

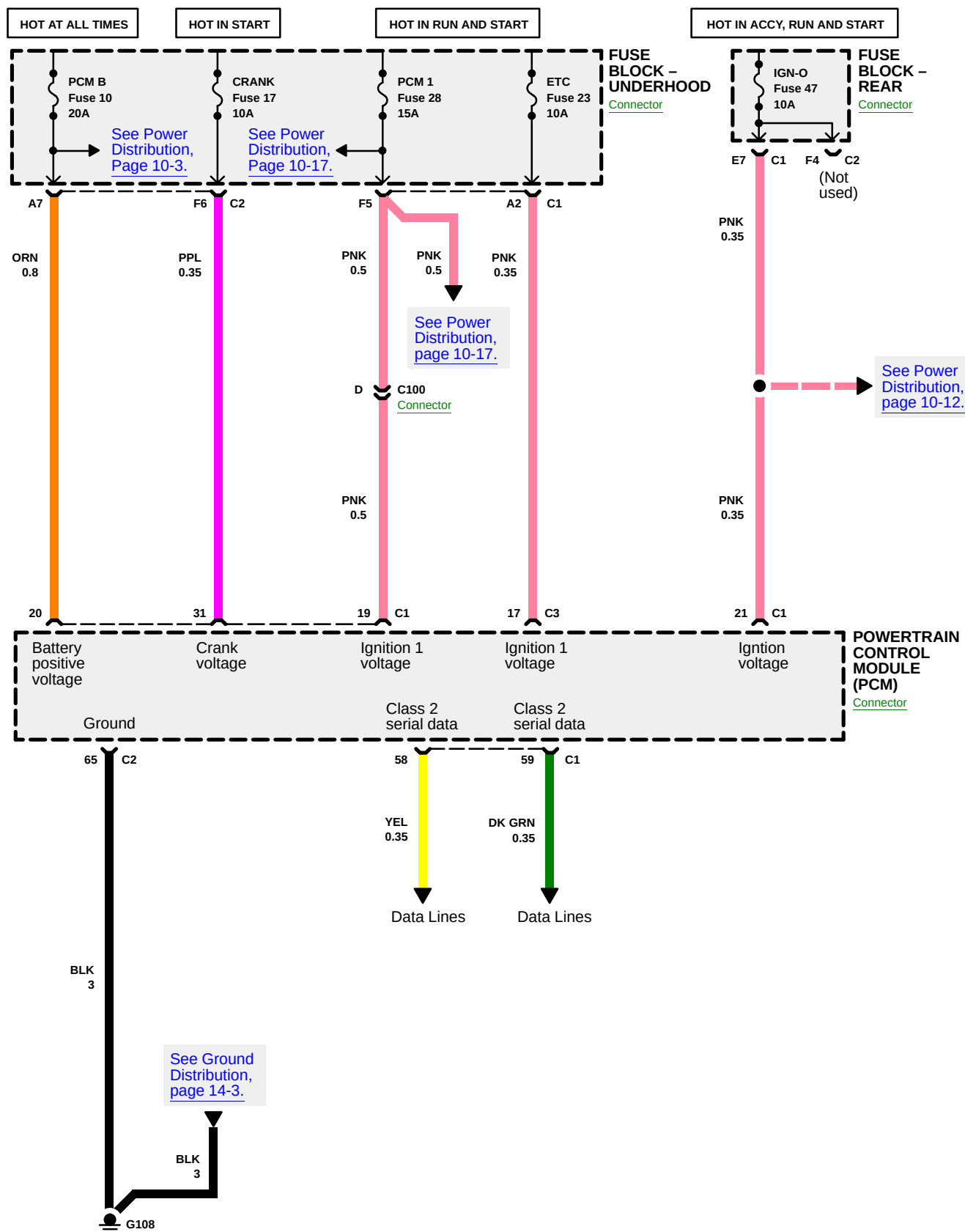
ENGINE CONTROLS: 4.2L

Component Index

- A/C Refrigerant Pressure Sensor (4.2L)
- Accelerator Pedal Position (APP) Sensor (4.2L)
- Camshaft Actuator Solenoid Assembly (4.2L)
- Camshaft Position (CMP) Sensor (4.2L)
- Cooling Fan
- Crankshaft Position (CKP Sensor (4.2L)
- Electronic Brake Control Module (EBCM)
- Engine Coolant Temperature (ECT) Sensor (4.2L)
- Engine Oil Pressure (EOP) Switch (4.2L)
- Evaporative Emission (EVAP) Canister Purge Solenoid (4.2L)
- Evaporative Emission (EVAP) Canister Vent Solenoid
- Fuel Injector 1 (4.2L)
- Fuel Injector 2 (4.2L)
- Fuel Injector 3 (4.2L)
- Fuel Injector 4 (4.2L)
- Fuel Injector 5 (4.2L)
- Fuel Injector 6 (4.2L)
- Fuel Pump and Sender Assembly
- Fuel Tank Pressure (FTP) Sensor
- Fuse Block-Rear
- Fuse Block-Underhood
- Heated Oxygen Sensor (HO2S) 1 (4.2L)
- Heated Oxygen Sensor (HO2S) 2 (4.2L)
- Instrument Panel Cluster (IPC)
- Intake Air Temperature (IAT) Sensor (4.2L)
- Knock Sensor (KS) 1 (Front) (4.2L)
- Knock Sensor (KS) 2 (Front) (4.2L)
- Manifold Absolute Pressure (MAP) Sensor (4.2L)
- Powertrain Control Module (PCM) (4.2L)
- Stop Lamp Switch
- Throttle Body (4.2L)
- Vehicle Speed Sensor (VSS) (2WD)
- Vehicle Speed Sensor (VSS) (4WD)

