

AIR CONDITIONING > 1.6L TURBO

Fig 1: 1.6L Turbo, Automatic A/C Circuit (1 of 2)

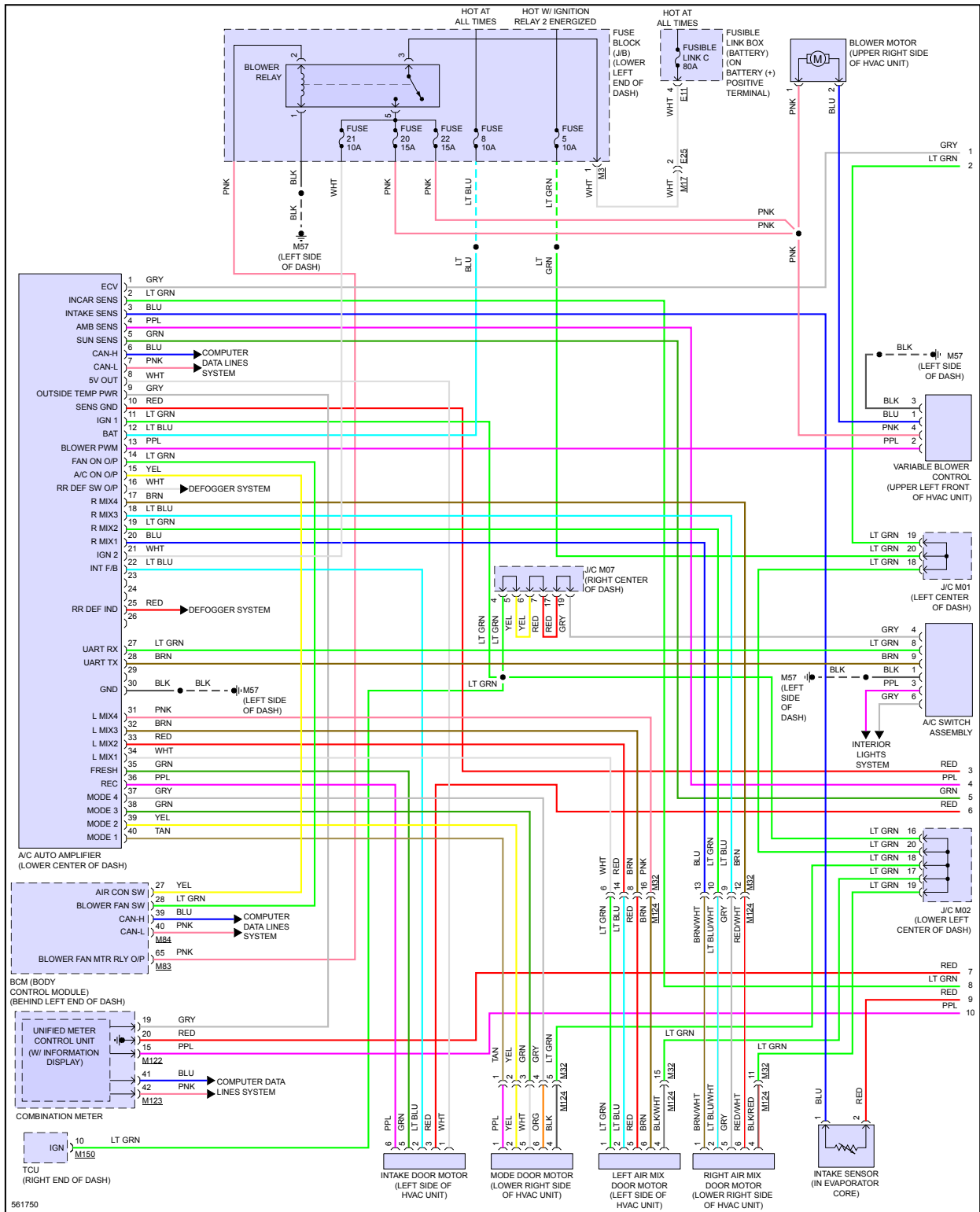


Fig 2: 1.6L Turbo, Automatic A/C Circuit (2 of 2)

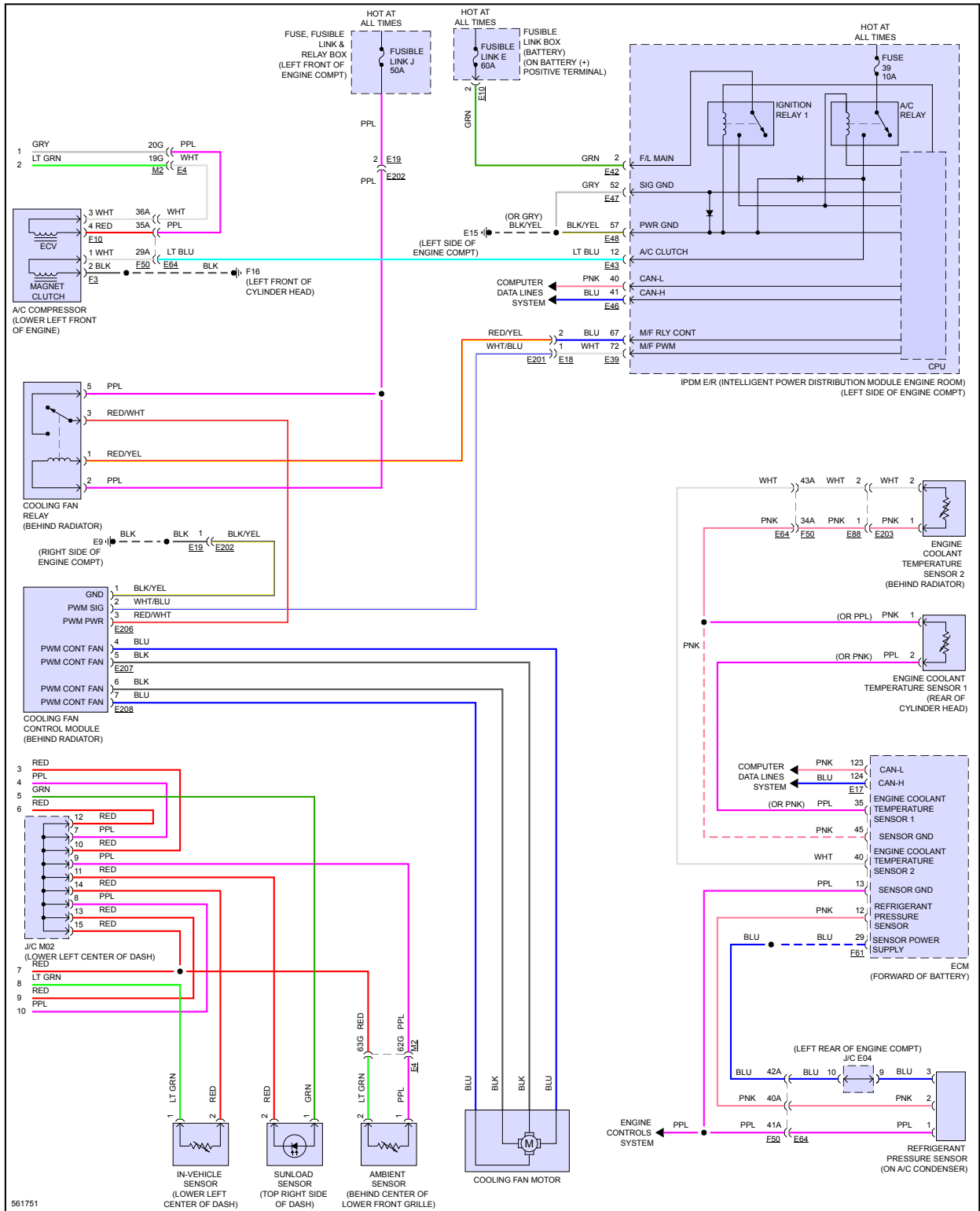
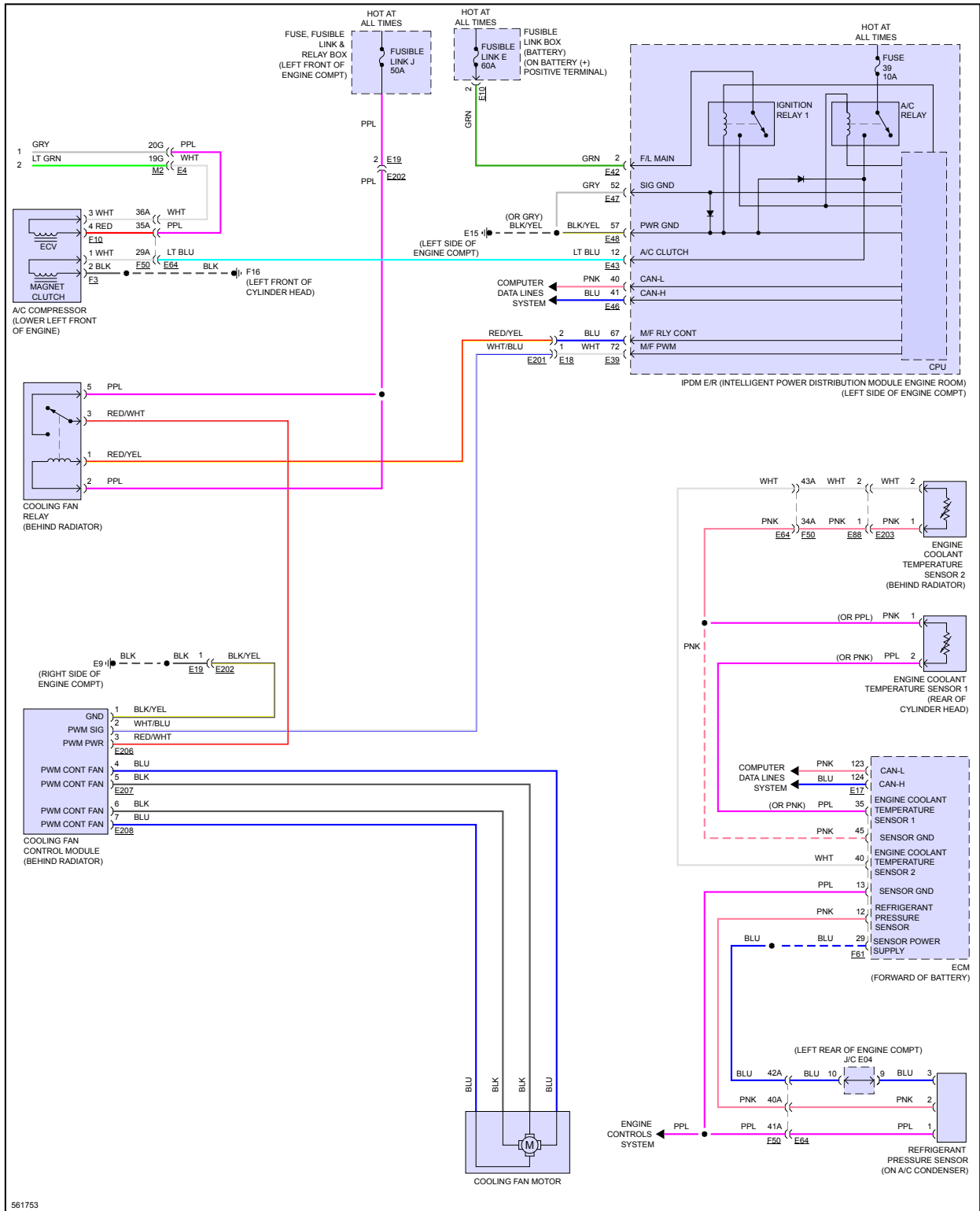


Fig 3: 1.6L Turbo, Manual A/C Circuit (1 of 2)



Fig 4: 1.6L Turbo, Manual A/C Circuit (2 of 2)



FUSE, FUSIBLE LINK & RELAY BOX (LEFT FRONT OF ENGINE COMPT)

FUSE 19G
FUSIBLE LINK J 40A
FUSE 36A
FUSE 35A
FUSE 29A
FUSE 100A

HOT AT ALL TIMES

HOT AT ALL TIMES

FUSIBLE LINK BOX (BATTERY) (ON BATTERY (+) POSITIVE TERMINAL)

IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) (LEFT SIDE OF ENGINE COMPT)

COMPONENTS AND WIRING:

- A/C COMPRESSOR (LOWER LEFT FRONT OF ENGINE):** 3 WHT 36A, 4 RED 35A, 1 WHT 29A, 2 BLK E50. Wires: WHT, RED, BLU, BLK.
- ECM (FORWARD OF BATTERY):** 99 PNK, 100 BLU, 124 PPL, 103 LT GRN, 104 BLU, E10, 27 LT GRN, 28 PPL, E24. Wires: PNK, BLU, PPL, LT GRN, BLU.
- ENGINE COOLANT TEMPERATURE SENSOR (RIGHT REAR OF CYLINDER HEAD):** 3 BLU, 2 LT GRN, 1 PPL. Wires: BLU, LT GRN, PPL.
- REFRIGERANT PRESSURE SENSOR (ON A/C CONDENSER):** 3 RED, 4 PPL, 5 GRN, 6 RED. Wires: RED, PPL, GRN.
- J/C M02 (LOWER LEFT CENTER OF DASH):** 7 RED, 8 LT GRN, 9 RED, 10 PPL. Wires: RED, LT GRN, PPL.
- IN-VEHICLE SENSOR (LOWER LEFT CENTER OF DASH):** 1 LT GRN, 2 RED. Wires: LT GRN, RED.
- SUNLOAD SENSOR (TOP RIGHT SIDE OF DASH):** 2 RED, 1 GRN. Wires: RED, GRN.
- AMBIENT SENSOR (BEHIND CENTER OF LOWER FRONT GRILLE):** 2 LT GRN, 1 PPL, 63G RED, 62G PPL. Wires: LT GRN, PPL, RED.
- COOLING FAN MOTOR (BEHIND RADIATOR):** 4 BLU, 2 LT GRN, 1 YEL, 3 BLK. Wires: BLU, LT GRN, YEL, BLK.

IPDM E/R TERMINALS:

- F/L MAIN
- F/L MOTOR FAN
- SIG GND
- PWR GND
- A/C CLUTCH
- CAN-L
- CAN-H
- MOTOR FAN 3
- MOTOR FAN 1
- MOTOR FAN 2
- COOLING FAN RELAY 1
- COOLING FAN RELAY 2
- COOLING FAN RELAY 3

WIRE COLORS AND TERMINALS:

- GRN 2
- PPL 24
- BLK/YEL 52
- BLK/YEL 57
- LT BLU 12
- PNK 40
- BLU 41
- BLU 56
- LT GRN 21
- YEL 23
- BLK

Legend:

- WHT
- RED
- BLU
- LT GRN
- GRN
- YEL
- BLK

561755

Fig 4: 1.8L, Manual A/C Circuit (2 of 2)

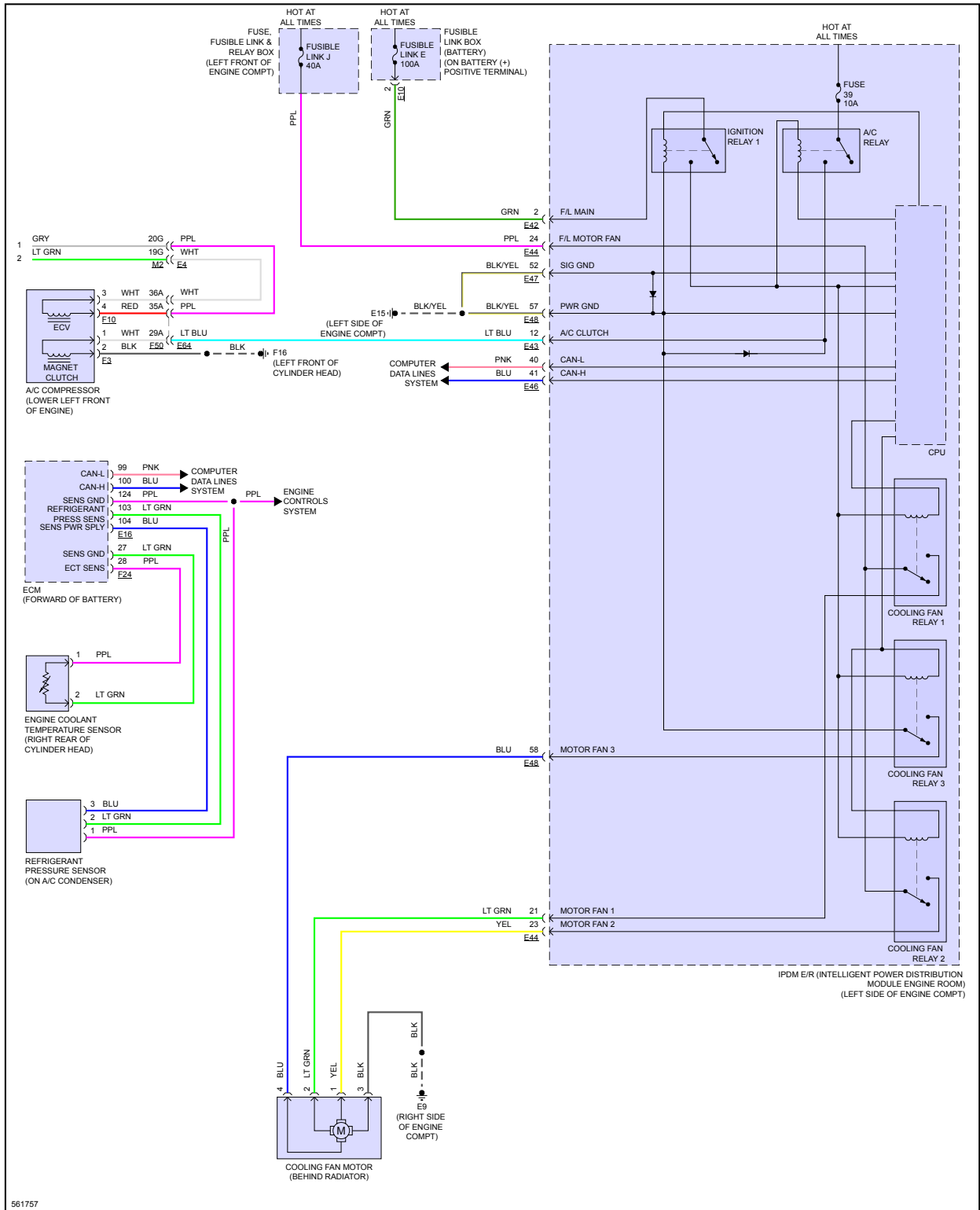
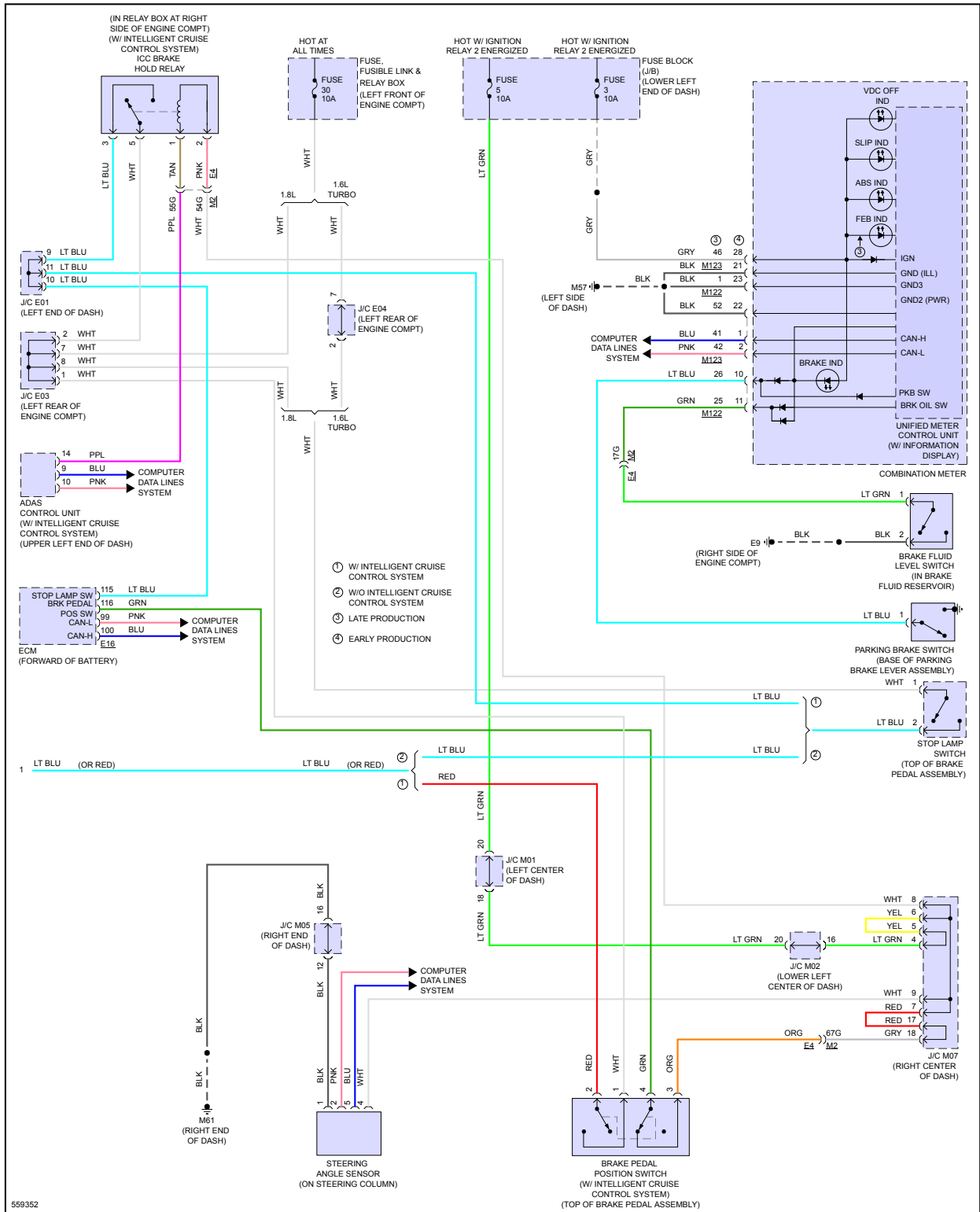


