

# AB60 A761E 6 Speed

Wire Colors		Software Selectable		Mercury3 TCU Layout				Software Selectable		Wire Colors			
		Sim leds	Priority2	Priority1					Priority1	Priority2	Sim leds	M71-P1	M70-P1
					<b>P1 - 12 Way Input</b>								
<b>M70-P1</b>	<b>M71-P1</b>				Water Temp	7	1	Air Temp	Low Range			Yellow/Black	Yellow/Black
Yellow/Red	Yellow/Red			Oil Temp 3.5K	Lambda	8	2	TPS	TPS			Yellow	Yellow
Yellow/Green	Yellow/Green			Shifter Switch	.+5 Volt Out	9	3	MAP				N/C	N/C
Red	Red				.+12 Volt Ign	10	4	GND	GND Out			Black	Black
Orange	Orange				TDC Sensor	11	5	Cam2 Sensor				N/C	N/C
Blue	Blue			Speed	Crank Sensor	12	6	Cam1 Sensor				N/C	N/C
Blue	Green			RPM									
					<b>P2 - 10 Way Output</b>								
	<b>M72-P2 / M68-P2</b>				P2 12 Volt	6	1	P1 12 Volt	Shift 1		P1	Red/White	
	Red/Yellow	P2		Shift 2	P4 12 Volt	7	2	P3 12 Volt	Shift 3		P3	Red/Orange	
	Red/Green	P4		Shift 4	P6 12 Volt	8	3	P5 12 Volt	SR Shift		P5	Red/Blue	
	Red/Black	P6		2nd Start LED	Electronic Relay	9	4	Relay Out			Relay	Blue/Red	
	N/C	E Rel			.+12 Volt In	10	5	.+12 Volt In				Red	
	Red												
					<b>P3 - 8 Way Output</b>								
	<b>M73-P3</b>				N6 Ground	5	1	N5 Ground	SL2 Pres		N5	Black/Purple	
	Black/Red	N6		Retard	N4 Ground	6	2	N3 Ground	Low Range LED		N3	Black/Orange	
	Black/Brown	N4		SL1 Pres	N2 Ground	7	3	N1 Ground	SLT Line Pres		N1	Black/White	
	Black/Yellow	N2		SLU Lockup Pres	RPM Out	8	4	GP1 Out	GP1		GP1	Blue/Orange	
	Green	RPM		Speedo Out									
					<b>P4 - 6 Way In/Output</b>								
	<b>M74-P4</b>				Fuel Sensor	4	1	GP2 Out	GP2	Tiptronic LED	GP2	Blue/White	
	Brown			4 Map Switch	POT	5	2	Altitude	Second Start	Down Switch	N8	Purple	
	Green/Yellow	N7	Up Switch	Overdrive	.+5 Volt Out	6	3	GND				Black	
	Red												
					<b>P5 - 4 Way Output</b>								
	<b>M75-P5</b>				N8 Ground	3	1	N7 Ground	Starter Lockout			Blue/Grey	
	Blue/Red			Overdrive LED	P8 12 Volt	4	2	P7 12 Volt	Lockup LED		P7	Red/Blue	
	Red/Black	P8		Reverse Lights									
					<b>Comms - 6 Way USB/Firm</b>								
	<b>USB</b>				Programmer 2	4	1	Programmer 1				N/C	
	N/C				Receive	5	2	Transmit				Green	
	Yellow				.+5 Volt Out	6	3	GND				Blue	
	Red												

Firmware Program

**Mercury2 TCU AdvanceAB60 A761E Ver 3.3**

Firmware Class Advance

2 GP output available.

Only 2K oil temperature sensor selection is allowed. It is calibrated for a 3.5K 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 Break
P	1	
R	1	
N	1	
D	1,2,3,4,5,6	

Engine brake occur in the S position and only that gear that is selected. Lower gears will free wheel.