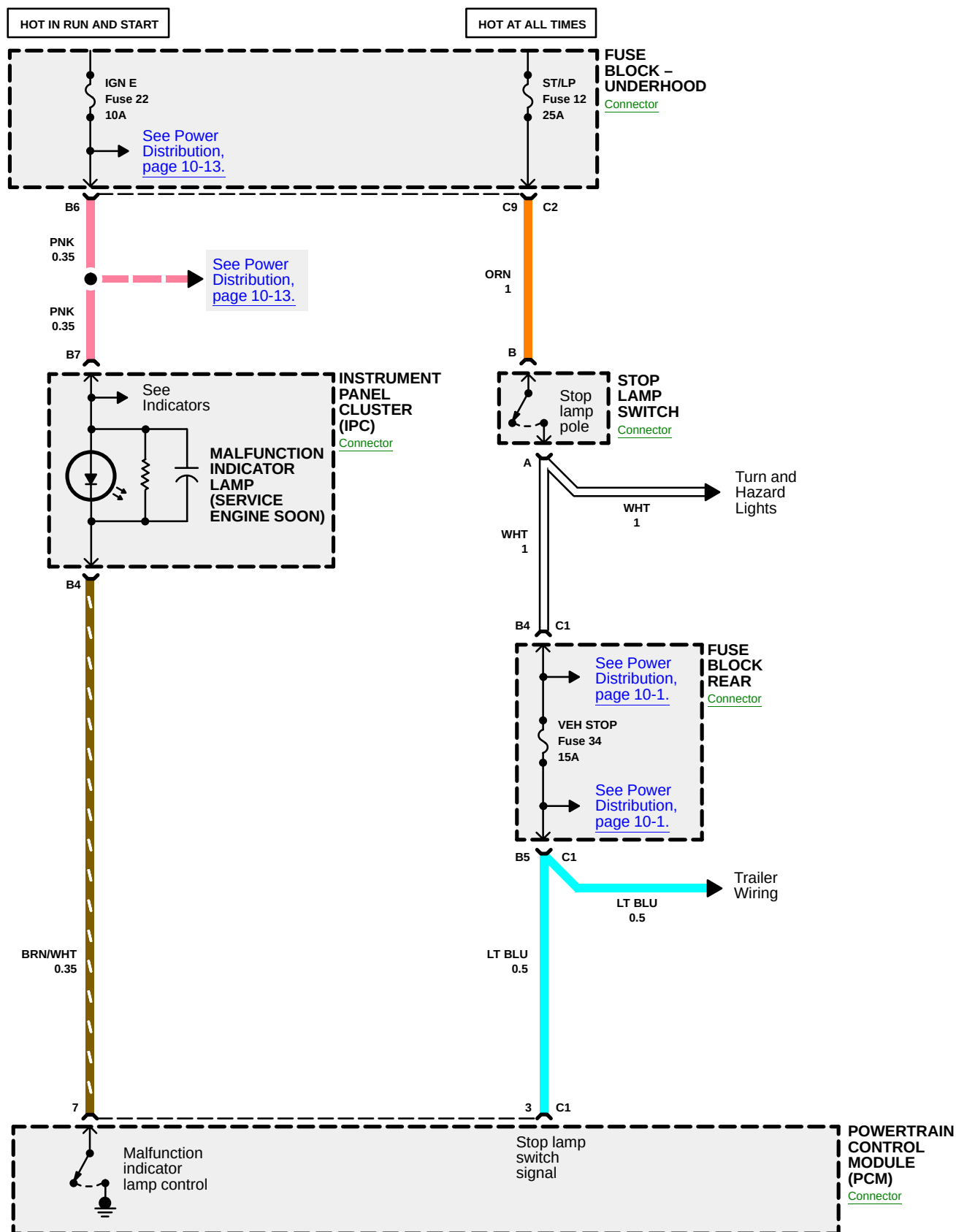
ENGINE CONTROLS: 4.2L

Circuit Schematic



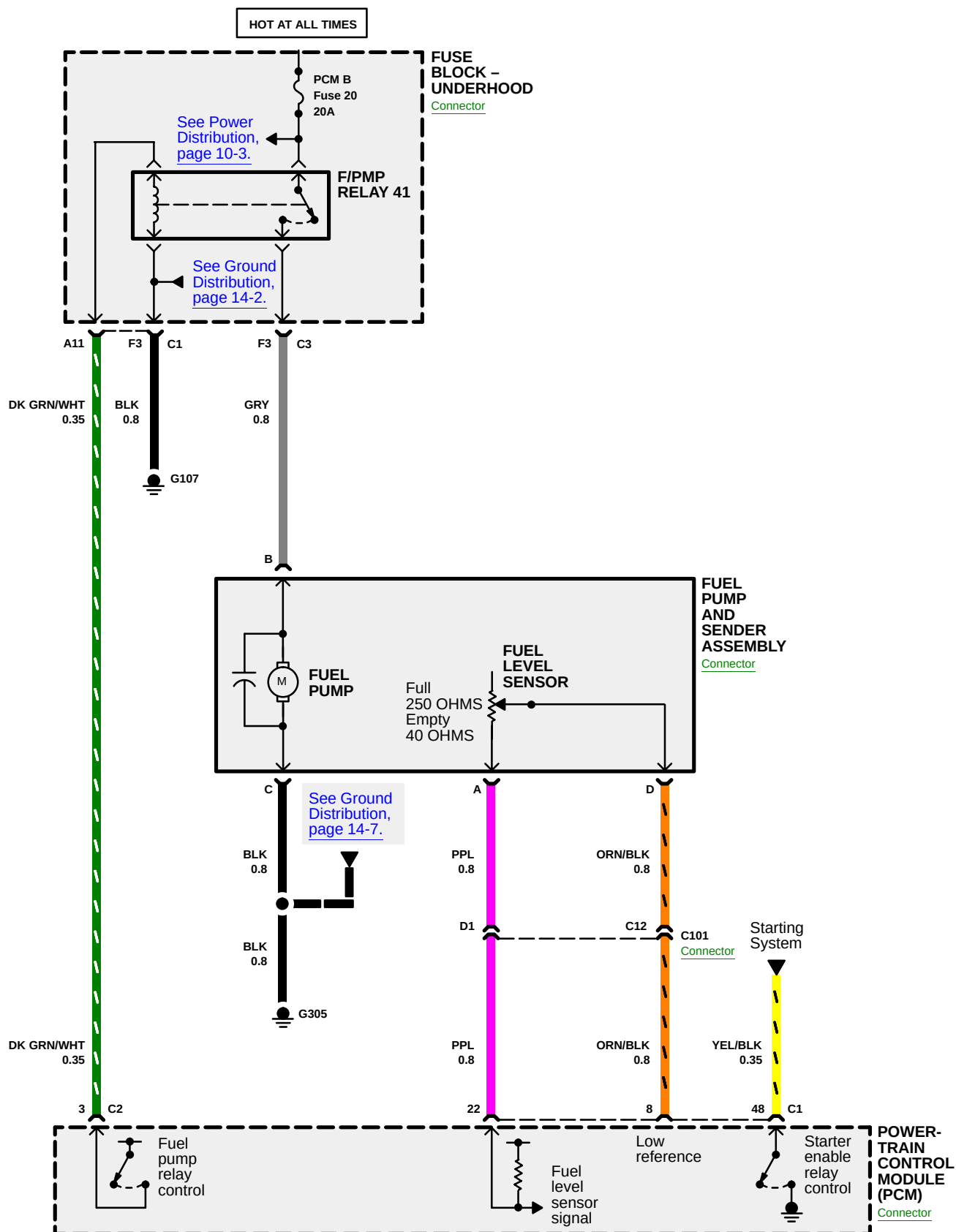
ENGINE CONTROLS: 4.2L

Circuit Schematic



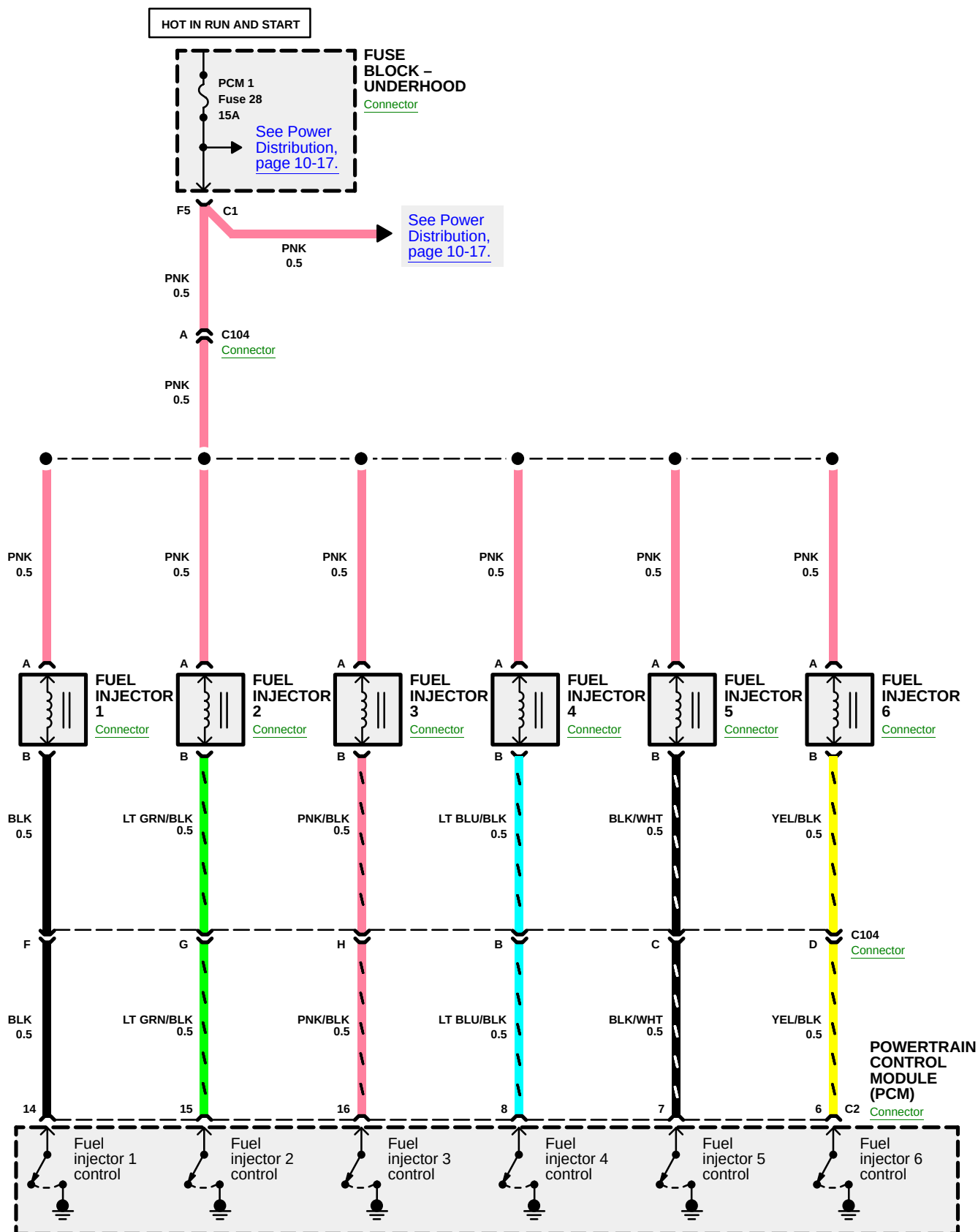
ENGINE CONTROLS: 4.2L

Circuit Schematic



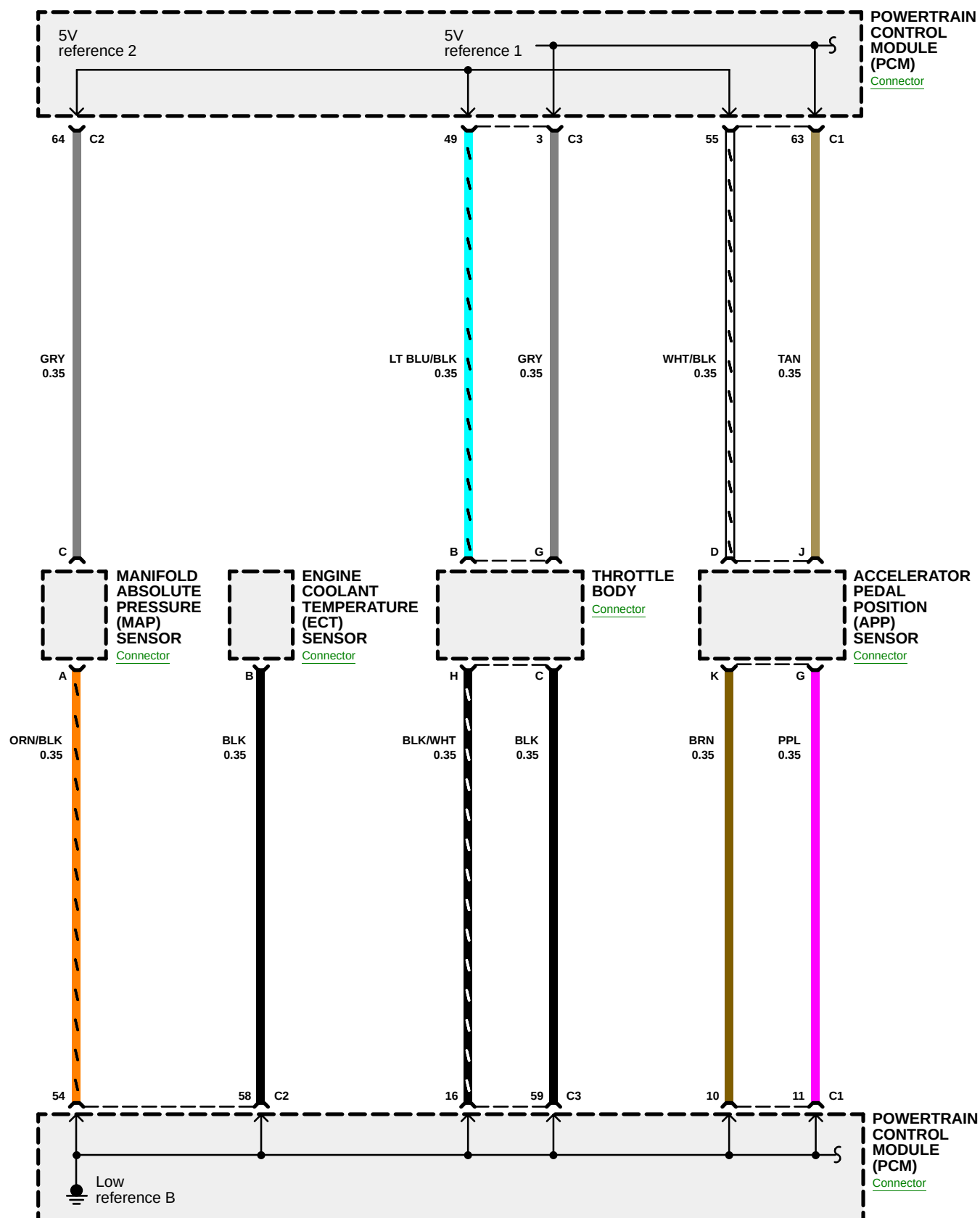
ENGINE CONTROLS: 4.2L

Circuit Schematic



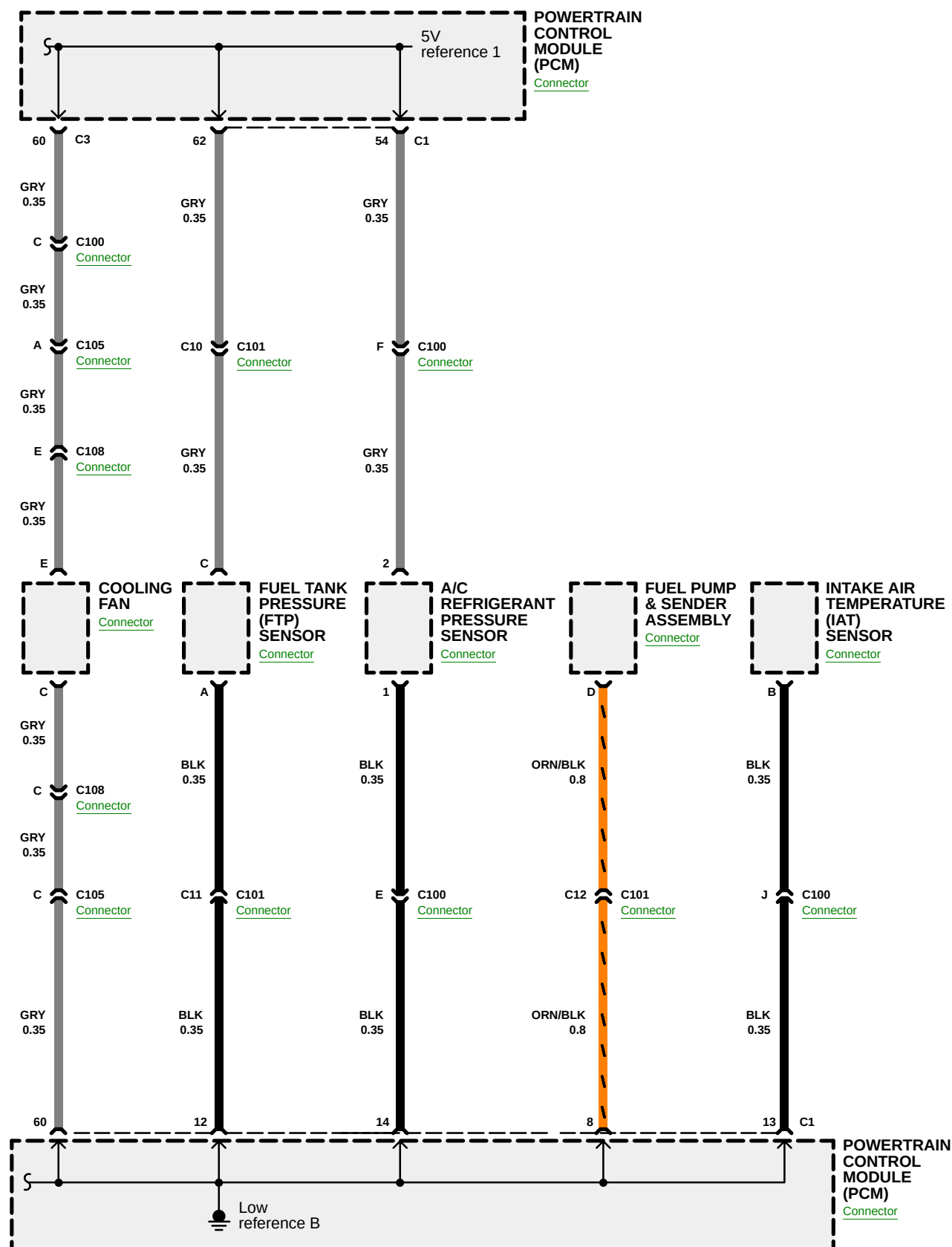
ENGINE CONTROLS: 4.2L

Circuit Schematic



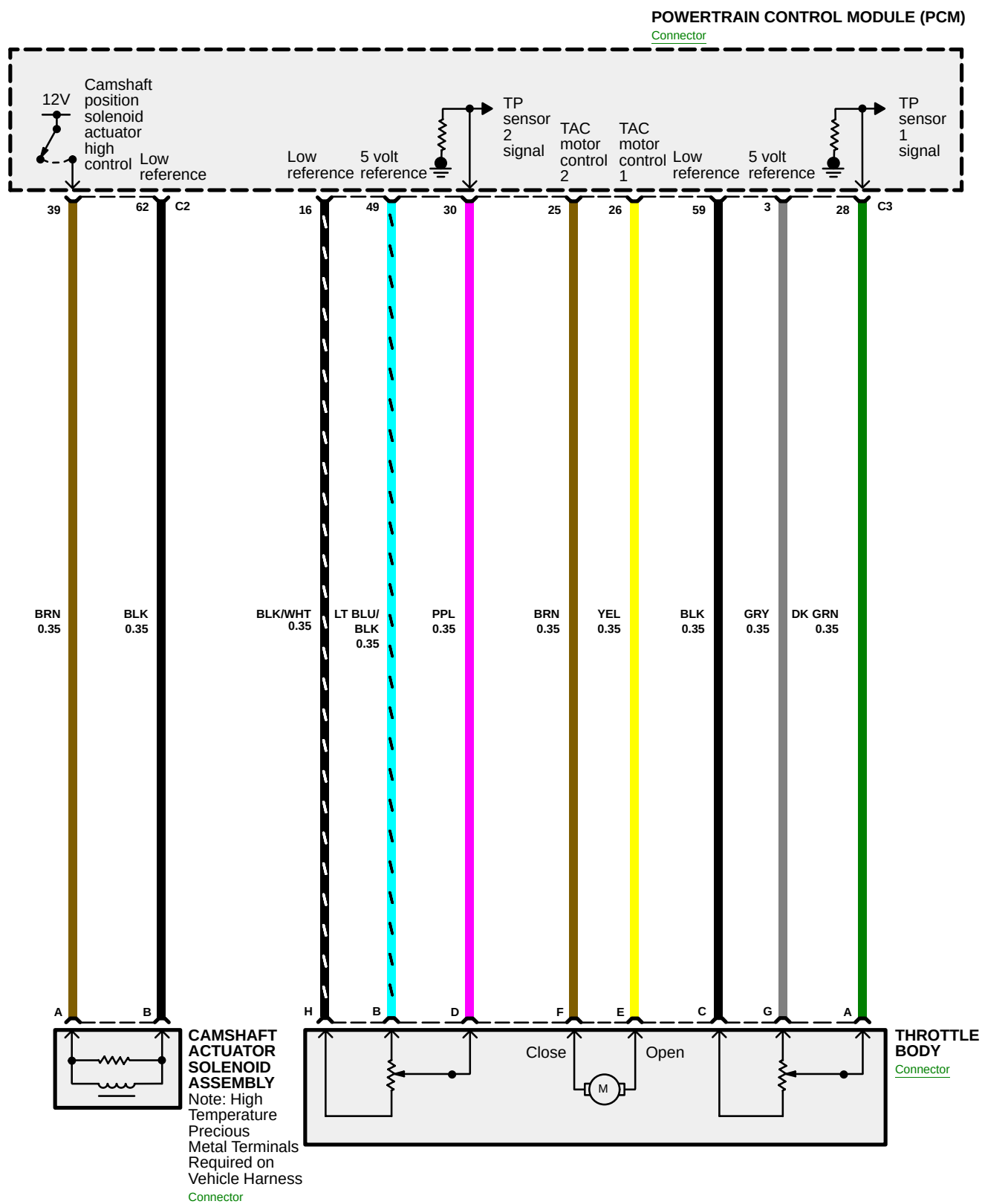
ENGINE CONTROLS: 4.2L

Circuit Schematic



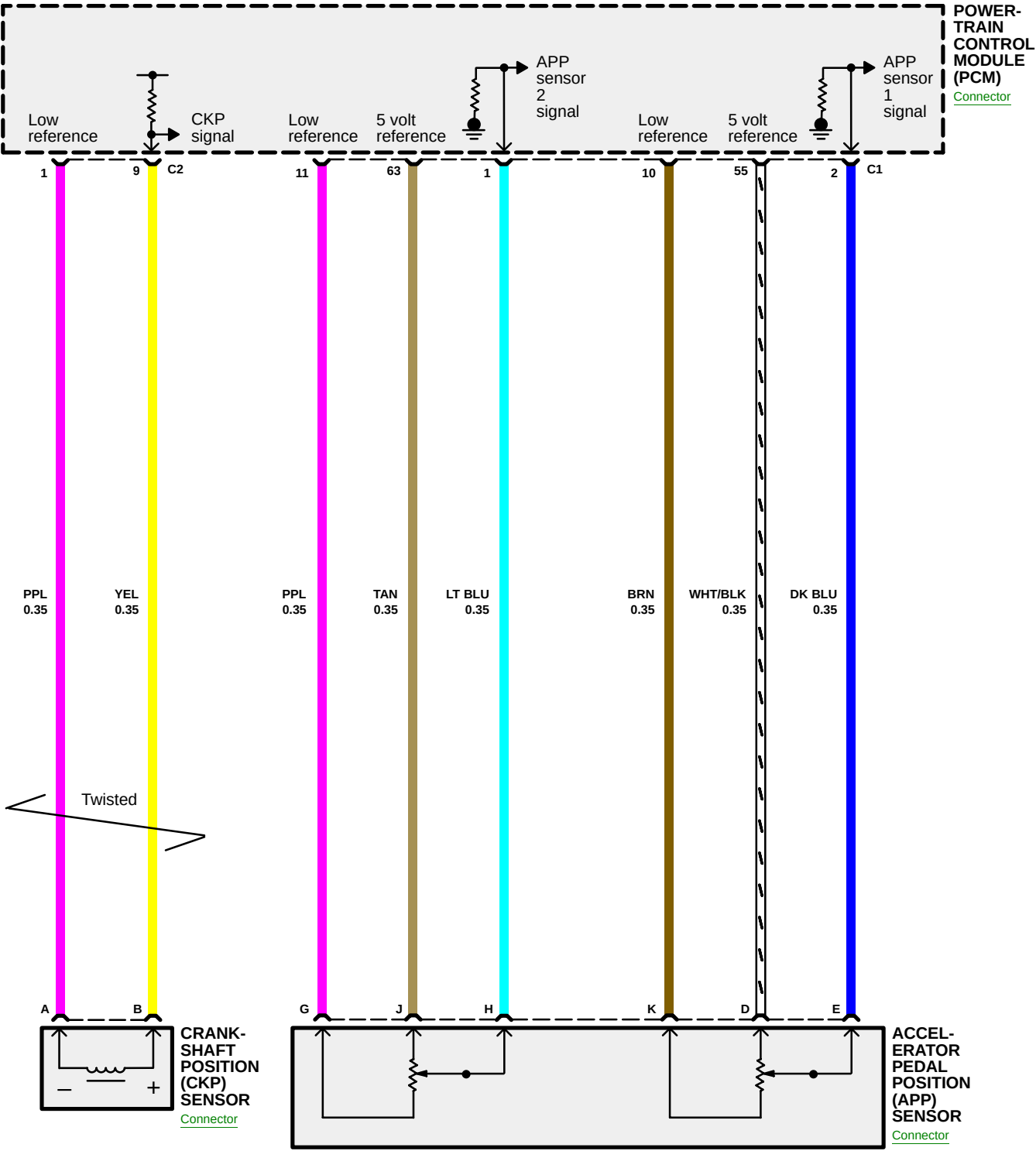
ENGINE CONTROLS: 4.2L

