

Truck 1999-02 p411/p01 v8 Co

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	--	--
8	--	--
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	PPL	719
24	--	--
25	TAN	1671
25	TAN	413
26	TAN	1667
26	TAN	413
27	--	--
28	TAN/WHT	1669
28	TAN	413
29	TAN/WHT	1653
29	TAN	413
30	LT GRN	1478
31	--	--
32	BLK/WHT	771
33	PPL	420
34	WHT	776
35	GRA	48
36	BLK	1744
37	YEL/BLK	846
38	PNK/WHT	1101
39	--	--
40	BLK/WHT	451
41	BLK	407
41	GRY	720
42	--	--
43	RED/BLK	877
44	LT BLU/BLK	844
45	GRA	474
46	GRA	416
47	GRA	597
48	GRA	596
49-5	--	--
51	DK BLU	496
52	--	--
53	BLK	470
54	BLK	452

55	BRN	1456
56	WHT	--
57	ORN	440
58	DK GRN	1049
59	YEL	710
60	ORN/BLK	469
61	PNK/BLK	632
62	--	--
63	GRY	720
63	TAN	413
64	--	--
65	PPL	1670
66	PPL	1666
67	--	--
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	ORN/BLK	510

Connector C2 RED		
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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	RED	1676
8	LT BLU/WHT	1229
9	DK GRN/WHT	465
10	WHT	121
11	DK BLU	604
12	--	--
13	LT BLU/BLK	396
14	--	--
15	BRN	25
16	GRA/BLK	1694
17	DK GRN/WHT	762
18	--	--
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	417
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	DK GRN	1614
34	DK GRN/WHT	428
35	--	--
36	BRN	436
37	--	--
38	--	--
39	RED	631
40	BLK/WHT	451
41	WHT	257
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	GRY	23
53	--	--
54	PPL	1589
55	DK GRN	603
56	--	--
57	BLK	552
58	--	--
59	--	--
60	BRN	2129
61	BRN/WHT	2130
62	GRA	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	--	--
73	DK BLU	1936
74	LT GRN/WHT	3213
75	--	--
76	LT GRN/WHT	1749
77	LT GRN/BLK	444
78	LT BLU/BLK	1748
79	LT BLU/WHT	1747
80	LT GRN	3212

Connector C1 BLUE

Function
PCM Ground
Crankshaft Position Sensor B+ Supply
Injector 3 Control
Injector 2 Control
Not Used
Not Used
Not Used
Not Used
Not Used
Not Used
Knock Sensor Signal Rear
Crankshaft Position 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 B
Transmission Fluid Pressure Switch C
PCM Ignition Supply
PCM Battery Supply
Crankshaft Position Sensor Ground
Not Used
Sensor Ground EGR
Not Used
HO2S Signal Low B2S2 (w/Case Ground O2 Sensors)
HO2S Signal Low B2S2 (w/Isolated Ground O2 Sensors)
HO2S Signal Low B2S1 (w/Case Ground O2 Sensors)
HO2S Signal Low B2S1 (w/Isolated Ground O2 Sensors)
Not Used
HO2S Signal Low B1S2 (w/Case Ground O2 Sensors)
HO2S Signal Low B1S2 (w/Isolated Ground O2 Sensors)
HO2S Signal Low B1S1 (w/Case Ground O2 Sensors)
HO2S Signal Low B1S1 (w/Isolated Ground O2 Sensors)
Engine Coolant Level Switch
Not Used
PRND A Input
TCC Brake Switch
PRND P Input - PCM
Clutch Switch Signal (manual trans)
Injector 1 Control
Injector 6 Control
Damping Lift/Drive Signal
Not Used
PCM Ground
Sensor Ground (Trans) w/Case grounded o2 Sensors
Sensor Ground (Trans, ETC) w/Isolated Ground O2 Sensors
Not Used - ADD PIN HERE FOR FAN 1 RELAY CONTROL
Injector 7 Control
Injector 4 Control
Fuel Tank Pressure Sensor 5V Reference
TP Sensor 5V Reference
MAP Sensor 5V Reference
EGR Pintle Position Sensor 5V Reference
Not Used
Knock Sensor Signal Front
Not Used
Fuel Tank Pressure Sensor Ground
TP Sensor Ground

