

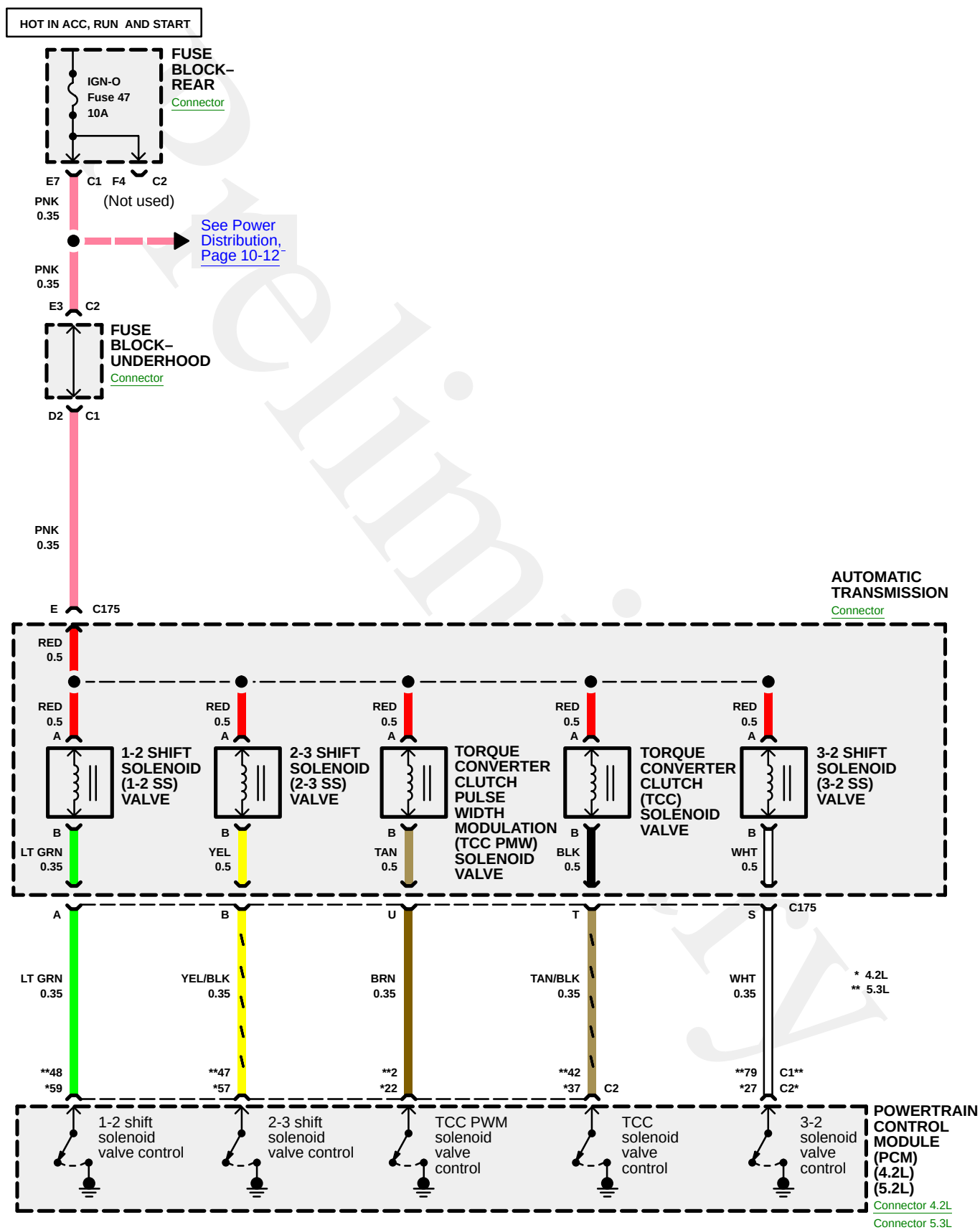
AUTOMATIC TRANSMISSION CONTROLS

Circuit Schematic

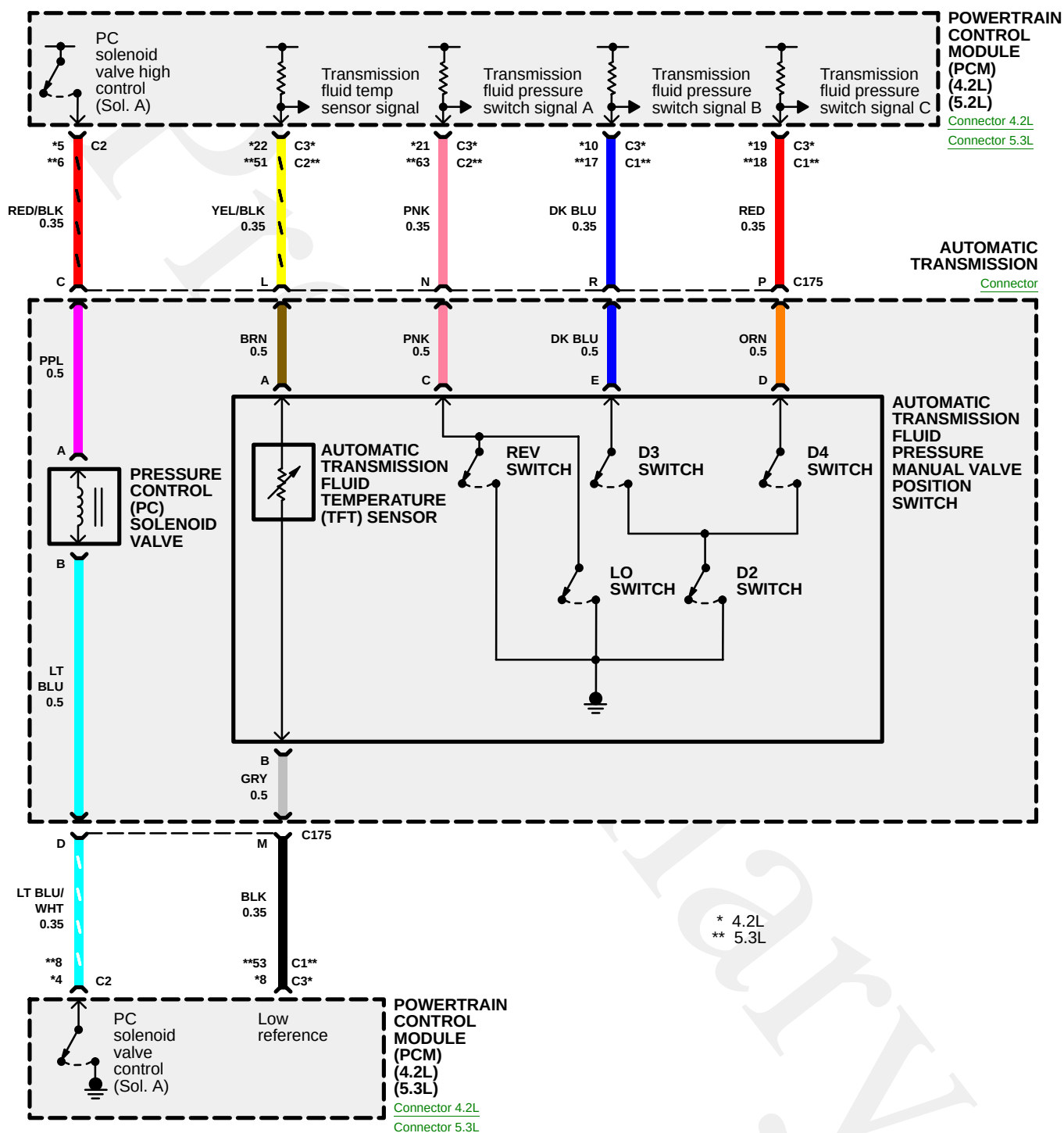
- Automatic Transmission
- Automatic Transmission Fluid Pressure (TFP) Manual
 - Valve Position Switch
- Electronic Brake Control Module (EBCM)
- Fuse Block-Rear
- Fuse Block-Underhood
- Instrument Panel Cluster (IPC)
- Park/Neutral Position (PNP) Switch
- Powertrain Control Module (PCM) (4.2L)
- Powertrain Control Module (PCM) (5.3L)
- Pressure Control (PC) Solenoid Valve
- Stop Lamp Switch
- Vehicle Speed Sensor (VSS) (2WD)
- Vehicle Speed Sensor (VSS) (4WD)