Circuit Schematic



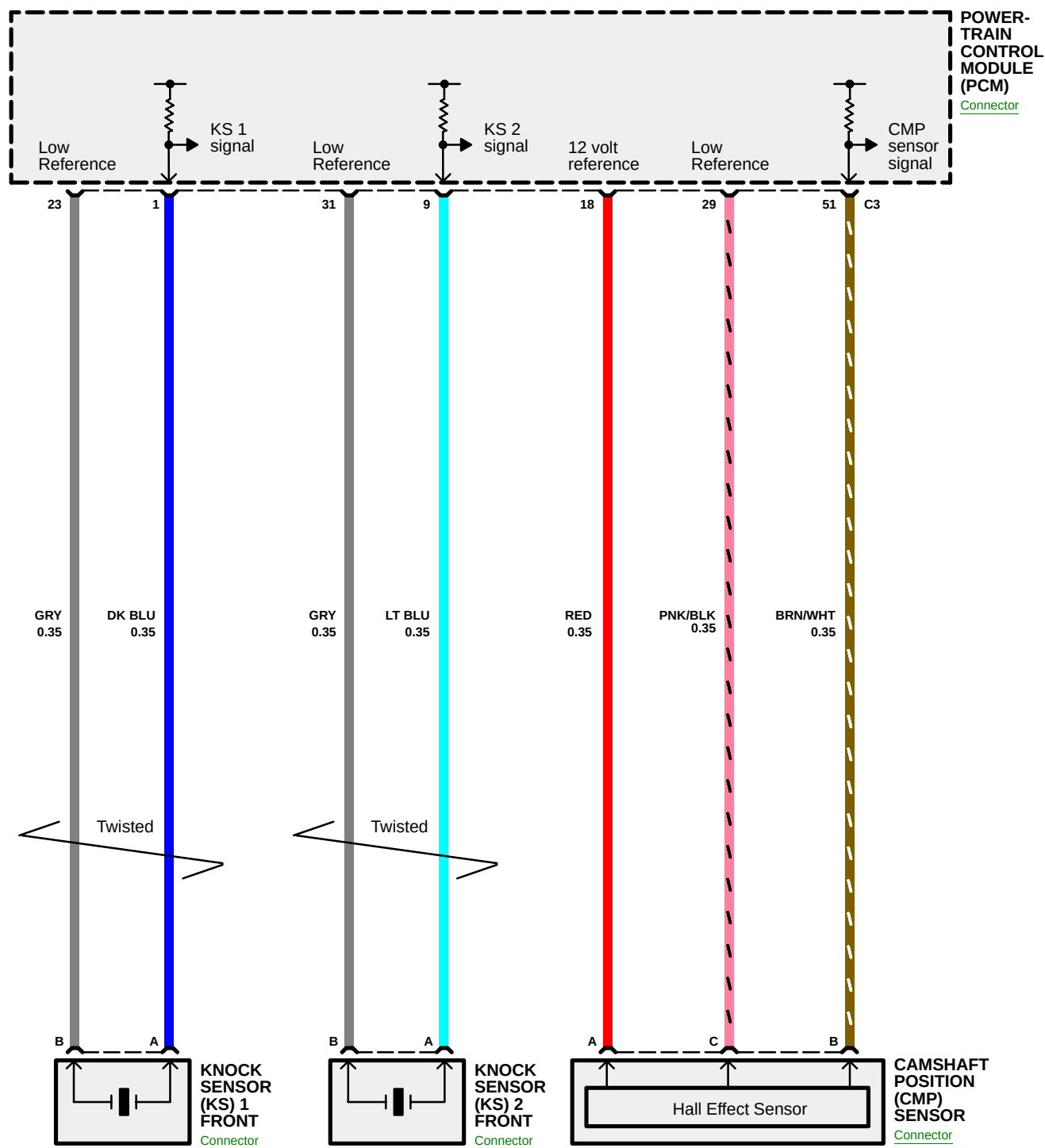
ENGINE CONTROLS: 4.2L

Circuit Schematic



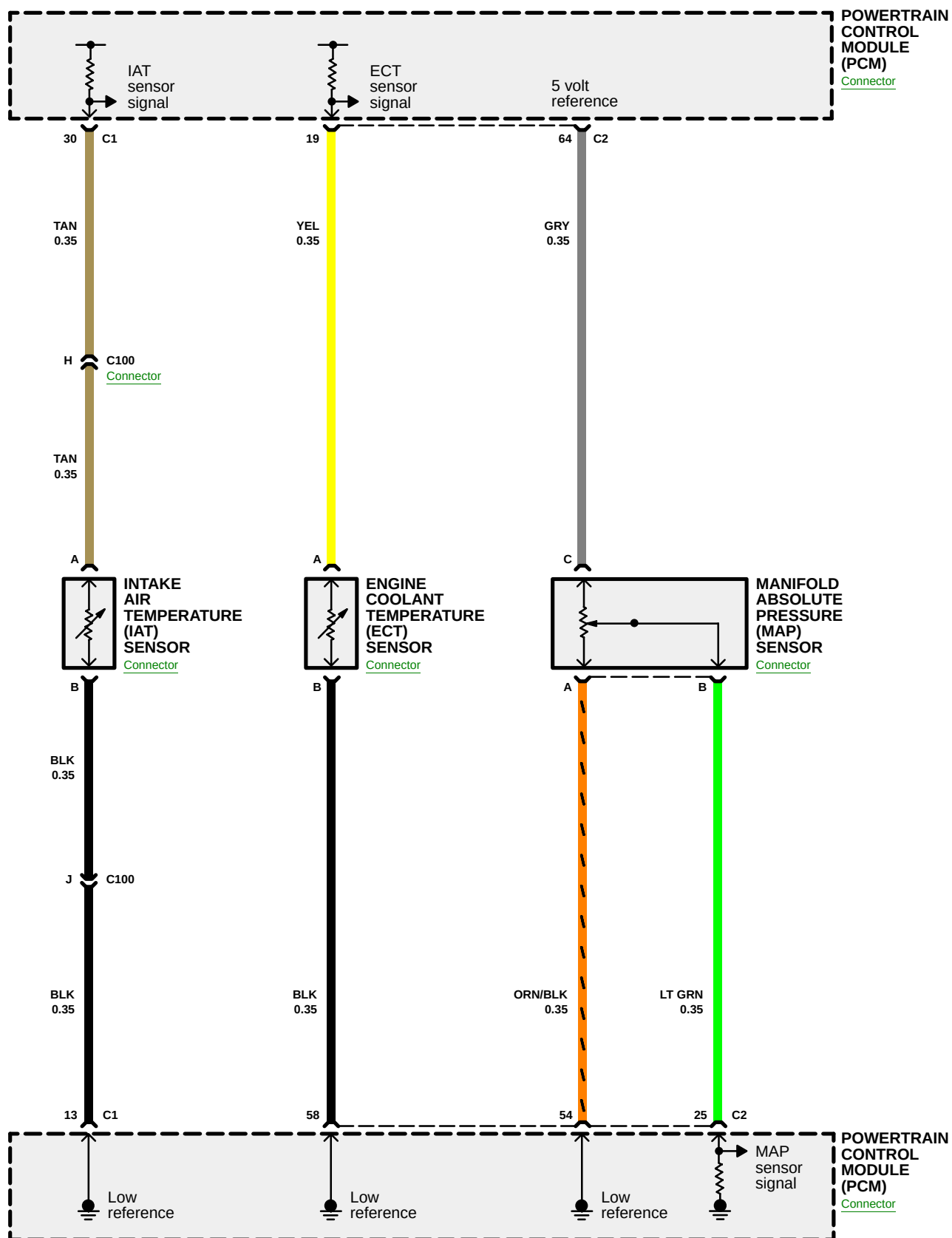
ENGINE CONTROLS: 4.2L

Circuit Schematic



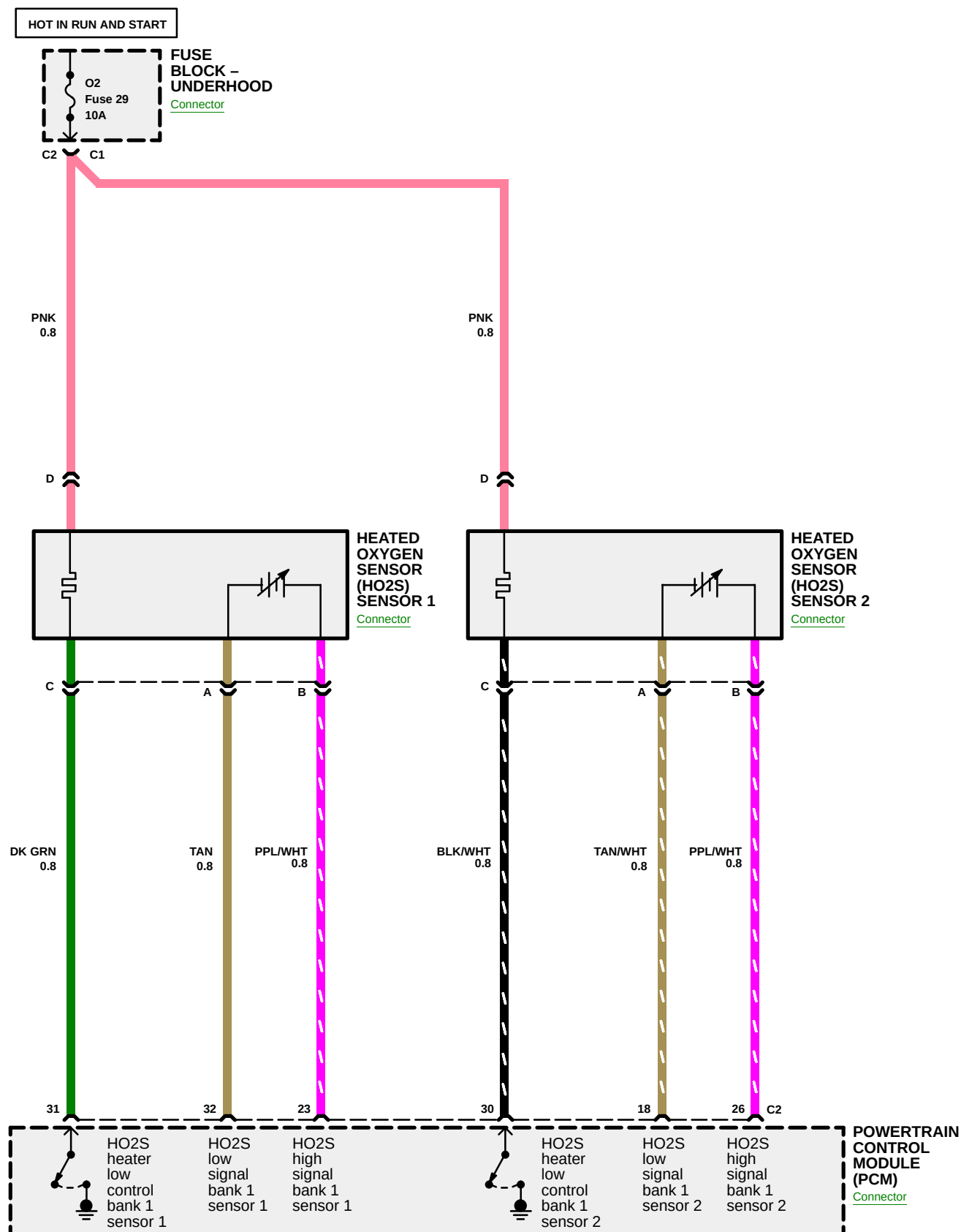
ENGINE CONTROLS: 4.2L

Circuit Schematic



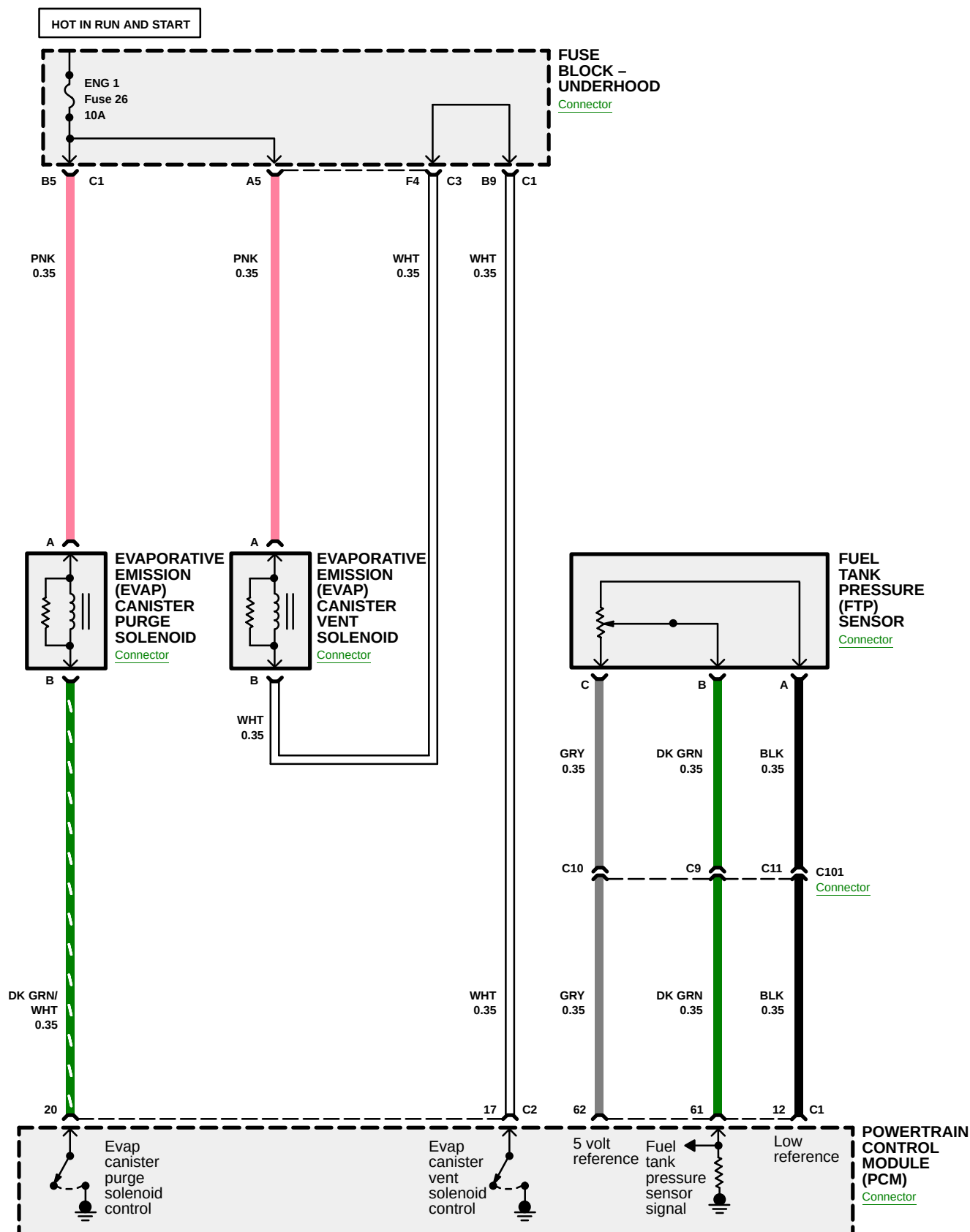
ENGINE CONTROLS: 4.2L

Circuit Schematic



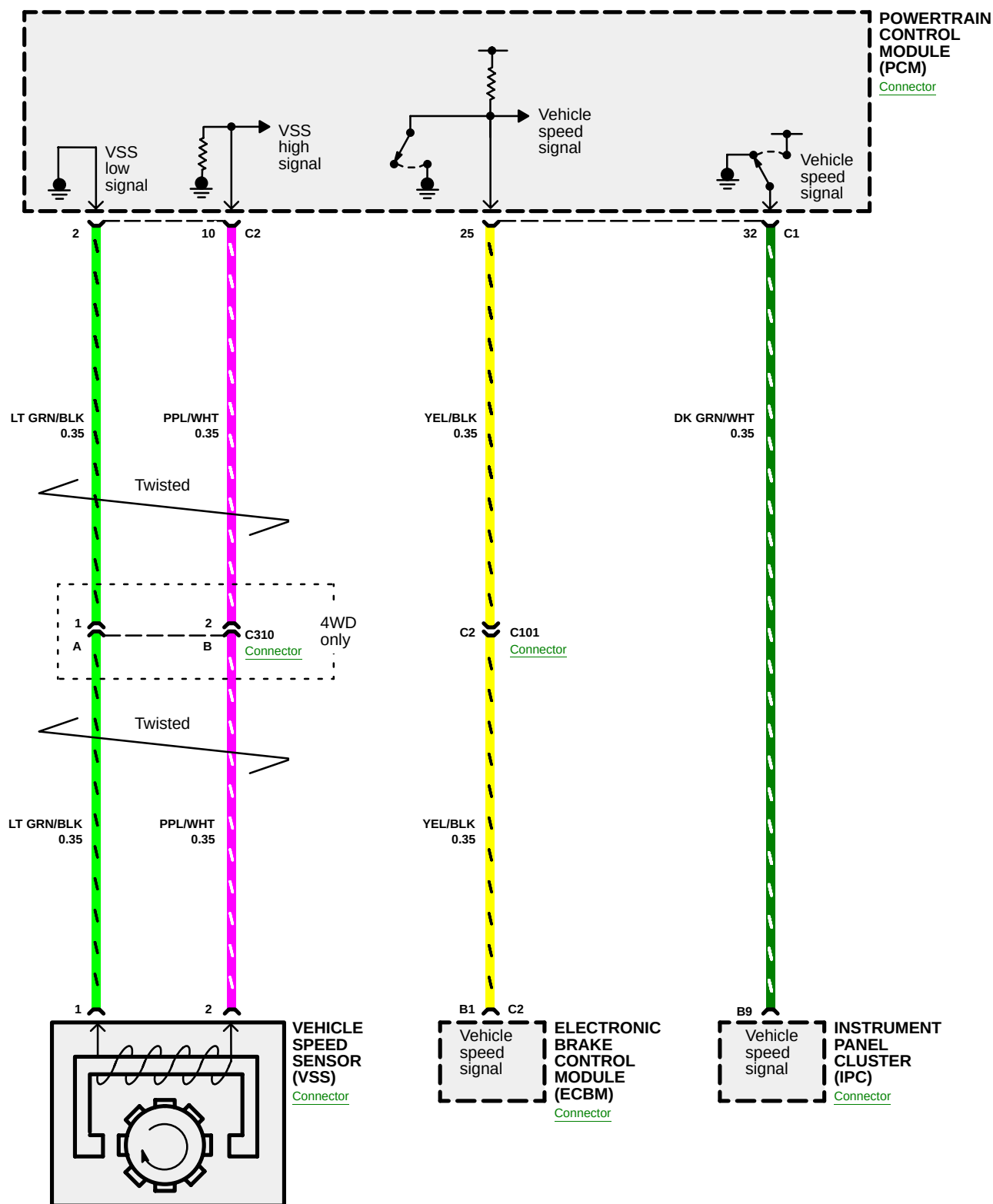
ENGINE CONTROLS: 4.2L

Circuit Schematic



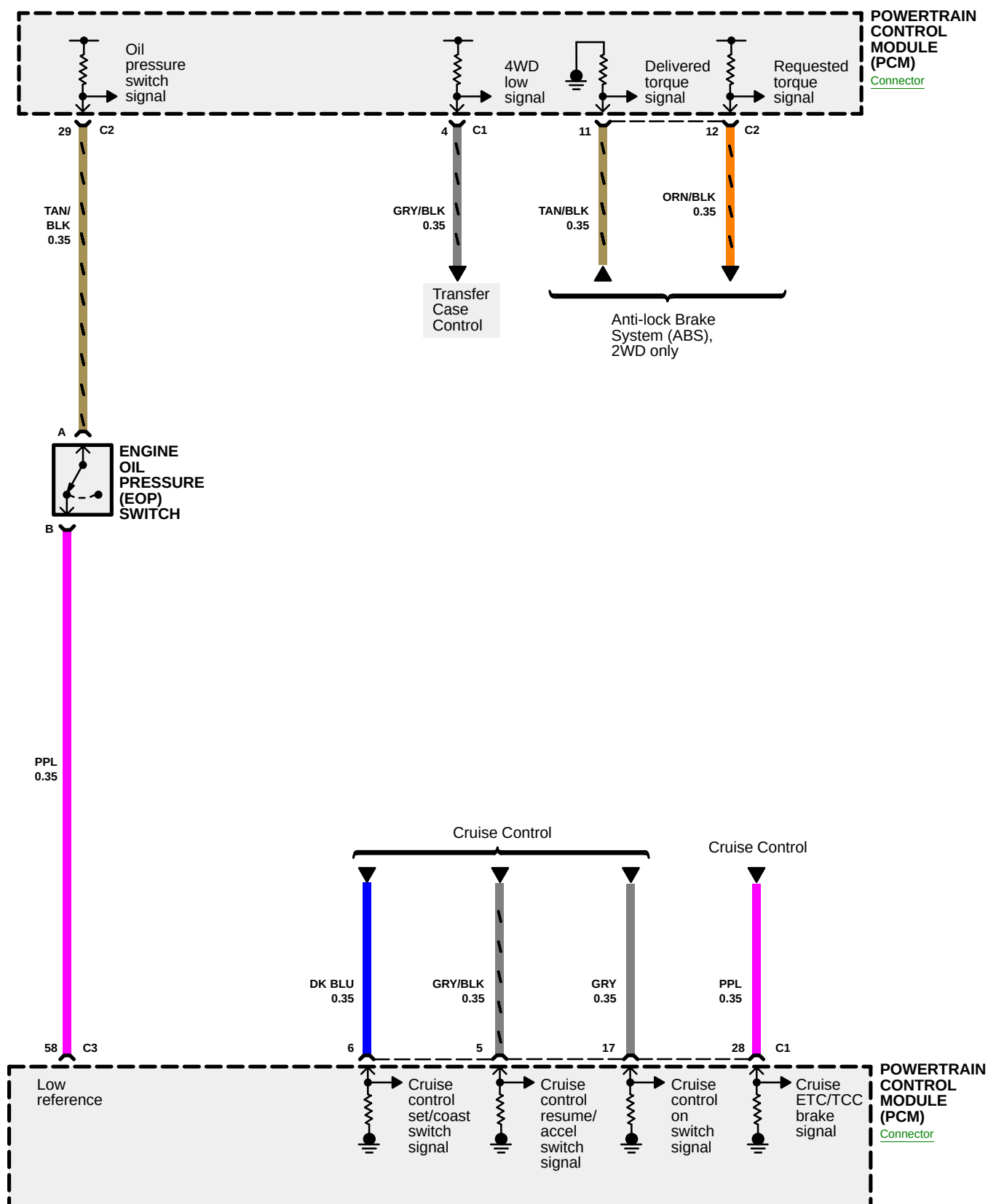
ENGINE CONTROLS: 4.2L

Circuit Schematic



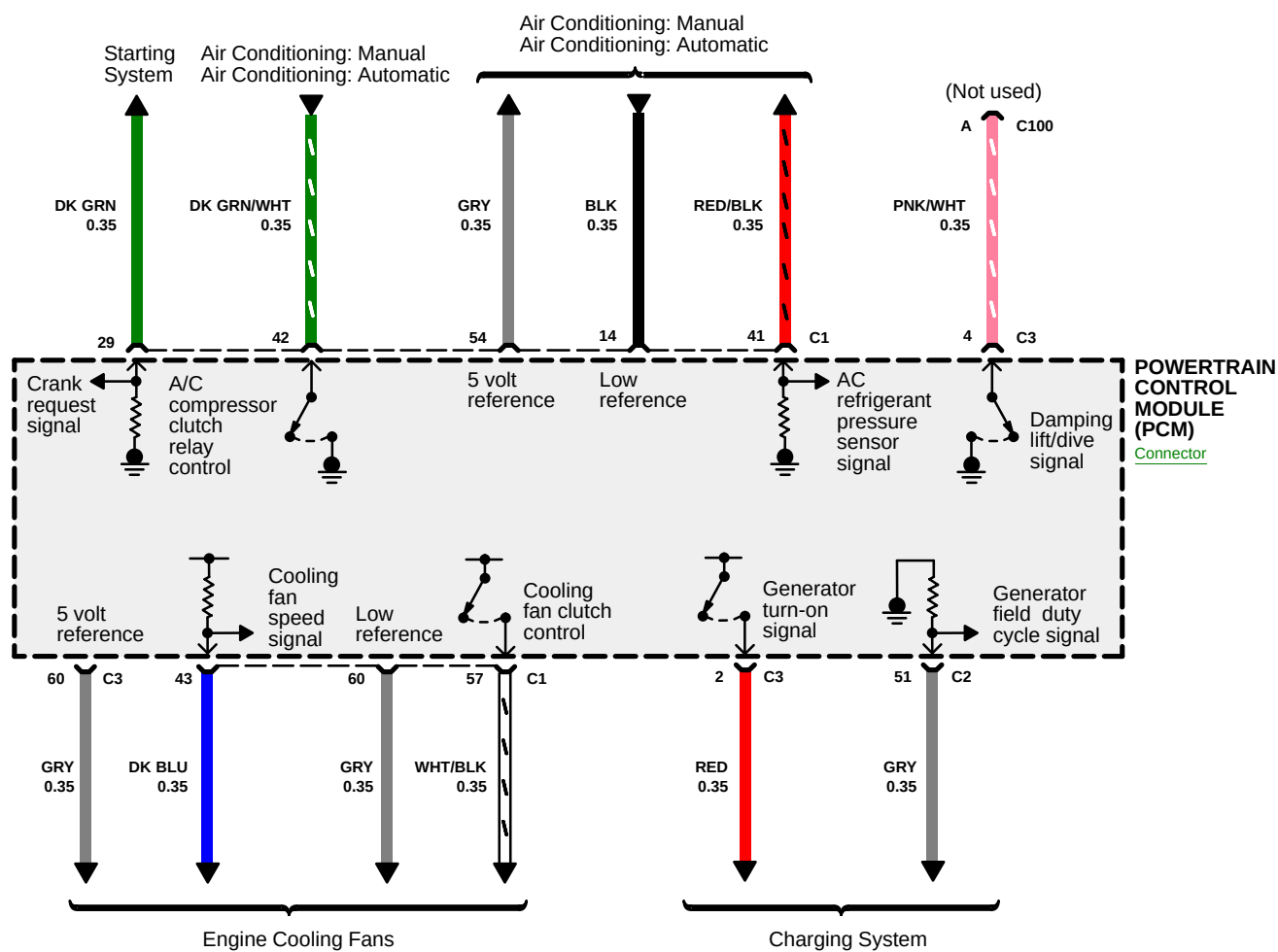
