

Fig. 4: Manual A/C Circuit (1 of 2)

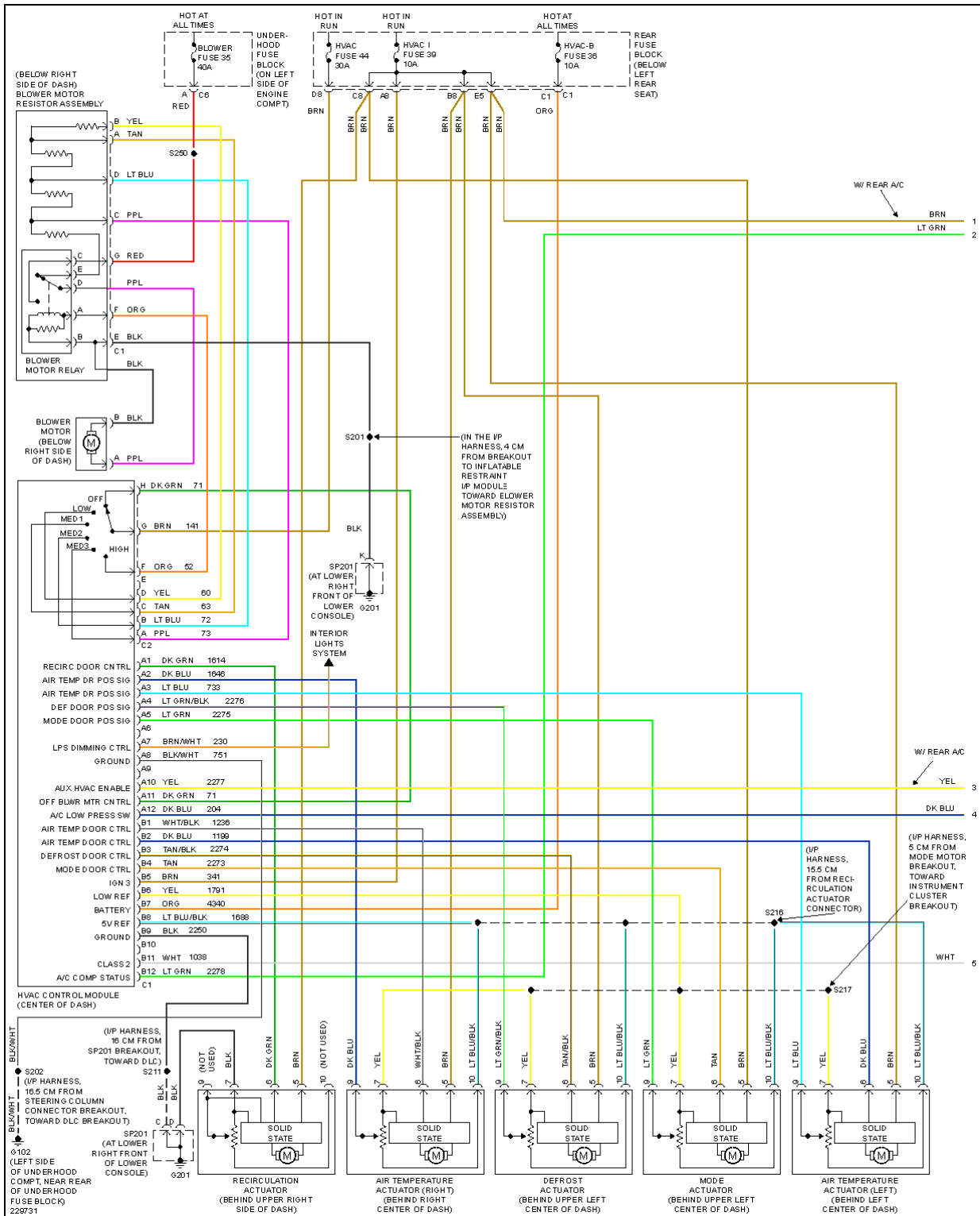
