

Aisin A750E 5 Speed

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 Input									M71-P1		M70-P1	
Yellow/Red	Yellow/Red			Oil Temp 3.5K	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			
M72-P2 / M68-P2				P2 - 10 Way Output									M72-P2 / M68-P2			
Red/Yellow		P2		S2 Shift	P2 12 Volt	6	1	P1 12 Volt	S1 Shift			P1	Red/White			
Red/Green		P4		Low Range LED	P4 12 Volt	7	2	P3 12 Volt	SR Shift			P3	Red/Orange			
Red/Black		P6		Overdrive LED	P6 12 Volt	8	3	P5 12 Volt	2nd Start LED			P5	Red/Blue			
N/C		E Rel			Electronic Relay	9	4	Relay Out				Relay	Blue/Red			
Red					.+12 Volt In	10	5	.+12 Volt In					Red			
M73-P3				P3 - 8 Way Output									M73-P3			
Black/Red		N6			N6 Ground	5	1	N5 Ground	Retard			N5	Black/Purple			
Black/Brown		N4		SL2 Pressure	N4 Ground	6	2	N3 Ground	SL1 Pressure			N3	Black/Orange			
Black/Yellow		N2		SLU Lockup Pressure	N2 Ground	7	3	N1 Ground	SLT Line Pressure			N1	Black/White			
Green		RPM			RPM Out	8	4	GP1 Out	GP1			GP1	Blue/Orange			
M74-P4				P4 - 4 Way 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			
M75-P5				P5 - 4 Way Output									M75-P5			
Blue/Red				Reverse Lights	N8 Ground	3	1	N7 Ground	Starter Lockout				Blue/Grey			
Red/Black		P8		Tiptronic LED	P8 12 Volt	4	2	P7 12 Volt	Lockup LED			P7	Red/Blue			
USB				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 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