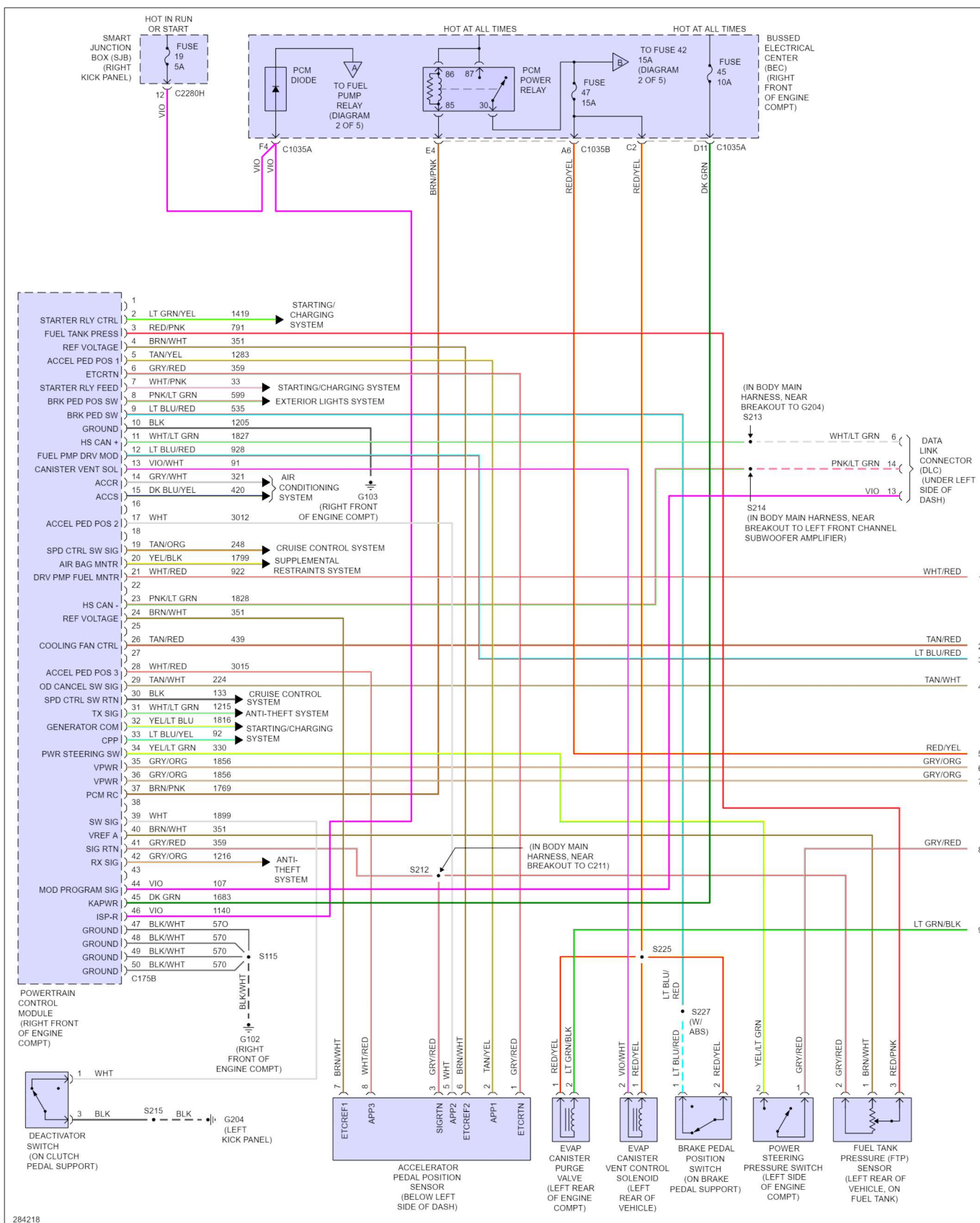
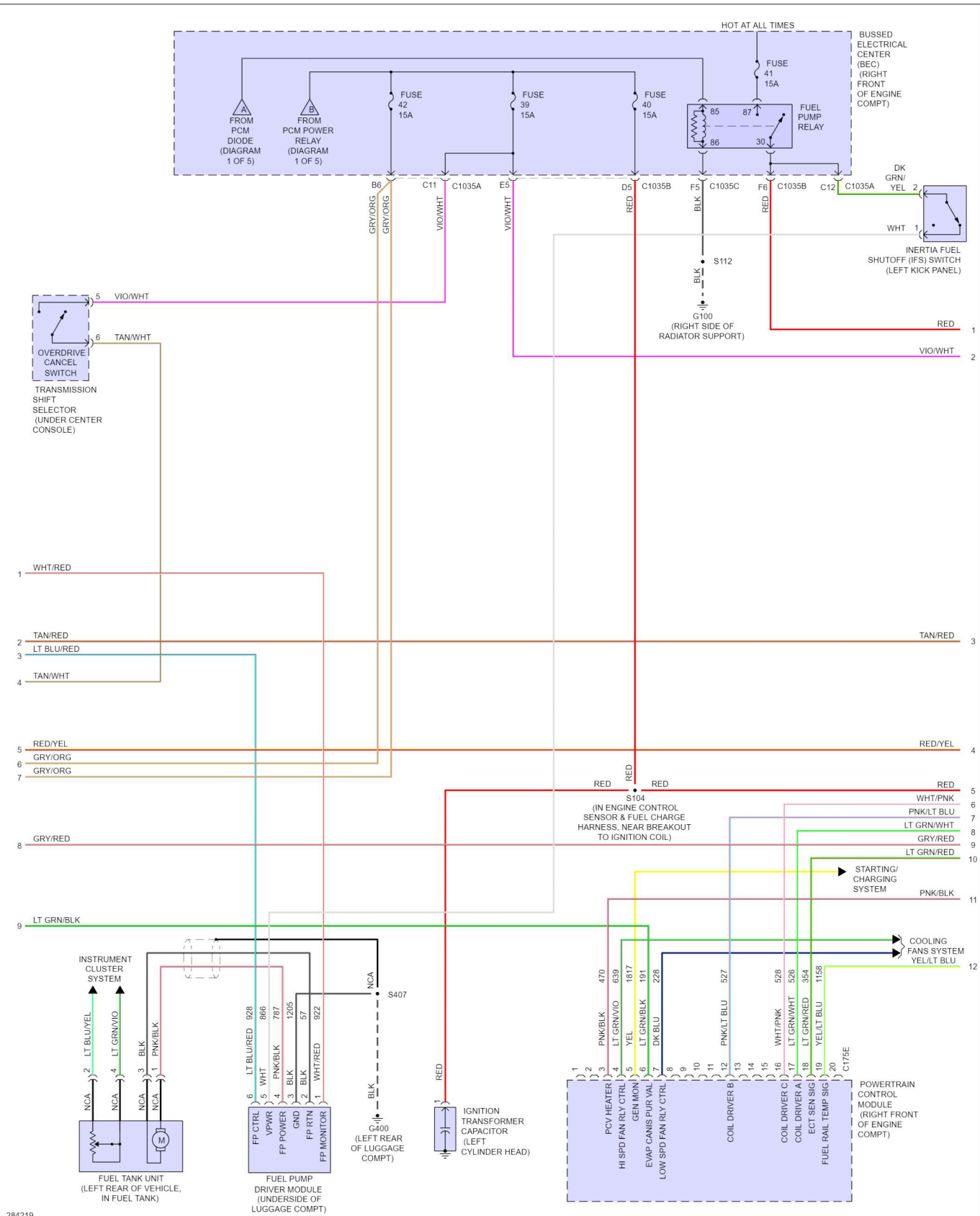
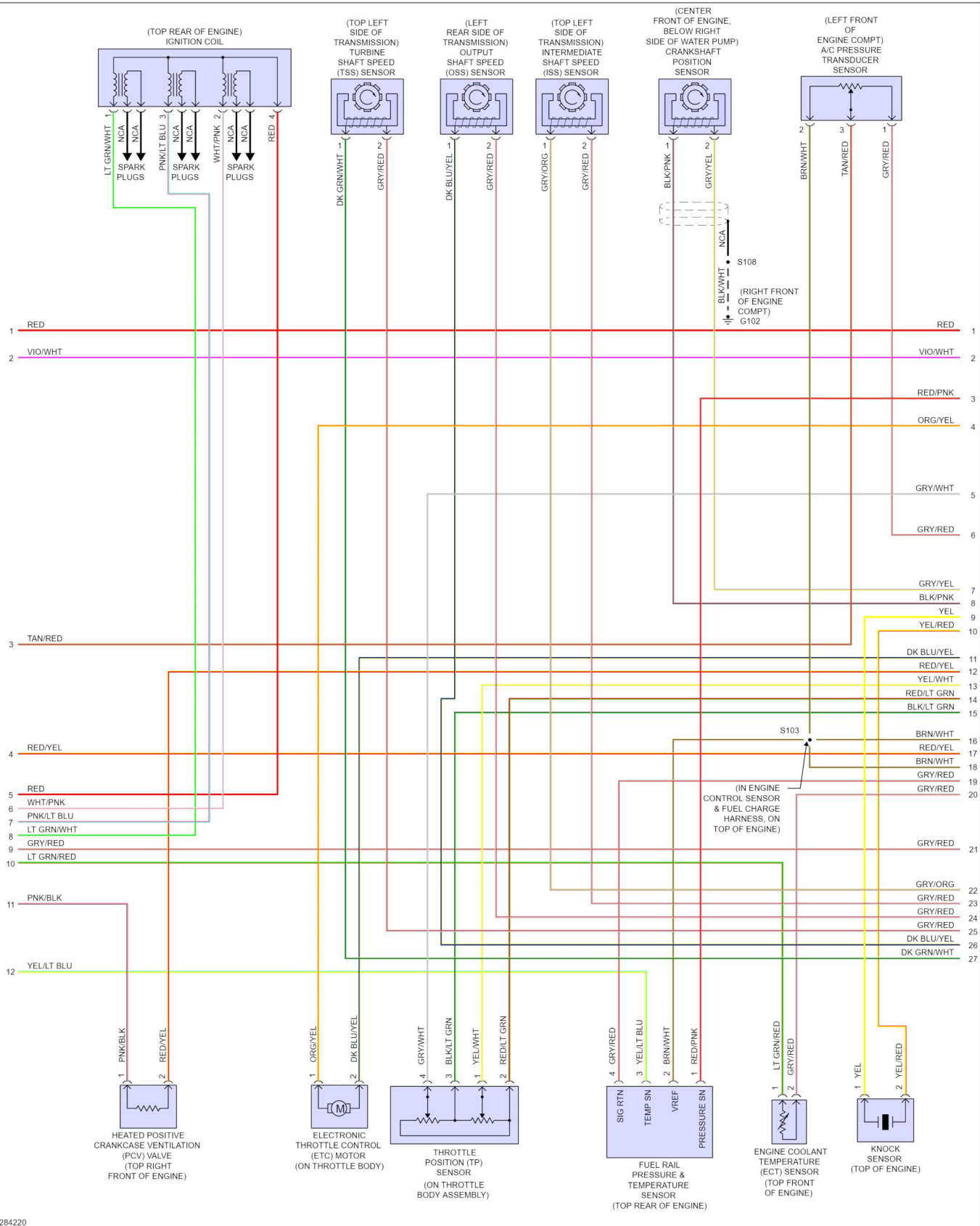
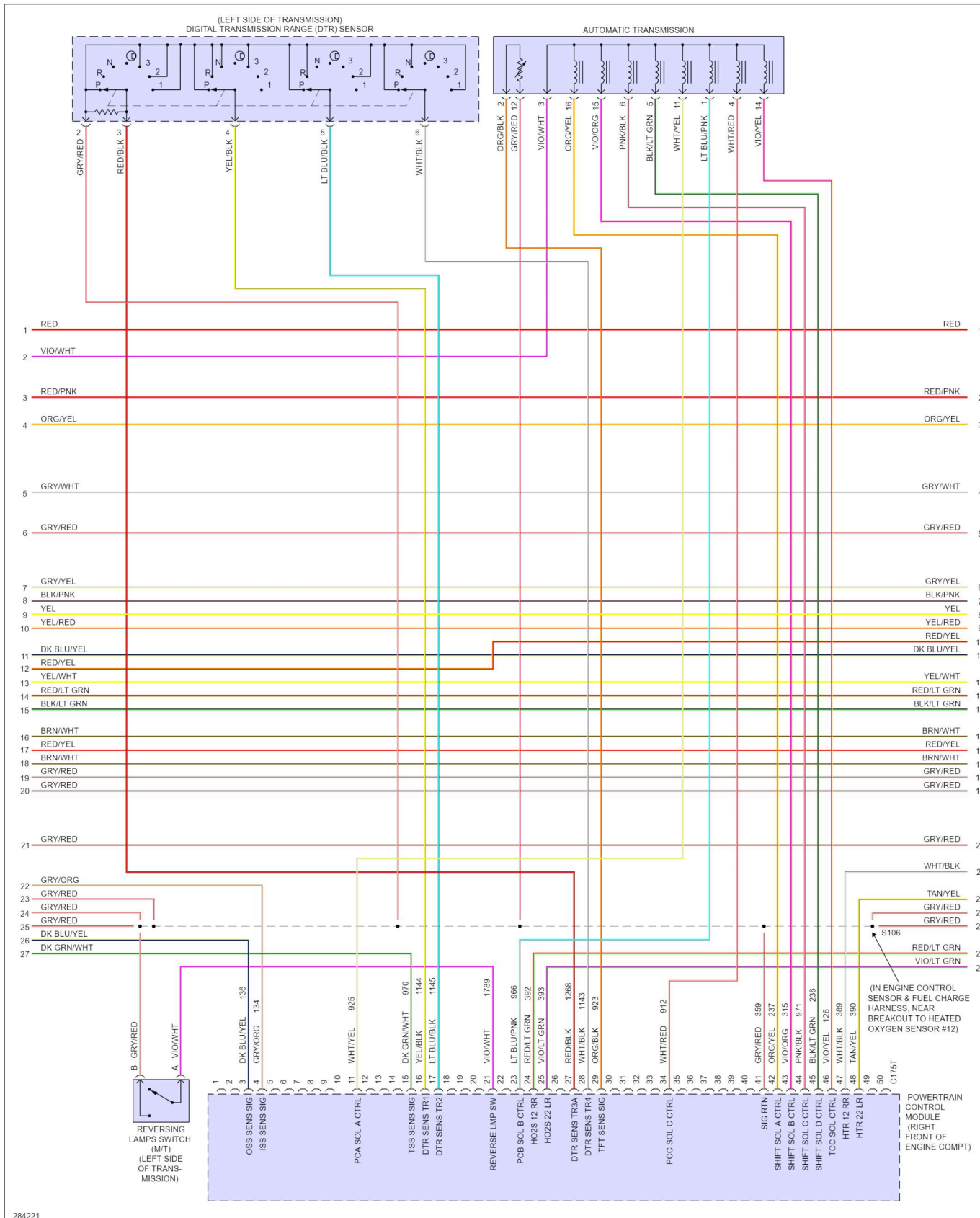










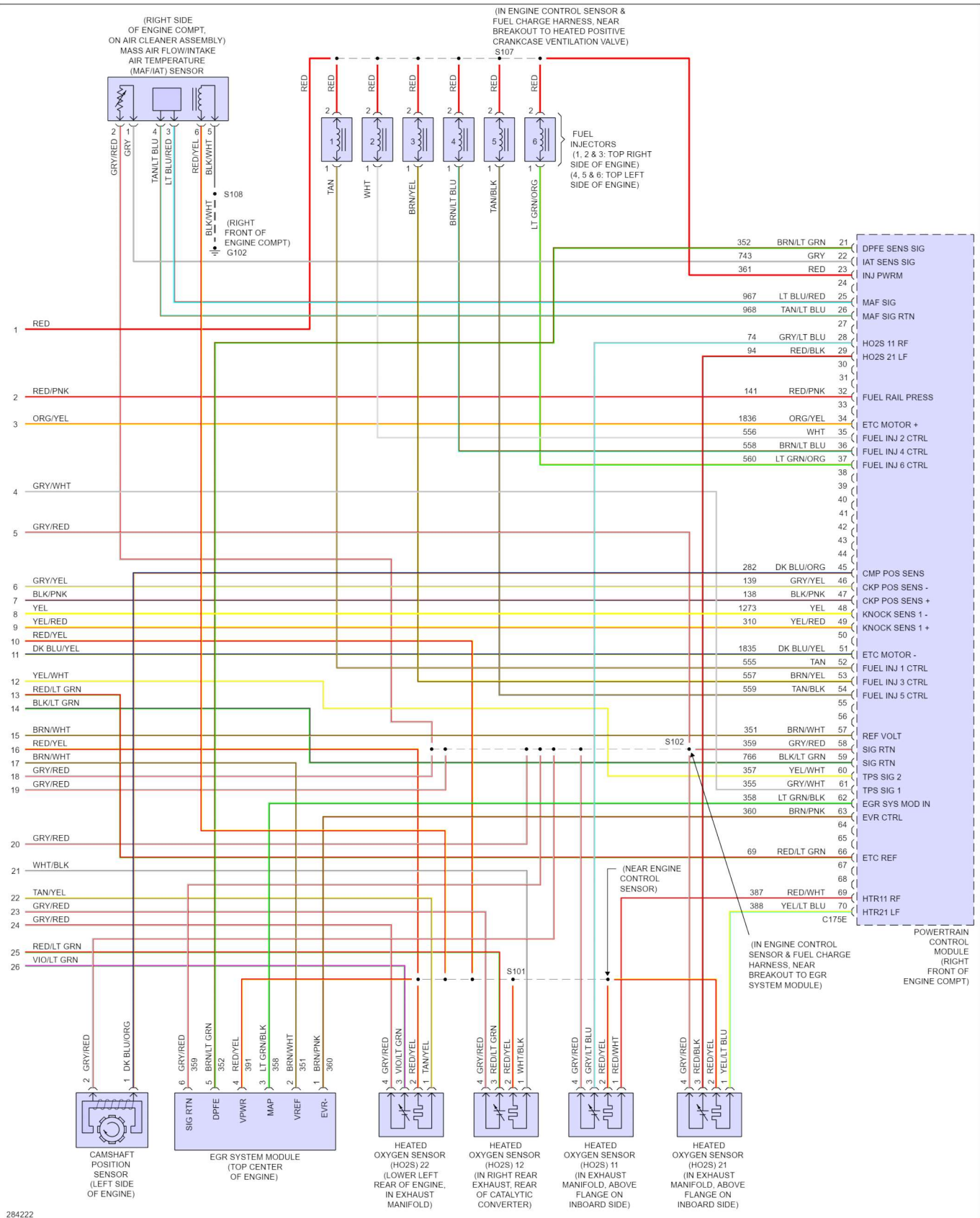
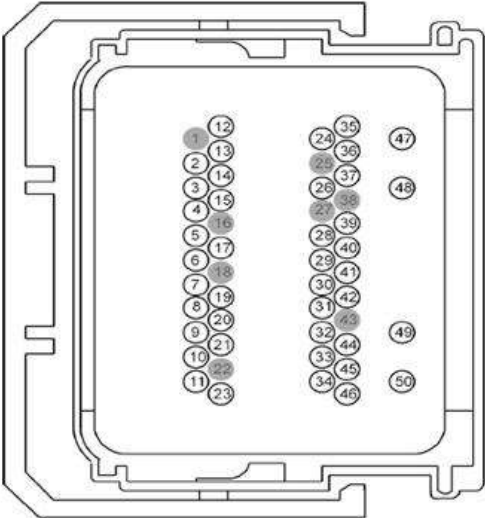


Fig. 49: Identifying Connector C175B - Powertrain Control Module (PCM)

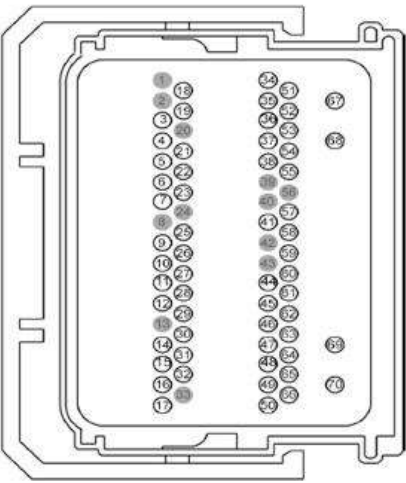
Description:		Harness:	Base Part #:	
Connector: C175B POWERTRAIN CONTROL MODULE (PCM)		14A005	12A650	



Pin	Circuit	Gauge	Circuit Function	Qualifier
1	*	*	not used	
2	1419 (LG-YE)	22	Starter relay, control	
3	791 (RD-PK)	22	Fuel Tank Pressure (FTP) sensor signal	
4	351 (BN-WH)	22	Reference voltage	
5	1283 (TN-YE)	22	Accelerator pedal position sensor, position, 1	
6	359 (GY-RD)	22	Signal return	
7	33 (WH-PK)	20	Switched power to starter relay	
8	599 (PK-LG)	22	Stop lamp switch signal	
9	535 (LB-RD)	20	Brake pedal position switch signal	
10	1205 (BK)	18	Ground	
11	1827 (WH-LG)	22	High speed CAN +	
12	928 (LB-RD)	22	Fuel pump driver module control	
13	91 (VT-WH)	20	EVAP canister vent control solenoid, control	