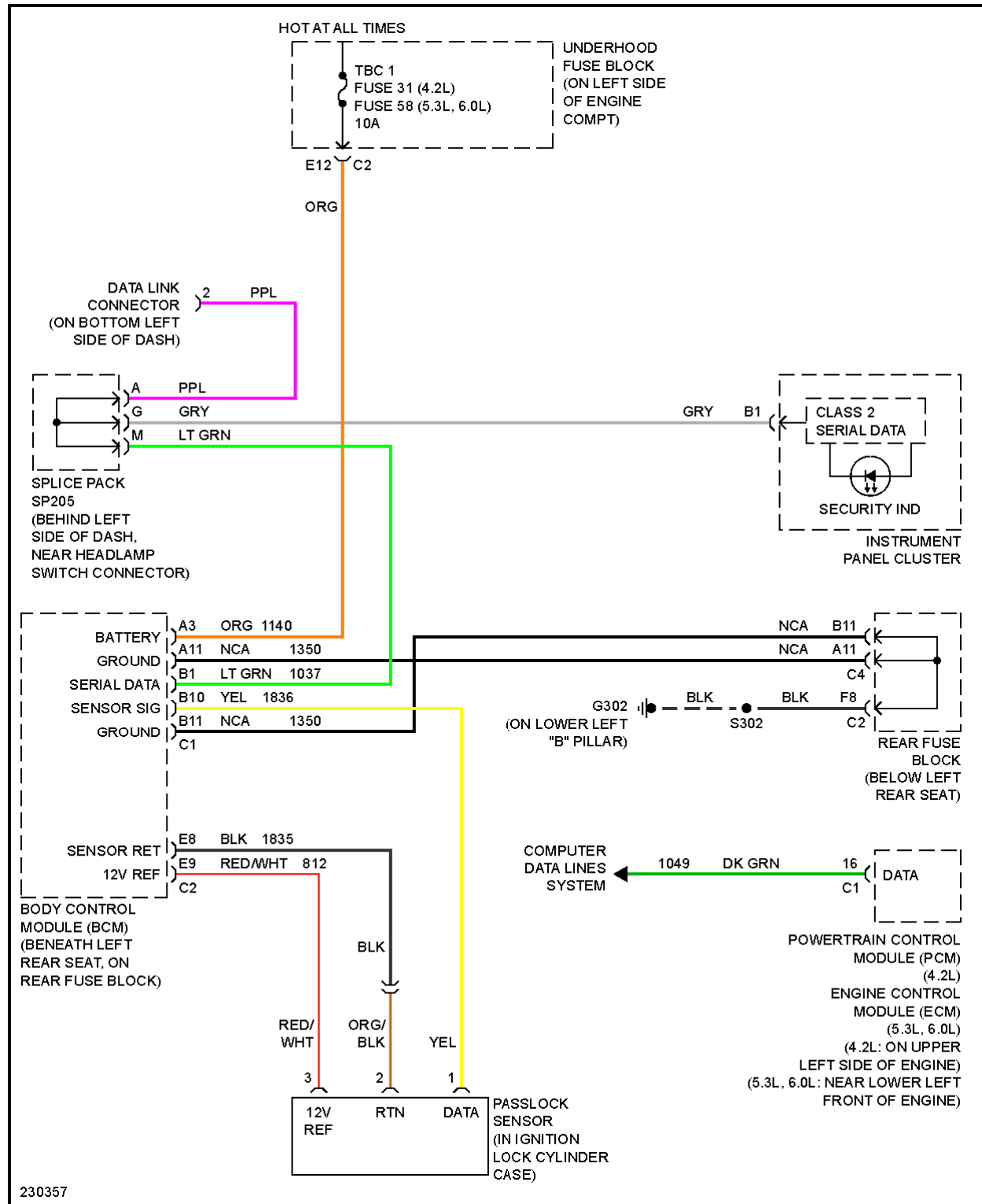