ENGINE CONTROLS: 4.2L

Circuit Schematic



ENGINE CONTROLS: 4.2L

Circuit Schematic



ENGINE CONTROLS: 4.2L

Component Location Index

(Refer to Section 201 for photographs.)

Component	Photo No.
A/C Refrigerant Pressure	
Sensor (4.2L) Bottom right side of engine	32
Accelerator Pedal Position	
(APP) Sensor (4.2L) On the accelerator bracket	63
Camshaft Actuator Solenoid	
Assembly (4.2L) Right front of engine	14
Camshaft Position (CMP)	
Sensor (4.2L) Right front of engine	14
Cooling Fan Top left side of radiator fan shroud	2
Crankshaft Position (CKP)	
Sensor (4.2L) Left side of engine	27
Electronic Brake Control	
Module (EBCM) Inner left side frame rail (near transmission)	41
Engine Coolant Temperature	
(ECT) Sensor (4.2L) Left front of engine	5
Engine Oil Pressure (EOP)	
Switch (4.2L) Bottom right side of engine	33
Evaporative Emission (EVAP)	
Canister Purge Solenoid	
(4.2L) Left side of engine	27
Evaporative Emission (EVAP)	
Canister Vent Solenoid Rear of the fuel tank	115
Fuel Injector 1 (4.2L) Left side of engine	26
Fuel Injector 2 (4.2L) Left side of engine	26
Fuel Injector 3 (4.2L) Left side of engine	26
