

Pin	Wire Color	Circuit No.	Function
1	BLK/WHT	451	PCM Ground
2	BRN	418	TCC Control Solenoid
3	TAN	1465	Fuel Pump Relay Control - Secondary
4	--	--	Not Used
5	TAN/BLK	464	Deliverd Torque Signal
6	RED/BLK	1228	Transmission Fluid Pressure Control Solenoid High
7	RED	1676	EGR Solenoid Supply
8	LT BLU/WHT	1229	Transmission Fluid Pressure Control Solenoid Low
9	DK GRN/WHT	465	Fuel Pump Relay Control
10	WHT	121	Engine Speed (Tach) Output Signal
11	DK BLU	604	A/C High Pressure Recirculation Switch
12	--	--	Not Used
13	LT BLU/BLK	396	Cruise Control Engage Signal
14	--	--	Not Used
15	BRN	25	Generator L Terminal (Alternator turn on signal)
16	GRA/BLK	1694	4 Wheel Drive Switch Signal Low (KEEP IF USING STOCK TRANSFER CASE IN A 4WD APPLACTION, WITH VSS ON OUTPUT OF TRANSFER CASE.
17	DK GRN/WHT	762	A/C Request Signal
18	--	--	Not Used
19	BLK/WHT	1695	4 Wheel Drive Front Axle Switch
20	LT GRN/BLK	822	Vehicle Speed Sensor (VSS) Reference Low
21	PPL/WHT	821	Vehicle Speed Sensor (VSS) Signal
22	RED/BLK	1230	Vehicle Speed Sensor (VSS) Signal (4L80E Only)
23	DK BLU/WHT	1231	Vehicle Speed Sensor (VSS) Reference Low (4L80E Only)
24	DK BLU	417	TP Sensor Signal
25	TAN	472	IAT Sensor Signal
26	PPL	2121	Ignition Control 1
27	RED	2127	Ignition Control 7
28	LT BLU/WHT	2126	Ignition Control 6
29	DK GRN/WHT	2124	Ignition Control 4
30	--	--	Not Used
31	YEL	492	MAF Sensor Signal
32	LT GRN	432	MAP Sensor Signal
33	DK GRN	1614	HVAC Recirculation Door Control (KEEP PIN HERE FOR FAN 2 RELAY CONTROL)
34	DK GRN/WHT	428	EVAP Canister Purge Solenoid Control
35	--	--	Not Used
36	BRN	436	AIR Pump Relay Control (w/NC1)
37	--	--	Not Used
38	--	--	Not Used - ADD PIN FOR PWM FUEL GAUGE SIGNAL OUTPUT (used to run factory fuel level gauge in 96-99 trucks)
39	RED	631	CMP Sensor B+ Supply
40	BLK/WHT	451	PCM Ground
41	WHT	257	EGR Solenoid Ground
42	TAN/BLK	422	TCC Enable Circuit (4L60-E only)
43	DK GRN/WHT	459	A/C Clutch Relay Control
44	--	--	Not Used
45	WHT	1310	EVAP Canister Vent Valve Control
46	BRN/WHT	419	Malfunction Indicator Lamp (MIL) Control
47	YEL/BLK	1223	Transmission Shift Solenoid B
48	LT GRN	1222	Transmission Shift Solenoid A
49	YEL/BLK	1827	Vehicle Speed Output Circuit 128K
50	DK GRN/WHT	817	Vehicle Speed Output Circuit 4K
51	YEL/BLK	1227	Transmission Temperature Sensor Signal
52	GRY	23	Generator Field Duty Cycle Signal
53	--	--	Not Used
54	PPL	1589	Fuel Level Sensor Signal
55	DK GRN	603	A/C Low Pressure Switch Signal
56	--	--	Not Used
57	BLK	552	IAT Sensor Ground
58	--	--	Not Used
59	--	--	Not Used
60	BRN	2129	Ignition Control Reference Low Bank 1
61	BRN/WHT	2130	Ignition Control Reference Low Bank 2
62	GRA	773	PRND C
63	PNK	1224	Transmission Fluid Pressure Switch A
64	DK GRN	890	Fuel Tank Pressure Sensor Signal
65	--	--	Not Used
66	PPL/WHT	2128	Ignition Control 8
67	RED/WHT	2122	Ignition Control 2
68	DK GRN	2125	Ignition Control 5
69	LT BLU	2123	Ignition Control 3
70	--	--	Not Used
71	--	--	Not Used -
72	--	--	Not Used
73	DK BLU	1936	Fuel Level Sensor Signal - Secondary
74	LT GRN/WHT	3213	HO2S Heater Control (w/isolated grounded sensors) (2001-02 6.0L Only)
75	--	--	Not Used
76	LT GRN/WHT	1749	IAC Coil B High
77	LT GRN/BLK	444	IAC Coil B Low
78	LT BLU/BLK	1748	IAC Coil A Low
79	LT BLU/WHT	1747	IAC Coil A High
80	LT GRN	3212	HO2S Heater Low Reference (w/isolated grounded sensors (2001-02 6.0L Only)