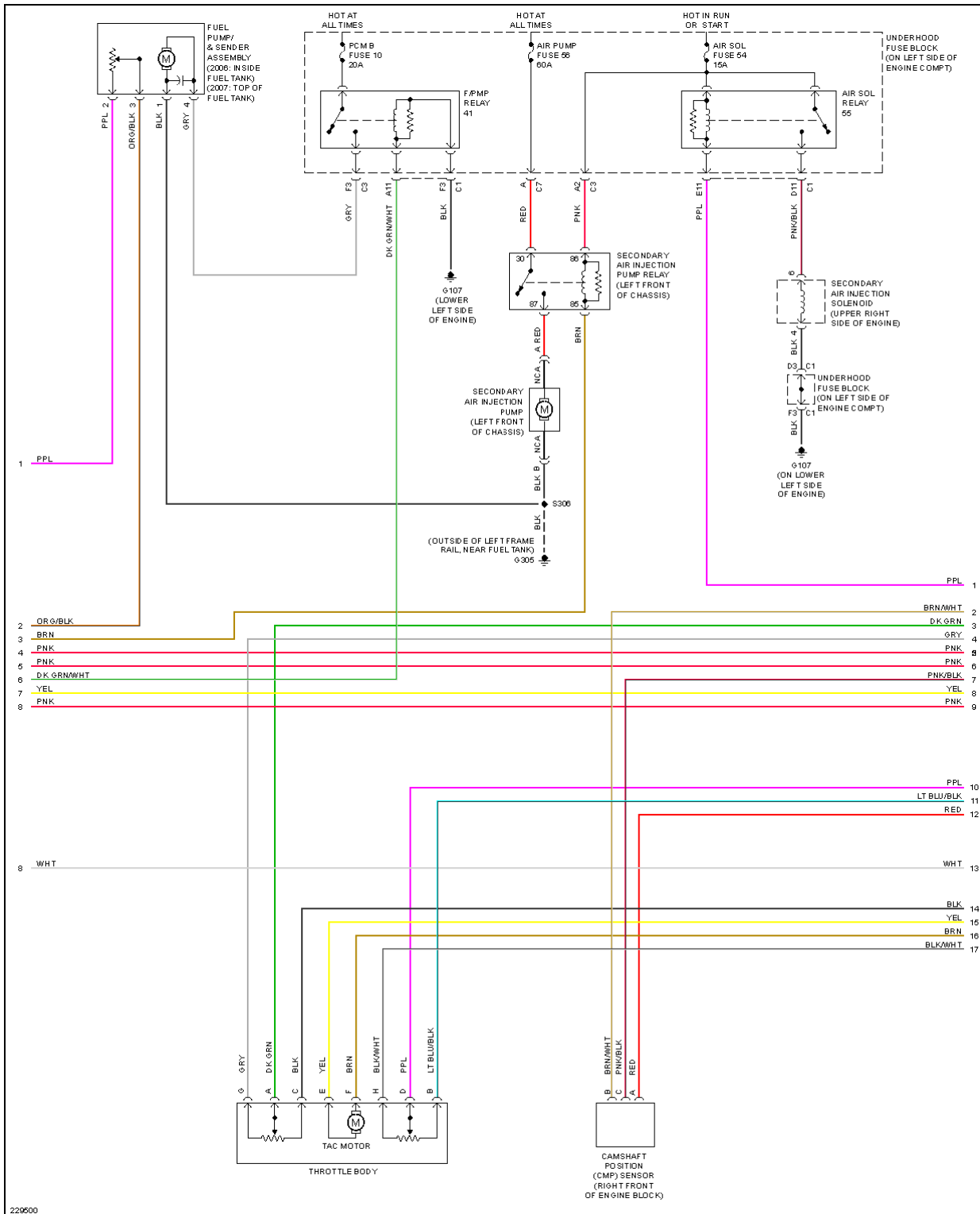
Fig. 9: Passlock Circuit



TrailBlazer

2006 SYSTEM WIRING DIAGRAMS Buick - Rainier

Fig. 18: 4.2L VIN S, Engine Performance Circuit (2 of 7)



2006 SYSTEM WIRING DIAGRAMS Buick - Rainier

This is a complex wiring diagram for a vehicle's electrical system, likely a truck or heavy-duty vehicle. It shows the following components and connections:

- Top Section:** Includes a "REAR FUSE BLOCK (BELOW LEFT REAR SEAT)" and a "PARK LAMP RELAY 30". It shows connections for "HOT AT ALL TIMES" and "HOT IN RUN OR START".
- Left Side:** Features a "BODY CONTROL MODULE (BCM) (BENEATH LEFT REAR SEAT, ON REAR FUSE BLOCK)" and a "HEADLAMP SWITCH". It also shows connections for "TRANSMISSION CONTROL MODULE" and "ENGINE CONTROL MODULE (ECM)".
- Center Section:** Includes a "HAZARD SWITCH" and "TURN SIGNAL/MULTI-FUNCTION SWITCH". It shows connections for "LEFT" and "RIGHT" turn signals and a "HAZARD" light.
- Right Side:** Features an "UNDERHOOD FUSE BLOCK (ON LEFT SIDE OF ENGINE COMP)" and a "TRAILER BRAKE WIRING (BLUNT CUT)". It shows connections for "TRAILER FUSE 32 30A" and "ELEG BRK FUSE 19 30A".
- Bottom Section:** Includes a "LEFT FRONT PARK/TURN SIGNAL LAMP" and a "RIGHT FRONT PARK/TURN SIGNAL LAMP". It shows connections for "LEFT FRONT TURN SIGNAL LAMP" and "RIGHT FRONT TURN SIGNAL LAMP".
- Wiring Colors:** The diagram uses various colors for wires, including red, blue, green, yellow, orange, and black. Some wires are labeled with "LT BLU" (Light Blue) or "DK BLU" (Dark Blue).
- Legend:** At the bottom left, there is a legend indicating that "A" represents Chevy/Buick and "B" represents GMC/Zisu.

