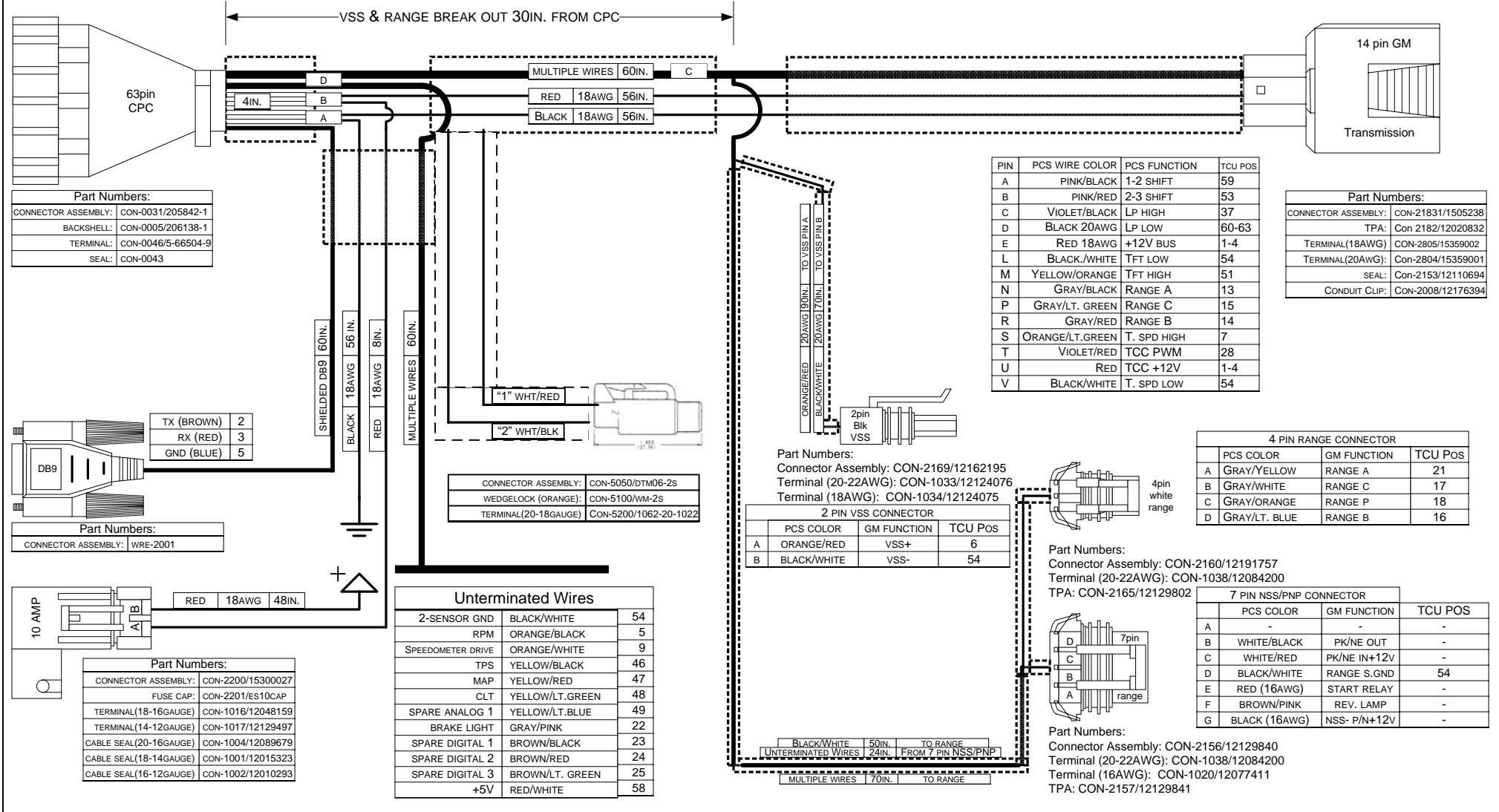
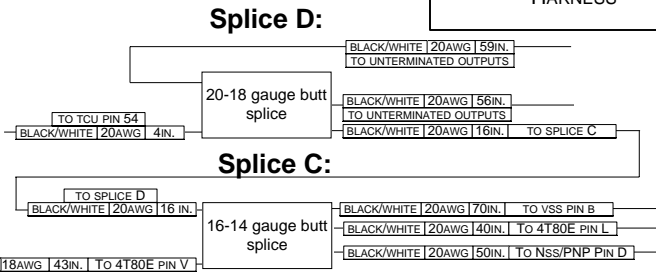
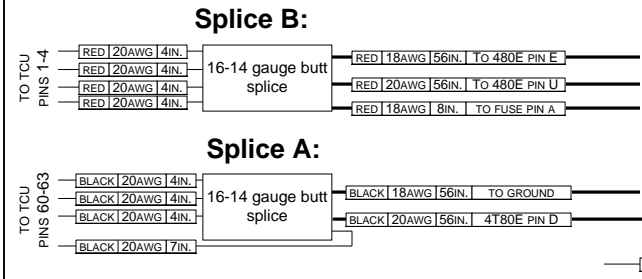


