

Aisin A750E 5 Speed														
Wire Colors			Software Selectable		Mercury2 TCU Layout				Software Selectable		Wire Colors			
		Sim leds	Priority2	Priority1					Priority1	Priority2	Sim leds			
MTSX01/2	MTWX01/2				P1 - 12 Way Input							MTWX01/2	MTSX01/2	
Green	Green			Oil Temp 3.5K	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	
MTSX01/2	MTWX01/2				P2 - 10 Way Output							MTWX01/2	MTSX01/2	
Red/Yellow	Red/Yellow	P2		S2 Shift	P2 12 Volt	6	1	P1 12 Volt	S1 Shift		P1	Red/White	Red/White	
Red/Green	Red/Green	P4		Low Range LED	P4 12 Volt	7	2	P3 12 Volt	SR Shift		P3	Red/Orange	Red/Orange	
Red/Black	Red/Black	P6		Overdrive LED	P6 12 Volt	8	3	P5 12 Volt	2nd Start LED		P5	Red/Blue	Red/Blue	
N/C	N/C	E Rel			Electronic Relay	9	4	Relay Out			Relay	Blue/Red	Blue/Red	
Red	Red				.+12 Volt In	10	5	.+12 Volt In				Red	Red	
MTSX01/2	MTWX01/2				P3 - 8 Way Output							MTWX01/2	MTSX01/2	
Black/Red	Black/Red	N6			N6 Ground	5	1	N5 Ground	Retard		N5	Black/Purple	Black/Purple	
Black/Brown	Black/Brown	N4		SL2 Pressure	N4 Ground	6	2	N3 Ground	SL1 Pressure		N3	Black/Orange	Black/Orange	
Black/Yellow	Black/Yellow	N2		SLU Lockup Pressure	N2 Ground	7	3	N1 Ground	SLT Line Pressure		N1	Black/White	Black/White	
Green	Green	RPM			RPM Out	8	4	GP1 Out	GP1		GP1	Blue/Orange	Blue/Orange	
MTSX01/2	MTWX01/2				P5 - 4 Way Output							MTWX01/2	MTSX01/2	
Blue	Blue			4 Map Switch	Fuel Sensor	4	1	GP2 Out	GP2		GP2	Blue/White	Blue/White	
Red	Red	N7	Up Switch	Overdrive	POT	5	2	Altitude	Second Start	Down Switch	N8	Blue	Blue	
Red	Red				.+5 Volt Out	6	3	GND				Black	Black	
MTSX01/2	MTWX01/2				P5 - 4 Way Output							MTWX01/2	MTSX01/2	
Blue	Blue			Reverse Lights	N8 Ground	3	1	N7 Ground	Starter Lockout			White	White	
Green	Green	P8		Tiptronic LED	P8 12 Volt	4	2	P7 12 Volt	Lockup LED		P7	Yellow	Yellow	
USB	USB				Comms - 6 Way USB/Firm							USB	USB	
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 5 Aisin A750E Ver 3.3D Used with 4L V6 and 4.7L V8 engines.
Firmware Class Advance
2 GP output available.
Only 2K oil temperature sensor selection is allowed. Transmisiion has a 3.5K 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 Break	
P	1		
R	1		
N	1		
D 5-4	1,2,3,4,5	4,5	
3	1,2,3	3	
2-1	1,2	1,2	With Tiptronic Button for 1st E/B