UPPER RIGHT STEERING WHEEL CONTROL SWITCH ASSEMBLY
5
BLK

UPPER LEFT STEERING WHEEL CONTROL SWITCH ASSEMBLY
3
BLK

LOWER LEFT STEERING WHEEL CONTROL SWITCH ASSEMBLY
4
BLK

LOWER RIGHT STEERING WHEEL CONTROL SWITCH ASSEMBLY
4
BLK

STEERING WHEEL

IGNITION LOCK CYLINDER CONTROL ACTUATOR
B
BLK

INFATABLE RESTRAINT STEERING WHEEL MODULE COIL
BLK

S226 (GROUND CIRCUIT SPLICE, IN STEERING COLUMN)

(W/ AUTOMATIC TEMPERATURE CONTROLS) REAR BLOWER MOTOR
1
BLK

CONSOLE AUXILIARY POWER OUTLET
C
BLK

AUXILIARY HVAC CONTROL MODULE
B1
B16
(W/ O UKS)
(W/ UKS)

S307 (CONSOLE HARN)

W/ SHORT WHEELBASE
W/ LONG WHEELBASE

(W/ MANUAL TEMPERATURE CONTROLS) RECIRCULATION ACTUATOR
7
BLK

CIGAR LIGHTER
C
BLK

HEAD LAMP SWITCH
C1
BLK

(NOT USED)
F

DATA LINK CONNECTOR
4
BLK

TURN SIGNAL/HAZARD FLASHER MODULE
E
BLK

FRONT AUXILIARY POWER OUTLET
C
BLK

SPLICE PACK SP201 (LOWER RIGHT FRONT OF LOWER CONSOLE)

INSTRUMENT PANEL CLUSTER (IPC)
A5
BLK

REAR WINDOW WIPER/WASHER SWITCH
B
BLK

HVAC CONTROL MODULE
B0
C1
BLK

AUTOMATIC TRANSMISSION SHIFT LOCK ACTUATOR
A
BLK

(IF EQUIPPED) TRANSFER CASE SHIFT CONTROL SWITCH
D
BLK

BLK D
ELECTRONIC ADJUSTABLE PEDAL (EAP) RELAY (IF EQUIPPED)

S211 (UP HARN, 10 CM FROM SP201 BREAKOUT)

W/ SHORT WHEELBASE
CONSOLE AUXILIARY POWER OUTLET
C
BLK
W/ AUTOMATIC TEMPERATURE CONTROLS
AUXILIARY HVAC CONTROL MODULE
A4
BLK
W/ MANUAL TEMPERATURE CONTROLS
AUXILIARY HVAC CONTROL MODULE
7
BLK
S307 (CONSOLE HARN)

BLOWER MOTOR CONTROL MODULE
C
BLK
W/ AUTOMATIC TEMPERATURE CONTROLS
BLOWER MOTOR RESISTOR ASSEMBLY
E
BLK
W/ MANUAL TEMPERATURE CONTROLS

Fig. 44: Instrument Illumination Circuit (2 of 2)

