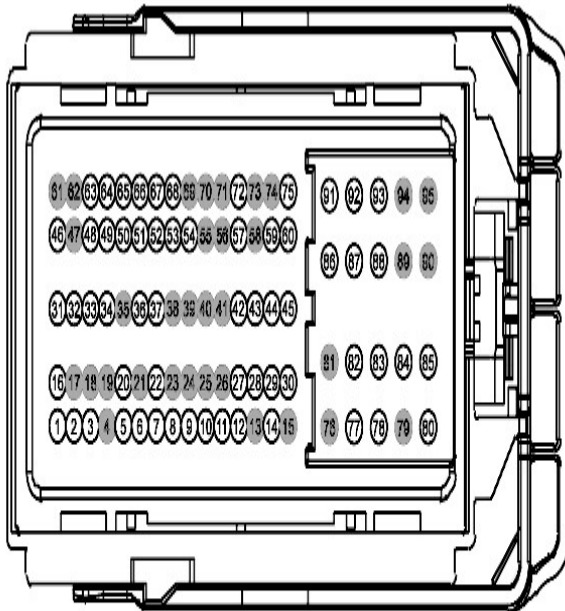


Connector: C1551E	Description	Color	Harness	Base Part #	Service Pigtail
	POWERTRAIN CONTROL MODULE (PCM)		12C508	part# N/A	Not Available

[Check for Terminal Part Numbers](#)


Pin	Circuit	Gauge	Circuit Function	Qualifier
1	CE421 (VT)	18	CTRL MOD. - POWERTRAIN # VARIABLE CAMSHAFT TIMING VALVE 1 (VCT11)	
2	CET18 (GY-YE)	20	CTRL MOD. - POWERTRAIN # SOLENOID SHIFT CONTROL LOW-SIDE 1 (SS1)	
3	CE148 (YE-GY)	18	CTRL MOD. - POWERTRAIN # ENGINE COOLANT BYPASS VALVE (TCBY)	
4	*	*	Not Used	
5	LE230 (BU)	18	CTRL MOD. - POWERTRAIN # FUEL TANK PRESSURE TRANSDUCER REF. VOLT. (VREF)	
5	LE230 (BN-BU)	18	CTRL MOD. - POWERTRAIN # FUEL TANK PRESSURE TRANSDUCER REF. VOLT. (VREF)	
6	LE458 (BU-WH)	20	CTRL MOD. - POWERTRAIN # VOLTAGE REFERENCE ENGINE 2 (VREF2)	
7	LE134 (YE)	20	CTRL MOD. - POWERTRAIN # ELECTRONIC THROTTLE CONTROL (ETCREF)	
8	LE423 (GN-VT)	20	CTRL MOD. - POWERTRAIN # VOLTAGE REFERENCE ENGINE (VREF)	
9	CMC24 (GY)	18	SWITCH - OIL PRESSURE	
10	VET32 (VT)	20	SENSOR - TRANSMISSION RANGE # PWM OUTPUT (TR - P)	
11	VE711 (YE-VT)	20	SENSOR - CRANKSHAFT POSITION (CKP)	
12	VET26 (BN-GN)	20	SENSOR - OUTPUT SHAFT SPEED (OSS)	
13	*	*	Not Used	
14	CE235 (GN-BN)	18	CTRL MOD. - POWERTRAIN # HEATER OXYGEN SEN. PRE CAT. 1ST OR UNIQUE (UO2SHTR11)	
15	*	*	Not Used	
16	CE460 (VT-WH)	18	CTRL MOD. - POWERTRAIN # WASTEGATE SOLENOID (TCWRVS)	
17	*	*	Not Used	
18	*	*	Not Used	
19	*	*	Not Used	
20	RE454 (YE-GN)	18	CTRL MOD. - POWERTRAIN # SIGNAL RETURN ENGINE #2 (SIGRTN)	
21	*	*	Not Used	
22	LE111 (VT-GN)	20	CTRL MOD. - POWERTRAIN # BUFFERED POWER SUPPLY SENSORS (VBPWR)	

