

TCU Wiring Chart rev3.2 January 18, 2006

TCM 2000	TCM2006 and TCM2008		colors	Pin Function	Harness Function			
	CPC	C1-16PIN						
1	1	1	red	+12v	Battery Connection			
5	2		orange/black	Speed Input 1	Engine Speed Input			
8	3		orange/lt. Blue	Speed Input 4	Optional Speed Input			
46	4		yellow/black	Analog Input 1	Analog Input		db9 pinout	
47	5		yellow/red	Analog Input 2	Analog Input	1		
48	6		yellow/lt. Green	Analog Input 3	Analog Input	2	transmit	Red
49	7		yellow/lt. Blue	Analog Input 4	Analog Input	3	receive	Black
54	8	14	black/white	Sensor/AD Gnd	Sensor or reference Gnd	4		
58	9	15	red/white	Ref Voltage (+5v Sensor Output)	Sensor/reference Voltage	5	gnd	White
9	10		orange/white	Speed Output	Speedometer Drive Output	6		
30	11		serial	RS-232 Transmit	Communications Cable	7		
31	12		cable	RS-232 Receive	Communications Cable	8		
32	13		pins2,3,5	CAN/RS-232 GND	Communications Cable	9		
33	14		white/red	CAN High	Communications Cable			
34	15		white/black	CAN Low	Communications Cable			
62	16		black	Gnd	Battery Connection			
6		2	orange/red	Speed Input 2	Transmission Speed Input			
7		3	orange/lt. Green	Speed Input 3	TCC Speed Input			
13		4	gray/black	Digital Input 1	Digital Input			
14		5	gray/red	Digital Input 2	Digital Input			
15		6	gray/lt. Green	Digital Input 3	Digital Input			
16		7	gray/lt. Blue	Digital Input 4	Digital Input			
17		8	gray/white	Digital Input 5	Digital Input			
18		9	gray/orange	Digital Input 6	Digital Input			
21		10	gray/yellow	Digital Input 7	Digital Input			
22		11	gray/pink	Digital Input 8	Digital Input			
50		12	yellow/white	Analog Input 5/temp	Analog Input			
51		13	yellow/orange	Analog Input 6/temp	Analog Input			
23		16	brown/black	Digital Input 9	Digital Input			
24		17	brown/red	Digital Input 10	Digital Input			
25		18	brown/lt. Green	Digital Input 11	Digital Input			
26		19	brown/lt. Blue	Digital Input 12	Digital Input			
39		20	brown/white	Digital Input 13	Digital Input			
40		21	brown/orange	Digital Input 14	Digital Input			
41		22	brown/yellow	Digital Input 15	Digital Input			
42		23	brown/pink	Digital Input 16	Digital Input			
37		25	violet/black	PWM Out 1/freq 1	PWM/Solenoid Driver			
28		26	violet/red	PWM Out 2/freq1	PWM/Solenoid Driver			
20		27	violet/lt. Green	PWM Out 3/freq2	PWM/Solenoid Driver			
12		28	violet/lt. Blue	PWM Out 4/freq2	PWM/Solenoid Driver			
52		29	violet/white	Pwm Out 5/freq1	PWM/Solenoid Driver			
45		30	violet/orange	PWM Out 6/freq1	PWM/Solenoid Driver			
59		31	pink/black	Digital Out 1/ PWM Out 7	Digital/PWM Driver			
53		32	pink/red	Digital Out 2/ PWM Out 8	Digital/PWM Driver			
36		33	pink/lt. Green	Digital Out 3/ PWM Out 9	Digital/PWM Driver			
44		34	pink/lt. Blue	Digital Out 4	Digital Driver			
19		35	pink/white	Digital Out 5	Digital Driver			
27		36	pink/orange	Digital Out 6	Digital Driver			
63		37	black	Gnd	Battery Connection			
2			red	+12v	Battery Connection			
3			red	+12v	Battery Connection			
4			red	+12v	Battery Connection			
10			-	unused	-			
11			-	unused	-			
29			-	unused	-			
35			-	unused	-			
38			-	unused	-			
43			-	unused	-			
55			-	unused	-			
56			-	unused	-			
57			-	unused	-			
60			black	Gnd	Battery Connection			
61			black	Gnd	Battery Connection			