

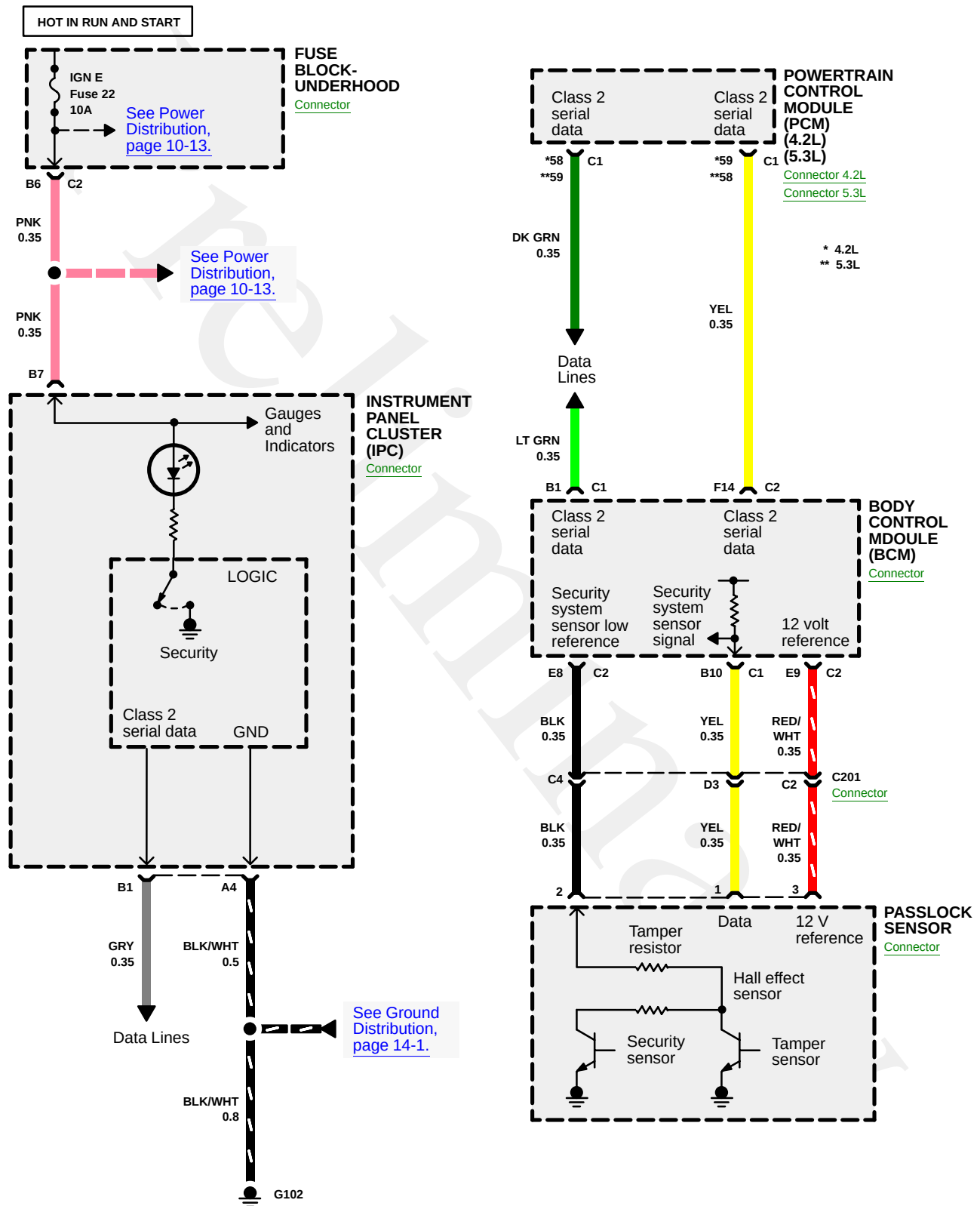
ANTI-THEFT SYSTEM

Component Index

- Body Control Module (BCM)
- Fuse Block-Underhood
- Instrument Panel Cluster (IPC)
- Passlock Sensor
- Powertrain Control Module (PCM) (4.2L)
- Powertrain Control Module (PCM) (5.3L)

ANTI-THEFT SYSTEM

Circuit Schematic



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ANTI-THEFT SYSTEM

Circuit Operation

Circuit Description

The Passlock™ system is provided in order to prevent vehicle theft if the ignition lock cylinder is forced to rotate or the ignition switch is operated while separated from the ignition lock cylinder case. The body control module (BCM) provides security system sensor power and low reference for the Passlock™ sensor. The BCM also measures the security system sensor voltage.

When the correct key is used to start the vehicle, a magnet on the lock cylinder passes close to the Passlock™ sensor within the ignition lock cylinder case. The magnet activates the security hall effect sensor in the Passlock™ sensor which completes a circuit from the security sensor signal circuit through a resistor to the security sensor low reference circuit. The resistance value will vary from vehicle to vehicle. The BCM will measure the voltage on the security sensor signal circuit and compare this voltage to a previously learned voltage. If the voltage measured is within the valid range, the BCM will send a class 2 message to the powertrain control module (PCM) to enable vehicle starting. If the voltage measured is not within the valid range, a class 2 message will be sent to the PCM to disable starting of the vehicle.

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Component Location Index

(Refer to Section 201 for photographs.)

Component	Photo No.
Body Control Module	
(BCM)	On Rear Fuse Block, under left rear seat 53
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
Passlock Sensor	In the steering column 67
Powertrain Control Module	
(PCM) (4.2L)	Left front of engine 5
Powertrain Control Module	
(PCM) (5.3L)	Left front of engine compartment 25
Connector	
C201 (17-BLK), (18-BLK), and (13-GRY)	At base of steering column 120
Ground	
G102	Left side of engine compartment 4