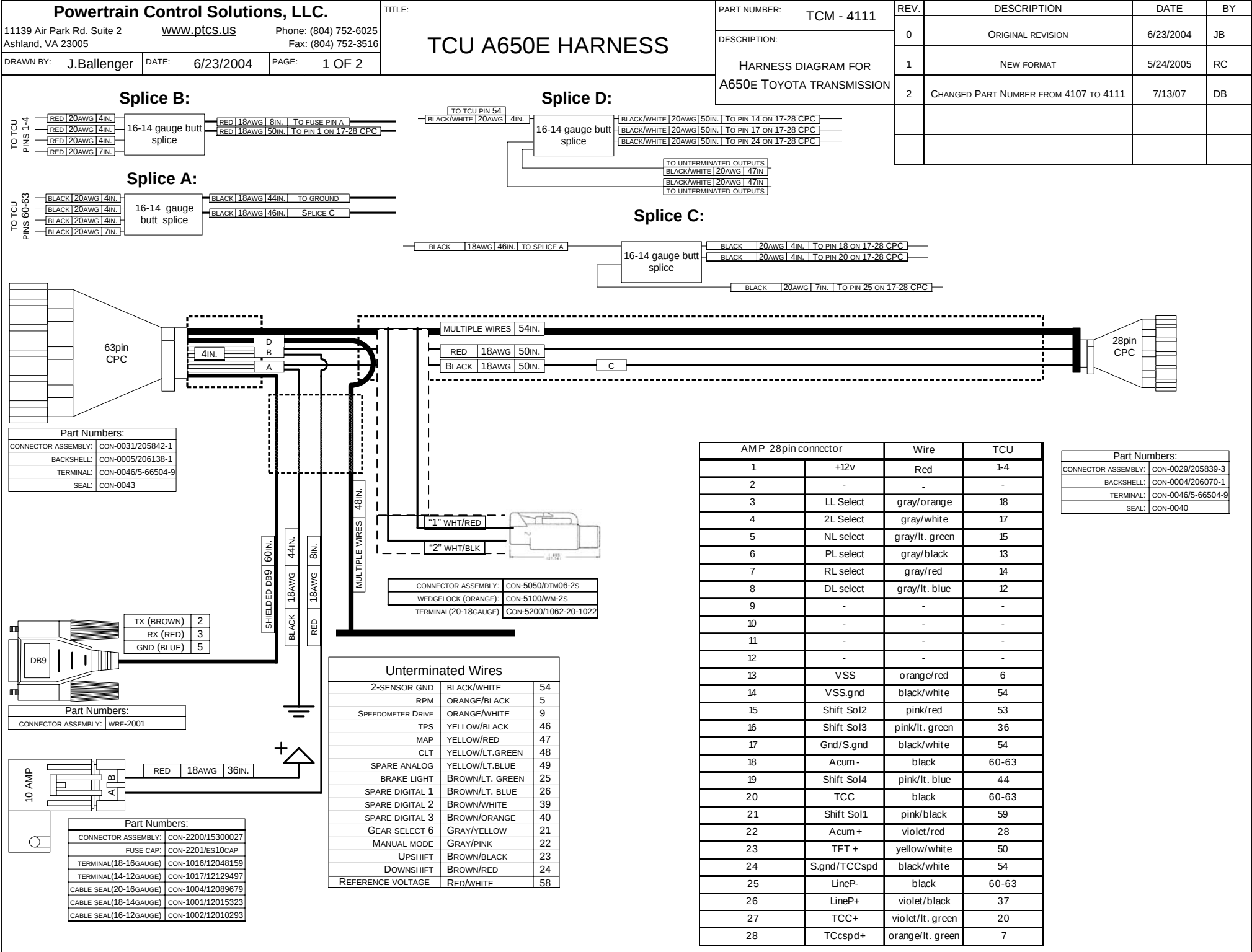




CPC	PCS Color	Pin Fu-tion	Termination	Harness Function
1	red	+12v	Battery Connection	Power
2	red	+12v	Battery Connection	Power
3	red	+12v	Battery Connection	Power
4	red	+12v	Battery Connection	Power
5	orange/black	Speed Input 1	Ignitor Tach Wire	RPM
6	orange/red	Speed Input 2	Sub-harness Pin 13	VSS
7	orange/lr. Green	Speed Input 3	Sub-harness Pin 28	TCC Speed
8	orange/lr. Blue	Speed Input 4	-	-
9	orange/white	Speed Output	Speedometer Output	Speedometer Output
10	-	unused	-	-
11	-	unused	-	-
12	violet/lr. Blue	PWM Out 4/freq2	-	-
13	gray/black	Digital Input 1	Sub-harness Pin 6	PL
14	gray/red	Digital Input 2	Sub-harness Pin 7	RL
15	gray/lr. Green	Digital Input 3	Sub-harness Pin 5	NL
16	gray/lr. Blue	Digital Input 4	Sub-harness Pin 8	DL
17	gray/white	Digital Input 5	Sub-harness Pin 4	2L
18	gray/orange	Digital Input 6	Sub-harness Pin 3	LL
19	pink/white	Digital Out 5	-	-
20	violet/lr. Green	PWM Out 3/freq2	Sub-harness Pin 27	TCC PWM (300Hz, High Driver)
21	gray/yellow	Digital Input 7	Toyota ECU E7 (14)	Gear Select 6 (Active High)
22	gray/pink	Digital Input 8	Toyota ECU E4 (7)	Manual Mode (Active High)
23	brown/black	Digital Input 9	Toyota ECU E4(4)	Upshift Switch (Active Low)
24	brown/red	Digital Input 10	Toyota ECU E4(14)	Downshift Switch (Active Low)
25	brown/lr. Green	Digital Input 11	Brake Light	Brake Light
26	brown/lr. Blue	Digital Input 12	Spare Dig 1	Spare Dig 1
27	pink/orange	Digital Out 6	-	-
28	violet/red	PWM Out 2/freq1	Sub-harness Pin 22	Accum PWM (300Hz, High Driver)
29	-	unused	-	-
30	white/orange	RS-232 Transmit	db-9	Communications Cable