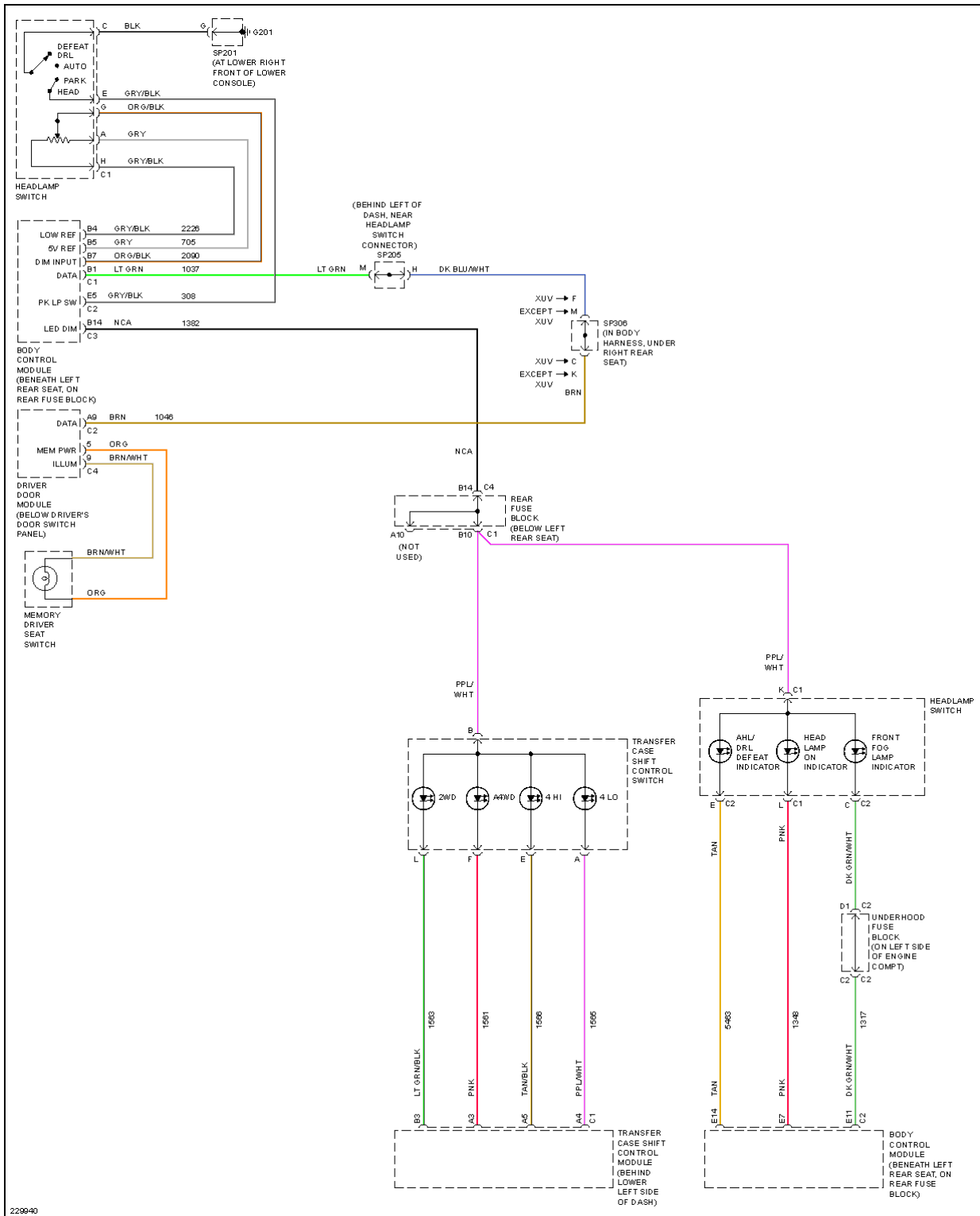


Fig. 58: 8 Way Adjustable Power Seat Circuit