14	321 (GY-WH)	20	A/C clutch relay control	
15	420 (DB-WH)	20	A/C clutch cycling pressure switch to dual pressure	
16	*	*	not used	
17	3012 (WH)	22	Accelerator pedal position sensor, position, 2	
18	*	*	not used	
19	248 (TN-OG)	22	Speed control switch, signal	
20	1799 (YE-BK)	20	Air bag monitor	
21	922 (WH-RD)	22	Fuel pump driver module, monitor	
22	*	*	not used	
23	1829 (PK-LG)	22	High speed CAN -	
24	351 (BN-WH)	22	Reference voltage	
25	*	*	not used	
26	439 (TN-RD)	20	A/C pressure sensor, signal	
27	*	*	not used	
28	3015 (WH-RD)	22	Accelerator pedal position sensor, position, 3	
29	224 (TN-WH)	20	Transmission overdrive cancel switch signal	
30	139 (BK)	22	Speed control switch, Signal return	
31	1215 (WH-LG)	22	TX, signal	
32	1816 (YE-LB)	20	Generator communication	
33	92 (LB-YE)	20	Clutch pedal position switch signal	
34	330 (YE-LG)	20	Power steering pressure switch, signal	
35	1856 (GY-OG)	20	Voltage supplied in Start and Run (overload protected)	
36	1856 (GY-OG)	20	Voltage supplied in Start and Run (overload protected)	
