

Wire Colors		Firmware		Jatco RE5R05A 5Sp Mercury2 Input / Outputs		Firmware		Wire Colors			
		Priority2	Priority1			Priority1	Priority2				
MTSX01/2	MTWX01/2			P1 - 12 Way Input						MTWX01/2	MTSX01/2
Green	Green		Low Range	Water Temp	7	1	Air Temp	Oil Temp 6K5 / 20	TFT1	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	20/rev	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 TCU						MTWX01/2	MTSX01/2
Red/Yellow	Red/Yellow		Direct Clutch	P2 12 Volt	6	1	P1 12 Volt	High & Low Reverse Clutch		Red/White	Red/White
Red/Green	Red/Green		Front Brake Band	P4 12 Volt	7	2	P3 12 Volt	Input Clutch		Red/Orange	Red/Orange
Red/Black	Red/Black		TCC Solenoid	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
MTSX01/2	MTWX01/2			P3 - 8 Way ECU						MTWX01/2	MTSX01/2
Black/Red	Black/Red		Tiptronic LED	N6 Ground	5	1	N5 Ground	Lockup LED		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		Overdrive LED	N2 Ground	7	3	N1 Ground	2nd Start LED		Black/White	Black/White
Green	Green			RPM Out	8	4	GPN1 Ground	GP1		Blue/Orange	Blue/Orange
MTSX01/2	MTWX01/2			P4 - 6 Way						MTWX01/2	MTSX01/2
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
MTSX01/2	MTWX01/2			P5 - 4 Way						MTWX01/2	MTSX01/2
Blue	Blue			N8 Ground	3	1	N7 Ground	Starter Lockout		White	White
Green	Green		Reverse Lights	P8 12 Volt	4	2	P7 12 Volt	Low Coast Brake Clutch		Yellow	Yellow
USB	USB			Comms - 6 Way USB						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 Intermediate 19 Jatco RE5R05A Ver 3.3B

Firmware Class Advance

2 GP output available

Only 10K oil temperature sensor selection is allowed. The transmission sensor is 6.5K at 20°C.

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	