	k 200 <i>4 4</i> 8	2/5 3/6	.0 Connector C1 BLUE
Pin	Wire Color	Circuit No.	
1	BLK/WHT	451	Ground 43 Valta Parformance
3	LT GRN PNK/BLK	1867 1746	12 Volt Reference Fuel Injector 3 Control
4	LT GRN/BLK	1746	Fuel Injector 2 Control
5	LI GRIV/ DER	1743	Tuel injector 2 Control
6			Not Used
7	GRY	2705	5 Volt Reference (OIL PRESSURE)
8	GRY		5 Volt Reference (Throttle Position Sensor Pin A) Cable Throttle ONLY
9			Not Used
10			Not Used
11	LT BLU	1876	Knock Sensor 2 Signal
12	DK BLU/WHT	1869	CKP Sensor Signal
13	ORN/BLK	463	Requested Torque Signal (NW7)
14	ORN/BLK	1061	UART Serial Data (drive by wire only)
15	DK BLU/WHT	774	UART Serial Data (drive by wire only)
16		4225	Not Used
17	DK BLU	1225 1226	Transmission Fluid Pressure Switch Signal B (A/T)
18 19	RED PNK	439	Transmission Fluid Pressure Switch Signal C (A/T)
20	ORN	439	PCM Ignition Supply PCM Battery Supply
21	YEL/BLK	1868	Crankshaft Position Sensor Ground
22			Not Used
23	BLK	470	Low Reference
24	BLK/WHT	451	Ground
25	TAN	1671	HO2S Low Signal - Bank 2 Sensor 2
26	TAN	1667	HO2S Low Signal - Bank 2 Sensor 1
27	BLK/WHT	451	Ground
28	TAN/WHT	1669	HO2S Low Signal - Bank 1 Sensor 2
29	TAN	1664	HO2S Low Signal - Bank 1 Sensor 1
30	LT GRN	1478	Coolant Level Switch Signal (empty 2006+)
31			Not Used
<b>32</b>	BLK/WHT	771 420	Transmission Range Switch Signal A (A/T)  TCC Proke Switch (Twice Control Polegge Switch Signal
34	PPL WHT	420 776	TCC Brake Switch/Cruise Control Release Switch Signal  Transmission Range Switch Signal P (A/T) PCM can be programmed to accept a SINGLE WIRE park/neutral signal on this PIN, if no trans mounted range sensor is present
35	GRY	48	CPP Switch Signal (M/T)
36	BLK	1744	Fuel Injector 1 Control
37	YEL/BLK	846	Fuel Injector 6 Control
38	PNK/WHT	1101	Damping Lift/Dive Signal
39	YEL/BLK	625	Starter Enable Relay Control
40	BLK/WHT	451	Ground
41			Not Used
42			Not Used - ADD PIN HERE FOR FAN 1 RELAY CONTROL. 2005+ may already have fan relay pins installed
43	RED/BLK	877	Fuel Injector 7 Control
44	LT BLU/BLK	844	Fuel Injector 4 Control
45	GRY	2700	5 Volt Reference (A/C)
<b>46</b> 47	GRY 	474	5 Volt Reference (EVA)  Not Used
48	GRY	597	5 Volt Reference (MAP)
49-50		371	o rote nererence (mai )
51	DK BLU		Not Used
	DK DLU	496	Not Used Knock Sensor 1 Signal
52			Not Used Knock Sensor 1 Signal Not Used
52		496	Knock Sensor 1 Signal
		496 	Knock Sensor 1 Signal Not Used Low Reference (TRANS) Low Reference (MAP)
53	 GRY	496  720	Knock Sensor 1 Signal Not Used Low Reference (TRANS)
53 54 55 56	GRY ORN/BLK WHT	496  720 469  1579	Knock Sensor 1 Signal  Not Used  Low Reference (TRANS)  Low Reference (MAP)  Not Used  Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION)
53 54 55 56 57	GRY ORN/BLK WHT ORN	496  720 469  1579	Knock Sensor 1 Signal Not Used Low Reference (TRANS) Low Reference (MAP) Not Used Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply
53 54 55 56 57 58	GRY ORN/BLK WHT ORN DK GRN	496  720 469  1579 440 1049	Knock Sensor 1 Signal Not Used Low Reference (TRANS) Low Reference (MAP) Not Used Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data
53 54 55 56 57 58 59	GRY ORN/BLK WHT ORN DK GRN YEL	496  720 469  1579 440 1049 710	Knock Sensor 1 Signal Not Used Low Reference (TRANS) Low Reference (MAP) Not Used Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data Class 2 Serial Data
53 54 55 56 57 58 <b>59</b> 60	GRY ORN/BLK WHT ORN DK GRN YEL BLK	496  720 469  1579 440 1049 710	Knock Sensor 1 Signal Not Used  Low Reference (TRANS) Low Reference (MAP) Not Used  Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data Class 2 Serial Data Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY
53 54 55 56 57 58 <b>59</b> 60 61	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK	496  720 469  1579 440 1049 710  632	Knock Sensor 1 Signal  Not Used  Low Reference (TRANS)  Low Reference (MAP)  Not Used  Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION)  PCM Battery Supply  Class 2 Serial Data  Class 2 Serial Data  Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY  Low Reference (CMP)
53 54 55 56 57 58 <b>59</b> 60 61 62	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK	496 720 469 1579 440 1049 710 632	Knock Sensor 1 Signal  Not Used  Low Reference (TRANS)  Low Reference (MAP)  Not Used  Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION)  PCM Battery Supply  Class 2 Serial Data  Class 2 Serial Data  Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY  Low Reference (CMP)  Not Used
53 54 55 56 57 58 59 60 61 62 63	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK BLK	496 720 469 1579 440 1049 710 632 2755	Knock Sensor 1 Signal Not Used Low Reference (TRANS) Low Reference (MAP) Not Used Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data Class 2 Serial Data Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY Low Reference (CMP) Not Used Low Reference (OIL PRESSURE SENSOR)
53 54 55 56 57 58 59 60 61 62 <b>63</b> 64	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK BLK BLK/WHT	496 720 469 1579 440 1049 710 632 2755 451	Knock Sensor 1 Signal Not Used Low Reference (TRANS) Low Reference (MAP) Not Used Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data Class 2 Serial Data Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY Low Reference (CMP) Not Used Low Reference (OL PRESSURE SENSOR) PCM Ground
53 54 55 56 57 58 59 60 61 62 63 64	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK BLK	496 720 469 1579 440 1049 710 632 2755	Knock Sensor 1 Signal Not Used  Low Reference (TRANS) Low Reference (MAP) Not Used  Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data Class 2 Serial Data Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY Low Reference (CMP) Not Used  Low Reference (OLL PRESSURE SENSOR) PCM Ground HO25 High Signal - Bank 2 Sensor 2
53 54 55 56 57 58 59 60 61 62 <b>63</b> 64	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK BLK BLK/WHT PPL	496 720 469 1579 440 1049 710 632 2755 451 1670 1666	Knock Sensor 1 Signal Not Used Low Reference (TRANS) Low Reference (MAP) Not Used Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data Class 2 Serial Data Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY Low Reference (CMP) Not Used Low Reference (OL PRESSURE SENSOR) PCM Ground
53 54 55 56 57 58 59 60 61 62 63 64 65 66	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK BLK BLK/WHT PPL PPL	496 720 469 1579 440 1049 710 632 2755 451 1670	Knock Sensor 1 Signal Not Used  Low Reference (TRANS) Low Reference (MAP) Not Used  Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data Class 2 Serial Data Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY Low Reference (CMP) Not Used  Low Reference (OIL PRESSURE SENSOR) PCM Ground  HO25 High Signal - Bank 2 Sensor 2 HO25 High Signal - Bank 2 Sensor 1