37	1769 (BN-PK)	20	PCM relay control	
38	*	*	not used	
39	1899 (WH)	22	Clutch deactivation switch signal	
40	351 (BN-WH)	22	Reference voltage	
41	359 (GY-RD)	20	Signal return	
42	1216 (GY-OG)	22	RX signal	
43	*	*	not used	
44	107 (VT)	22	Module programming signal	
45	1683 (DG)	20	Voltage supplied at all times (overload protected)	
46	1140 (VT)	20	Voltage supplied in Start and Run (overload protected)	
47	570 (BK-WH)	20	Ground	
48	570 (BK-WH)	20	Ground	
49	570 (BK-WH)	20	Ground	
50	570 (BK-WH)	20	Ground	

Fig. 50: Identifying Connector C175E - Powertrain Control Module (PCM) - (1 Of 2)

Description:		Harness:	Base Part #:	
Connector: C175E POWERTRAIN CONTROL MODULE (PCM)		12B637	12A650	



Pin	Circuit	Gauge	Circuit Function	Qualifier
1	*	*	not used	
2	*	*	not used	
3	470 (PK-BK)	20	PCV heater signal	4.0L
4	639 (LG-VT)	20	High speed engine cooling fan relay, control	
5	1817 (YE)	20	Generator monitor circuit	
6	191 (LG-BK)	20	EVAP canister purge valve control	
7	228 (DB)	20	Low speed engine cooling fan relay, control	
8	*	*	not used	