PART NUMBER: TCM - 4102	REV. 0	DESCRIPTION ORIGINAL REVISION	DATE 7/26/2004	BY JB
DESCRIPTION: 4T80E TRANSMISSION HARNESS	REV. 1	DESCRIPTION NEW FORMAT	DATE 5/25/2005	BY RC



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TITLE:

**TCU 4T80E HARNESS**

PART NUMBER: TCM - 4102

DESCRIPTION:  
HARNESS DIAGRAM FOR 4T80E  
APPLICATIONS (GM 4SPEED)

DRAWN BY: J. Ballenger DATE: 7/26/2004 PAGE: 2 OF 2

REV.	DESCRIPTION	DATE	BY
0	ORIGINAL REVISION	7/26/2004	JB
1	NEW FORMAT	5/25/2005	RC

CPC	Pin Function	Harness Function	4T80E	colors
1	+12v	Battery Connection	+12v	red
2	+12v	Battery Connection	+12v	red
3	+12v	Battery Connection	+12v	red
4	+12v	Battery Connection	+12v	red
5	Speed Input 1	Engine Speed Input	RPM	orange/black
6	Speed Input 2	Transmission Speed Input	VSS	orange/red
7	Speed Input 3	TCC Speed Input	Turbine Speed	orange/lt. green
8	Speed Input 4	Optional Speed Input	-	orange/lt. blue
9	Speed Output	Speedometer Drive Output	Speedometer In	orange/white
10	unused	-	-	-
11	unused	-	-	-
12	PWM Out 4/freq2	PWM/Solenoid Driver	-	violet/lt. blue
13	Digital Input 1	Digital Input	range a	gray/black
14	Digital Input 2	Digital Input	range b	gray/red
15	Digital Input 3	Digital Input	range c	gray/lt. green
16	Digital Input 4	Digital Input	range 1/d	gray/lt. blue
17	Digital Input 5	Digital Input	range 2/b	gray/white
18	Digital Input 6	Digital Input	range 3/c	gray/orange
19	Digital Out 5	Digital Driver	-	pink/white
20	PWM Out 3/freq2	PWM/Solenoid Driver	-	violet/lt. green
21	Digital Input 7	Digital Input	range 4/a	gray/yellow
22	Digital Input 8	Digital Input	brake light	gray/pink
23	Digital Input 9	Digital Input	Spare Dig 1	brown/black
24	Digital Input 10	Digital Input	Spare Dig 2	brown/red
25	Digital Input 11	Digital Input	Spare Dig 3	brown/lt. green
26	Digital Input 12	Digital Input	-	brown/lt. blue
27	Digital Out 6	Digital Driver	-	pink/orange
28	PWM Out 2/freq1	PWM/Solenoid Driver	Tcc Pressure	violet/red
29	unused	-	-	-
30	RS-232 Transmit	Communications Cable	db9	white/orange
31	RS-232 Receive	Communications Cable	db9	white/lt. blue
32	CAN/RS-232 GND	Communications Cable	db9	white/lt. green
33	CAN High	Communications Cable	-	white/red
34	CAN Low	Communications Cable	-	white/black
35	unused	-	-	-
36	Digital Out 3/PWM 9	Digital Driver	-	pink/lt. green
37	PWM Out 1/freq 1	PWM/Solenoid Driver	Line Pressure	violet/black
38	unused	-	-	-
39	Digital Input 13	Digital Input	-	brown/white
40	Digital Input 14	Digital Input	-	brown/orange
41	Digital Input 15	Digital Input	-	brown/yellow
42	Digital Input 16	Digital Input	-	brown/pink
43	unused	-	-	-
44	Digital Out 4	Digital Driver	-	pink/lt. blue
45	PWM Out 6/freq1	PWM/Solenoid Driver	-	violet/orange
46	Analog Input 1	Analog Input	tps	yellow/black
47	Analog Input 2	Analog Input	map	yellow/red
48	Analog Input 3	Analog Input	cit	yellow/lt. green
49	Analog Input 4	Analog Input	Spare Analog	yellow/lt. blue
50	Analog Input 5/temp	Analog Input	-	yellow/white
51	Analog Input 6/temp	Analog Input	fluid temp	yellow/orange
52	Pwm Out 5/freq1	PWM/Solenoid Driver	-	violet/white
53	Digital Out 2/PWM 8	Digital Driver	2-3 Shift	pink/red
54	Sensor/AD Gnd	Sensor or reference Gnd	fluid temp/vss	black/white
55	unused	-	-	-
56	unused	-	-	-
57	unused	-	-	-
58	Ref Voltage (+5v)	Sensor/reference Voltage	-	red/white
59	Digital Out 1/PWM 7	Digital Driver	1-2 Shift	pink/black
60	Gnd	Battery Connection	Gnd	black
61	Gnd	Battery Connection	Gnd	black
62	Gnd	Battery Connection	Gnd	black
63	Gnd	Battery Connection	Gnd	black

db9 pinout	DB9
1	none
2	transmit
3	receive
4	none
5	gnd
6	none
7	none
8	none
9	none

Extra Wires List	
1	orange/lt. blue
2	violet/lt. blue
3	pink/white
4	violet/lt. green
5	brown/lt. blue
6	pink/orange
7	pink/lt. green
8	brown/white
9	brown/orange
10	brown/yellow
11	brown/pink
12	pink/lt. blue
13	violet/orange
14	yellow/white
15	violet/white