

Jatco RE4R01A 4 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 2K	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
					P2 - 10 Way Output							M72-P2 / M68-P2	
	Red/Yellow	P2		SHIFTB	P2 12 Volt	6	1	P1 12 Volt	SHIFTA		P1	Red/White	
	Red/Green	P4			P4 12 Volt	7	2	P3 12 Volt	Overrun Sol		P3	Red/Orange	
	Red/Black	P6		Lockup Pres	P6 12 Volt	8	3	P5 12 Volt	Line Pres		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	
					P3 - 8 Way Output							M73-P3	
	Black/Red	N6		Tiptronic LED	N6 Ground	5	1	N5 Ground	Lockup LED		N5	Black/Purple	
	Black/Brown	N4		Retard	N4 Ground	6	2	N3 Ground	Low Range LED		N3	Black/Orange	
	Black/Yellow	N2		Overdrive LED	N2 Ground	7	3	N1 Ground	2nd Start LED		N1	Black/White	
	Green	RPM			RPM Out	8	4	GPN1 Ground	GP1		GP1	Blue/Orange	
					P4 - 6 Way In/Output							M74-P4	
	Brown			4 Map Switch	Fuel Sensor	4	1	GPN2 Ground	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	
					P5 - 4 Way Output							M75-P5	
	Blue/Red				N8 Ground	3	1	N7 Ground	Starter Lockout			Blue/Grey	
	Red/Black	P8		Reverse Lights	P8 12 Volt	4	2	P7 12 Volt			P7	Red/Blue	
					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 Intermediate 18 Jatco RE4R01A Ver 3.3A

Firmware Class Intermediate

2 GP output available

Only 2K oil temperature sensor selection is 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	2,3,4
2	1,2,3	2
1	1,2	1