

## Truck 2003-07 4.8/5.3/6.0 Conn

Pin	Wire Color	Circuit No.
1	BLK/WHT	451
2	LT GRN	1867
3	PNK/BLK	1746
4	LT GRN/BLK	1745
5		
6	--	--
7	GRY	2705
8	GRY	--
9	--	--
10	--	--
11	LT BLU	1876
12	DK BLU/WHT	1869
13	ORN/BLK	463
14	ORN/BLK	1061
15	DK BLU/WHT	774
16	--	--
17	DK BLU	1225
18	RED	1226
19	PNK	439
20	ORN	440
21	YEL/BLK	1868
22	--	--
23	BLK	470
24	BLK/WHT	451
25	TAN	1671
26	TAN	1667
27	BLK/WHT	451
28	TAN/WHT	1669
29	TAN	1664
30	LT GRN	1478
31	--	--
32	BLK/WHT	771
33	PPL	420
34	WHT	776
35	GRY	48
36	BLK	1744
37	YEL/BLK	846
38	PNK/WHT	1101
39	YEL/BLK	625
40	BLK/WHT	451
41	--	--
42	--	--
43	RED/BLK	877
44	LT BLU/BLK	844
45	GRY	2700
46	GRY	474
47	--	--
48	GRY	597
49-5	--	--
51	DK BLU	496
52	--	--
53	GRY	720
54	ORN/BLK	469
55	--	--
56	WHT	1579
57	ORN	440
58	DK GRN	1049

59	YEL	710
60	BLK	--
61	PNK/BLK	632
62	--	--
63	BLK	2755
64	BLK/WHT	451
65	PPL	1670
66	PPL	1666
67	BLK/WHT	451
68	PPL/WHT	1668
69	PPL/WHT	1665
70	BRN	1174
71	--	--
72	YEL	772
73	BRN/WHT	633
74	YEL	410
75	PNK	1020
76	BLK/WHT	845
77	DK BLU/WHT	878
78	--	--
79	WHT	687
80	BLK	407

Truck 2004 4.8/5.3/6.0 Connect

Pin	Wire Color	Circuit No.
1	BLK/WHT	451
2	BRN	418
3	TAN	1465
4	--	--
5	TAN/BLK	464
6	RED/BLK	1228
7	--	--
8	LT BLU/WHT	1229
9	DK GRN/WHT	465
10	WHT	121
11	--	--
12	--	--
13	--	--
14	RED/BLK	380
15	BRN	25
16	GRY/BLK	1694
17	--	--
18	DK GRN	1433
19	BLK/WHT	1695
20	LT GRN/BLK	822
21	PPL/WHT	821
22	RED/BLK	1230
23	DK BLU/WHT	1231
24	DK BLU	--
25	TAN	472
26	PPL	2121
27	RED	2127
28	LT BLU/WHT	2126
29	DK GRN/WHT	2124
30	--	--
31	YEL	492
32	LT GRN	432

33	--	--
34	DK GRN/WHT	428
35	--	--
36	--	--
37	--	--
38	--	--
39	RED	631
40	BLK/WHT	451
41	--	--
42	TAN/BLK	422
43	DK GRN/WHT	459
44	--	--
45	WHT	1310
46	BRN/WHT	419
47	YEL/BLK	1223
48	LT GRN	1222
49	YEL/BLK	1827
50	DK GRN/WHT	817
51	YEL/BLK	1227
52	BRN	2391
53	RED/WHT	3223
54	PPL	1589
55	--	--
56		--
57	BLK	552
58	TAN/WHT	332
59	PPL	806
60	BRN	2129
61	BRN/WHT	2130
62	GRY	773
63	PNK	1224
64	DK GRN	890
65	--	--
66	PPL/WHT	2128
67	RED/WHT	2122
68	DK GRN	2125
69	LT BLU	2123
70	--	--
71	--	--
72	BLK/WHT	3113
73	DK BLU	1936
74	LT GRN	3212
75	GRY	23
76	--	--
77	--	--
78	--	--
79	--	--
80	BLK	2751

ector C1 BLUE

Function
Ground
12 Volt Reference
Fuel Injector 3 Control
Fuel Injector 2 Control
Not Used
5 Volt Reference (OIL PRESSURE)
5 Volt Reference (Throttle Position Sensor Pin A) Cable Throttle ONLY
Not Used
Not Used
Knock Sensor 2 Signal
CKP Sensor Signal
Requested Torque Signal (NW7)
UART Serial Data (drive by wire only)
UART Serial Data (drive by wire only)
Not Used
Transmission Fluid Pressure Switch Signal B (A/T)
Transmission Fluid Pressure Switch Signal C (A/T)
PCM Ignition Supply
PCM Battery Supply
Crankshaft Position Sensor Ground
Not Used
Low Reference
Ground
HO2S Low Signal - Bank 2 Sensor 2
HO2S Low Signal - Bank 2 Sensor 1
Ground
HO2S Low Signal - Bank 1 Sensor 2
HO2S Low Signal - Bank 1 Sensor 1
Coolant Level Switch Signal (empty 2006+)
Not Used
Transmission Range Switch Signal A (A/T)
TCC Brake Switch/Cruise Control Release Switch Signal
Transmission Range Switch Signal P (A/T) PCM
CPP Switch Signal (M/T)
Fuel Injector 1 Control
Fuel Injector 6 Control
Damping Lift/Dive Signal
Starter Enable Relay Control
Ground
Not Used
Not Used - ADD PIN HERE FOR FAN 1 RELAY CONTROL. 2005+ may already have fan relay pins installed
Fuel Injector 7 Control
Fuel Injector 4 Control
5 Volt Reference (A/C)
5 Volt Reference (EVA)
Not Used
5 Volt Reference (MAP)
Not Used
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



Not Used - ADD PIN FOR FAN 2 RELAY CONTROL

EVAP Canister Purge Solenoid Control

Not Used

Not Used

Not Used

Not Used

12 Volt Reference (CMP)

PCM Ground

Not Used

TCC Solenoid Valve Control (M30/M32)

A/C Compressor Clutch Relay Control (A/C)

Not Used

EVAP Canister Vent Solenoid Control (EVA)

Check Engine Light Control

2-3 Shift Solenoid Valve Control (A/T)

1-2 Shift Solenoid Valve Control (A/T)

Vehicle Speed Signal OUT 129k/mile

Vehicle Speed Signal OUT 4k/mile

TFT Sensor Signal (A/T)

HO2S Heater Low Control Bank 1 Sensor 2

HO2S Heater Low Control Bank 2 Sensor 2

Fuel Level Sensor Signal - Primary

Not Used

Not Used

Low Reference (IAT)

Oil Pressure Sensor Signal

Crank Voltage

Ignition Control Reference Low Bank 1

Ignition Control Reference Low Bank 2

Transmission Range Switch Signal C (A/T)

Transmission Fluid Pressure Switch Signal A (A/T)

Fuel Tank Pressure Sensor Signal (EVA)

Not Used

IC 8 Control

IC 2 Control

IC 5 Control

IC 3 Control

Not Used

Not Used

HO2S Heater Low Control Bank 1 Sensor 1

Fuel Level Sensor Signal - Secondary

HO2S Heater Low Control Bank 2 Sensor 1

Generator Field Duty Cycle Signal

Not Used

Not Used

Not Used

Not Used

Low Reference (A/C)