AUTOMATIC TRANSMISSION CONTROLS

Circuit Schematic

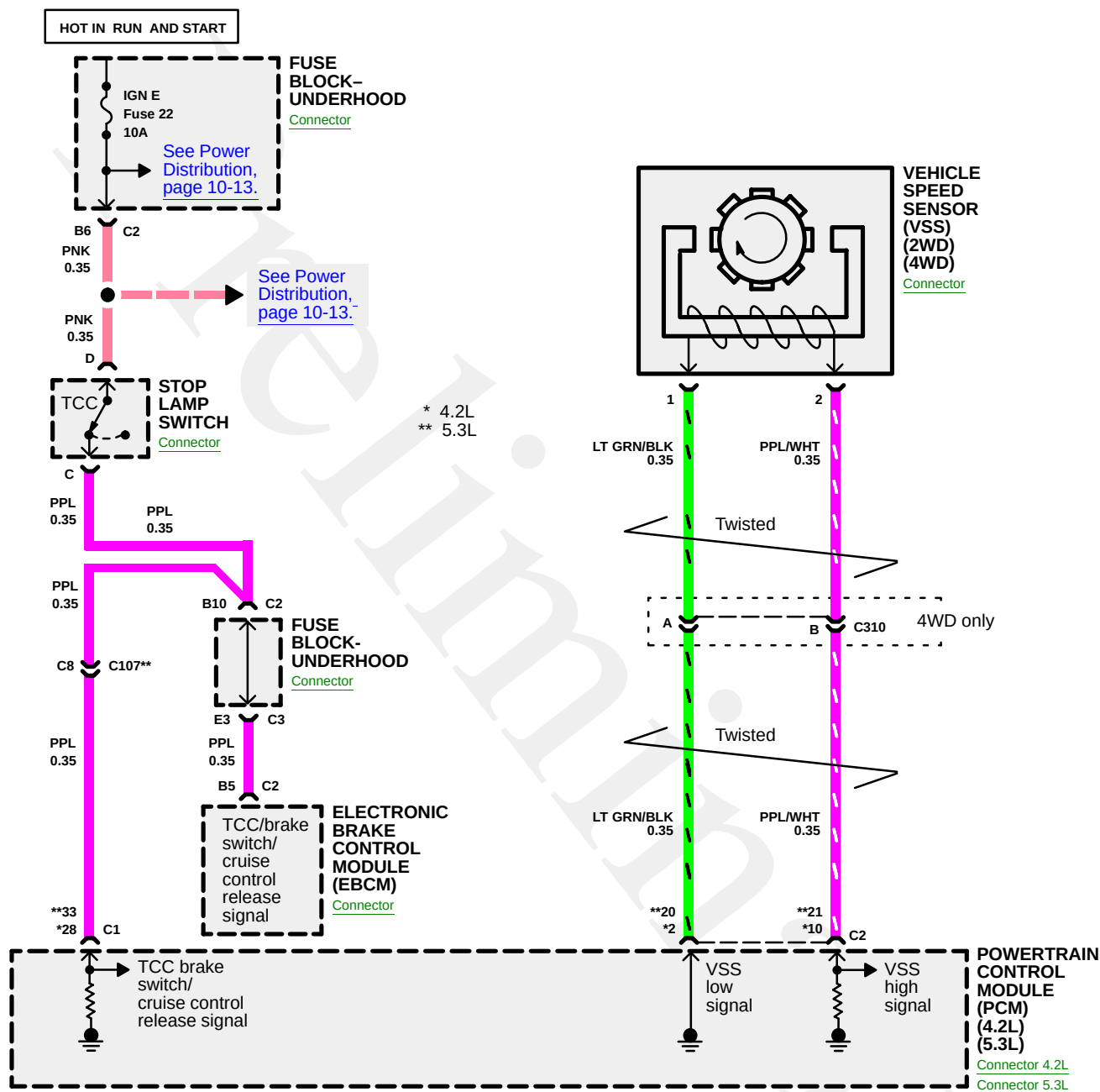


AUTOMATIC TRANSMISSION CONTROLS



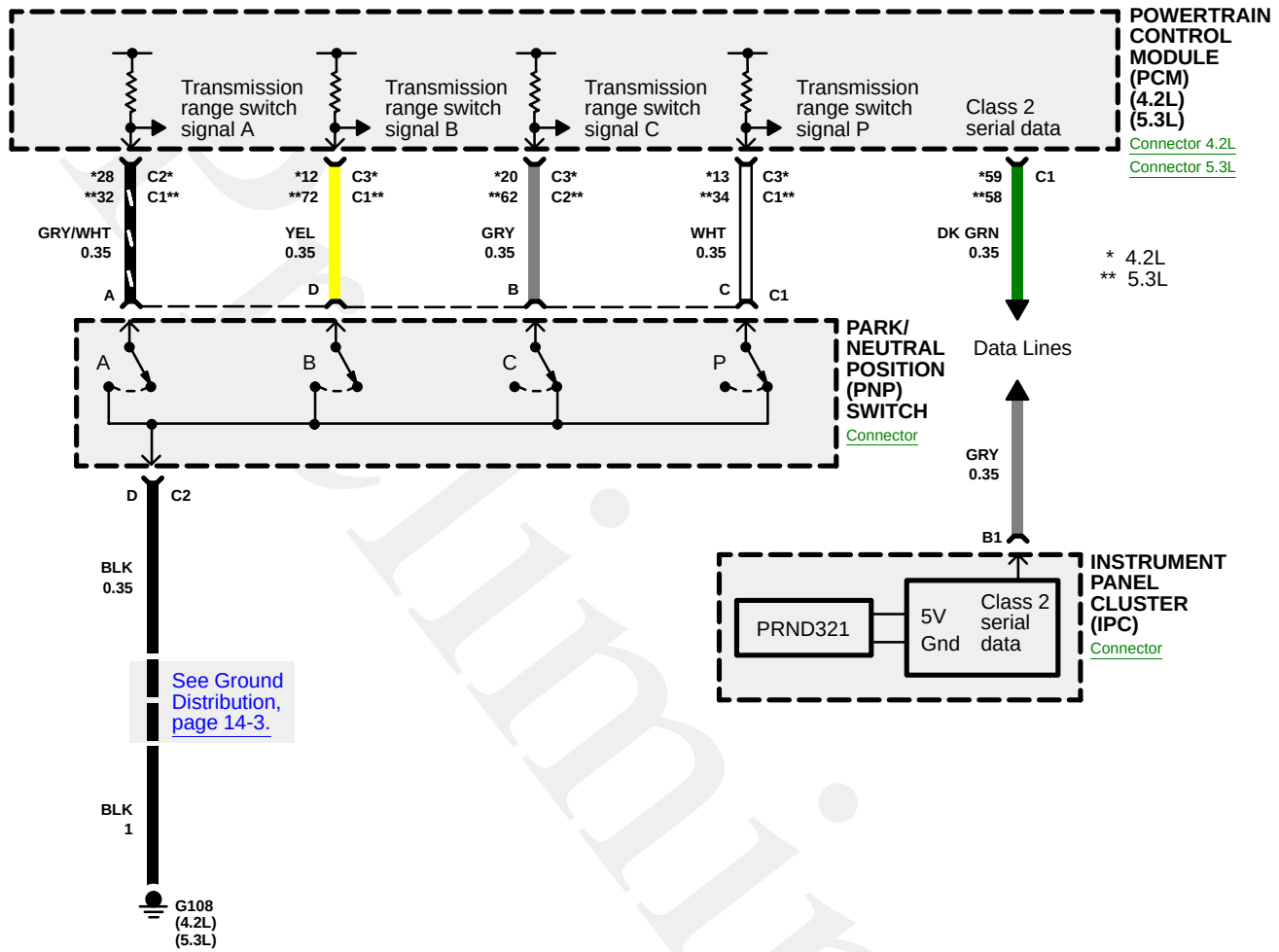
AUTOMATIC TRANSMISSION CONTROLS

Circuit Schematic



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Circuit Operation

The powertrain control module (PCM) receives inputs from switches and sensors, and controls the functions of transmission mode. The IPC illuminates the “change trans fluid” message when the PCM determines that the transmission oil should be changed. The PCM sends a message to the IPC requesting illumination. The select button will allow this message to clear it from the DIC display. Refer to Section 7 of the Workshop Manual for further transmission diagnosis.

Technical Manual

AUTOMATIC TRANSMISSION CONTROLS

Component Location Index

(Refer to Section 201 for photographs.)

Component	Photo No.
Automatic Transmission	45
Automatic Transmission Fluid	
Pressure (TFP) Manual Valve	
Position Switch	In transmission 45
Electronic Brake Control	
Module (EBCM)	Inner left side frame rail (near transmission) 41
Fuse Block-Rear	Under the left rear seat 52
Fuse Block-Underhood	Left side of engine compartment 3
Instrument Panel Cluster	
(IPC)	On the left side of the IP, above the steering column 59
Park/Neutral Position (PNP)	
Switch	Left side of transmission 40
Powertrain Control Module	
(PCM) (4.2L)	Left front of engine 5
Powertrain Control Module	
(PCM) (5.3L)	Left front of engine compartment 25
Pressure Control (PC)	
Solenoid Valve	In transmission 45
Stop Lamp Switch	On brake pedal support 64
Vehicle Speed Sensor (VSS)	
(2WD)	Right rear of transmission 42
Vehicle Speed Sensor (VSS)	
(4WD)	Left rear of transfer case 44
Connector	
C107 (5.3L) (38-BLK)	Left rear of engine compartment 18
C310 (2-BLK)	Right side of transmission 45
Ground	
G108 (4.2L)	Lower left side of engine 37
G108 (5.3L)	Lower left side of engine 38