

## Engine Control Module X2

Pin	Wire Color	Circuit No.	Function
1	—	—	Not Used
2	0.35 PU/WH	6270	5-Volt Reference 2
3	0.35 GY	2701	5-Volt Reference 2
4	—	—	Not Used
5	0.5 BN	582	TAC Motor Control – 2
6	0.5 YE	581	TAC Motor Control – 1
7	—	—	Not Used
8	0.5 D-GN/WH	428	EVAP Canister Purge Solenoid Control
9	0.5 GY	5493	Cylinder 6 Shutoff Solenoid Control 3 (-4.8L)
10	0.5 D-BU	5491	Cylinder Shutoff Solenoid Control (1) (-4.8L)
11	0.5 OG	5494	Cylinder 4 Shutoff Solenoid Control 2 (-4.8L)
12	0.5 GY/WH	3113	HO2S Heater Low Control – Bank 1 Sensor 1
13	0.5 L-GN	3212	HO2S Heater Low Control – Bank 2 Sensor 1
14	0.5 L-GN/BK	5492	Cylinder 7 Shutoff Solenoid Control 4 (-4.8L)
15	—	—	Not Used
16	0.35 PU	5284	Camshaft Actuator Solenoid Control (6.0L/6.2L)
17	0.5 D-BU/WH	878	Fuel Injector 8 Control
18	0.5 TN/WH	845	Fuel Injector 5 Control
19	0.5 YE/BK	846	Fuel Injector 6 Control
20	0.5 TN	1744	Fuel Injector 1 Control
21	0.5 YE	410	ECT Sensor Signal
22	0.5 TN	2761	Low Reference
23–25	—	—	Not Used
26	0.8 D-BU	496	KS 1 Signal
27	0.8 GY	1716	KS 1 Signal
28	—	—	Not Used
29	0.8 L-BU	1876	KS 2 Signal
30	0.8 GY	2303	KS 2 Signal
31	—	—	Not Used
32	0.5 GY	23	Generator Field Duty Cycle Signal
33	0.5 BN	1174	Oil Level Switch Signal
34	0.35 BK	2755	Low Reference
35	0.35 TN	2752	Low Reference
36	—	—	Not Used
37	0.5 L-GN/BK	1745	Fuel Injector 2 Control

38	0.5 PK/BK	1746	Fuel Injector 3 Control
39	0.5 L-BU/BK	844	Fuel Injector 4 Control
40	0.5 OG/BK	877	Fuel Injector 7 Control
41	0.35 GY	2705	5-Volt Reference 1
42	—	—	Not Used
43	0.35 GY	2704	5-Volt Reference 1
44	0.35 D-BU	6259	5-Volt Reference 1
45–49	—	—	Not Used
50	0.35 TN/WH	331	Oil Pressure Sensor Signal
51	—	—	Not Used
52	0.35 TN	2199	Low Reference (6.0L/6.2L)
53	0.35 OG/BK	469	Low Reference
54–55	—	—	Not Used
56	0.5 TN	1664	HO2S Low Signal – Bank 1 Sensor 1
57	0.5 PU/WH	1665	HO2S High Signal – Bank 1 Sensor 1
58	0.35 L-GN	432	MAP Sensor Signal
59	0.5 PU	1666	HO2S High Signal – Bank 2 Sensor 1
60	0.5 TN	1667	HO2S Low Signal – Bank 2 Sensor 1
61	0.5 BN	25	Charge Indicator Signal
62	—	—	Not Used
63	0.35 PU	486	TP Sensor 2 Signal
64	0.35 D-BU/WH	6265	CMP Sensor Signal
65	0.35 D-GN	485	TP Sensor 1 Signal
66	0.35 BN	6266	Low Reference
67	—	—	Not Used
68	0.35 WH/BK	6271	CKP Sensor Signal
69	0.35 GY/BK	6272	Low Reference
70	0.5 PU	2121	IC 1 Control
71	0.5 PU/WH	2128	IC 8 Control
72	0.5 OG	2127	IC 7 Control
73	0.5 OG/WH	2122	IC 2 Control
74	0.5 L-BU/WH	2126	IC 6 Control
75	0.5 D-GN	2125	IC 5 Control
76	0.5 D-GN/WH	2124	IC 4 Control
77	0.5 L-BU	2123	IC 3 Control
78	0.5 BN	2129	Low Reference
79	0.5 BN/WH	2130	Low Reference
80	—	—	Not Used