9	1029 (WH-RD)	20	Coil driver (CD) - H control	
10	1021 (LG-YE)	20	Coil driver (CD) - F control	
11	1026 (PK-WH)	20	Coil driver (CD) - D control	
12	1028 (WH-PK)	20	Coil driver (CD) - B control	4.6L/5.4L
12	527 (PK-LB)	20	Coil driver (CD) - B control	4.0L
13	*	*	not used	
14	1099 (DG-VT)	20	Coil driver (CD) - G control	
15	1025 (OG-YE)	20	Coil driver (CD) - E control	
16	1027 (PK-LB)	20	Coil driver (CD) - G control	4.6L/5.4L
16	529 (LG-WH)	20	Coil driver (CD) - G control	4.0L
17	536 (LG-WH)	20	Coil driver (CD) - A control	4.0L
17	1024 (LG-WH)	20	Coil driver (CD) - A control	4.6L/5.4L
19	364 (LG-RD)	20	Engine Coolant Temperature (ECT) sensor signal	
19	1158 (YE-LB)	20	Fuel rail temperature signal	
20	*	*	not used	
21	352 (BN-LG)	20	Differential Pressure Feedback EGR (DPFE) sensor, signal	
22	743 (GY)	20	Intake air temperature sensor signal	
23	361 (RD)	20	Voltage supplied in Start and Run (overload protected)	
24	*	*	not used	
25	967 (LB-RD)	20	Mass Air Flow (MAF) sensor, signal	
26	968 (TN-LB)	20	Mass Air Flow (MAF) sensor Signal return	
