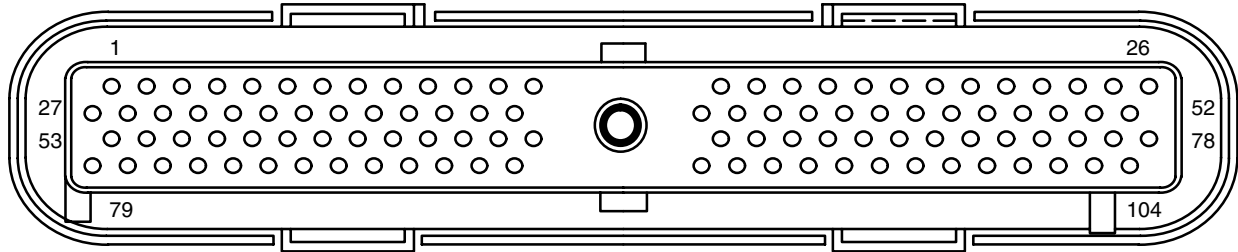


C175 (GY)**12B637**

A147
Powertrain Control
Module (PCM)



F104001

Pin	Circuit	Circuit Function
1	315 (VT/OG)	Shift solenoid B
2	658 (PK/LG)	Malfunction Indicator Lamp (MIL), control
3	1144 (YE/BK)	Digital Transmission Range (DTR) sensor, TR1
4	–	not used
5	–	not used
6	136 (DB/YE)	Powertrain Control Module (PCM) - Output shaft speed sensor (OSS), Early production
	970 (DG/WH)	Turbine shaft speed (TSS) sensor, Late production
7	–	not used
8	–	not used
9	–	not used
10	–	not used
11	–	not used
12	29 (YE/WH)	Fuel pump/fuel gauge sender
13	107 (VT)	Module programming signal
14	784 (LB/BK)	Four-wheel drive, indicator, Low
15	915 (PK/LB)	SCP Bus -
16	914 (TN/OG)	SCP Bus +
17	1216 (GY/OG)	RX, signal
18	1215 (WH/LG)	TX, signal
19	–	not used
20	–	not used
21	349 (DB)	Crankshaft position sensor +
22	350 (GY)	Crankshaft position sensor -
23	–	not used

Pin	Circuit	Circuit Function
24	570 (BK/WH)	Ground
25	57 (BK)	Ground
26	95 (TN/WH)	Ignition coil
27	237 (OG/YE)	Shift solenoid A
28	924 (BN/OG)	Shift solenoid D
29	224 (TN/WH)	PCM, to transmission overdrive cancel switch
30	343 (DB/LG)	Anti-theft, indicator, input
31	–	not used
32	311 (DG/VT)	Knock sensor
33	–	not used
34	–	not used
35	392 (RD/LG)	Heated Oxygen Sensor (HO2S) #12, input
36	968 (TN/LB)	Mass Air Flow (MAF) sensor, signal, return
37	923 (OG/BK)	Transmission Fluid Temperature (TFT) sensor, input
38	354 (LG/RD)	Engine Coolant Temperature (ECT) sensor, input
39	743 (GY)	Intake Air Temperature (IAT) sensor, input
40	238 (DG/YE)	Fuel pump relay, switched power, output
41	348 (VT)	A/C demand signal
42	–	not used
43	305 (LB/PK)	Message center switch, input
44	325 (DB/OG)	Starter relay, control
45	357 (YE/WH)	Powertrain Control Module (PCM) to, Generic Electronic Module (GEM)
46	1017 (BK/WH)	Check cap indicator lamp

Pin	Circuit	Circuit Function
47	360 (BN/PK)	EGR Vacuum Regulator (EVR), control
48	11 (TN/YE)	Tachometer
49	1145 (LB/BK)	Digital Transmission Range (DTR) sensor, TR2
50	1143 (WH/BK)	Digital Transmission Range (DTR) sensor, TR4
51	570 (BK/WH)	Ground
52	96 (TN/OG)	Ignition coil
53	971 (PK/BK)	Shift solenoid C
54	480 (VT/YE)	Torque Converter Clutch (TCC) solenoid
55	37 (YE)	Voltage supplied at all times (overload protected)
	785 (BK/LG)	Voltage supplied at all times (overload protected)
56	191 (LG/BK)	Powertrain Control Module (PCM), EVAP canister purge valve
57	310 (YE/RD)	Knock sensor
58	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
59	134 (GY/OG)	Powertrain Control Module (PCM) – Intermediate Shaft Speed (ISS) sensor
60	74 (GY/LB)	Heated Oxygen Sensor (HO2S) #11, input
61	393 (VT/LG)	Heated Oxygen Sensor (HO2S) #22, input
62	791 (RD/PK)	Fuel tank pressure transducer sensor
63	–	not used
64	199 (LB/YE)	Digital Transmission Range (DTR) sensor, TR3A
65	352 (BN/LG)	Differential Pressure Feedback EGR (DPFE) sensor, input
66	–	not used
67	91 (VT/WH)	Canister vent
68	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
69	331 (PK/YE)	A/C clutch relay, control
70	–	not used
71	361 (RD)	Voltage supplied in Start and Run (overload protected)
72	–	not used
73	559 (TN/BK)	Fuel injector 5, control
74	557 (BN/YE)	Fuel injector 3, control
75	555 (TN)	Fuel injector 1, control

Pin	Circuit	Circuit Function
76	570 (BK/WH)	Ground
77	570 (BK/WH)	Ground
78	97 (TN/LG)	Ignition coil
79	911 (WH/LG)	Transmission Control Indicator Lamp (TCIL)
80	926 (LB/OG)	Fuel pump relay, control
81	925 (WH/YE)	Electronic Pressure Control (EPC) solenoid
82	1017 (BK/WH)	Check cap indicator lamp
83	264 (WH/LB)	Idle air control valve (IAC), control
84	970 (DG/WH)	Turbine shaft speed (TSS) sensor, Early production
	136 (DB/YE)	Powertrain Control Module (PCM) – Output shaft speed sensor (OSS), Late production
85	282 (DB/OG)	Camshaft position sensor, input
86	347 (BK/YE)	A/C clutch relay, switched output
87	94 (RD/BK)	Heated Oxygen Sensor (HO2S) #21, input
88	967 (LB/RD)	Mass Air Flow (MAF) sensor, output
89	355 (GY/WH)	Throttle Position Sensor (TPS), input
90	351 (BN/WH)	Reference, voltage
91	359 (GY/RD)	signal, return
92	810 (RD/LG)	Brake pedal position switch, input
93	387 (RD/WH)	Heated Oxygen Sensor (HO2S) #11, heater
94	388 (YE/LB)	Heated Oxygen Sensor (HO2S) #21, heater
95	389 (WH/BK)	Heated Oxygen Sensor (HO2S) #12, heater
96	390 (TN/YE)	Heated Oxygen Sensor (HO2S) #22, heater
97	361 (RD)	Voltage supplied in Start and Run (overload protected)
98	–	not used
99	560 (LG/OG)	Fuel injector 6, control
100	558 (BN/LB)	Fuel injector 4, control
101	556 (WH)	Fuel injector 2, control
102	–	not used
103	570 (BK/WH)	Ground
104	–	not used