23	*	*	Not Used
24	*	*	Not Used
25	*	*	Not Used
26	*	*	Not Used
27	VET33 (WH-OG)	20	SENSOR - TURBINE/TRANSMISSION SHAFT SPEED (TSS) +
28	VE706 (BN-BU)	20	SENSOR - CAMSHAFT POSITION BANK 1 IN+EX / IN (CMP11)
29	CE422 (WH-OG)	18	CTRL MOD. - POWERTRAIN # VARIABLE CAMSHAFT TIMING VALVE 2 (VCT12)
30	CET08 (BN-WH)	20	CTRL MOD. - POWERTRAIN # SOLENOID PRESSURE CONTROL 4 (PC4) [EPC] [VFS]
31	RE134 (BU-OG)	20	CTRL MOD. - POWERTRAIN # ELECTRONIC THROTTLE CONTROL (ETCRTN)
32	RET24 (BN-BU)	20	CTRL MOD. - POWERTRAIN # TRANSMISSION RANGE SIGNAL RETURN (TRGND)
33	VE804 (GN-BN)	20	SENSOR - MANIFOLD ABSOLUTE PRESSURE (MAP)
33	VE804 (GN-BN)	18	SENSOR - MANIFOLD ABSOLUTE PRESSURE (MAP)
34	RE804 (GY-BU)	18	SENSOR - MANIFOLD ABSOLUTE PRESSURE (MAP)
34	RE804 (GY-BU)	20	SENSOR - MANIFOLD ABSOLUTE PRESSURE (MAP)
35	*	*	Not Used
36	VE716 (YE)	20	SENSOR - ENGINE COOLANT TEMPERATURE (ECT)
37	LE238 (GY)	20	CTRL MOD. - POWERTRAIN # FUEL RAIL PRESSURE (FRP)
38	*	*	Not Used
39	*	*	Not Used
40	*	*	Not Used
41	*	*	Not Used
42	CE303 (WH-VT)	18	CTRL MOD. - POWERTRAIN # IGNITION COIL ON PLUG ASSEMBLY 1 (COP1A)
43	CE306 (GN-VT)	18	CTRL MOD. - POWERTRAIN # IGNITION COIL ON PLUG ASSEMBLY 4 (COP4C)
44	CET10 (BU-GY)	20	CTRL MOD. - POWERTRAIN # SOLENOID PRESSURE CONTROL 6 (PC6) [EPC] [VFS]
45	CET06 (GN)	20	CTRL MOD. - POWERTRAIN # SOLENOID PRESSURE CONTROL 2 (PC2) [EPC] [VFS]
46	VE712 (BU-GY)	20	SENSOR - CYLINDER HEAD TEMPERATURE 2 (CHT)
47	*	*	Not Used
48	LE452 (GN)	18	CTRL MOD. - POWERTRAIN # UNIVERSAL HEATED OXYGEN MEASURED PUMPING CURRENT 1ST (UO2SPCT11)
49	LE448 (GY-BU)	18	CTRL MOD. - POWERTRAIN # VOLTAGE REFERENCE UNIVERSAL HEGO 1ST (UO2SGREF11)
50	VE802 (BN-BU)	18	SENSOR - KNOCK 2ND BANK 1ST (KS2+)
51	RE324 (BN-GN)	18	CTRL MOD. - POWERTRAIN # KNOCK SENSOR 2ND BANK 1ST (KS2-)