Fig 1: Anti-lock Brakes Circuit (1 of 2)



Fig 2: Anti-lock Brakes Circuit (2 of 2)



ANTI-THEFT

Fig 1: Forced Entry Circuit, W/ Intelligent Key Unit (1 of 3)

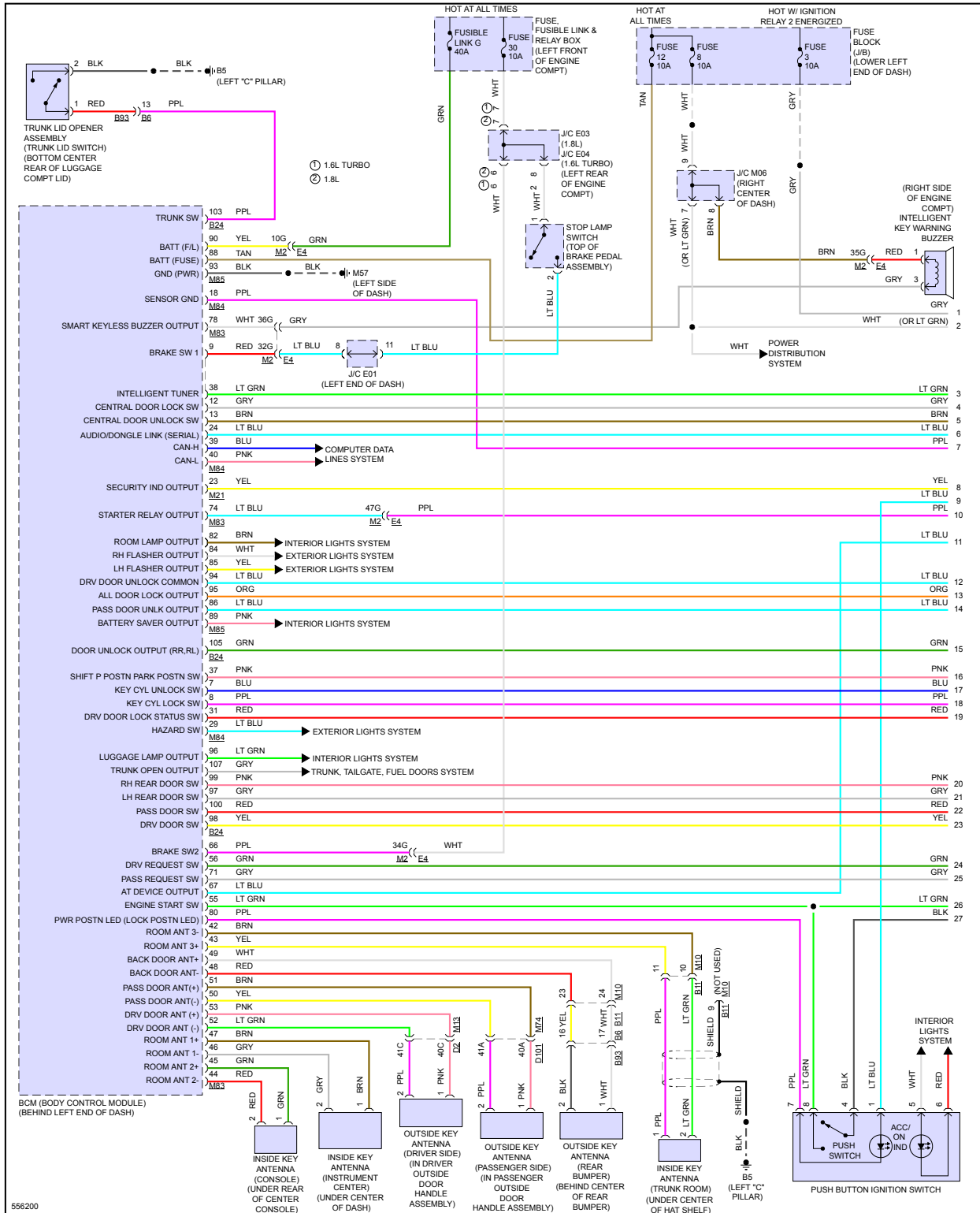


Fig 2: Forced Entry Circuit, W/ Intelligent Key Unit (2 of 3)

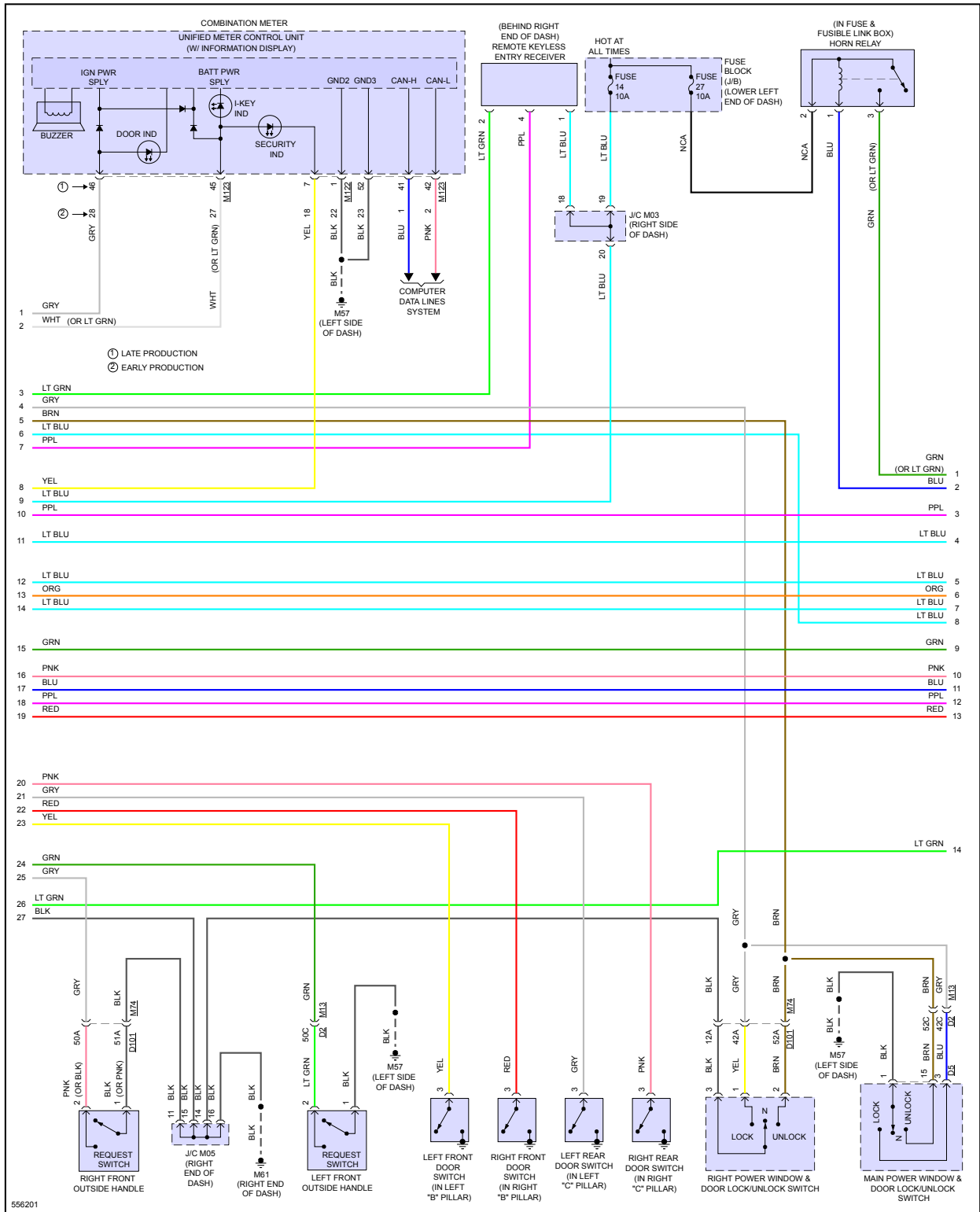


Fig 3: Forced Entry Circuit, W/ Intelligent Key Unit (3 of 3)

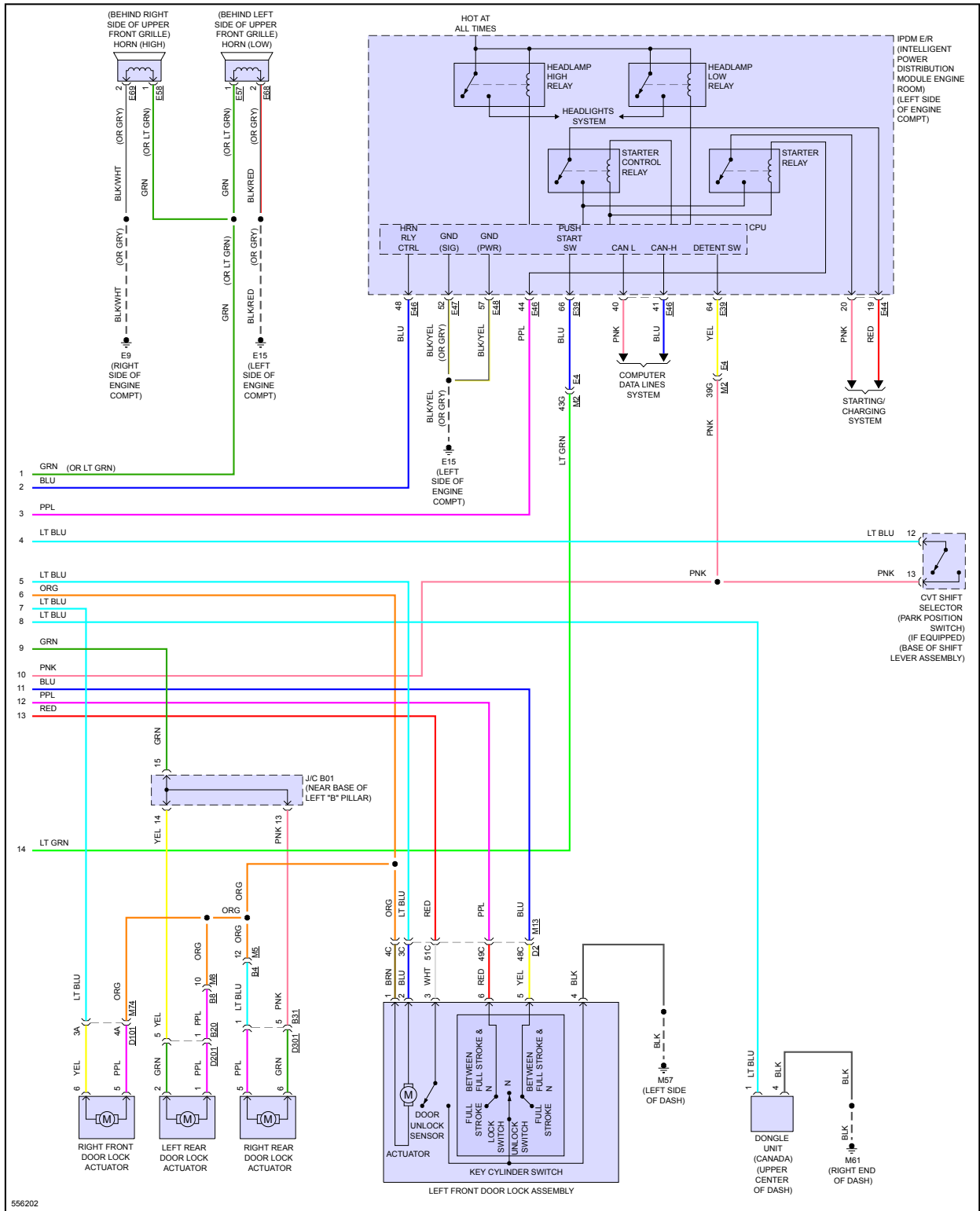


Fig 5: Forced Entry Circuit, W/O Intelligent Key Unit (2 of 3)

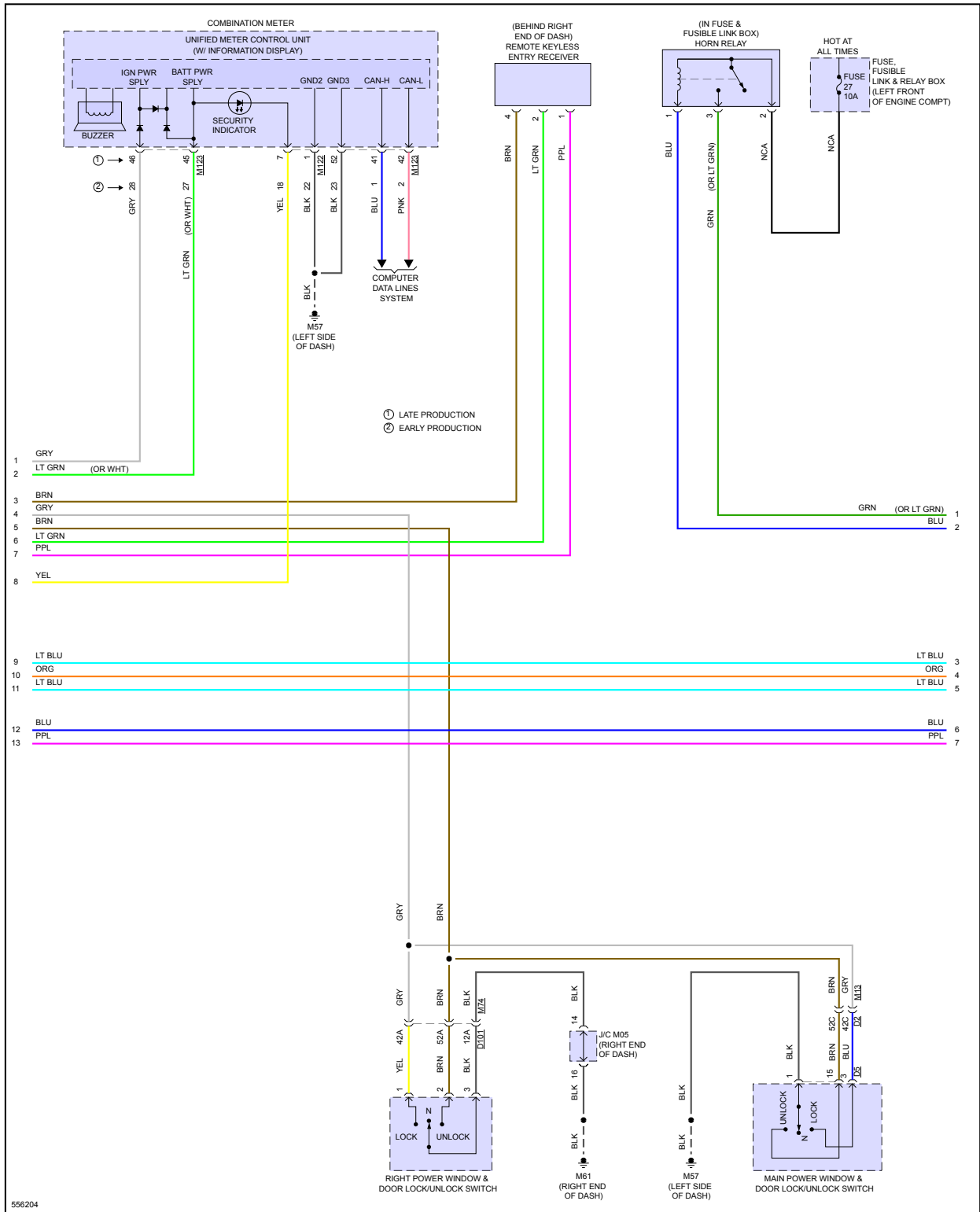


Fig 6: Forced Entry Circuit, W/O Intelligent Key Unit (3 of 3)