53 54 55 56 57 58 59 60 61 62 63 64 65 66	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK BLK BLK/WHT PPL PPL BLK/WHT	496 720 469 1579 440 1049 710 632 2755 451 1670 1666 451	Knock Sensor 1 Signal  Not Used  Low Reference (TRANS)  Low Reference (MAP)  Not Used  Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION)  PCM Battery Supply  Class 2 Serial Data  Class 2 Serial Data  Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY  Low Reference (CMP)  Not Used  Low Reference (OIL PRESSURE SENSOR)  PCM Ground  HO25 High Signal - Bank 2 Sensor 1  PCM Ground
53 54 55 56 57 58 59 60 61 62 63 64 65 66 67	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK BLK BLK/WHT PPL PPL BLK/WHT PPL/WHT	496 720 469 1579 440 1049 710 632 2755 451 1660 451 1668	Knock Sensor 1 Signal Not Used Low Reference (TRANS) Low Reference (MAP) Not Used Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data Class 2 Serial Data Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY Low Reference (CMP) Not Used Low Reference (OIL PRESSURE SENSOR) PCM Ground HO25 High Signal - Bank 2 Sensor 2 HO25 High Signal - Bank 2 Sensor 1 PCM Ground HO26 High Signal - Bank 1 Sensor 2
53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK BLK BLK/WHT PPL PPL BLK/WHT PPL/WHT PPL/WHT	496 720 469 1579 440 1049 710 632 2755 451 1666 451 1668 1665	Knock Sensor 1 Signal Not Used Low Reference (TRANS) Low Reference (MAP) Not Used Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data Class 2 Serial Data Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY Low Reference (CMP) Not Used Low Reference (OIL PRESSURE SENSOR) PCM Ground HO2S High Signal - Bank 2 Sensor 1 PCM Ground HO2S High Signal - Bank 1 Sensor 2 HO2S High Signal - Bank 1 Sensor 2 HO2S High Signal - Bank 1 Sensor 2
53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK BLK BLK/WHT PPL PPL BLK/WHT PPL/WHT PPL/WHT BRN	496 720 469 1579 440 1049 710 632 2755 451 1670 1666 451 1668 1665 1174	Knock Sensor 1 Signal Not Used Low Reference (TRANS) Low Reference (MAP) Not Used Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data Class 2 Serial Data Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY Low Reference (CMP) Not Used Low Reference (OIL PRESSURE SENSOR) PCM Ground HO25 High Signal - Bank 2 Sensor 2 HO25 High Signal - Bank 1 Sensor 1 OIL Level Switch Signal
53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK BLK BLK/WHT PPL PPL BLK/WHT PPL/WHT PPL/WHT BRN	496 720 469 1579 440 1049 710 632 2755 451 1670 1666 451 1668 1665 1174	Knock Sensor 1 Signal Not Used Low Reference (TRANS) Low Reference (MAP) Not Used Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data Class 2 Serial Data Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY Low Reference (CMP) Not Used Low Reference (OIL PRESSURE SENSOR) PCM Ground HOZS High Signal - Bank 2 Sensor 2 HO2S High Signal - Bank 2 Sensor 1 PCM Ground HO2S High Signal - Bank 1 Sensor 2 HO2S High Signal - Bank 1 Sensor 2 HO2S High Signal - Bank 1 Sensor 1 Oil Level Switch Signal Not Used
53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK BLK BLK/WHT PPL PPL BLK/WHT PPL/WHT PPL/WHT BRN YEL BRN/WHT YEL	496 720 469 1579 440 1049 710 632 2755 451 1670 1666 451 1668 1665 1174 772	Knock Sensor 1 Signal Not Used Low Reference (TRANS) Low Reference (MAP) Not Used Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data Class 2 Serial Data Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY Low Reference (CMP) Not Used Low Reference (CMP) Not Used Low Reference (OIL PRESSURE SENSOR) PCM Ground HO2S High Signal - Bank 2 Sensor 2 HO2S High Signal - Bank 2 Sensor 1 PCM Ground HO2S High Signal - Bank 1 Sensor 2 HO2S High Signal - Bank 1 Sensor 1 Oil Level Switch Signal Not Used Transmission Range Switch Signal B (A/T) CMP Sensor Signal ECT Sensor Signal