27	1106 (LG-WH)	20	Air charge temperature sensor	5.4L
28	74 (GY-LB)	20	Heated Oxygen Sensor (HO2S) #11 signal	
29	94 (RD-BK)	20	Heated Oxygen Sensor (HO2S) #21 signal	
30	1274 (DG-WH)	20	Knock sensor signal 2 -	4.6L
31	311 (DG-VT)	20	Knock sensor signal 2+	4.6L
32	141 (RD-PK)	20	Fuel rail pressure sensor signal	
33	*	*	not used	
34	1836 (OG-YE)	20	Electronic Throttle Control (ETC) motor +/-	
35	556 (WH)	20	Fuel injector 2, control	

Fig. 51: Identifying Connector C175E - Powertrain Control Module (PCM) - (2 Of 2)

36	558 (BN-LB)	20	Fuel injector 4, control	
37	560 (LG-OG)	20	Fuel injector 6, control	
38	562 (LB)	20	Fuel injector 8, control	
39	*	*	not used	
40	*	*	not used	
41	1102 (YE-LG)	20	Cylinder head temperature sensor signal	
42	*	*	not used	
43	*	*	not used	
44	365 (OG)	20	Camshaft position sensor, signal	4.6L
45	282 (DB-OG)	20	Camshaft position sensor, signal	
46	139 (GY-YE)	20	Crankshaft position sensor -	
47	138 (BK-PK)	20	Crankshaft position sensor +	
48	1273 (YE)	20	Knock sensor signal 1-	4.0L, 4.6L
49	310 (YE-RD)	20	Knock sensor signal 1+	4.0L, 4.6L