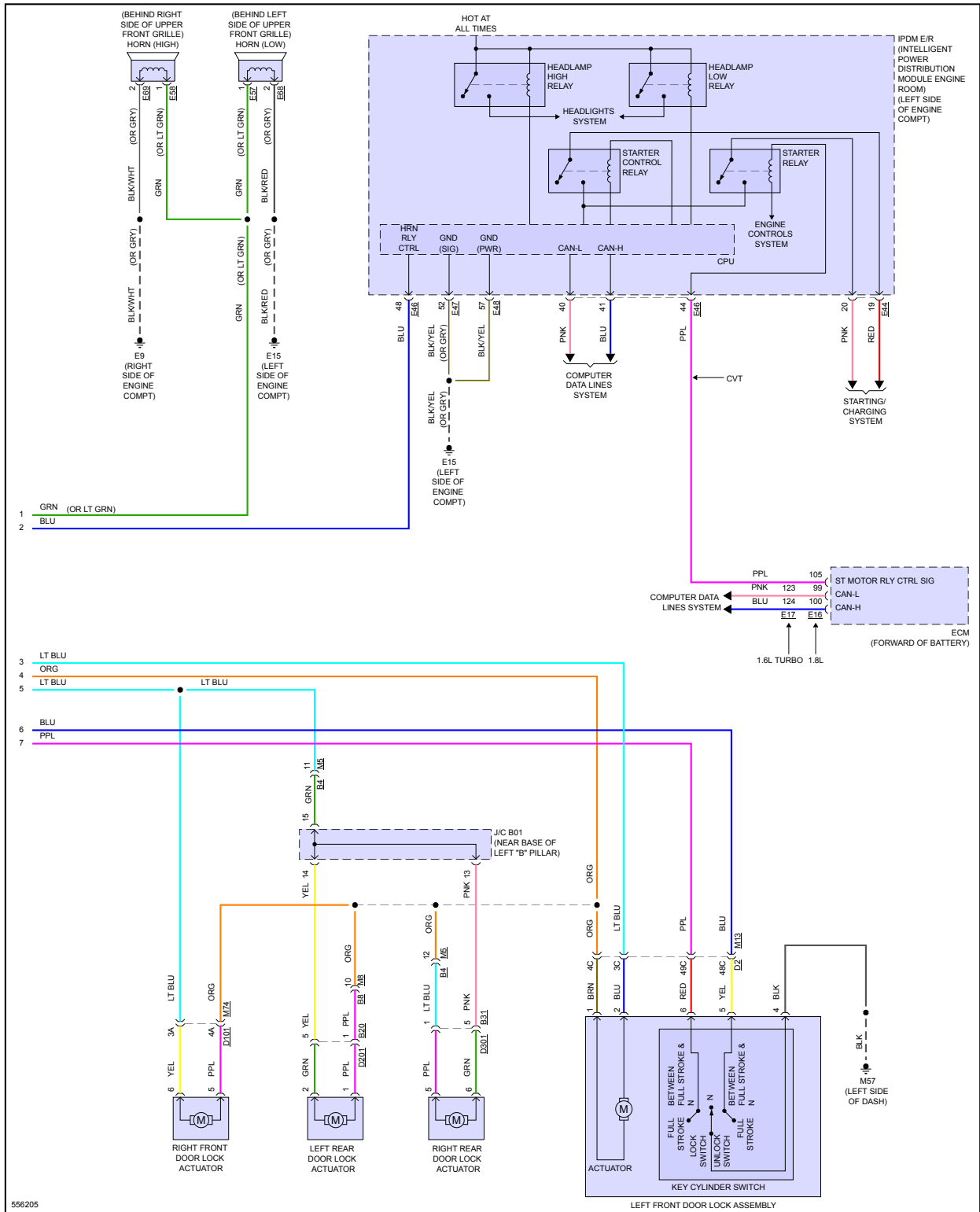


Fig 7: Immobilizer Circuit

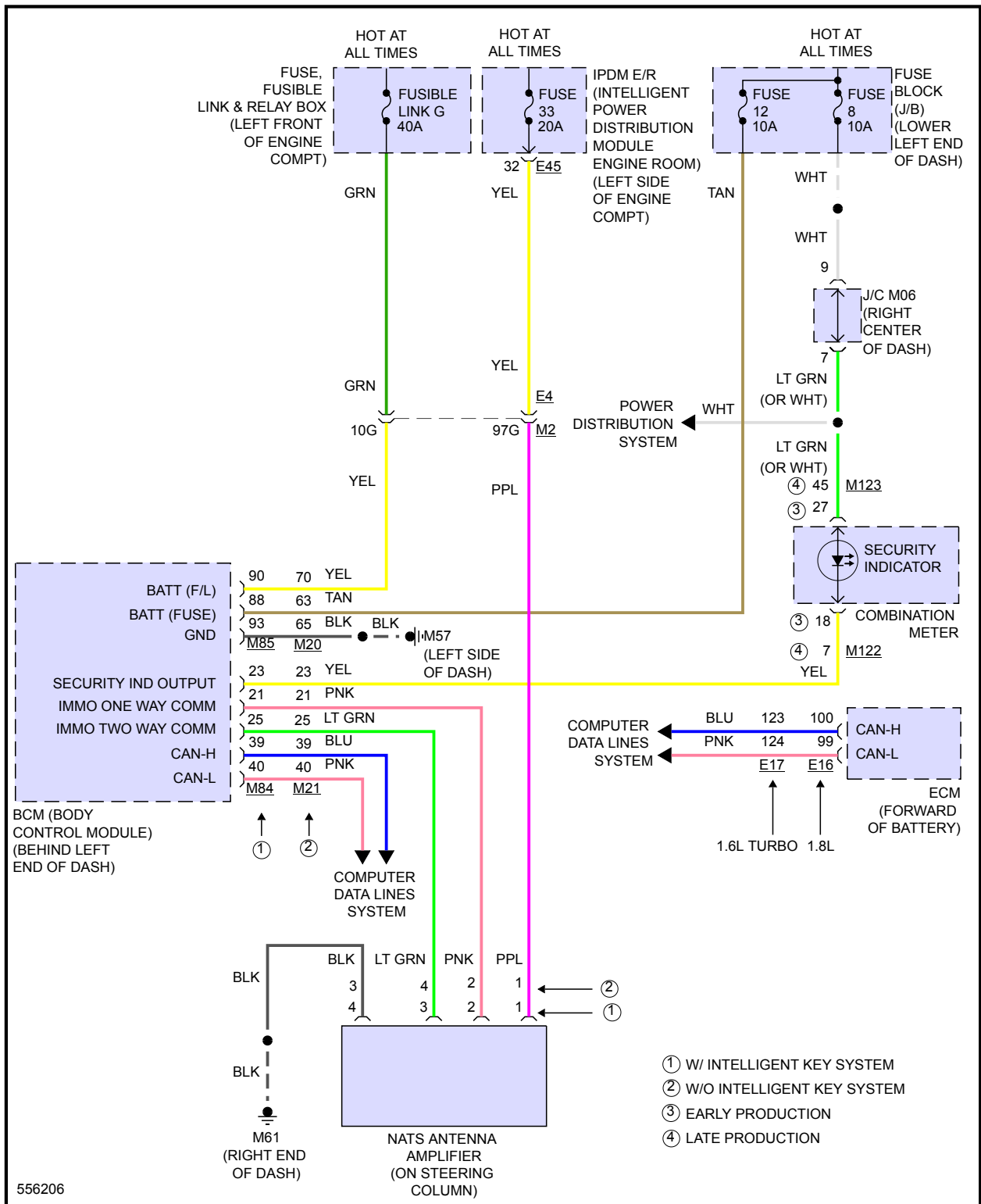


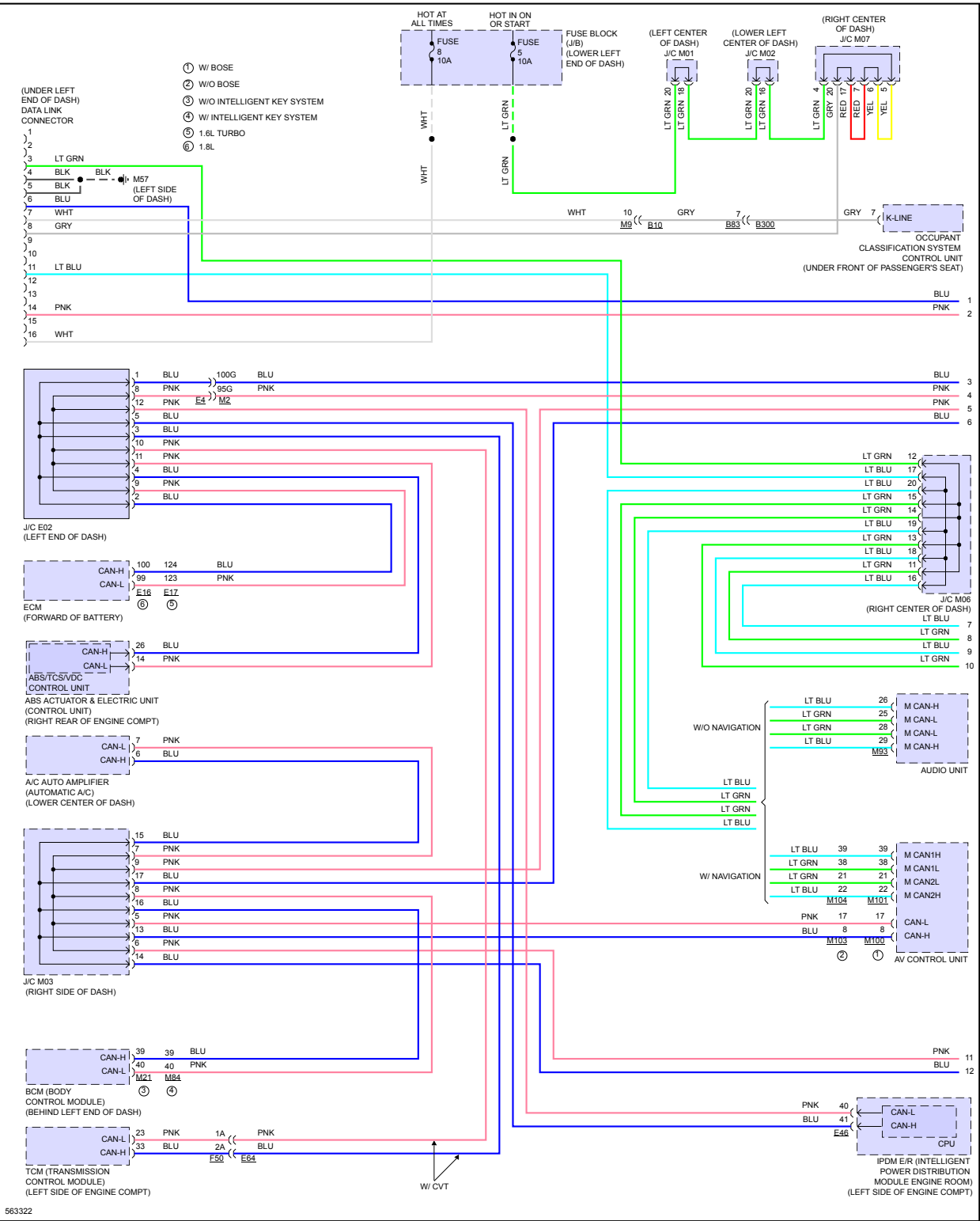
Fig 1: Body Control Modules Circuit, W/ Intelligent Key



[illegible]

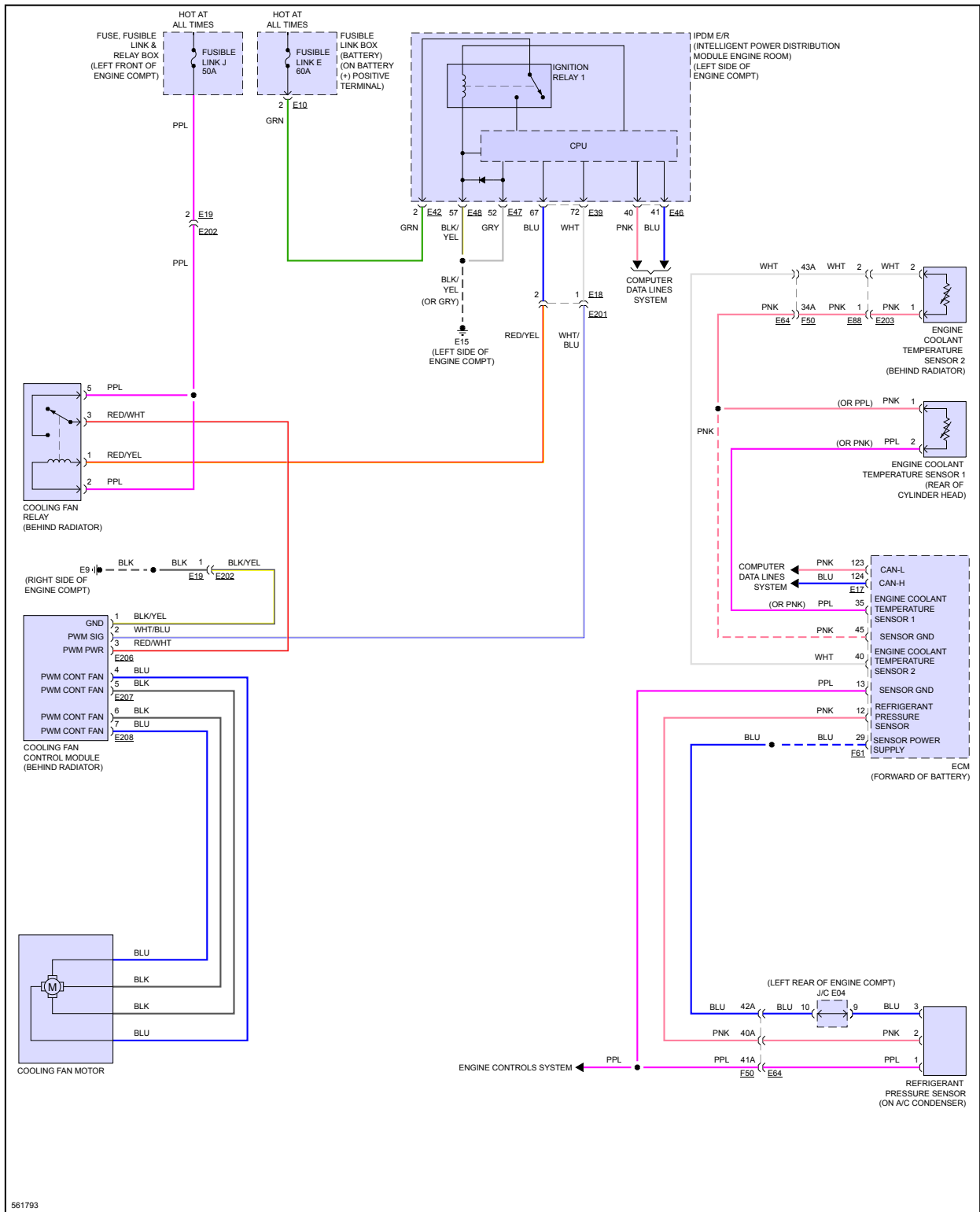
COMPUTER DATA LINES

Fig 1: Computer Data Lines Circuit (1 of 2)



COOLING FAN > 1.6L TURBO

Fig 1: 1.6L Turbo, Cooling Fan Circuit



COOLING FAN > 1.8L

Fig 1: 1.8L, Cooling Fan Circuit

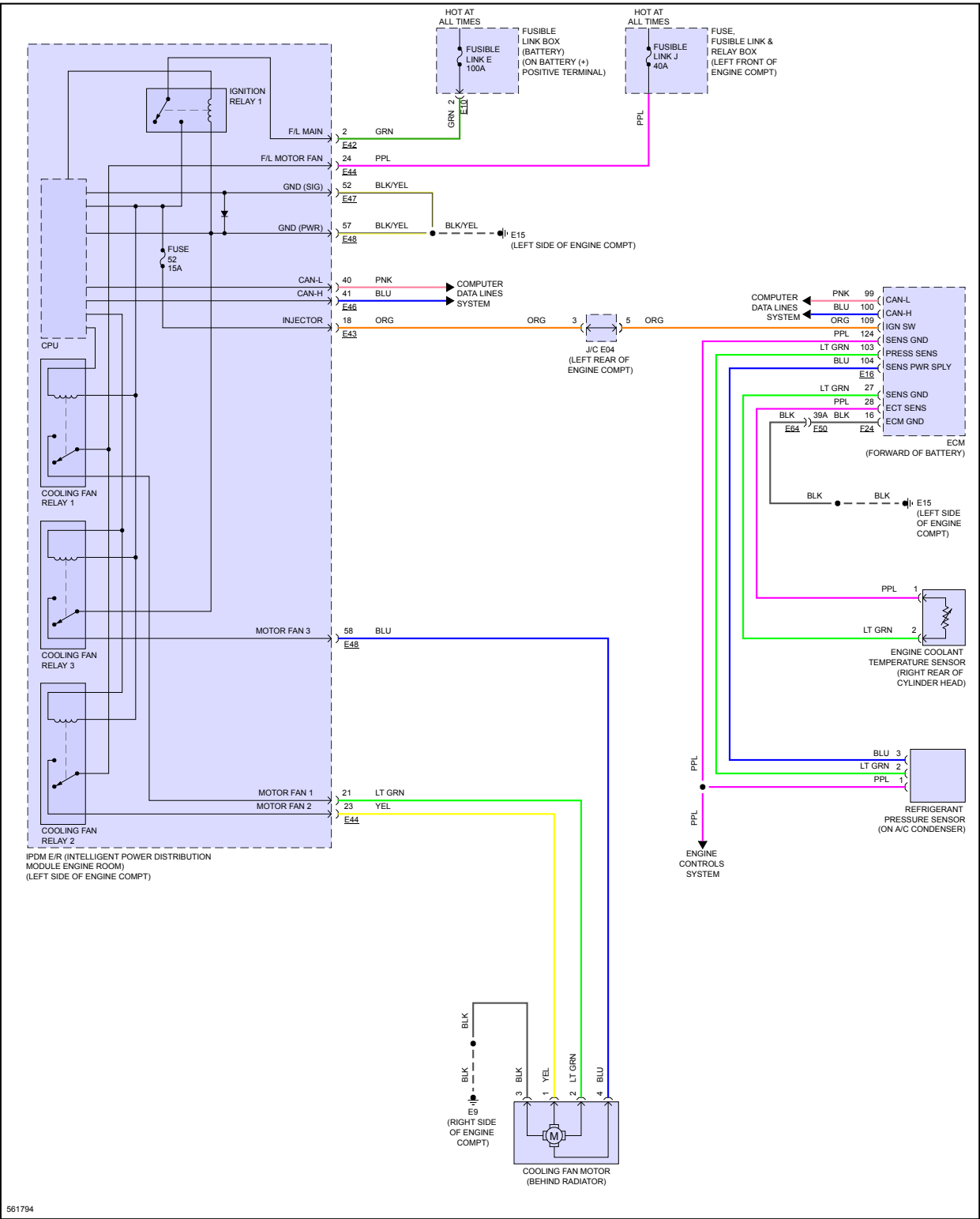


Fig 1: Cruise Control Circuit (1 of 3)