52	VE819 (GN-VT)	20	SENSOR - THROTTLE POSITION # POSITIVE SLOPE (TP2-)
53	RE405 (GN-WH)	20	CTRL MOD. - POWERTRAIN # SIGNAL RETURN ENGINE (SIGRTN)
54	VE707 (GN-VT)	20	SENSOR - CAMSHAFT POSITION BANK 2 IN+EX / IN (CMP12)
55	*	*	Not Used
56	*	*	Not Used
57	CE304 (YE-BU)	18	CTRL MOD. - POWERTRAIN # IGNITION COIL ON PLUG ASSEMBLY 2 (COP-2D)
58	*	*	Not Used
59	CET09 (YE-VT)	20	CTRL MOD. - POWERTRAIN # SOLENOID PRESSURE CONTROL 5 (PC5) [EPC] [VFS]
60	CET05 (BU-GN)	20	CTRL MOD. - POWERTRAIN # SOLENOID PRESSURE CONTROL 1 (PC1) [EPC] [VFS]
61	*	*	Not Used
62	*	*	Not Used
63	LE451 (BN-YE)	18	CTRL MOD. - POWERTRAIN # UNIVERSAL HEATED OXYGEN PUMPING CURRENT 1ST (UO2SPC11)
64	VE826 (BN-VT)	18	SENSOR - UNIVERSAL HEATED OXYGEN 1ST OR UNIQUE (UO2S11)
65	VE801 (VT-OG)	18	SENSOR - KNOCK 1ST BANK 1ST OR UNIQUE (KS1+)
66	RE323 (WH-BN)	18	CTRL MOD. - POWERTRAIN # KNOCK SENSOR 1ST BANK 1ST OR UNIQUE (KS1-)
67	VET27 (BN-YE)	20	SENSOR - TRANSMISSION FLUID TEMPERATURE (TFT)
68	VE818 (BN)	20	SENSOR - THROTTLE POSITION # NEGATIVE SLOPE (TP1-)
69	*	*	Not Used
70	*	*	Not Used
71	*	*	Not Used
72	CE305 (BU-OG)	18	CTRL MOD. - POWERTRAIN # IGNITION COIL ON PLUG ASSEMBLY 3 (COP3B)
73	*	*	Not Used
74	*	*	Not Used
75	CET07 (GY-OG)	20	CTRL MOD. - POWERTRAIN # SOLENOID PRESSURE CONTROL 3 (PC3) [EPC] [VFS]
76	*	*	Not Used
77	RE226 (GN-VT)	16	CTRL MOD. - POWERTRAIN # FUEL VOLUME REGULATOR RETURN (FVRRTN)
78	CE226 (YE-VT)	16	CTRL MOD. - POWERTRAIN # FUEL VOLUME REGULATOR (FVR)
79	*	*	Not Used
80	CET49 (BN)	18	CTRL MOD. - POWERTRAIN # TRANSMISSION SOLENOID POWER CONTROL 2 (TSPC2)
81	*	*	Not Used
82	CE207 (VT-GY)	16	CTRL MOD. - POWERTRAIN # FUEL INJECTOR DRIVER 3 (INJ) +
83	CE206	16	CTRL MOD. - POWERTRAIN #

	(GY-YE)		FUEL INJECTOR DRIVER 2 (INJ) +
84	CE205 (GN-BU)	16	CTRL MOD. - POWERTRAIN # FUEL INJECTOR DRIVER 1 (INJ) +
85	CE208 (YE-OG)	16	CTRL MOD. - POWERTRAIN # FUEL INJECTOR DRIVER 4 (INJ) +
86	CE412 (YE-VT)	18	CTRL MOD. - POWERTRAIN # THROTTLE ACTUATOR CONTROL MOTOR (TACM+)
87	RE205 (YE-BU)	16	CTRL MOD. - POWERTRAIN # FUEL INJECTOR DRIVER 1 (INJ) -
88	RE206 (BU-OG)	16	CTRL MOD. - POWERTRAIN # FUEL INJECTOR DRIVER 2 (INJ) -
89	*	*	Not Used
90	*	*	Not Used
91	CE426 (BU-GN)	18	CTRL MOD. - POWERTRAIN # THROTTLE ACTUATOR CONTROL MOTOR (TACM-)
92	RE208 (BU)	16	CTRL MOD. - POWERTRAIN # FUEL INJECTOR DRIVER 4 (INJ) -
93	RE207 (GN-VT)	16	CTRL MOD. - POWERTRAIN # FUEL INJECTOR DRIVER 3 (INJ) -
94	*	*	Not Used
95	*	*	Not Used