50	1022 (DB-YE)	20	Charge air cooler pump relay, control	4.6L
51	1835 (DB-YE)	20	Electronic Throttle Control (ETC) motor +/-	
52	555 (TN)	20	Fuel injector 1, control	
53	557 (BN-YE)	20	Fuel injector 3, control	
54	559 (TN-BK)	20	Fuel injector 5, control	
55	561 (TN-RD)	20	Fuel injector 7, control	
56	*	*	not used	
57	351 (BN-WH)	20	Reference voltage	
58	359 (GY-RD)	20	Signal return	
59	766 (BK-LG)	20	Signal return	
60	357 (YE-WH)	20	Throttle Position (TP) sensor signal 2	
61	355 (GY-WH)	20	Throttle Position (TP) sensor signal 1	
62	358 (LG-BK)	20	EGR system module, input (MAP)	
63	360 (BN-PK)	20	EGR Vacuum Regulator (EVR), control	
64	1022 (DB-YE)	20	Charge air cooler pump relay, control	5.4L
65	535 (LB-RD)	20	Voltage supplied at all times (overload protected)	
66	69 (RD-LG)	20	Throttle Position (TP) sensor, Reference voltage	
67	641 (VT-LB)	20	Variable valve timing solenoid 1, control	4.6L
68	470 (PK-BK)	20	PCV heater signal	5.4L
69	642 (DG-OG)	20	Variable valve timing solenoid 2, control	4.6L
68	3410 (YE)	20	Reverse lockout control	5.4L