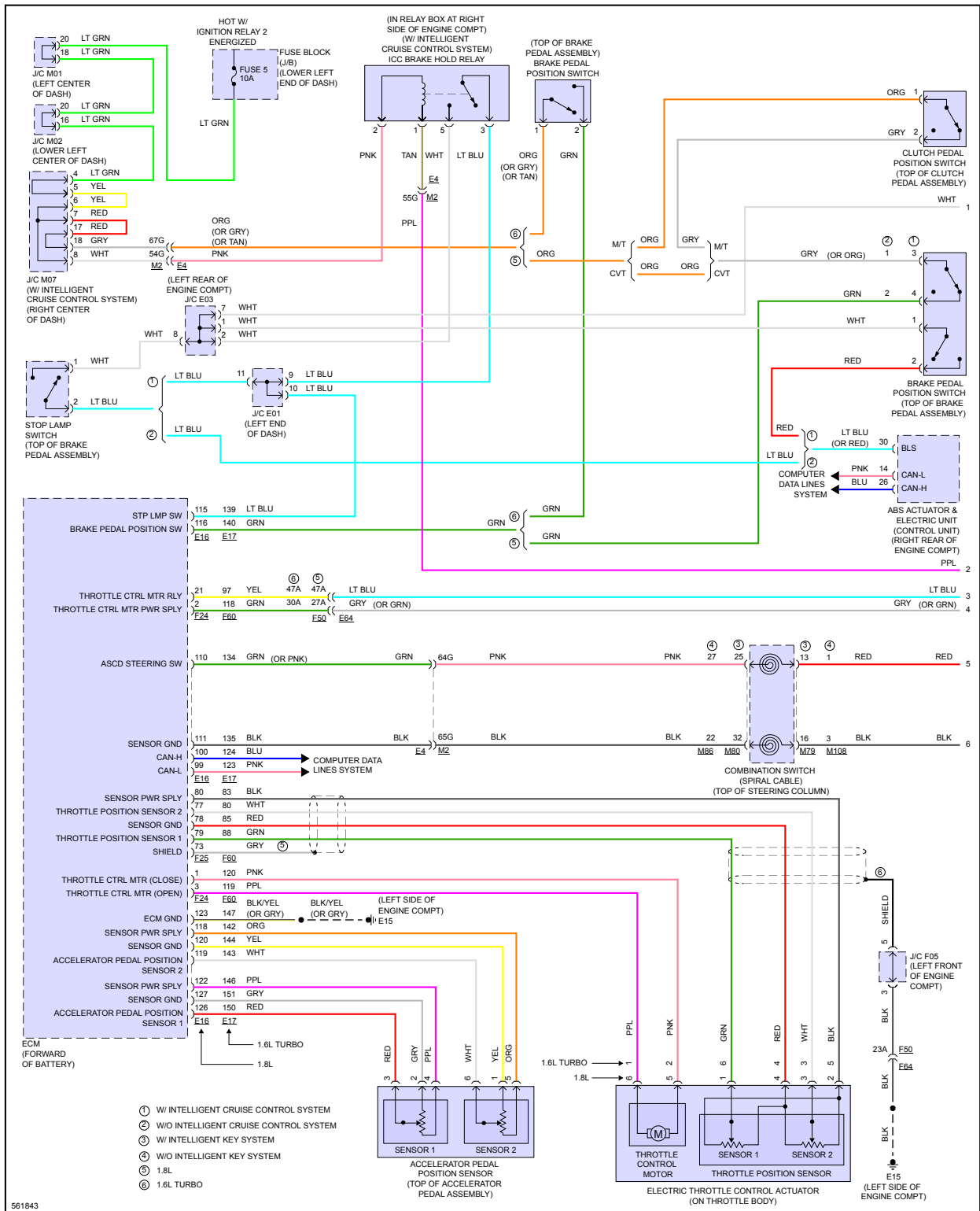


Fig 2: Cruise Control Circuit (2 of 3)

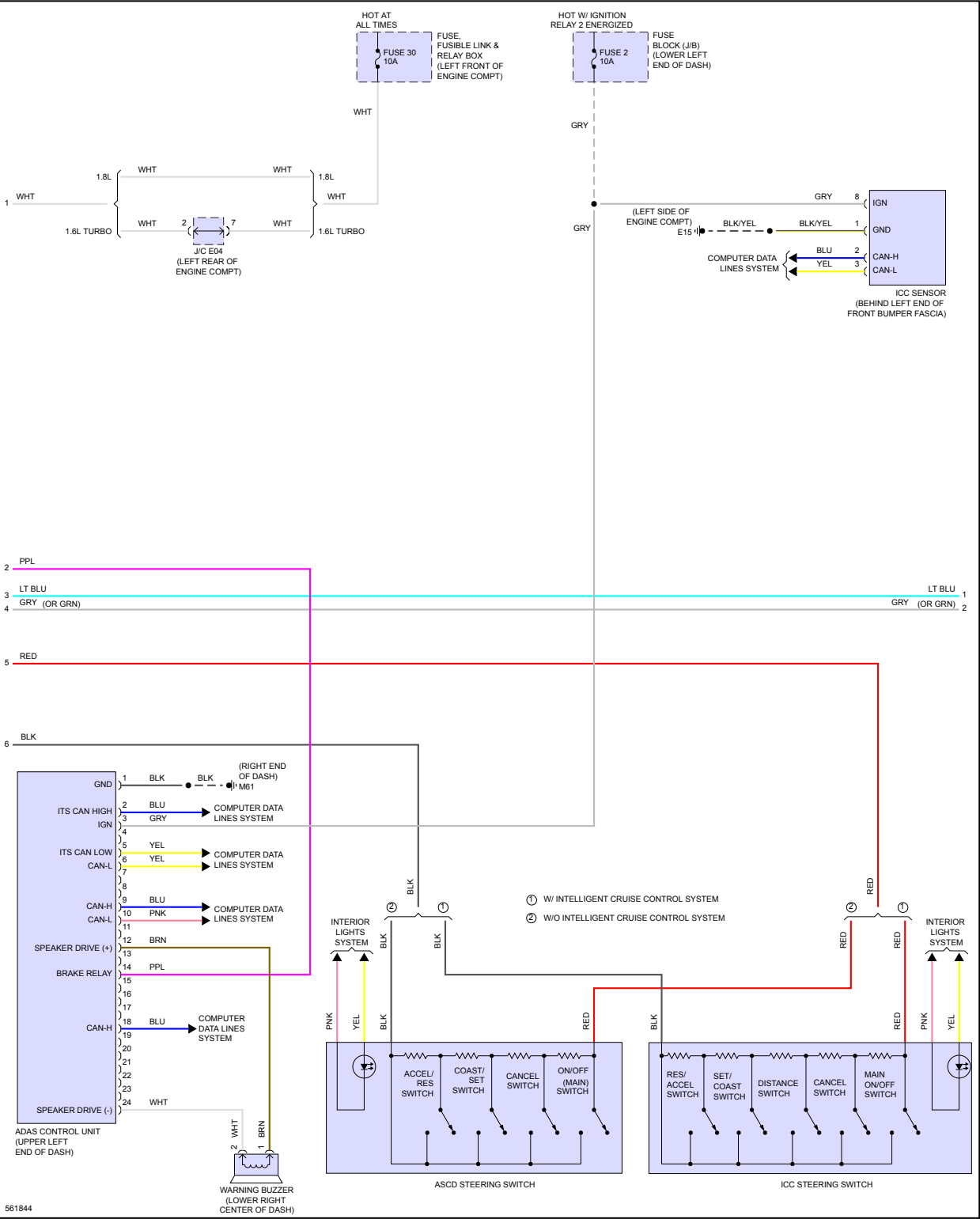
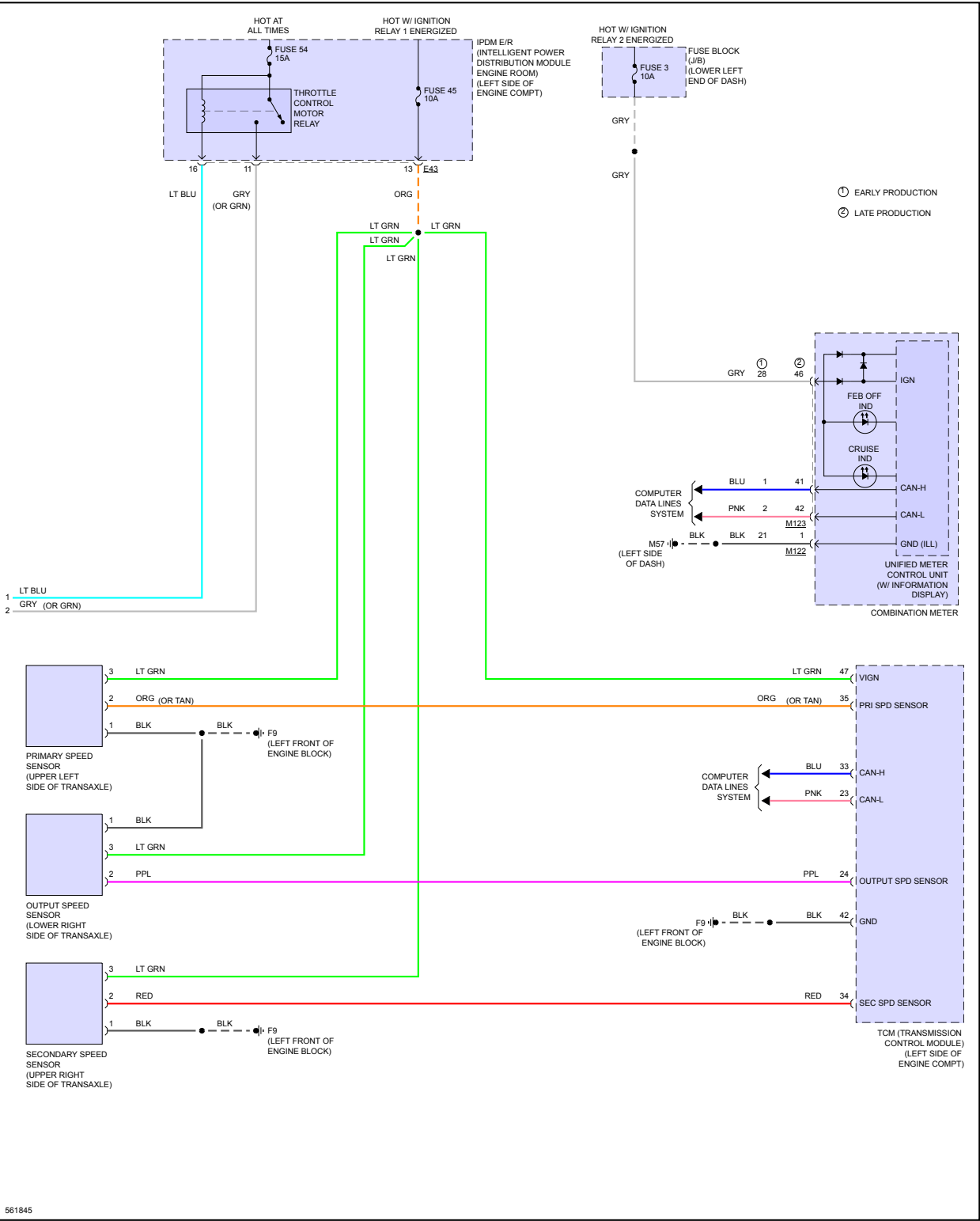
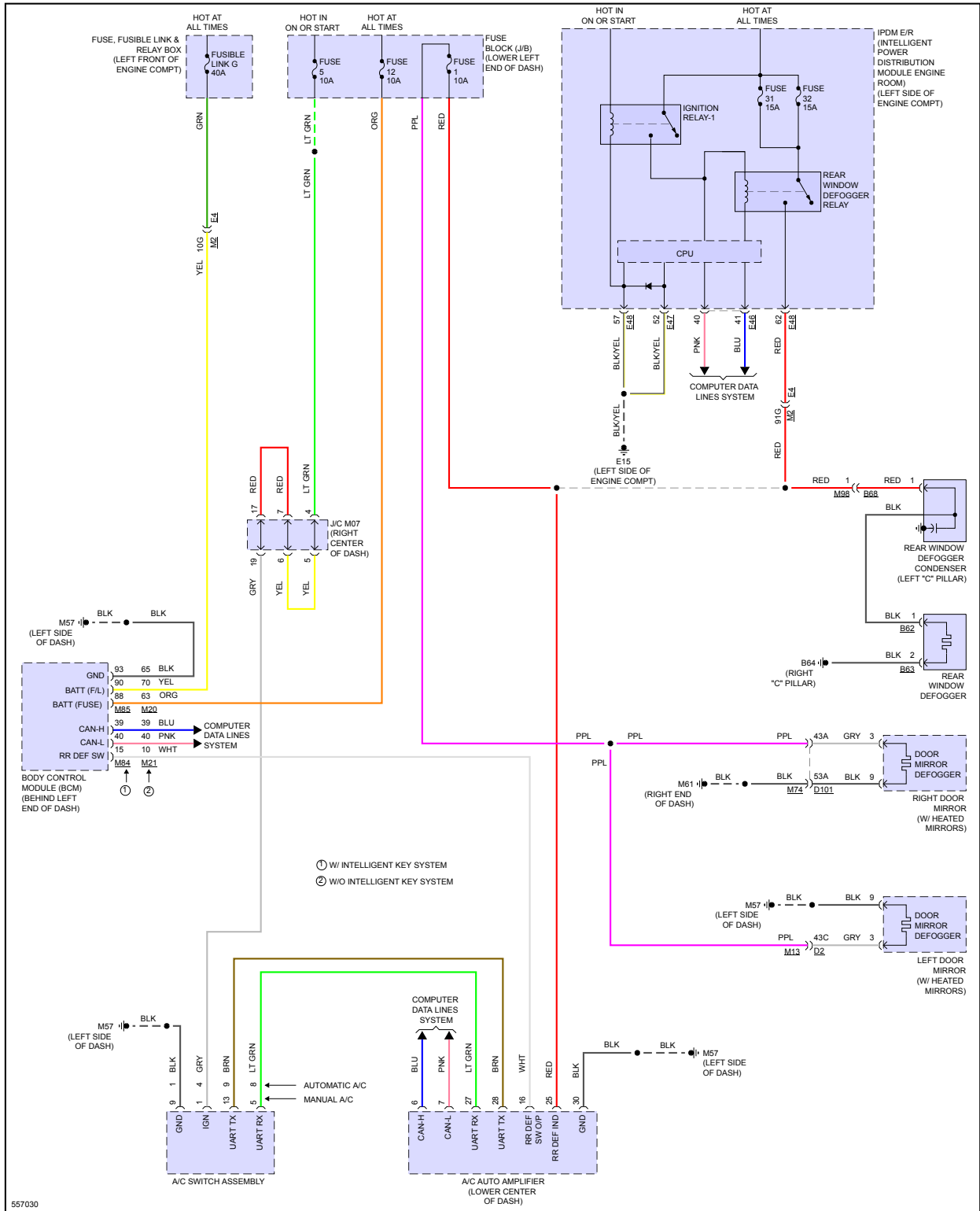


Fig 3: Cruise Control Circuit (3 of 3)



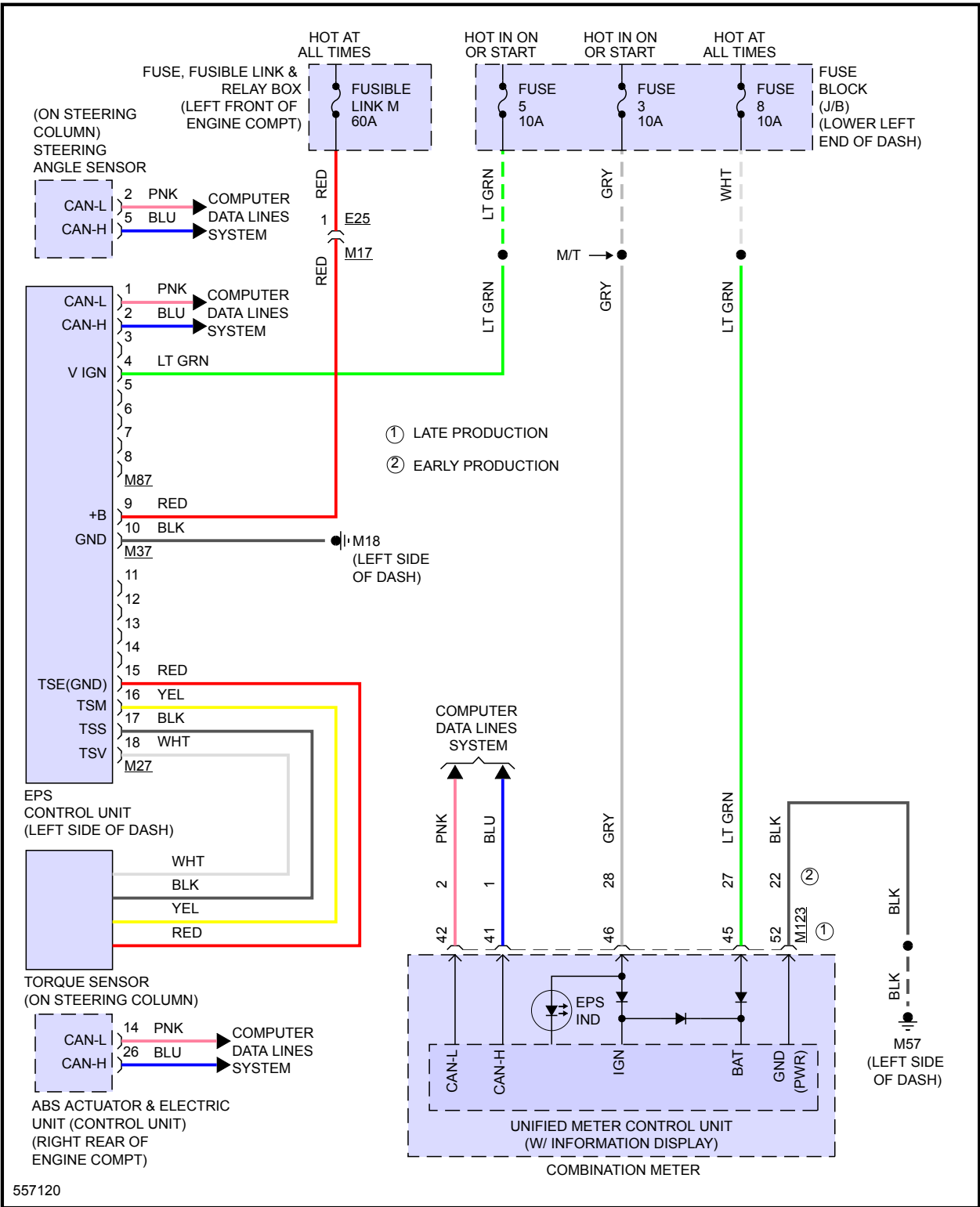
DEFOGGERS

Fig 1: Defoggers Circuit



ELECTRONIC POWER STEERING

Fig 1: Electronic Power Steering Circuit



ENGINE PERFORMANCE > 1.6L TURBO

Fig 1: 1.6L Turbo, Engine Performance Circuit (1 of 6)

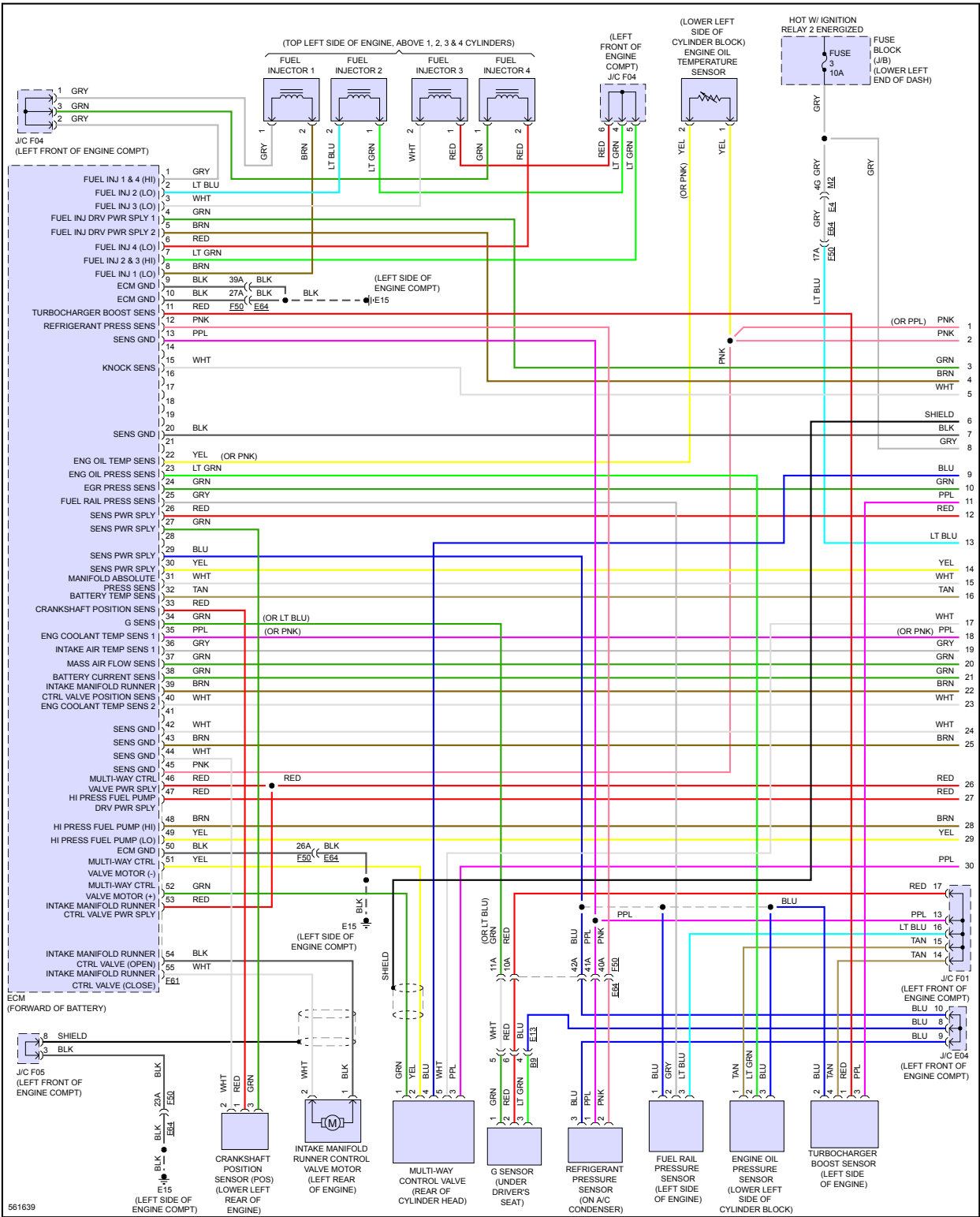


Fig 2: 1.6L Turbo, Engine Performance Circuit (2 of 6)

