be disabled and there functions changed to these functions.

Low range, Overdrive and Second Start could be used with different map selections without connections to the tranny or buttons.

Shifter	Gear allowed	Engine Brake
P	1	
R	1	
N	1	
D	1,2,3,4,5	

Shifter	Gear allowed	Engine Brake
P	1	
R	1	
N	1	
4-D	1,2,3,4,5	3,4
3	1,2,3	
2	1,2	
1	1	