53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK BLK BLK/WHT PPL PPL BLK/WHT PPL/WHT PPL/WHT BRN YEL BRN/WHT YEL BRN/WHT YEL	496 720 469 1579 440 1049 710 632 2755 451 1670 1666 451 1668 1665 1174 772 633 410 1020	Knock Sensor 1 Signal Not Used Low Reference (MAP) Not Used Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data Class 3 Serial Data Class 3 Serial Data Class 4 Serial Data Class 5 Serial Data Class 5 Serial Data Class 5 Serial Data Class 6 Serial Data Class 8 Serial Data Class 8 Serial Data Class 8 Serial Data Class 8 Serial Data Class 9 Serial Data Class 8 Serial Data Class 9 Serial Data Class 9 Serial Data Class 9 Serial Data Class 1 Serial Data Class 9 Serial Data Class 1 Serial Data Class 9 Seri
53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK BLK BLK/WHT PPL PPL BLK/WHT PPL/WHT PPL/WHT BRN YEL BRN/WHT YEL BRN/WHT YEL PNK BLK/WHT	496 720 469 1579 440 1049 710 632 2755 451 1670 1666 451 1668 1665 1174 772 633 410 1020 845	Knock Sensor 1 Signal Not Used Low Reference (MAP) Not Used Fuel Temperature/ Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data Class 2 Serial Data Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY Low Reference (CMP) Not Used Low Reference (OIL PRESSURE SENSOR) PCM Ground HO2S High Signal - Bank 2 Sensor 2 HO2S High Signal - Bank 2 Sensor 1 PCM Ground HO2S High Signal - Bank 1 Sensor 2 HO2S High Signal - Bank 1 Sensor 1 OIL Level Switch Signal Not Used Transmission Range Switch Signal B (A/T) CMP Sensor Signal ECT Sensor Signal ECT Sensor Signal ECT Sensor Signal
53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK BLK BLK/WHT PPL PPL BLK/WHT PPL/WHT PPL/WHT BRN YEL BRN/WHT YEL BRN/WHT YEL	496 720 469 1579 440 1049 710 632 2755 451 1670 1666 451 1668 1665 1174 772 633 410 1020	Knock Sensor 1 Signal Not Used Low Reference (TRANS) Low Reference (MAP) Not Used Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Bettery Supply Class 2 Serial Data Class 2 Serial Data Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY Low Reference (CMP) Not Used Low Reference (OIL PRESSURE SENSOR) PCM Ground HO2S High Signal - Bank 2 Sensor 2 HO2S High Signal - Bank 2 Sensor 1 PCM Ground HO2S High Signal - Bank 1 Sensor 2 HO2S High Signal - Bank 1 Sensor 1 Oil Level Switch Signal - Bank 1 Sensor 1 Oil Level Switch Signal Not Used Transmission Range Switch Signal B (A/T) CMP Sensor Signal ECT Sensor Signal ECT Sensor Signal PCM Signition Supply Fuel Injector 8 Control
53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	GRY ORN/BLK WHT ORN DK GRN YEL BLK PNK/BLK BLK BLK/WHT PPL PPL BLK/WHT PPL/WHT PPL/WHT BRN YEL BRN/WHT YEL BRN/WHT YEL PNK BLK/WHT	496 720 469 1579 440 1049 710 632 2755 451 1670 1666 451 1668 1665 1174 772 633 410 1020 845	Knock Sensor 1 Signal Not Used Low Reference (TRANS) Low Reference (MAP) Not Used Fuel Temperature/ Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION) PCM Battery Supply Class 2 Serial Data Class 2 Serial Data Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY Low Reference (CMP) Not Used Low Reference (OIL PRESSURE SENSOR) PCM Ground HO2S High Signal - Bank 2 Sensor 2 HO2S High Signal - Bank 2 Sensor 1 PCM Ground HO2S High Signal - Bank 1 Sensor 1 OIL Level Switch Signal Not Used Transmission Range Switch Signal B (A/T) CMP Sensor Signal ECT Sensor Signal ECT Sensor Signal ECT Sensor Signal ECT Sensor Signal