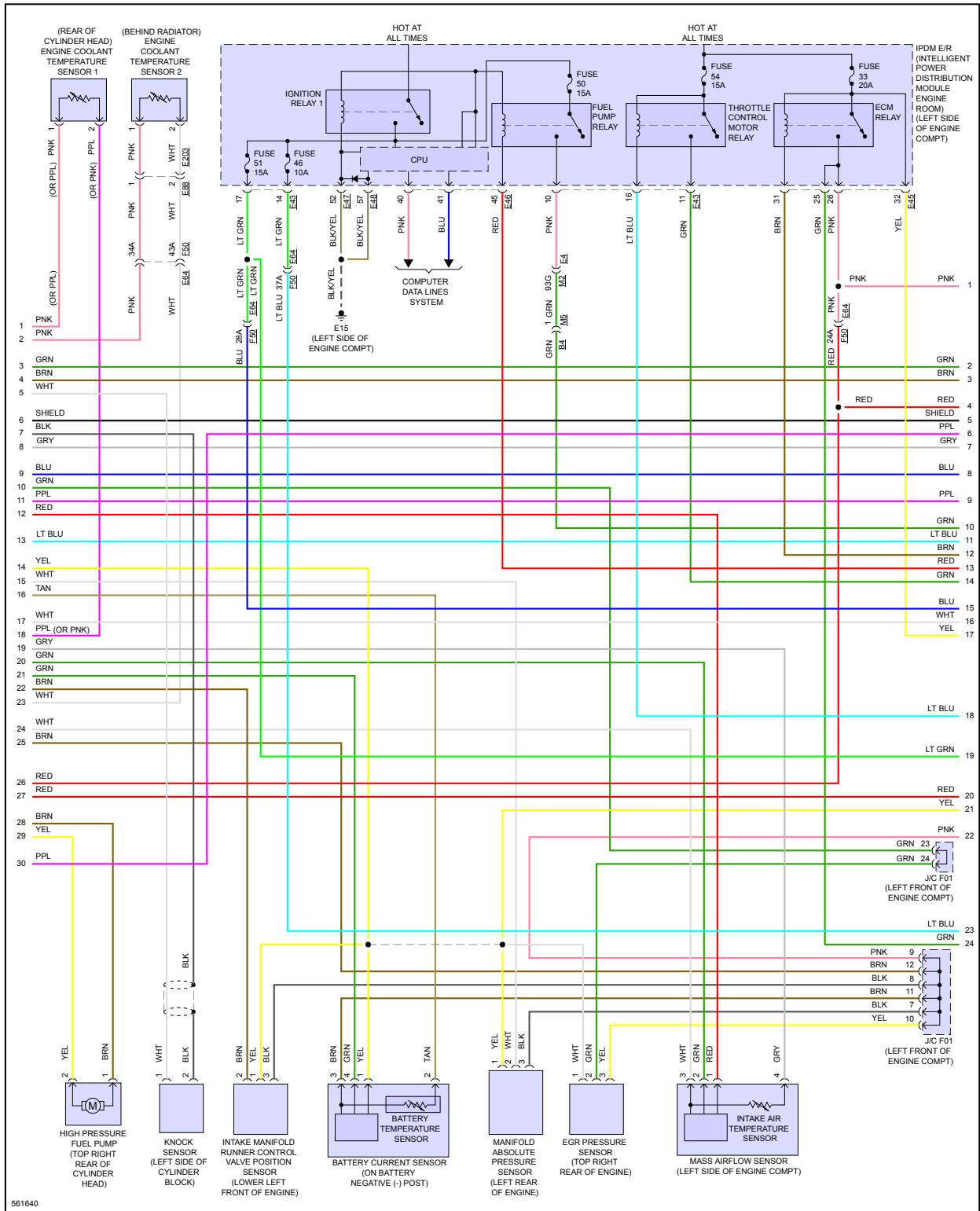


Fig 3: 1.6L Turbo, Engine Performance Circuit (3 of 6)



Fig 4: 1.6L Turbo, Engine Performance Circuit (4 of 6)

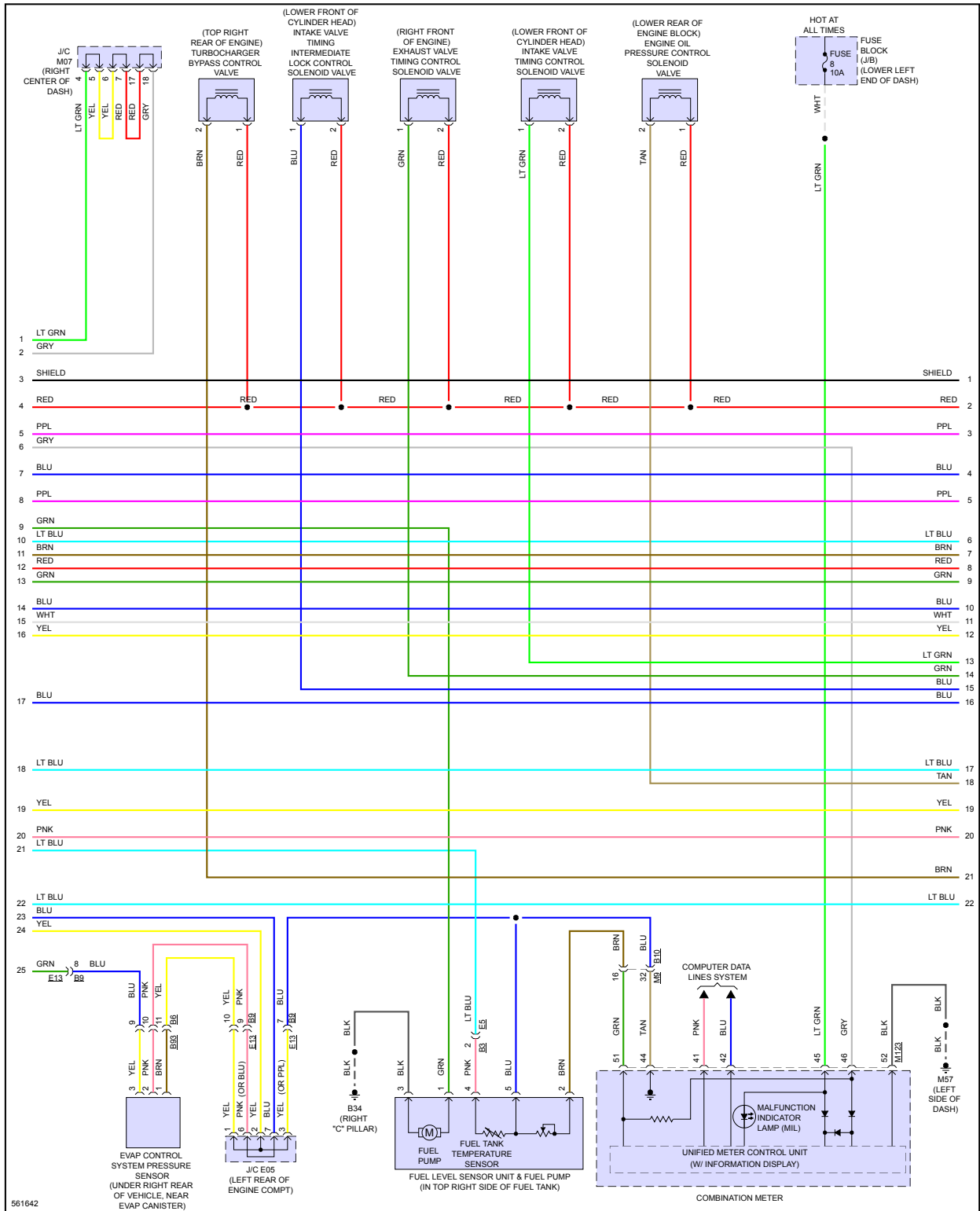


Fig 5: 1.6L Turbo, Engine Performance Circuit (5 of 6)

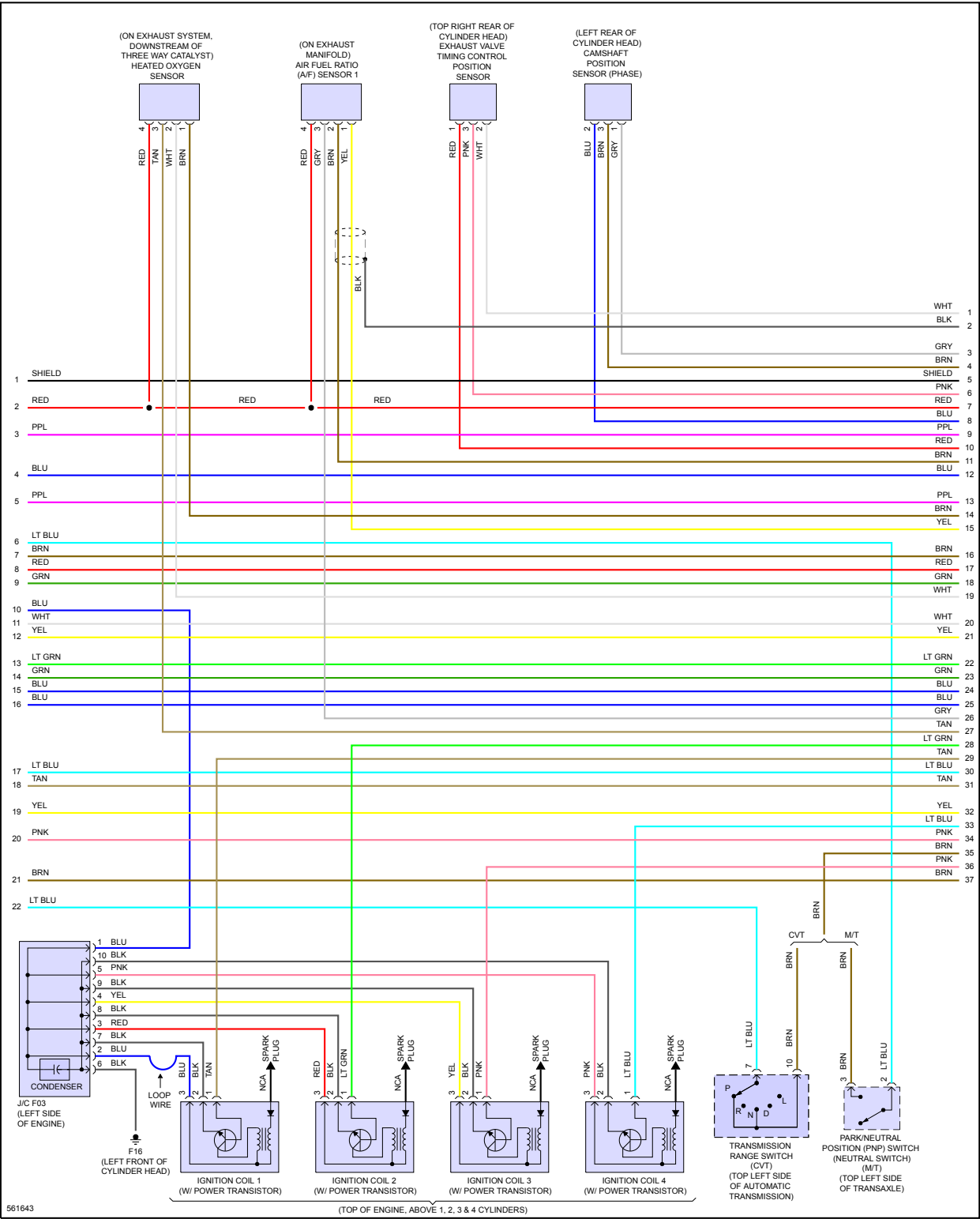
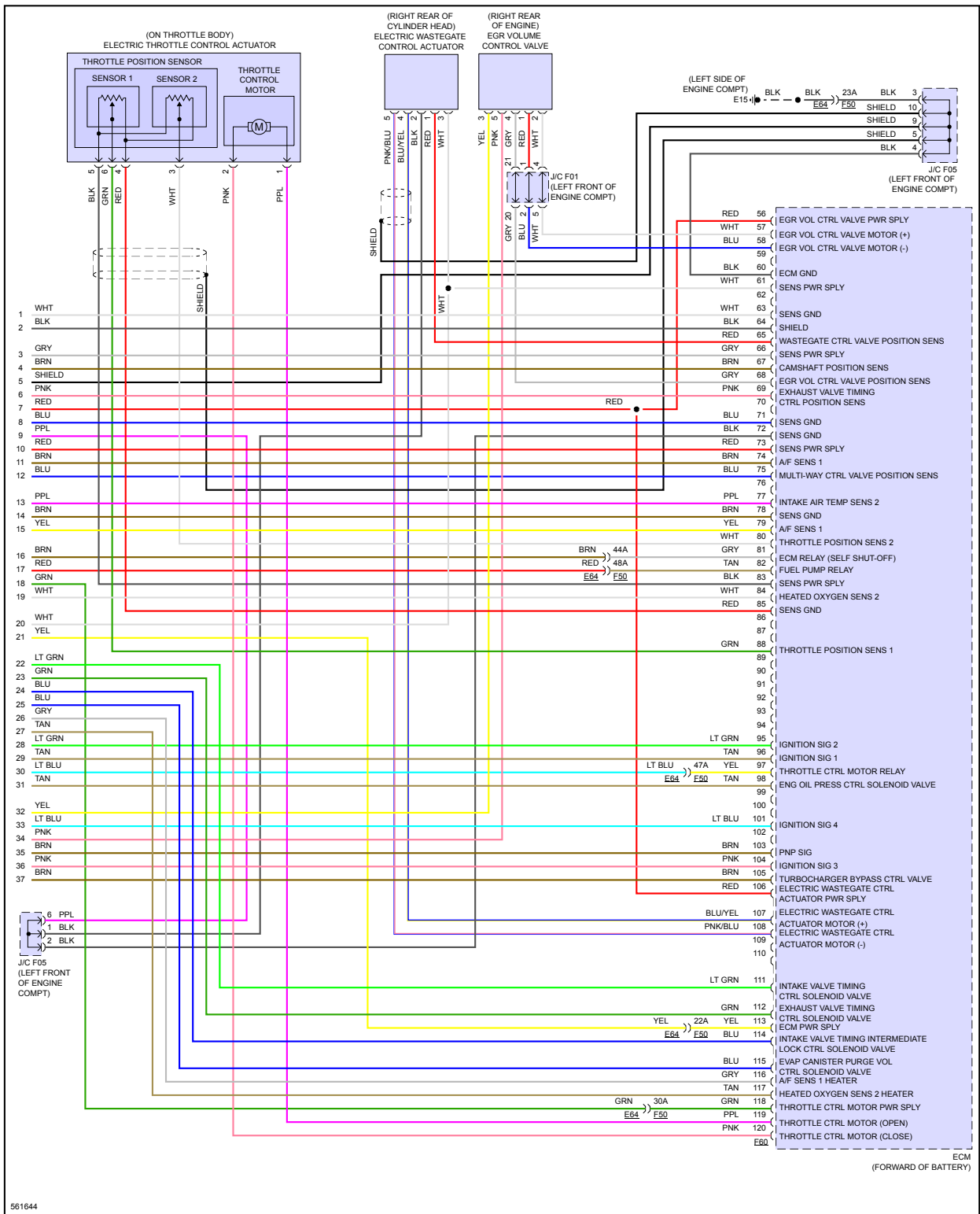


Fig 6: 1.6L Turbo, Engine Performance Circuit (6 of 6)



ENGINE PERFORMANCE > 1.8L

Fig 1: 1.8L, Engine Performance Circuit (1 of 4)