69	387 (RD-WH)	18	Heated Oxygen Sensor (HO2S) #11, heater	
70	388 (YE-LB)	18	Heated Oxygen Sensor (HO2S) #21, heater	

Fig. 52: Identifying Connector C175T - Powertrain Control Module (PCM)

Connector: C175T		Description:	Harness:	Base Part #:
		POWERTRAIN CONTROL MODULE (PCM)	12B637	12A650

Pin	Circuit	Gauge	Circuit Function	Qualifier
1	*	*	not used	
2	*	*	not used	
3	136 (DB-YE)	20	Output Shaft Speed (OSS) sensor, signal 1	
4	134 (GY-OG)	20	Intermediate Shaft Speed (ISS) sensor, signal	
5	*	*	not used	
6	*	*	not used	
7	*	*	not used	
8	*	*	not used	
9	*	*	not used	
10	*	*	not used	
11	925 (WH-YE)	20	Pressure Control (PCA) solenoid A control	
12	*	*	not used	
13	*	*	not used	
14	*	*	not used	
15	970 (DG-WH)	20	Turbine Shaft Speed (TSS) sensor signal	
16	1144 (YE-BK)	20	Digital Transmission Range (DTR) sensor, TR1	
17	1145 (LB-BK)	20	Digital Transmission Range (DTR) sensor, TR2	
18	1023 (DB-LG)	20	Secondary fuel pump driver module, monitor	5.4L
19	*	*	not used	
20	*	*	not used	
21	1789 (VT-WH)	20	Reversing lamps switch, signal	Manual Trans
22	*	*	not used	
