

Pin	Wire Color	Circuit No.	Function
1	BLK/WHT	451	PCM Ground
2	LT GRN	1867	Crankshaft Position Sensor B+ Supply
3	PNK/BLK	1746	Injector 3 Control
4	LT GRN/BLK	1745	Injector 2 Control
5	--	--	Not Used
6	--	--	Not Used
7	--	--	Not Used
8	--	--	Not Used
9	--	--	Not Used
10	--	--	Not Used
11	LT BLU	1876	Knock Sensor Signal Rear
12	DK BLU/WHT	1869	Crankshaft Position 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	--	--	Not Used
17	DK BLU	1225	Transmission Fluid Pressure Switch B
18	RED	1226	Transmission Fluid Pressure Switch C
19	PNK	439	PCM Ignition Supply
20	ORN	440	PCM Battery Supply
21	YEL/BLK	1868	Crankshaft Position Sensor Ground
22	--	--	Not Used
23	PPL	719	Sensor Ground EGR
24	--	--	Not Used
25	TAN	1671	HO2S Signal Low B2S2 (w/Case Ground O2 Sensors)
25	TAN	413	HO2S Signal Low B2S2 (w/Isolated Ground O2 Sensors)
26	TAN	1667	HO2S Signal Low B2S1 (w/Case Ground O2 Sensors)
26	TAN	413	HO2S Signal Low B2S1 (w/Isolated Ground O2 Sensors)
27	--	--	Not Used
28	TAN/WHT	1669	HO2S Signal Low B1S2 (w/Case Ground O2 Sensors)
28	TAN	413	HO2S Signal Low B1S2 (w/Isolated Ground O2 Sensors)
29	TAN/WHT	1653	HO2S Signal Low B1S1 (w/Case Ground O2 Sensors)
29	TAN	413	HO2S Signal Low B1S1 (w/Isolated Ground O2 Sensors)
30	LT GRN	1478	Engine Coolant Level Switch
31	--	--	Not Used
32	BLK/WHT	771	PRND A Input
33	PPL	420	TCC Brake Switch
34	WHT	776	PRND P Input - PCM can be programmed to accept a SINGLE WIRE park/neutral signal on this PIN, if no trans mounted range sensor is present
35	GRA	48	Clutch Switch Signal (manual trans)
36	BLK	1744	Injector 1 Control
37	YEL/BLK	846	Injector 6 Control
38	PNK/WHT	1101	Damping Lift/Drive Signal
39	--	--	Not Used
40	BLK/WHT	451	PCM Ground
41	BLK	407	Sensor Ground (Trans) w/Case grounded o2 Sensors
41	GRY	720	Sensor Ground (Trans, ETC) w/Isolated Ground O2 Sensors
42	--	--	Not Used - ADD PIN HERE FOR FAN 1 RELAY CONTROL
43	RED/BLK	877	Injector 7 Control
44	LT BLU/BLK	844	Injector 4 Control
45	GRA	474	Fuel Tank Pressure Sensor 5V Reference
46	GRA	416	TP Sensor 5V Reference
47	GRA	597	MAP Sensor 5V Reference
48	GRA	596	EGR Pintle Position Sensor 5V Reference
49-50	--	--	Not Used
51	DK BLU	496	Knock Sensor Signal Front
52	--	--	Not Used
53	BLK	470	Fuel Tank Pressure Sensor Ground
54	BLK	452	TP Sensor Ground
55	BRN	1456	EGR Pintle Position Sensor Signal
56	WHT	--	Fuel Temp/Composition Signal (L59 Flex Fuel)
57	ORN	440	PCM Battery Supply
58	DK GRN	1049	Serial Data to OBD2 Port
59	YEL	710	Serial Data to BCM
60	ORN/BLK	469	MAP Sensor Ground
61	PNK/BLK	632	CMP Sensor Ground
62	--	--	Not Used
63	GRY	720	Sensor Ground (ETC) w/case grounded o2 sensors
63	TAN	413	Sensor Ground (HO2S Low Signal) w/isolated grounded o2 sensors
64	--	--	Not Used
65	PPL	1670	HO2S Signal High Bank 2 Sensor 2
66	PPL	1666	HO2S Signal High Bank 2 Sensor 1
67	--	--	Not Used
68	PPL/WHT	1668	HO2S Signal High Bank 1 Sensor 2
69	PPL/WHT	1665	HO2S Signal High Bank 1 Sensor 1
70	BRN	1174	Low Oil Level Switch
71	--	--	Not Used - ADD PIN HERE FOR TOW/HAUL MODE SWITCH INPUT (programming required to make function)
72	YEL	772	PRND B Input
73	BRN/WHT	633	Camshaft Position (CMP) Sensor Signal
74	YEL	410	Engine Coolant Temperature (ECT) Sensor Signal
75	PNK	1020	PCM Ignition Supply
76	BLK/WHT	845	Injector 5 Control
77	DK BLU/WHT	878	Injector 8 Control
78	--	--	Not Used
79	WHT	687	3-2 Shift Solenoid Control
80	ORN/BLK	510	Fuel Level Sensor Ground