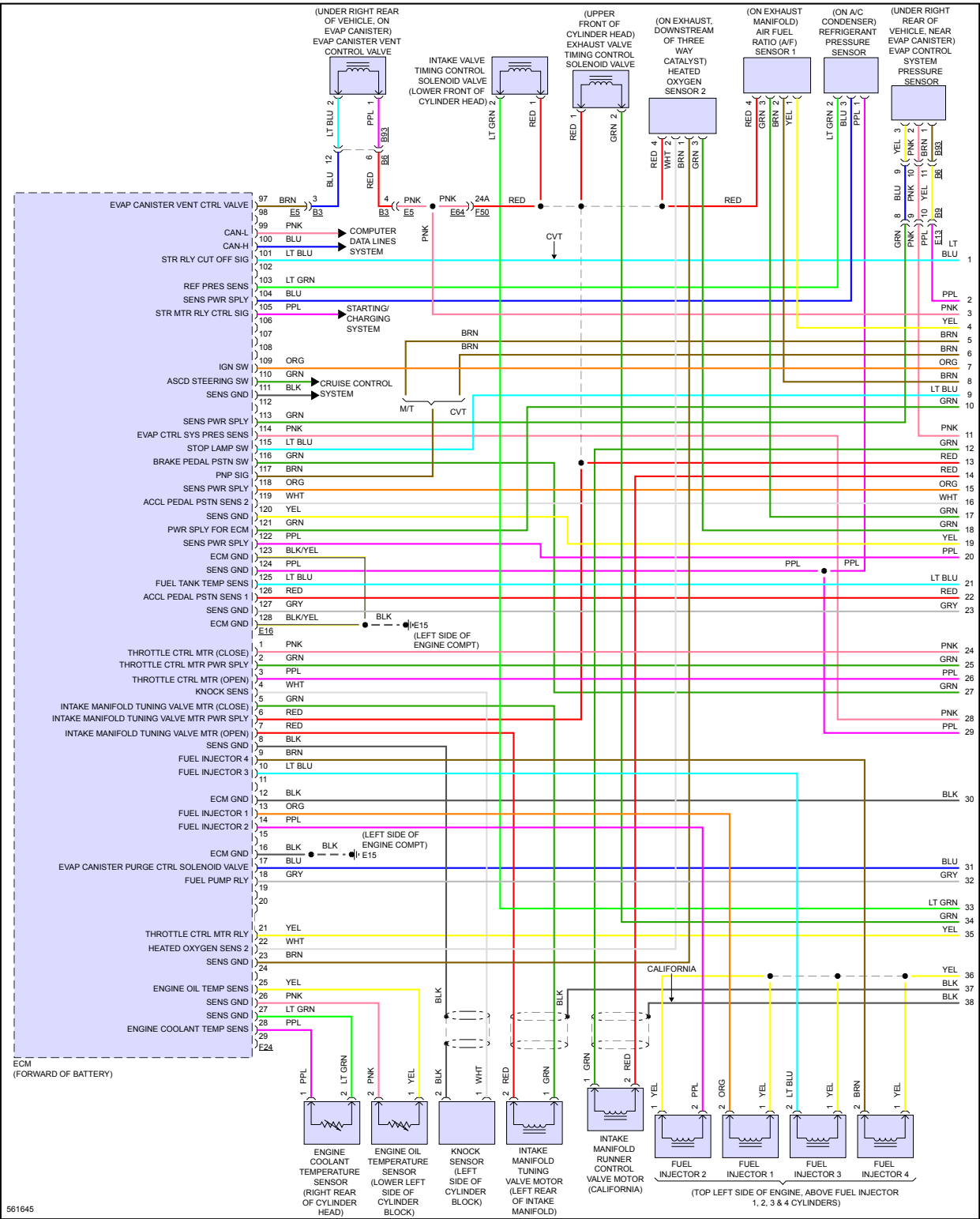
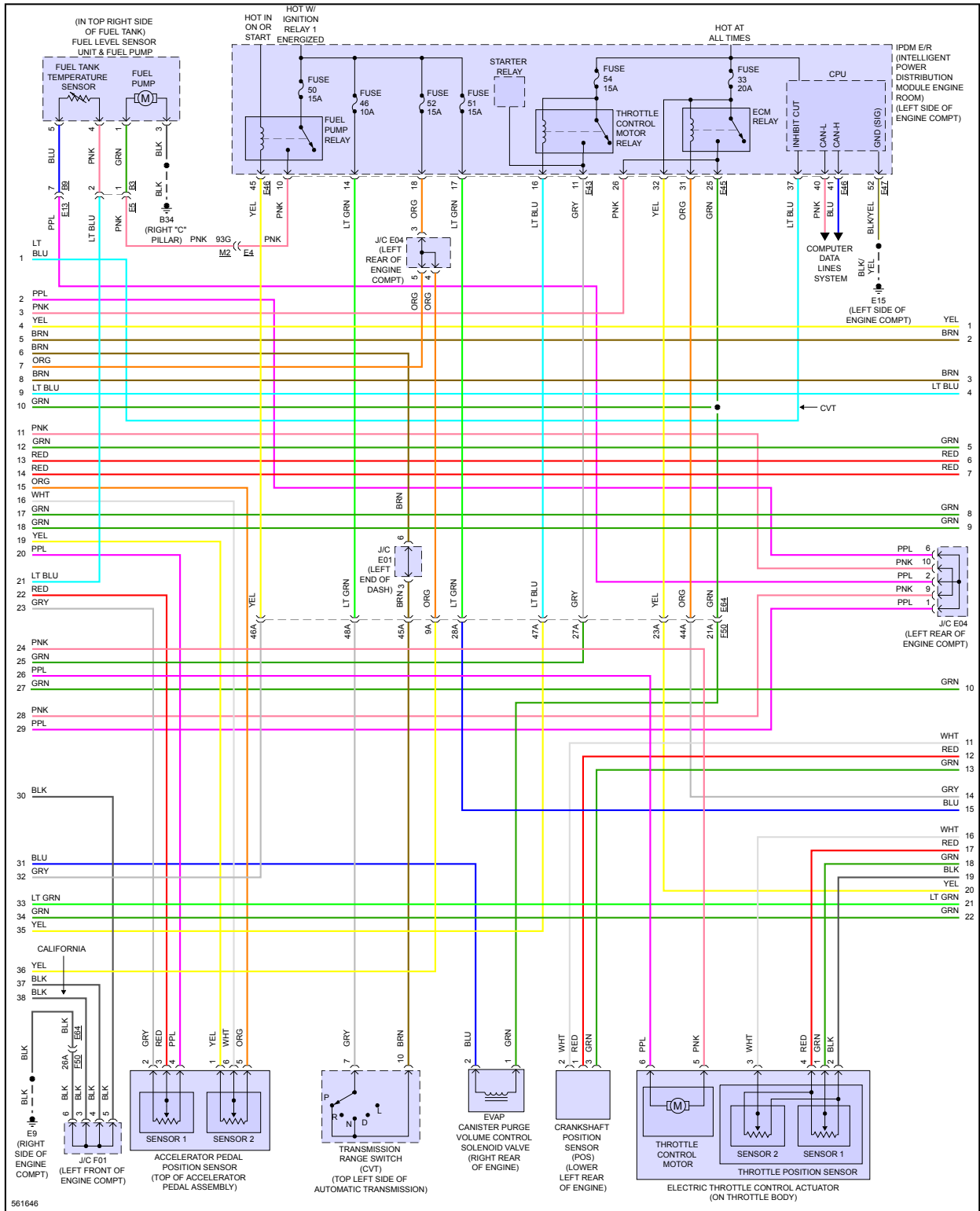


Fig 2: 1.8L, Engine Performance Circuit (2 of 4)



Wiring Diagram: BRAKE PEDAL POSITION SWITCH (W/INTELLIGENT CRUISE CONTROL SYSTEM)

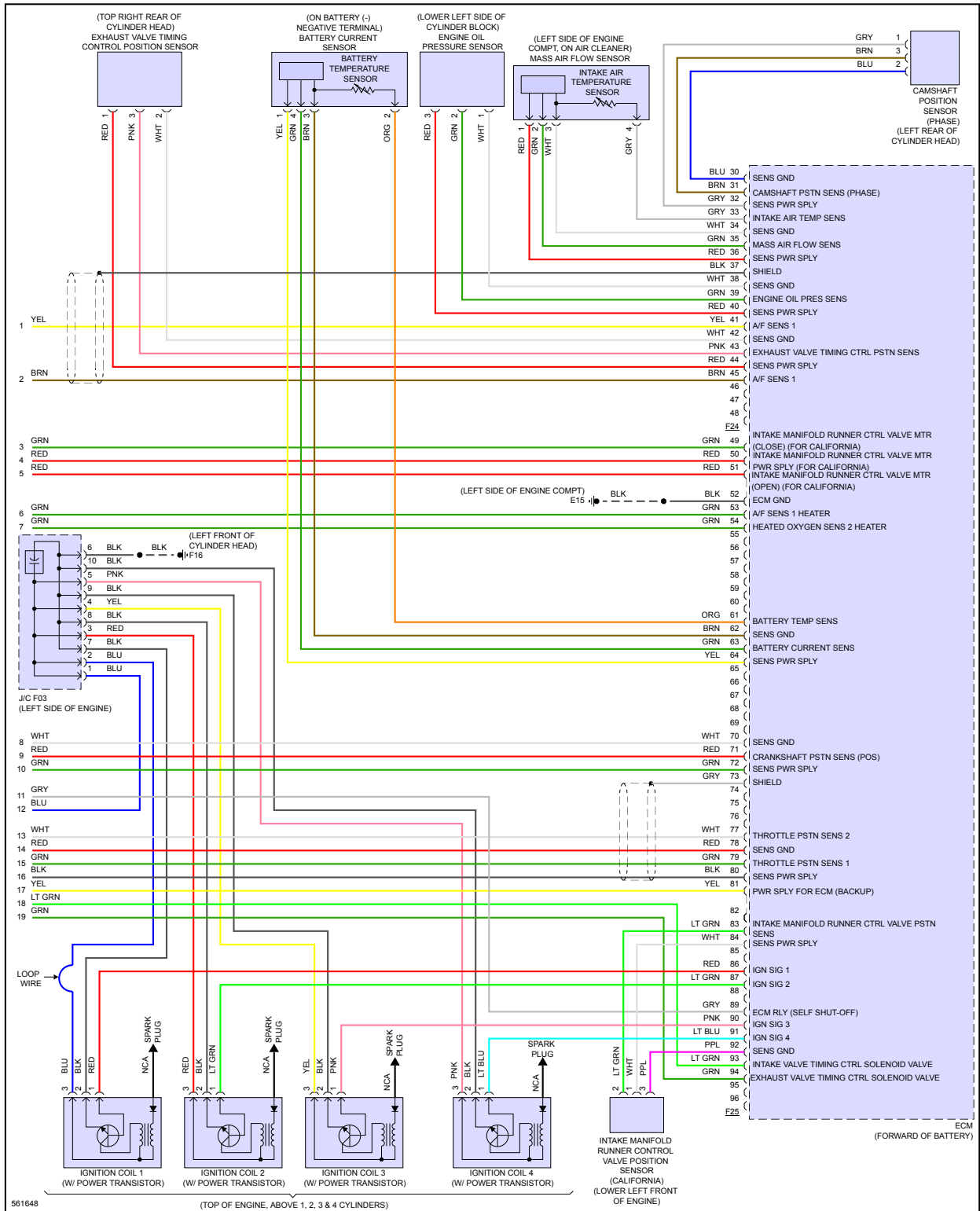
Legend:

- ① W/O INTELLIGENT CRUISE CONTROL SYSTEM
- ② W/ INTELLIGENT CRUISE CONTROL SYSTEM
- ③ LATE PRODUCTION
- ④ EARLY PRODUCTION

Key Components and Connections:

- Brake Pedal Position Switch (W/INTELLIGENT CRUISE CONTROL SYSTEM):**
 - Terminal 1: WHT (to ANTI-LOCK BRAKES SYSTEM)
 - Terminal 2: RED (to ANTI-LOCK BRAKES SYSTEM)
 - Terminal 3: ORG (to BRAKE PEDAL POSITION SWITCH (W/O INTELLIGENT CRUISE CONTROL SYSTEM))
 - Terminal 4: GRN (to BRAKE PEDAL POSITION SWITCH (W/O INTELLIGENT CRUISE CONTROL SYSTEM))
- Unified Meter Control Unit (w/ INFORMATION DISPLAY):**
 - Terminal 28: GRN (to BRAKE PEDAL POSITION SWITCH (W/O INTELLIGENT CRUISE CONTROL SYSTEM))
 - Terminal 27: LT GRN (to BRAKE PEDAL POSITION SWITCH (W/O INTELLIGENT CRUISE CONTROL SYSTEM))
 - Terminal 22: BLK (to M57 (LEFT SIDE OF DASH))
 - Terminal 21: LT GRN (to M57 (LEFT SIDE OF DASH))
 - Terminal 20: YEL (to M57 (LEFT SIDE OF DASH))
 - Terminal 19: BLK (to M57 (LEFT SIDE OF DASH))
 - Terminal 18: GRN (to M57 (LEFT SIDE OF DASH))
 - Terminal 17: RED (to M57 (LEFT SIDE OF DASH))
 - Terminal 16: WHT (to M57 (LEFT SIDE OF DASH))
 - Terminal 15: BLU (to M57 (LEFT SIDE OF DASH))
 - Terminal 14: GRY (to M57 (LEFT SIDE OF DASH))
 - Terminal 13: GRN (to M57 (LEFT SIDE OF DASH))
 - Terminal 12: RED (to M57 (LEFT SIDE OF DASH))
 - Terminal 11: WHT (to M57 (LEFT SIDE OF DASH))
 - Terminal 10: GRN (to M57 (LEFT SIDE OF DASH))
 - Terminal 9: RED (to M57 (LEFT SIDE OF DASH))
 - Terminal 8: WHT (to M57 (LEFT SIDE OF DASH))
 - Terminal 7: GRN (to M57 (LEFT SIDE OF DASH))
 - Terminal 6: RED (to M57 (LEFT SIDE OF DASH))
 - Terminal 5: RED (to M57 (LEFT SIDE OF DASH))
 - Terminal 4: GRN (to M57 (LEFT SIDE OF DASH))
 - Terminal 3: GRN (to M57 (LEFT SIDE OF DASH))
 - Terminal 2: YEL (to M57 (LEFT SIDE OF DASH))
 - Terminal 1: BRN (to M57 (LEFT SIDE OF DASH))
- Other Components:**
 - Brake Pedal Position Switch (W/O INTELLIGENT CRUISE CONTROL SYSTEM):**
 - Terminal 1: GRY (to BRAKE PEDAL POSITION SWITCH (W/INTELLIGENT CRUISE CONTROL SYSTEM))
 - Terminal 2: GRN (to BRAKE PEDAL POSITION SWITCH (W/INTELLIGENT CRUISE CONTROL SYSTEM))
 - Clutch Pedal Position Switch (M/T):**
 - Terminal 1: ORG (to BRAKE PEDAL POSITION SWITCH (W/O INTELLIGENT CRUISE CONTROL SYSTEM))
 - Terminal 2: GRN (to BRAKE PEDAL POSITION SWITCH (W/O INTELLIGENT CRUISE CONTROL SYSTEM))
 - Fuse Block (J/B):**
 - FUSE 30: 10A (FUSE FUSIBLE LINK & RELAY BOX (LEFT FRONT OF ENGINE COMPT))
 - FUSE 5: 10A (FUSE BLOCK (J/B) (LOWER LEFT END OF DASH))
 - FUSE 8: 10A (FUSE BLOCK (J/B) (LOWER LEFT END OF DASH))
 - FUSE 3: 10A (FUSE BLOCK (J/B) (LOWER LEFT END OF DASH))

Fig 4: 1.8L, Engine Performance Circuit (4 of 4)



EXTERIOR LIGHTS

Fig 1: Backup Lamps Circuit

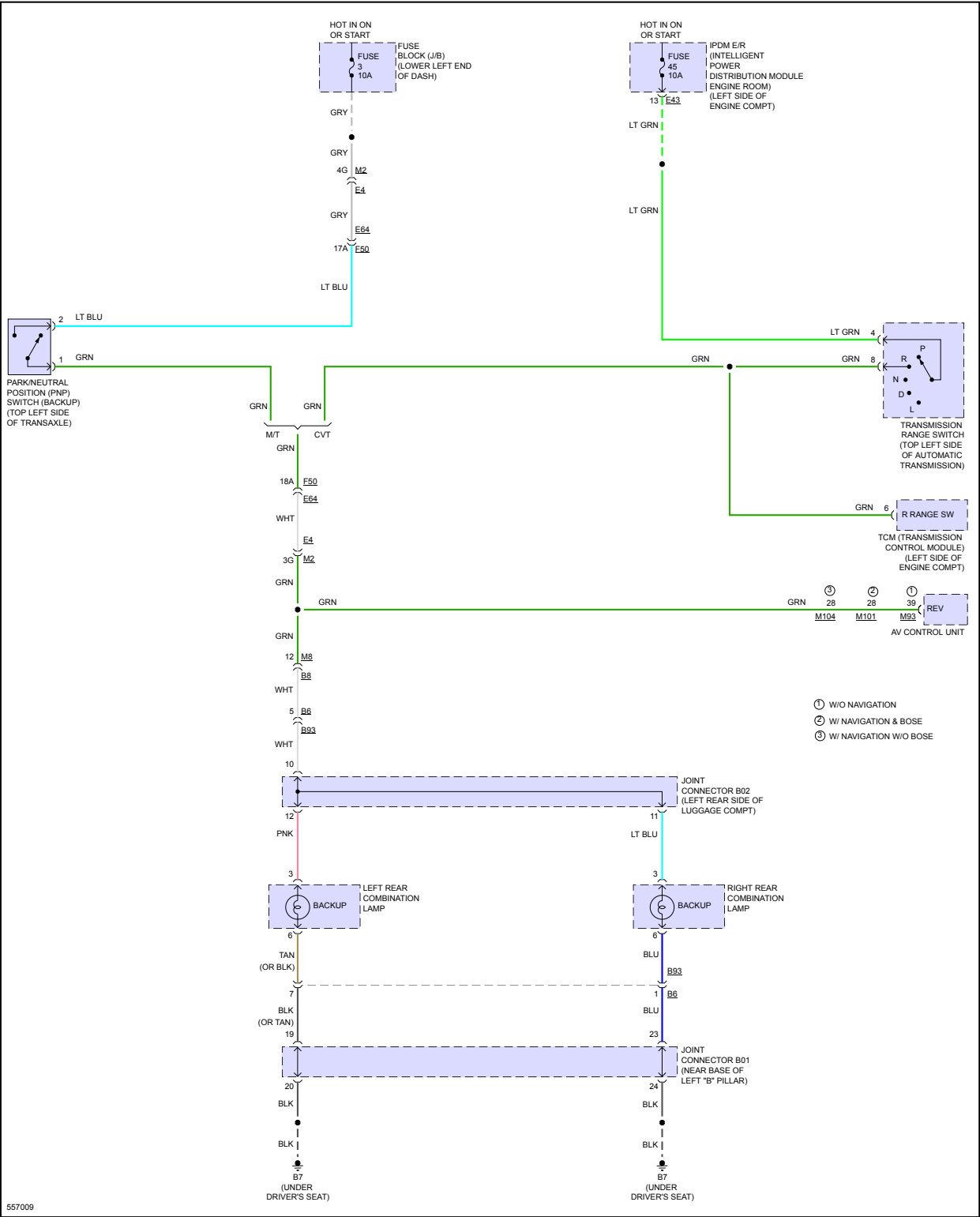
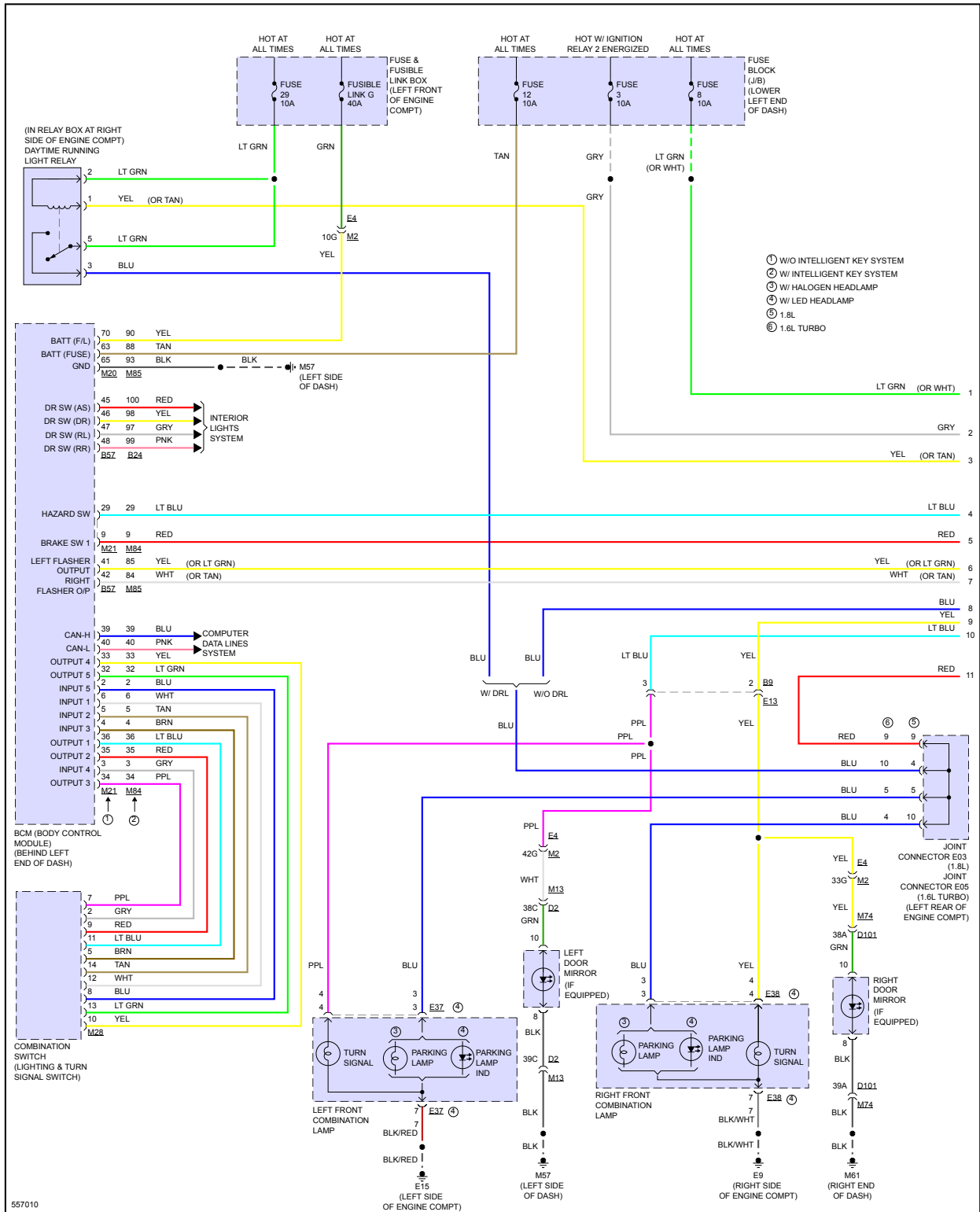
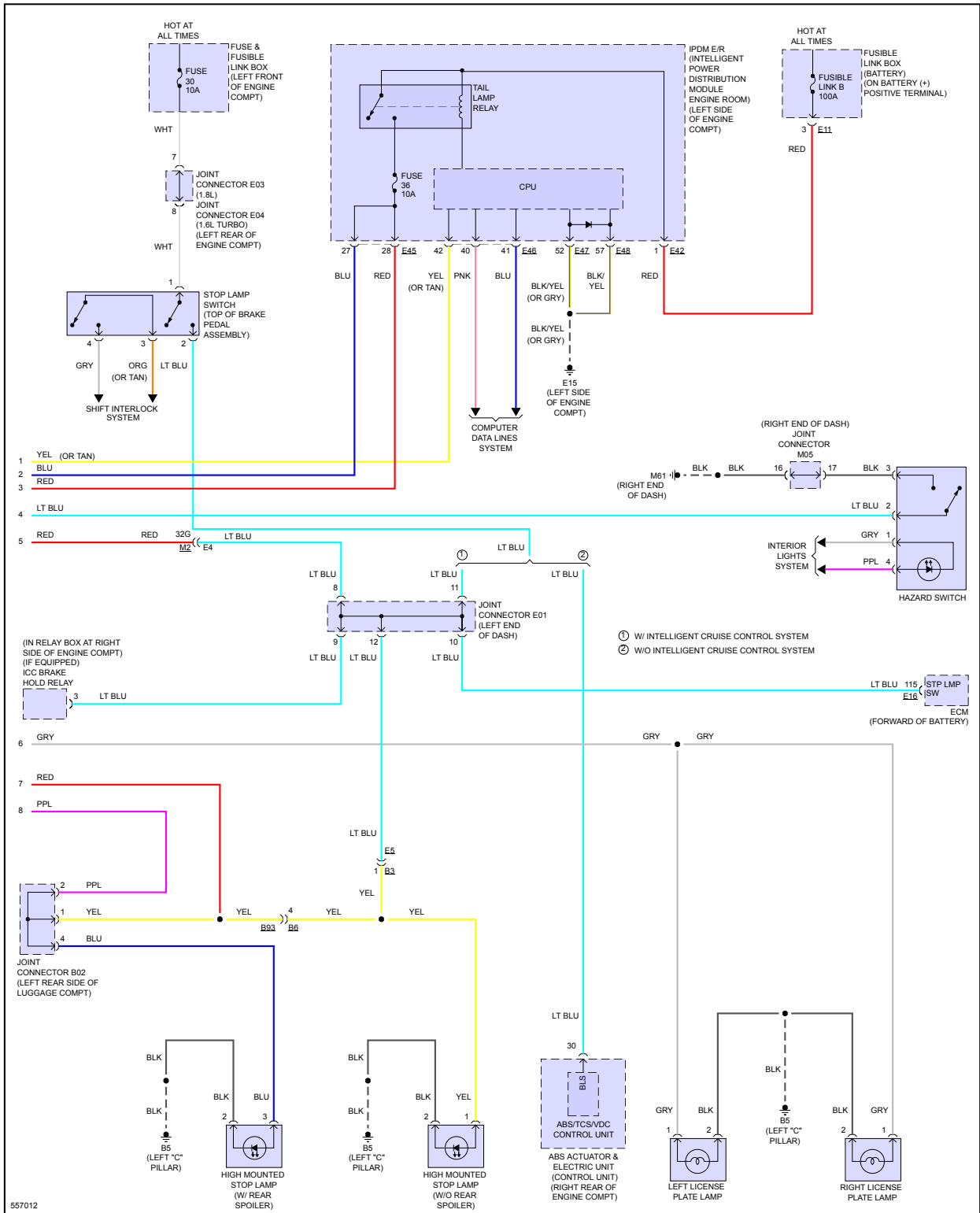


