

Truck 2004 4.8/5.3/6.0 Connector C1 BLUE

Pin	Wire Color	Circuit No.	Function
1	BLK/WHT	451	Ground
2	LT GRN	1867	12 Volt Reference
3	PNK/BLK	1746	Fuel Injector 3 Control
4	LT GRN/BLK	1745	Fuel Injector 2 Control
5			
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	--	--	Not Used
17	DK BLU	1225	Transmission Fluid Pressure Switch Signal B (A/T)
18	RED	1226	Transmission Fluid Pressure Switch Signal C (A/T)
19	PNK	439	PCM Ignition Supply
20	QRN	440	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
32	BLK/WHT	771	Transmission Range Switch Signal A (A/T)
33	PPL	420	TCC Brake Switch/Cruise Control Release Switch Signal
34	WHT	776	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)
46	GRY	474	5 Volt Reference (EVA)
47	--	--	Not Used
48	GRY	597	5 Volt Reference (MAP)
49-50	--	--	Not Used
51	DK BLU	496	Knock Sensor 1 Signal
52	--	--	Not Used
53	GRY	720	Low Reference (TRANS)
54	ORN/BLK	469	Low Reference (MAP)
55	--	--	Not Used
56	WHT	1579	Fuel Temperature/Composition Signal (L59) Flex Fuel Sensor (PCM SHOULD BE PROGRAMMED TO REMOVE FLEX FUEL FUNCTION)
57	QRN	440	PCM Battery Supply
58	DK GRN	1049	Class 2 Serial Data
59	YEL	710	Class 2 Serial Data
60	BLK	--	Low Reference (Throttle Position Sensor Pin B) Cable Throttle ONLY
61	PNK/BLK	632	Low Reference (CMP)
62	--	--	Not Used
63	BLK	2755	Low Reference (OIL PRESSURE SENSOR)
64	BLK/WHT	451	PCM Ground
65	PPL	1670	HO2S High Signal - Bank 2 Sensor 2
66	PPL	1666	HO2S High Signal - Bank 2 Sensor 1
67	BLK/WHT	451	PCM Ground
68	PPL/WHT	1668	HO2S High Signal - Bank 1 Sensor 2
69	PPL/WHT	1665	HO2S High Signal - Bank 1 Sensor 1
70	BRN	1174	Oil Level Switch Signal
71	--	--	Not Used
72	YEL	772	Transmission Range Switch Signal B (A/T)
73	BRN/WHT	633	CMP Sensor Signal
74	YEL	410	ECT Sensor Signal
75	PNK	1020	PCM Ignition Supply
76	BLK/WHT	845	Fuel Injector 5 Control
77	DK BLU/WHT	878	Fuel Injector 8 Control
78	--	--	Not Used
79	WHT	687	3-2 Shift Solenoid Valve Control (M30/M32)
80	BLK	407	Low Reference (ECT)