23	966 (LB-PK)	20	Pressure Control (PCB) solenoid B control	
24	392 (RD-LG)	20	Heated Oxygen Sensor (HO2S) #12, signal	
25	393 (VT-LG)	20	Heated Oxygen Sensor (HO2S) #22, signal	
26	*	*	not used	
27	1268 (RD-BK)	20	Digital Transmission Range (DTR) sensor, TR3A	
28	1143 (WH-BK)	20	Digital Transmission Range (DTR) sensor, TR4	
29	923 (OG-BK)	20	Transmission Fluid Temperature (TFT) sensor signal	
30	*	*	not used	
31	*	*	not used	
32	*	*	not used	
33	*	*	not used	
34	912 (WH-RD)	20	Pressure Control (PCC) solenoid C control	
35	*	*	not used	
36	*	*	not used	
37	*	*	not used	
38	*	*	not used	
39	*	*	not used	
40	*	*	not used	
41	359 (GY-RD)	20	Signal return	
42	257 (OG-YE)	20	Shift solenoid A control	
43	315 (VT-OG)	20	Shift solenoid B control	
44	971 (PK-BK)	20	Shift solenoid C control	
45	236 (BK-LG)	20	Shift solenoid D control	
46	126 (VT-YE)	20	Torque Converter Clutch (TCC) solenoid control	
47	389 (WH-BK)	18	Heated Oxygen Sensor (HO2S) #12 heater control	
48	390 (TN-YE)	18	Heated Oxygen Sensor (HO2S) #22, heater	
49	*	*	not used	
50	*	*	not used	