Fig 2: Exterior Lamps Circuit (1 of 3)



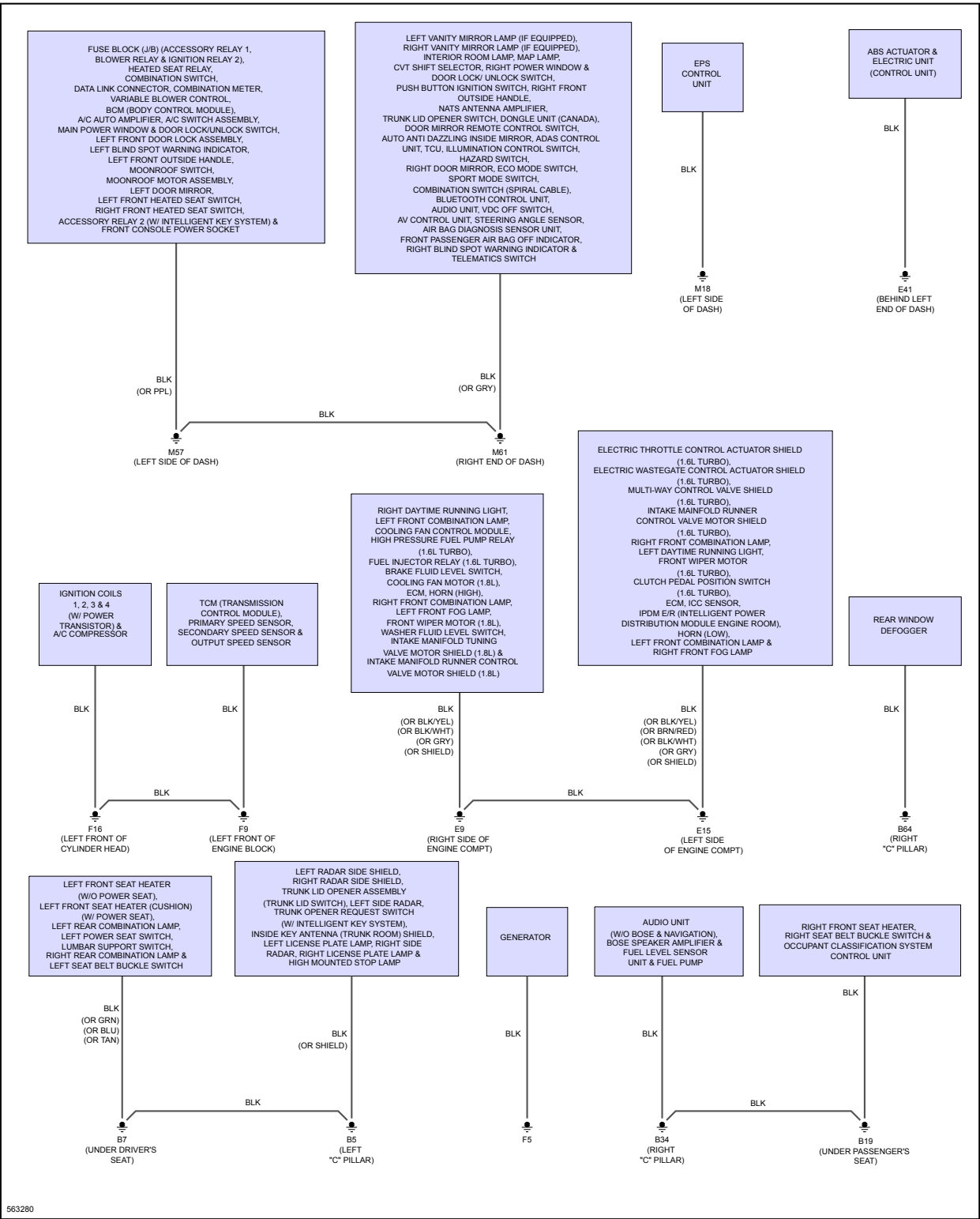
[illegible]

Fig 4: Exterior Lamps Circuit (3 of 3)



GROUND DISTRIBUTION

Fig 1: Ground Distribution Circuit



HEADLIGHTS

Fig 1: Headlights Circuit (1 of 2)

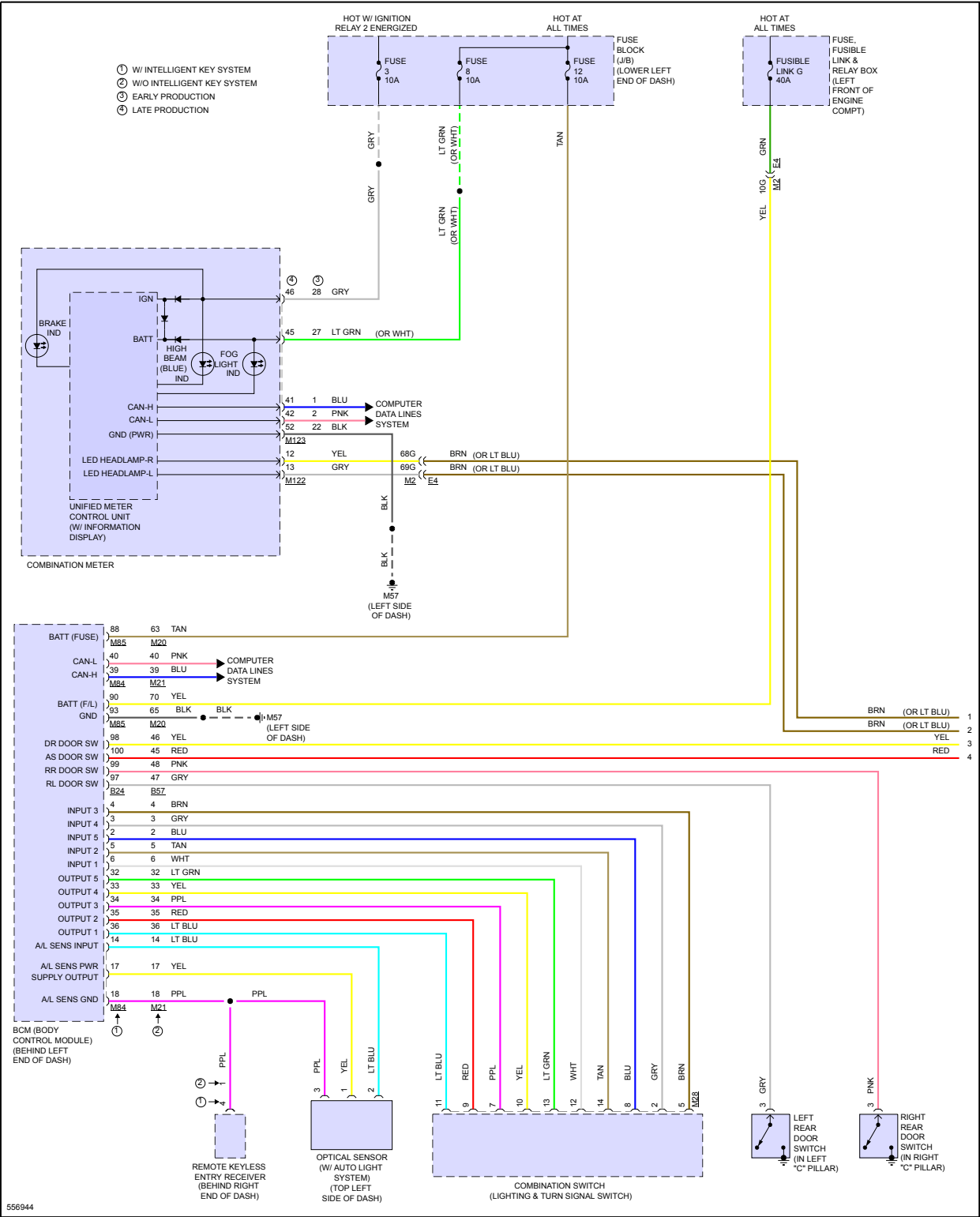


Fig 2: Headlights Circuit (2 of 2)

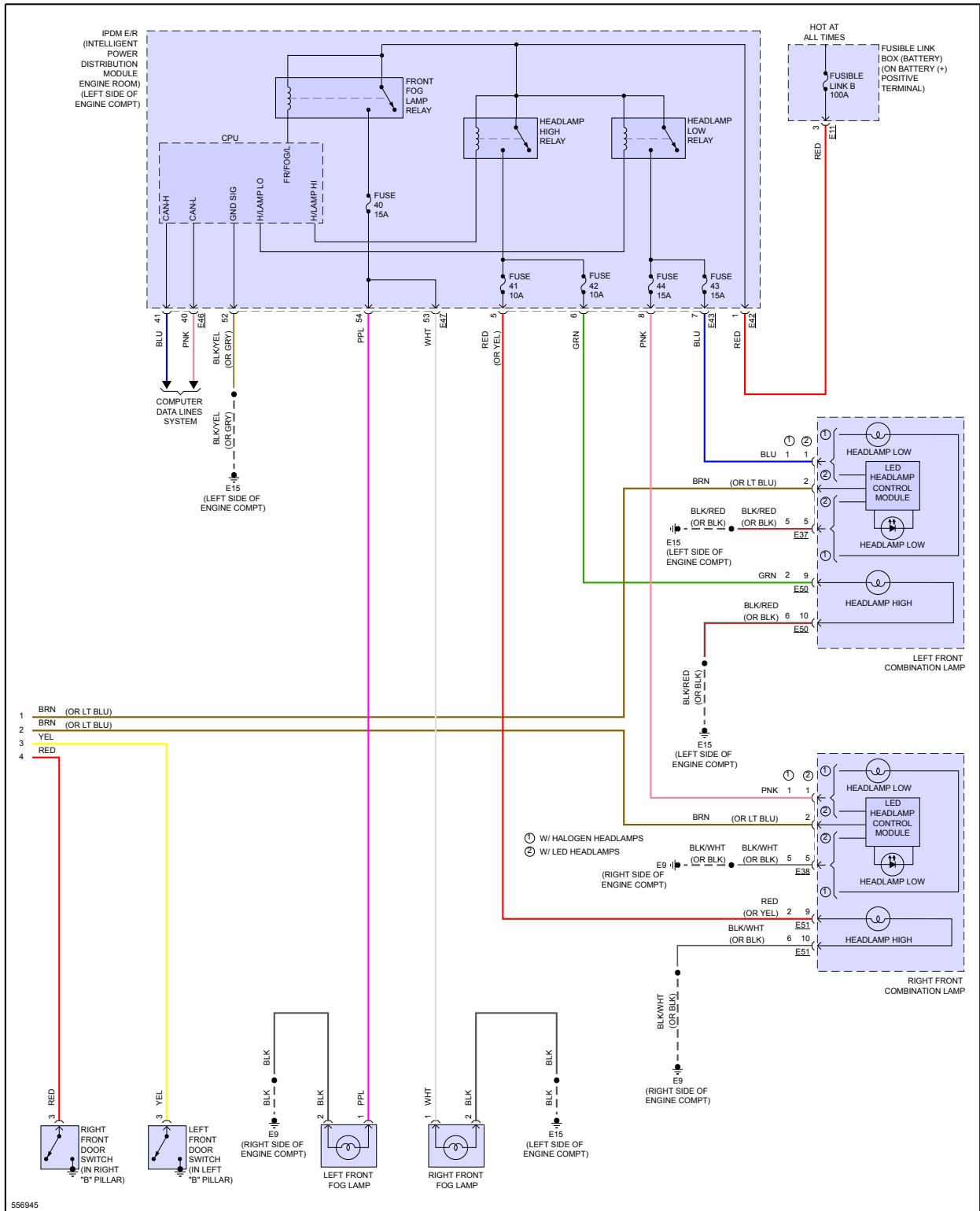


Fig 1: Horn Circuit



Fig 1: Instrument Cluster Circuit, Early Production (1 of 2)

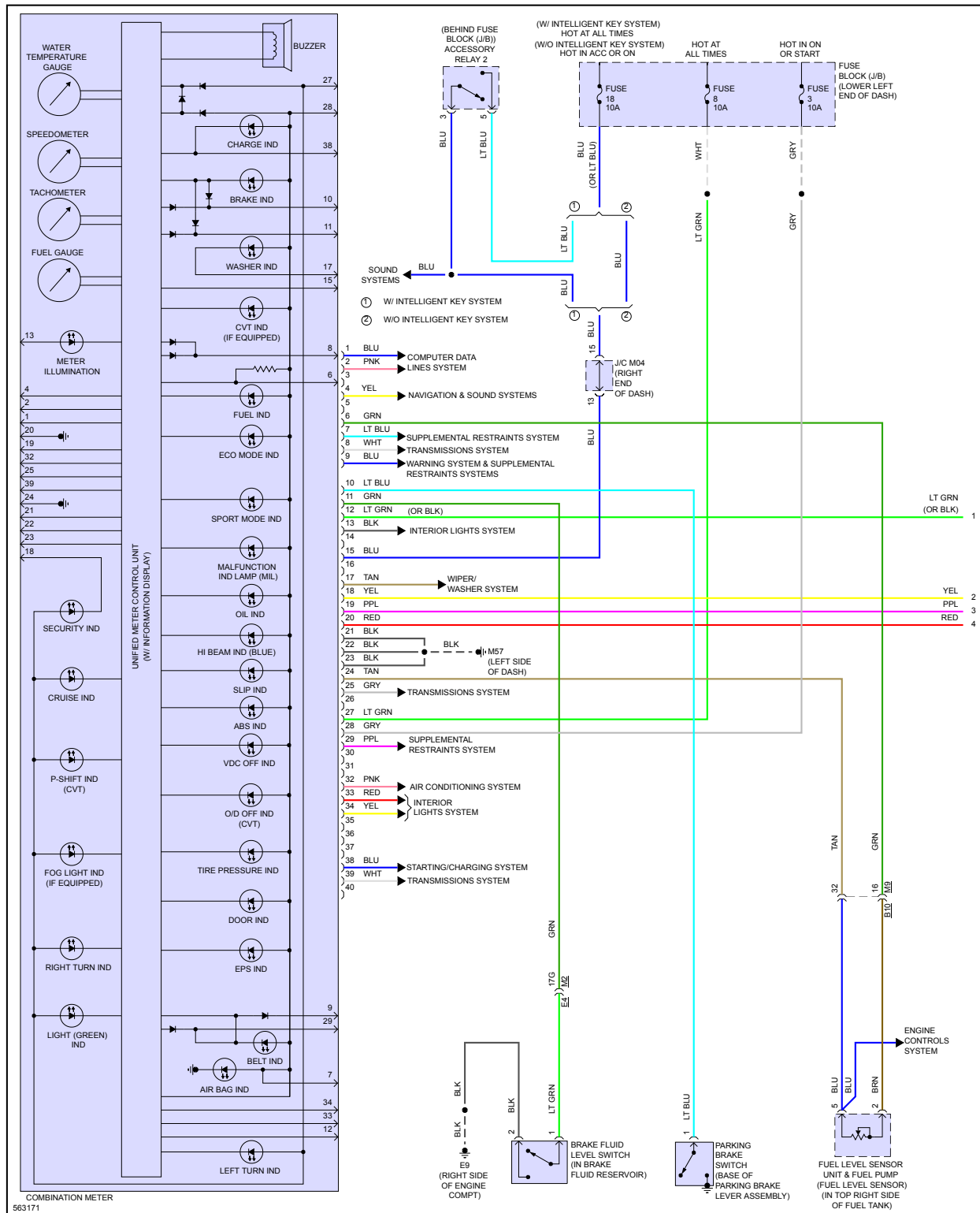


Fig 2: Instrument Cluster Circuit, Early Production (2 of 2)