EGR Pintle Position Sensor Signal
Fuel Temp/Composition Signal (L59 Flex Fuel)
PCM Battery Supply
Serial Data to OBD2 Port
Serial Data to BCM
MAP Sensor Ground
CMP Sensor Ground
Not Used
Sensor Ground (ETC) w/case grounded o2 sensors
Sensor Ground (HO2S Low Signal) w/isolated grounded o2 sensors
Not Used
HO2S Signal High Bank 2 Sensor 2
HO2S Signal High Bank 2 Sensor 1
Not Used
HO2S Signal High Bank 1 Sensor 2
HO2S Signal High Bank 1 Sensor 1
Low Oil Level Switch
Not Used - ADD PIN HERE FOR TOW/HAUL MODE SWITCH INPUT
PRND B Input
Camshaft Position (CMP) Sensor Signal
Engine Coolant Temperature (ECT) Sensor Signal
PCM Ignition Supply
Injector 5 Control
Injector 8 Control
Not Used
3-2 Shift Solenoid Control
Fuel Level Sensor Ground
Function
PCM Ground
TCC Control Solenoid
Fuel Pump Relay Control - Secondary
Not Used
Deliverd Torque Signal
Transmission Fluid Pressure Control Solenoid High
EGR Solenoid Supply
Transmission Fluid Pressure Control Solenoid Low
Fuel Pump Relay Control
Engine Speed (Tach) Output Signal
A/C High Pressure Recirculation Switch
Not Used
Cruise Control Engage Signal
Not Used
Generator L Terminal (Alternator turn on signal)
4 Wheel Drive Switch Signal Low (KEEP IF USING STOCK TRANSFER CASE IN A 4WD APPLACTION, WITH VSS ON OUTPUT OF TR
A/C Request Signal
Not Used
4 Wheel Drive Front Axle Switch
Vehicle Speed Sensor (VSS) Reference Low
Vehicle Speed Sensor (VSS) Signal
Vehicle Speed Sensor (VSS) Signal (4L80E Only)
Vehicle Speed Sensor (VSS) Reference Low (4L80E Only)
TP Sensor Signal
IAT Sensor Signal
Ignition Control 1
Ignition Control 7
Ignition Control 6
Ignition Control 4
Not Used

MAF Sensor Signal
MAP Sensor Signal
HVAC Recirculation Door Control (KEEP PIN HERE FOR FAN 2 RELAY CONTROL)
EVAP Canister Purge Solenoid Control
Not Used
Not Used
Not Used
Not Used - ADD PIN FOR PWM FUEL GAUGE SIGNAL OUTPUT (used to run factory fuel level gauge in 96-99 trucks)
CMP Sensor B+ Supply
PCM Ground
EGR Solenoid Ground
TCC Enable Circuit (4L60-E only)
A/C Clutch Relay Control
Not Used
EVAP Canister Vent Valve Control
Malfunction Indicator Lamp (MIL) Control
Transmission Shift Solenoid B
Transmission Shift Solenoid A
Vehicle Speed Output Circuit 128K
Vehicle Speed Output Circuit 4K
Transmission Temperature Sensor Signal
Generator Field Duty Cycle Signal
Not Used
Fuel Level Sensor Signal
A/C Low Pressure Switch Signal
Not Used
IAT Sensor Ground
Not Used
Not Used
Ignition Control Reference Low Bank 1
Ignition Control Reference Low Bank 2
PRND C
Transmission Fluid Pressure Switch A
Fuel Tank Pressure Sensor Signal
Not Used
Ignition Control 8
Ignition Control 2
Ignition Control 5
Ignition Control 3
Not Used
Not Used -
Not Used
Fuel Level Sensor Signal - Secondary
HO2S Heater Control (w/isolated grounded sensors) (2001-02 6.0L Only)
Not Used
IAC Coil B High
IAC Coil B Low
IAC Coil A Low
IAC Coil A High
HO2S Heater Low Reference (w/isolated grounded sensors) (2001-02 6.0L Only)