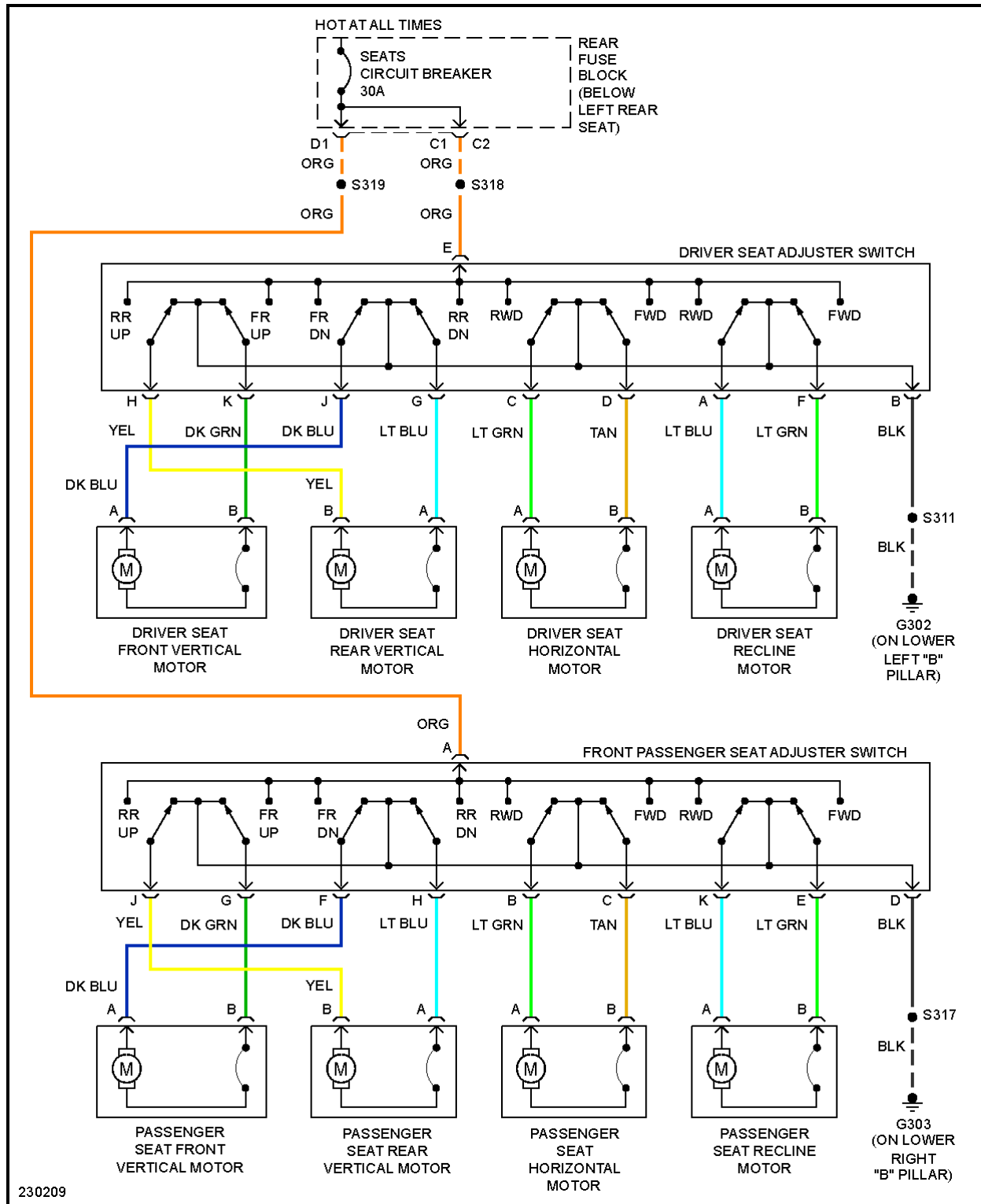
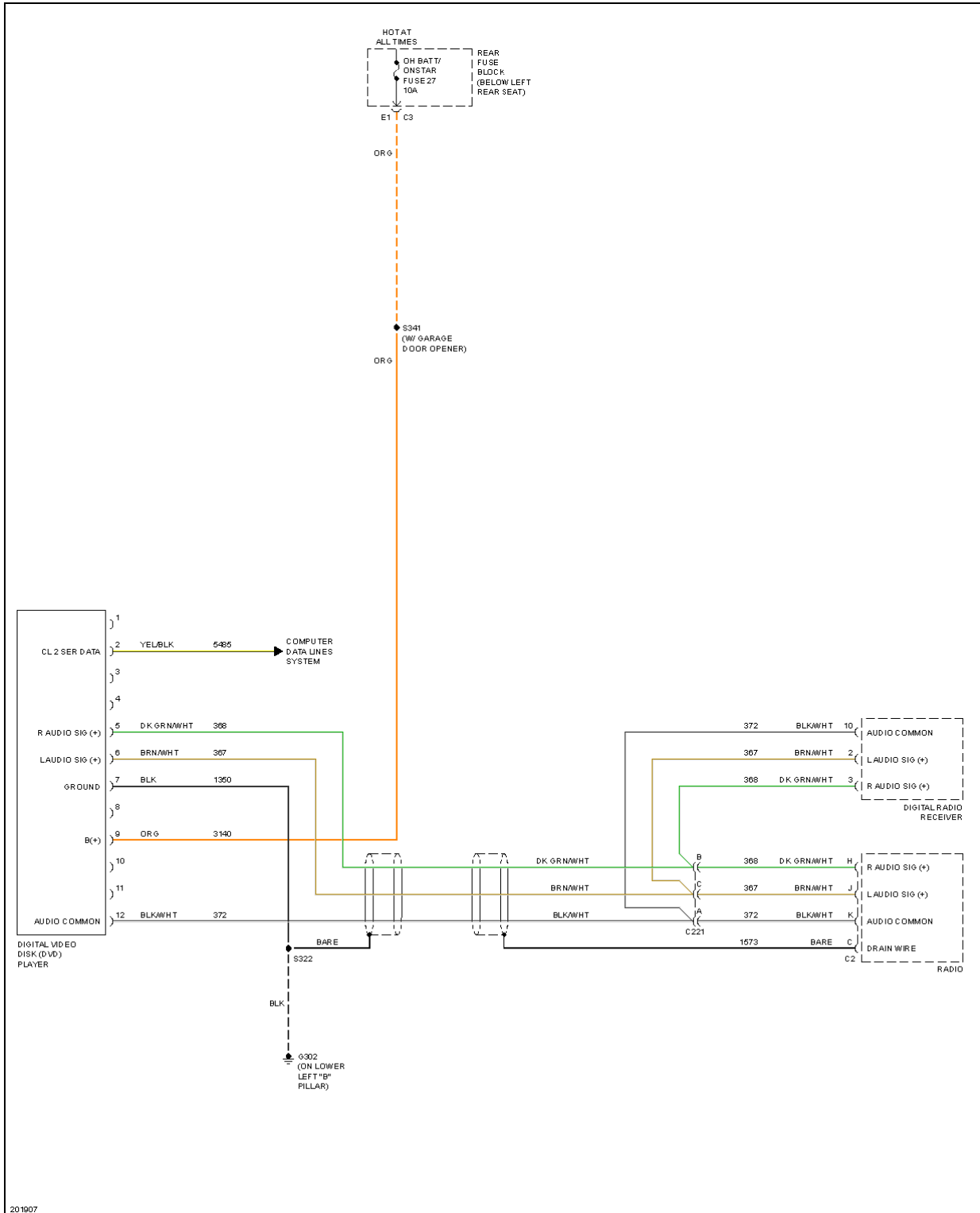


