

# GM 4L60E 4 Speed

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 Input</b>						<b>MTWX01/2</b>	<b>MTSX01/2</b>
Green	Green		Oil Temp 3.5K	Water Temp 2K	7	1	Air Temp 10K	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 TCU</b>						<b>MTWX01/2</b>	<b>MTSX01/2</b>
Red/Yellow	Red/Yellow		Shift B Solenoid	P2 12 Volt	6	1	P1 12 Volt	Shift A Solenoid		Red/White	Red/White
Red/Green	Red/Green	(If 2 Solenoids)	Lockup Solenoid	P4 12 Volt	7	2	P3 12 Volt	3-2 Shift		Red/Orange	Red/Orange
Red/Black	Red/Black	(Later Models)	Lockup Pressure	P6 12 Volt	8	3	P5 12 Volt	Line Pressure		Red/Blue	Red/Blue
N/C	N/C			Electronic Relay	9	4	Relay Out			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 ECU</b>						<b>MTWX01/2</b>	<b>MTSX01/2</b>
Black/Red	Black/Red		Tiptronic LED	N6 Ground	5	1	N5 Ground			Black/Purple	Black/Purple
Black/Brown	Black/Brown		Retard	N4 Ground	6	2	N3 Ground	Low Range LED		Black/Orange	Black/Orange
Black/Yellow	Black/Yellow			N2 Ground	7	3	N1 Ground			Black/White	Black/White
Green	Green			RPM Out	8	4	GPN1 Ground	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	GPN2 Ground	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		Overdrive LED	N8 Ground	3	1	N7 Ground			White	White
Green	Green		2nd Start LED	P8 12 Volt	4	2	P7 12 Volt	Lockup LED		Yellow	Yellow
<b>USB</b>	<b>USB</b>			<b>Comms - 6 Way USB</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 GM 4L60E Ver 3.3B**

Firmware Class Intermediate

2 GP output available

3.5K and 2K oil temperature sensor selections are allowed.

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 Break
P	1	
R	1	
N	1	
D	1,2,3,4	
3	1,2,3	
2	1,2	
1	1	