31	white/lr. Blue	RS-232 Receive	db-9	Communications Cable
32	white/lr. Green	CAN/RS-232 GND	db-8	Communications Cable
33	white/red	CAN High	unterminated	Communications Cable
34	white/black	CAN Low	unterminated	Communications Cable
35	-	unused	-	-
36	pink/lr. Green	Digital Out 3/PWM 9	Sub-harness Pin 16	Shift Solenoid 3 (High Drive)
37	violet/black	PWM Out 1/freq 1	Subharness Pin 26	Line P PWM (300Hz, High Driver)
38	-	unused	-	-
39	brown/white	Digital Input 13	Spare Dig 2	Spare Dig 2
40	brown/orange	Digital Input 14	Spare Dig 3	Spare Dig 3
41	brown/yellow	Digital Input 15	-	-
42	brown/pink	Digital Input 16	-	-
43	-	unused	-	-
44	pink/lr. Blue	Digital Out 4	Sub-harness Pin 19	Shift Solenoid 4 (High Drive)
45	violet/orange	PWM Out 6/freq1	-	-
46	yellow/black	Analog Input 1	Toyota ECU E6(23)	TPS
47	yellow/red	Analog Input 2	Toyota ECU XX(YY)	MAP
48	yellow/lr. Green	Analog Input 3	Toyota ECU E(14)	CLT
49	yellow/lr. Blue	Analog Input 4	Spare Analog 1	Spare Analog 1
50	yellow/white	Analog Input 5/temp	Sub-harness Pin 23	Transmission Temp input
51	yellow/orange	Analog Input 6/temp	-	-
52	violet/white	Pwm Out 5/freq1	-	-
53	pink/red	Digital Out 2/PWM 8	Sub-harness Pin 15	Shift Solenoid 2 (High Drive)
54	black/white	Sensor/AD Gnd	Sub-harness Pin 14,24,17	Sensor Gnd
55	-	unused	-	-
56	-	unused	-	-
57	-	unused	-	-
58	red/white	Ref Voltage (+5v Sensor Output)	-	-
59	pink/black	Digital Out 1/PWM 7	Subharness Pin 21	Shift Solenoid 1(High Drive)
60	black	Gnd	Battery Connection	Battery Connection
61	black	Gnd	Battery Connection	Battery Connection
62	black	Gnd	Battery Connection	Battery Connection
63	black	Gnd	Battery Connection	Battery Connection