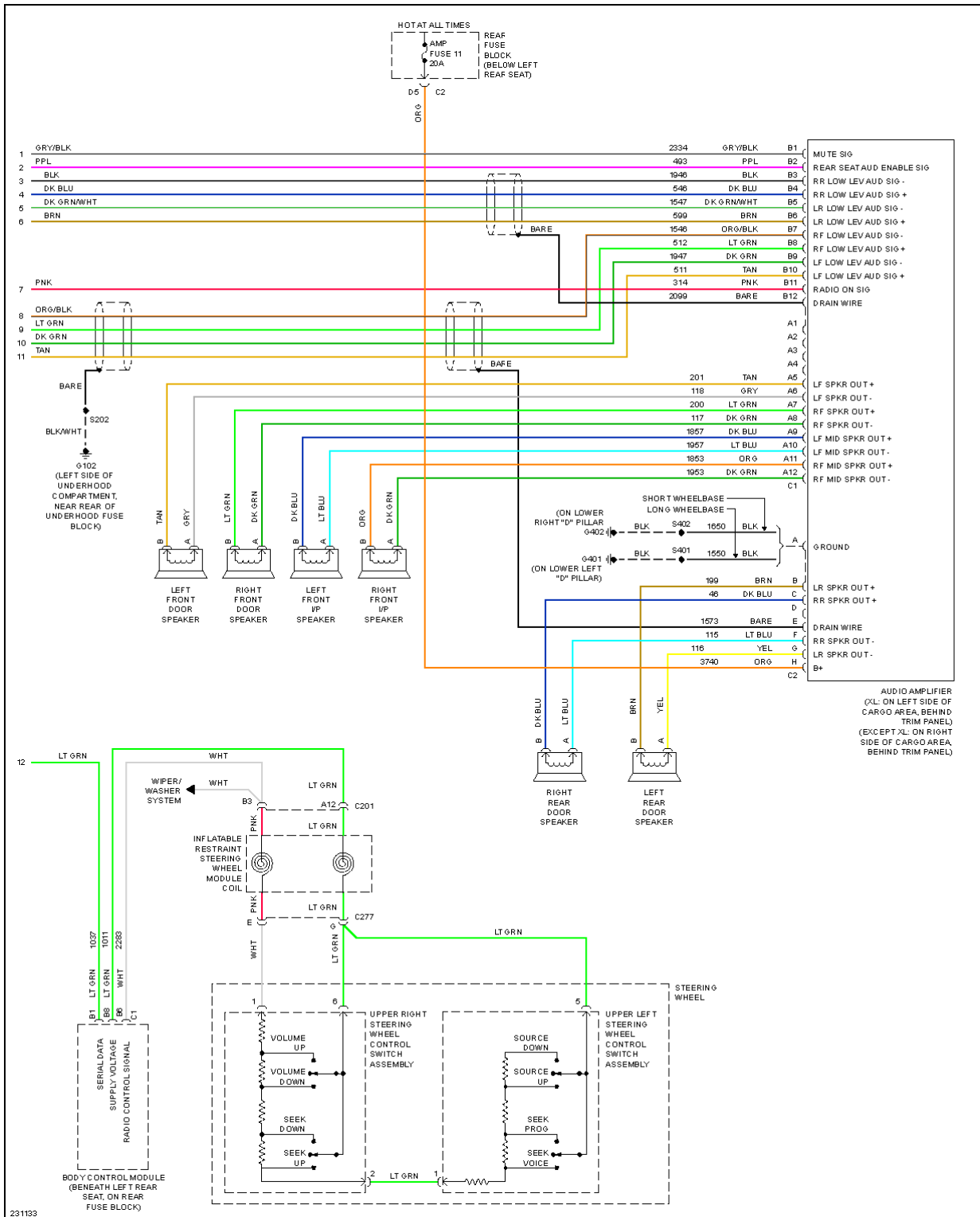
Fig. 68: DVD Player Circuit



TrailBlazer

2006 SYSTEM WIRING DIAGRAMS Buick - Rainier

Fig. 72: Premium Sound Radio Circuit, W/O Rear Seat Audio (2 of 2)



2006 SYSTEM WIRING DIAGRAMS Buick - Rainier

Wiring Diagram Details:

- Underhood Fuse Block:**
 - ING E FUSE 10A (HOT IN RUN OR START)
 - ATC FUSE 30A (HOT AT ALL TIMES)
 - 4WD FUSE 15A (HOT IN RUN)
- Instrument Panel Cluster (IPC):**
 - LOGIC
 - SERVICE 4WD / 4WD
- Powertrain Control Module (PCM):**
 - 4.2L
 - ENGINE CONTROL MODULE (ECM)
 - 5.3L 6.0L
 - 4.2L ON UPPER LEFT SIDE OF ENGINE
 - 5.3L 6.0L NEAR LOWER LEFT FRONT OF ENGINE
- Engine Control Module (ECM):**
 - 5.3L 6.0L
- Transfer Case Shift Control Module:**
 - NEUT
 - 4LO
 - 4HI
 - AFWD
 - 2WD
- Sensors and Actuators:**
 - PROP SHAFT SPEED SENSOR (RIGHT REAR) (ON RIGHT REAR OF TRANSFER CASE)
 - PROP SHAFT SPEED SENSOR (LEFT FRONT) (ON LEFT FRONT OF TRANSFER CASE)
 - TRANSFER CASE ENCODER MOTOR (ON TOP OF TRANSFER CASE)
 - FRONT AXLE ACTUATOR (ON INNER FLANGE OF RIGHT FRONT AXLE)
- Wiring Connections:**
 - CLASS 2 DATA: A1 DK GRN/WHT 1133, A2 LT BLU 1200, A3 PNK 1561, A4 PPL/WHT 1565, A5 TAN/BLK 1566, A6 LT BLU 1563, A7 BLK/WHT 1554, A8, B1, B2 TAN 1560, B3 LT GRN/BLK 1563, B4 BRN 1560, B5 GRY/BLK 1694, B6 BRN/WHT 1555, B7, B8 BLK/WHT 751, C1, C2, C3.
 - AXLE ACT: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - AFWD IND: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - 4LO IND: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - 4HI IND: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - SW SIG: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - ENCODER 4ND: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - LOCK SOL: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - 2 HI IND: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - NEUTRAL IND: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - 4WD LO SIG: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - ENCODER P: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - GROUND: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - FRONT SIG LO: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - FRONT SIG HI: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - REAR SIG HI: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - REAR SIG LO: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - AXLE SW: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - +5V REF: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - GROUND BATTERY: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - MOTOR CTRLA: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - MOTOR CTRLB: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - TRANSFER CASE SHIFT CONTROL MODULE (BEHIND LOWER LEFT SIDE OF DASH): A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - INTERIOR LIGHTS: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.
 - TRANSFER CASE SHIFT CONTROL SWITCH: A1 PPL 401, A2 YEL 400, A3, A4, A5, A6, A7, A8, B1, B2 DK GRN 2221, B3, B4, B5, B6 BLK/WHT 1695, B7, B8 GRY 506, C2.

2002 Chevrolet TrailBlazer

ENGINE PERFORMANCE WIRING DIAGRAMS

Fig. 96: PCM Wiring Diagram (Bravada, Envoy, Envoy XL & Trailblazer - 4.2L - 4 Of 5)