Fuel Injector 4 (4.2L) Left side of engine	26
Fuel Injector 5 (4.2L) Left side of engine	26
Fuel Injector 6 (4.2L) Left side of engine	26
Fuel Pump and Sender	
Assembly Inside the fuel tank	
Fuel Tank Pressure (FTP)	
Sensor At top left rear of fuel tank	115
Fuse Block-Rear Under the left rear seat	52
Fuse Block-Underhood Left side of engine compartment	3
Heated Oxygen Sensor	
(HO2S) 1 (4.2L) Right front of engine	13
Heated Oxygen Sensor	
(HO2S) 2 (4.2L) Right side of transmission	45
Instrument Panel Cluster	
(IPC) On the left side of the IP, above the steering column	59
Intake Air Temperature (IAT)	
Sensor (4.2L) Right rear of engine compartment	15
Knock Sensor (KS) 1 (Front)	
(4.2L) Left side of engine	27
Knock Sensor (KS) 2 (Front)	
(4.2L) Left side of engine	27
Manifold Absolute Pressure	
(MAP) Sensor (4.2L) Top rear of engine	6

ENGINE CONTROLS: 4.2L

Component Location Index

(Refer to Section 201 for photographs.)

<u>Component</u>	<u>Photo No.</u>
Powertrain Control Module	
(PCM) (4.2L)	Left front of engine 5
Stop Lamp Switch	On brake pedal support 64
Throttle Actuator Control	
(TAC) Sensor (4.2L)	Top rear of engine 6
Throttle Body (4.2L)	Top rear of engine 6
Vehicle Speed Sensor (VSS)	
(2WD)	Right rear of transmission 42
Vehicle Speed Sensor (VSS)	
(4WD)	Left rear of transfer case 44
<u>Connector</u>	
C100 (4.2L) (10-BLK)	Left front of engine 5
C101 (38-BLK)	Left side of engine compartment 3
C104 (4.2L) (8-BLK)	Top of engine 16
C105 (10-BLK)	Left side of engine compartment 4
C310 (2-BLK)	Right side of transmission 45
<u>Ground</u>	
G107 (4.2L)	Lower left side of engine 37
G108 (4.2L)	Lower left side of engine 37
G305	Outside of left frame rail, near fuel tank 36