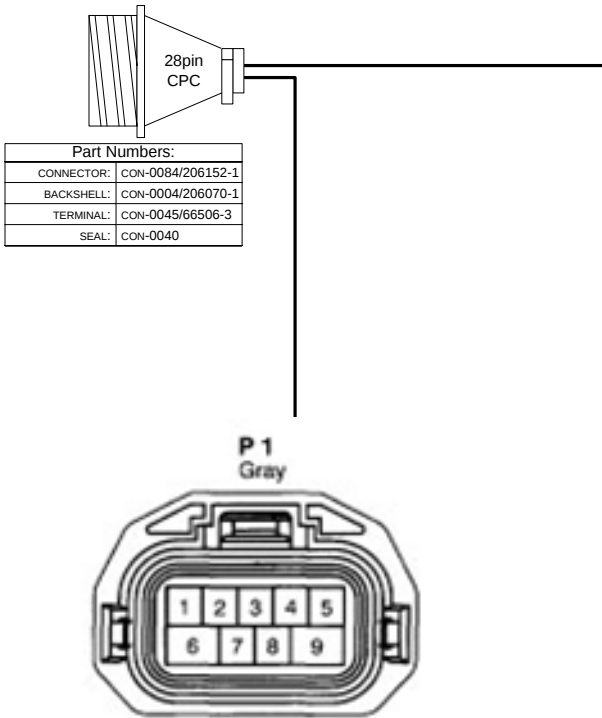
REV.	DESCRIPTION	DATE	BY
0	ORIGINAL REVISION	6/23/2004	JB
1	NEW FORMAT	5/24/2005	RC
2	CHANGED PART NUMBER FROM 4107 TO 4111	7/13/07	DB

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

Extra Wires List	
1	orange/lr. Blue
2	pink/white
3	pink/orange
4	brown/yellow
5	brown/pink
6	violet/orange
7	yellow/orange
8	violet/white
9	red/white
10	Violet/Lt. Blue
11	
12	

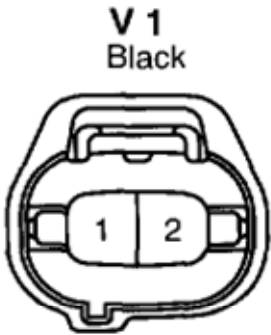
REV.	DESCRIPTION	DATE	BY
0	Original Revision	6/23/2004	JB
1	New Format	5/24/2005	RC
2	Changed part number from 4107 to 4111	7/13/07	DB

Optional Connector



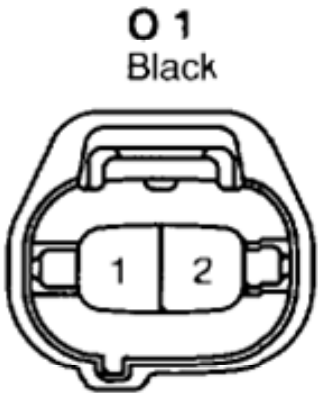
Part Numbers:	
CONNECTOR:	CON-0084/206152-1
BACKSHELL:	CON-0004/206070-1
TERMINAL:	CON-0045/66506-3
SEAL:	CON-0040

Vehicle Speed		
PIN	TOYOTA FUNCTION	TCU Pos
1	SENSOR GROUND	54
2	DRIVESHAFT RPM	6



Solenoid Connector		
PIN	LEXUS FUNCTION	TCU Pos
1	-	UNTERM
2	Line Pressure+	37
3	TCC Speed	28
4	TCC Pressure+	20
5	Shift Sol 3	36
6	Shift Sol 1	59
7	-	UNTERM
8	GROUND	60-63
9	GROUND	60-63
10	GROUND	60-63
11	SHIFT SOL 4	44
12	SHIFT SOL 2	53

Range Switch connector		
PIN	TOYOTA FUNCTION	TCU Pos
1	PARK POSITION (PL)	13
2	REVERSE POSITION (RL)	14
3	SWITCHED, FUSED +12V	1-4
4	2L POSITION	17
5	NEUTRAL POSITION (NL)	15
6	STARTER	UNTERMINATED
7	DL POSITION	16
8	LL POSITION	18
9	STARTER	UNTERMINATED



Turbine Speed		
PIN	TOYOTA FUNCTION	TCU Pos
1	SENSOR GROUND	54
2	TCC SPEED	7

AMP 28pin connector		PCS Wire	TCU
1	+12v	Red	1-4
2	-	-	-
3	LL Select	gray/orange	18
4	2L Select	gray/white	17
5	NL select	gray/lt. green	15
6	PL select	gray/black	13
7	RL select	gray/red	14
8	DL select	gray/lt. blue	12
9	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-
13	VSS	orange/red	6
14	VSS.gnd	black/white	54
15	Shift Sol2	pink/red	53
16	Shift Sol3	pink/lt. green	36
17	Gnd/S.gnd	black/white	54
18	Acum -	black	60-63
19	Shift Sol4	pink/lt. blue	44
20	TCC	black	60-63
21	Shift Sol1	pink/black	59
22	Acum +	violet/red	28
23	TFT +	yellow/white	50
24	S.gnd/TCCspd	black/white	54
25	LineP-	black	60-63
26	LineP+	violet/black	37
27	TCC+	violet/lt. green	20
28	TCcspd+	orange/lt. green	7