

## Mercedes 722.6 5Sp

Wire Colors		Firmware		Mercury2 Input / Outputs				Firmware		Wire Colors	
		Priority2	Priority1					Priority1	Priority2		
<b>MTSX01/2</b>	<b>MTWX01/2</b>			<b>P1 - 12 Way</b>						<b>MTWX01/2</b>	<b>MTSX01/2</b>
Green	Green		Oil Temp1K	Water Temp	7	1	Air Temp	Low Range		Yellow	Yellow
Blue	Blue		Shifter Switch	Lambda	8	2	TPS	TPS		Yellow	Blue
Red	Red			+.5 Volt Out	9	3	MAP			Blue	Blue
Orange	Orange			+.12 Volt Ign	10	4	GND			N/C	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
<b>MTSX01/2</b>	<b>MTWX01/2</b>			<b>P2 - 10 Way</b>						<b>MTWX01/2</b>	<b>MTSX01/2</b>
Red/Yellow	Red/Yellow		Overdrive LED	P2 12 Volt	6	1	P1 12 Volt	2nd Start LED		Red/White	Red/White
Red/Green	Red/Green		Tiptronic LED	P4 12 Volt	7	2	P3 12 Volt	Lockup LED		Red/Orange	Red/Orange
Red/Black	Red/Black			P6 12 Volt	8	3	P5 12 Volt	Low Range LED		Red/Blue	Red/Blue
N/C	N/C			Electronic Relay	9	4	Relay Out	Relay 85		Blue/Red	Blue/Red
Red	Red			+.12 Volt In	10	5	+.12 Volt In			Red	Red
<b>MTSX01/2</b>	<b>MTWX01/2</b>			<b>P3 - 8 Way</b>						<b>MTWX01/2</b>	<b>MTSX01/2</b>
Black/Red	Black/Red		Lockup Pressure	N6 Ground	5	1	N5 Ground	Line Pressure		Black/Purple	Black/Purple
Black/Brown	Black/Brown		Shift PS	N4 Ground	6	2	N3 Ground	3-4 Shift		Black/Orange	Black/Orange
Black/Yellow	Black/Yellow		2-3 Shift	N2 Ground	7	3	N1 Ground	1-2 / 4-5 Shift		Black/White	Black/White
Green	Green		Speedo Out	RPM Out	8	4	GP1 Out	GP1		Blue/Orange	Blue/Orange
<b>MTSX01/2</b>	<b>MTWX01/2</b>			<b>P4 - 6 Way</b>						<b>MTWX01/2</b>	<b>MTSX01/2</b>
Blue	Blue		4 Map Switch	Fuel Sensor	4	1	GP2 Out	GP2		Blue/White	Blue/White
Red	Red	Up Switch	Overdrive	POT	5	2	Altitude	Second Start	Down Switch	Blue	Blue
Red	Red			+.5 Volt Out	6	3	GND			Black	Black
<b>MTSX01/2</b>	<b>MTWX01/2</b>			<b>P5 - 4 Way</b>						<b>MTWX01/2</b>	<b>MTSX01/2</b>
Blue	Blue		Retard	N8 Ground	3	1	N7 Ground	Starter Lockout		White	White
Green	Green		Reverse Lights	P8 12 Volt	4	2	P7 12 Volt			Yellow	Yellow
<b>USB</b>	<b>USB</b>			<b>Comms - 6 Way</b>						<b>USB</b>	<b>USB</b>
N/C	N/C			Programmer 2	4	1	Programmer 1			N/C	N/C
Yellow	Yellow			Receive	5	2	Transmit			Green	Green
Red	Red			+.5 Volt Out	6	3	GND			Blue	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	