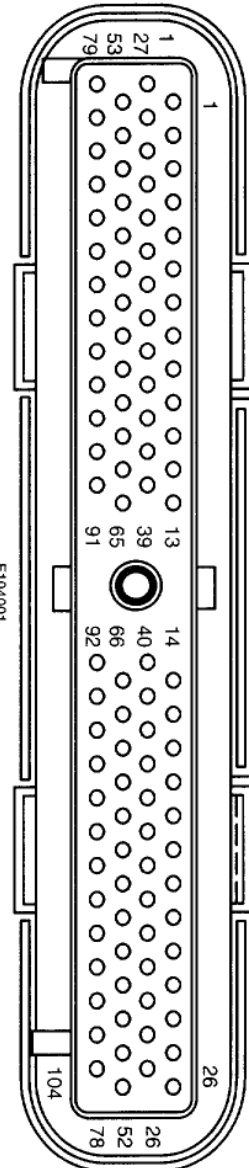


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Part 1

C175 Diesel engines**12A581**A147
Powertrain Control
Module (PCM)
(12A650)

F104001

* with automatic trans-
mission

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	3996 (RD/YE)	Manifold intake air heater relay, monitor
4	–	not used
5	162 (LG/RD)	Parking brake switch (15A851)
6	237 (OG/YE)*	Shift solenoid A
7	–	not used
8	1277 (WH/LG)	Glow plug relay, monitor
9	–	not used
10	1285 (RD/LG)	Idle validation switch
11	315 (VT/OG)*	Shift solenoid B
12	911 (WH/LG)*	Transmission Control Indicator Lamp (TCIL)
13	107 (VT)	Module programming signal
14	–	not used
15	915 (PK/LB)	SCP Bus –
16	914 (TN/OG)	SCP Bus +
17	1144 (YE/BK)	Digital Transmission Range (DTR) sensor, TR1
18	331 (PK/YE)	A/C clutch relay, control
19	76 (LG/WH)	Tachometer output
20	924 (BN/OG)*	Powertrain Control Module (PCM) (12A650), to transmis- sion coast clutch solenoid
21	795 (DG)	Camshaft position sensor (6B288)
22	–	not used
23	–	not used

Pin	Circuit	Circuit function
24	357 (YE/WH)	Accelerator pedal position sensor, Ground
25	567 (LB/YE)	Ground
26	–	not used
27	–	not used
28	–	not used
29	224 (TN/WH)	Powertrain Control Module (PCM) (12A650), to transmis- sion overdrive cancel switch – Automatic
	306 (TN/LB)	Clutch switch – Manual
30	553 (VT/LB)	Exhaust Back Pressure (EBP) sensor, monitor
31	307 (BK/YE)	Brake pressure switch (2B264), input
32	–	not used
33	–	not used
34	–	not used
35	1183 (WH/YE)	Generator
36	1280 (GY/RD)	Water-in-fuel sensor
37	923 (OG/BK)	Transmission Fluid Temperature (TFT) sensor, input – Automatic
	923 (OG/BK)	Engine Oil Temperature (EOT) sensor, signal – Manual
38	354 (LG/RD)	Engine Oil Temperature (EOT) sensor, signal
39	743 (GY)	Intake Air Temperature (IAT) sensor (12A697), input
40	787 (PK/BK)	Fuel pump, monitor
41	439 (TN/LG)	A/C high pressure switch (19D594)
42	318 (GY/RD)	Exhaust Pressure Regulator (EPR), control