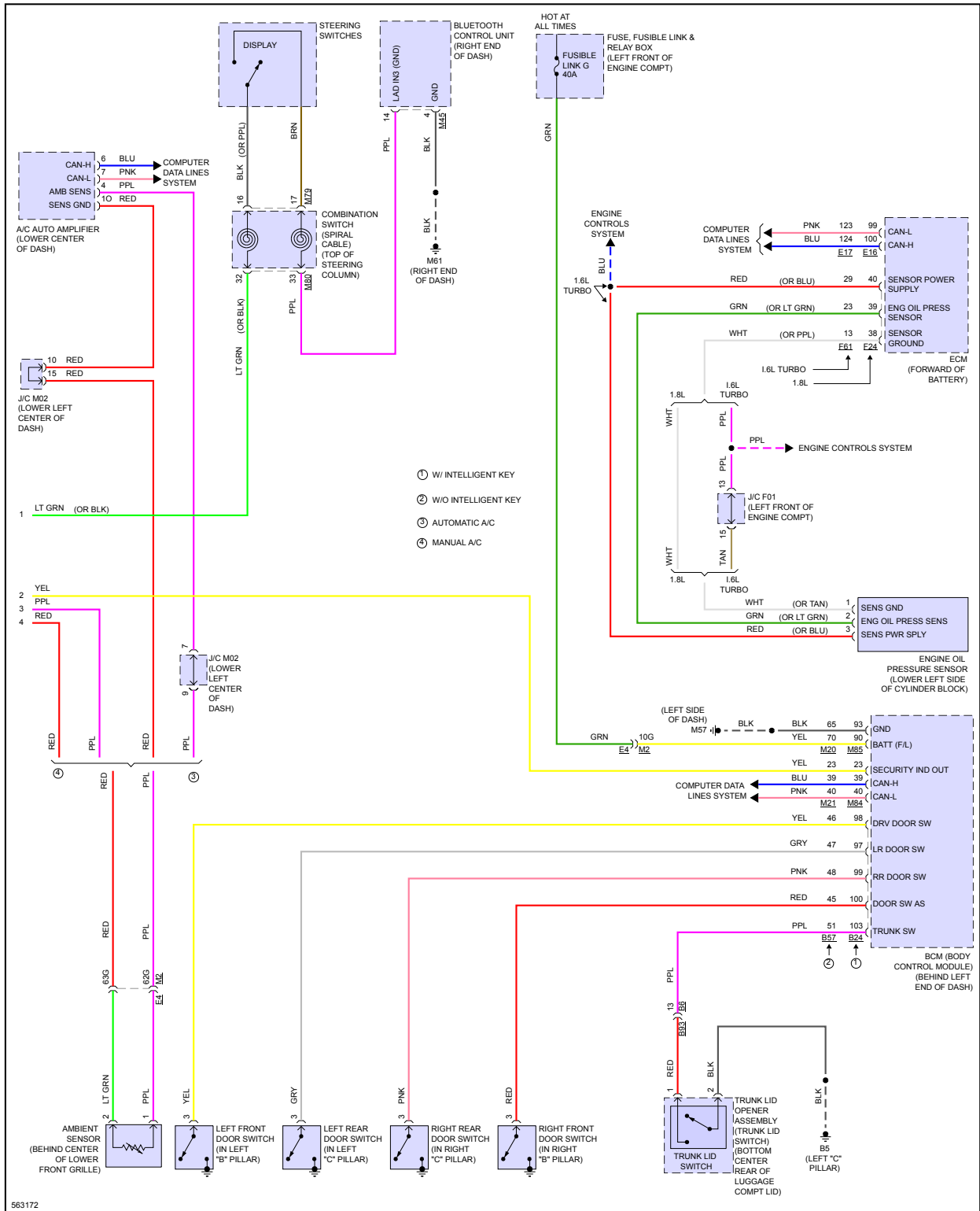


Fig 3: Instrument Cluster Circuit, Late Production (1 of 3)

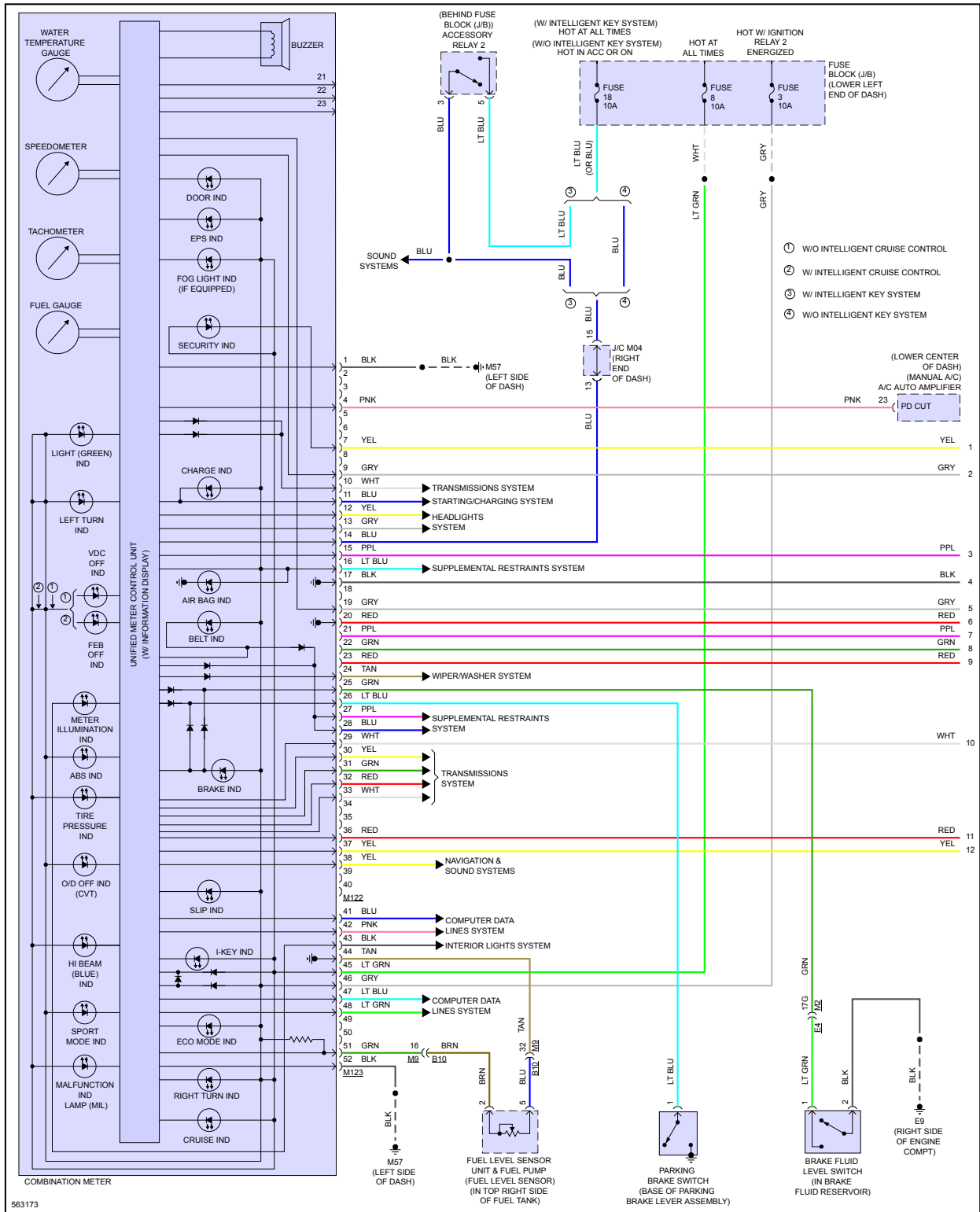


Fig 4: Instrument Cluster Circuit, Late Production (2 of 3)

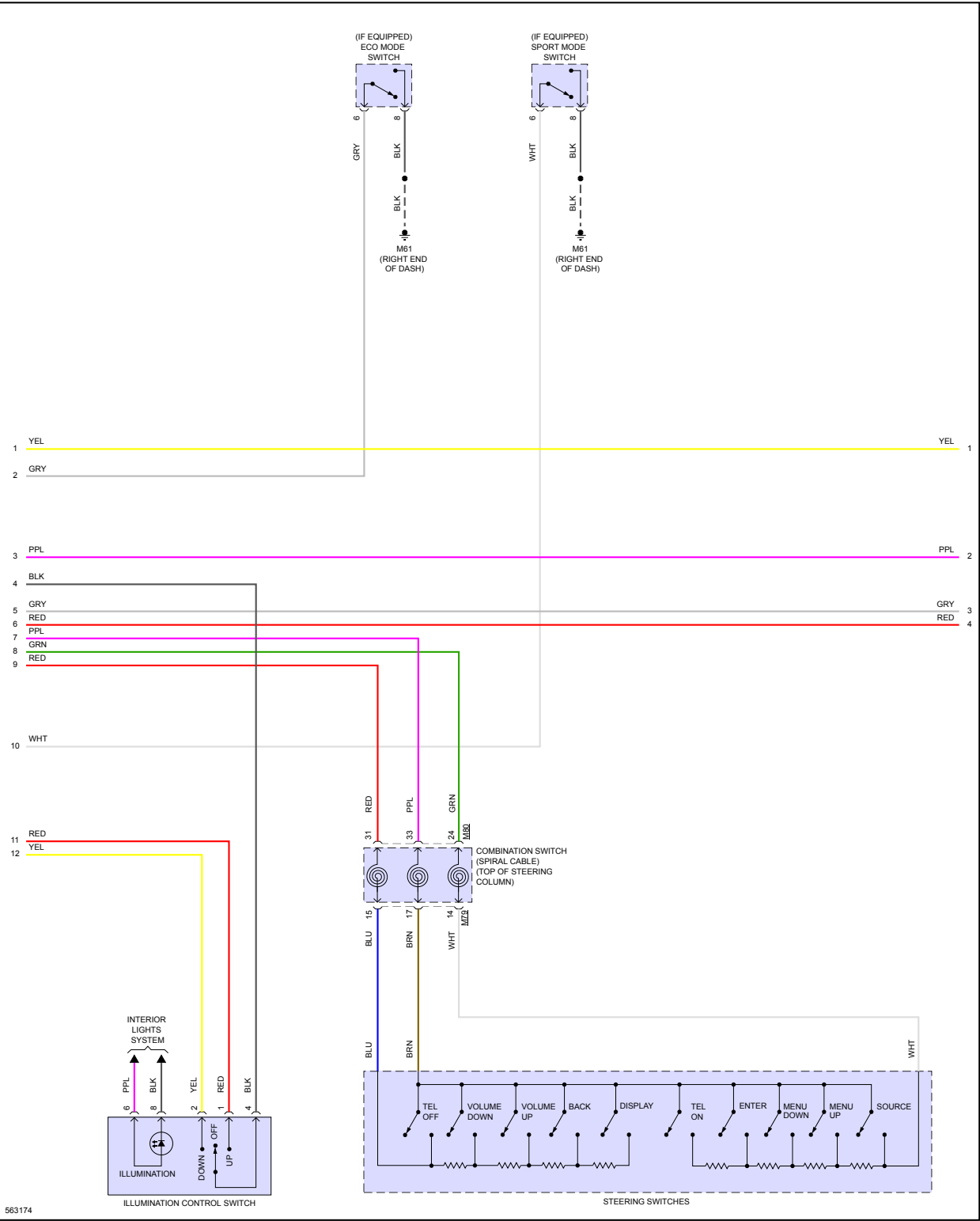
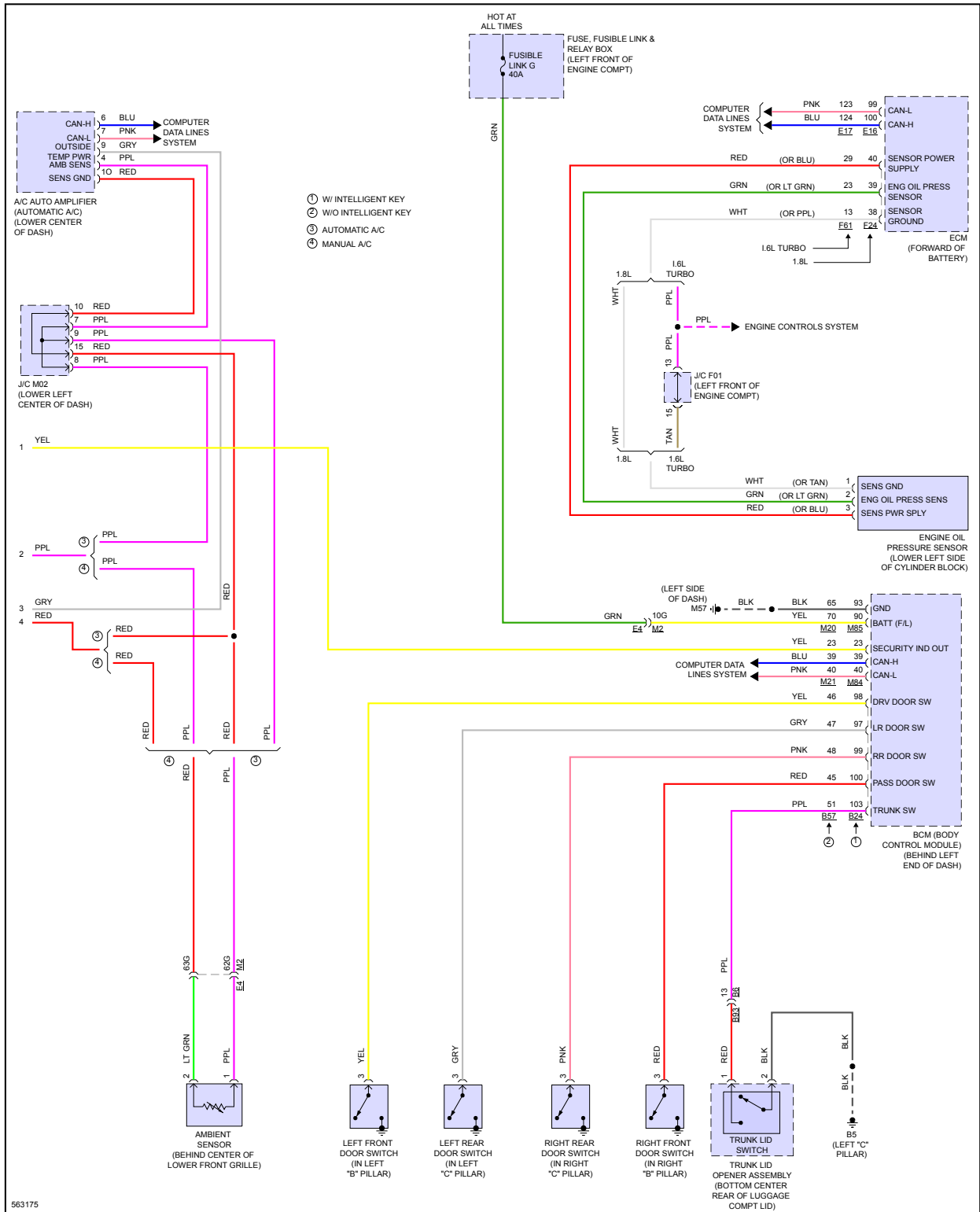


Fig 5: Instrument Cluster Circuit, Late Production (3 of 3)



INTERIOR LIGHTS

Fig 1: Courtesy Lamps Circuit (1 of 2)

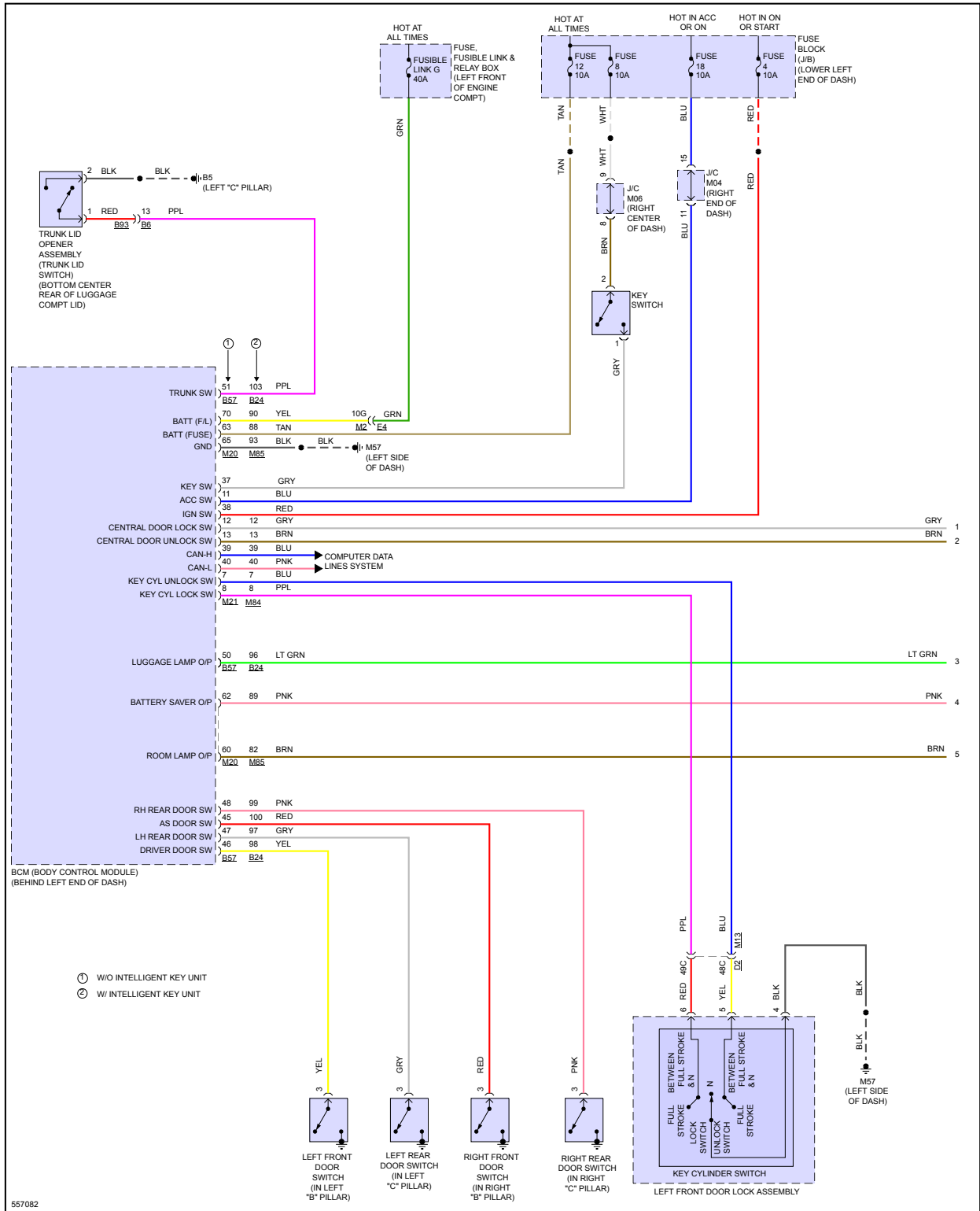


Fig 2: Courtesy Lamps Circuit (2 of 2)

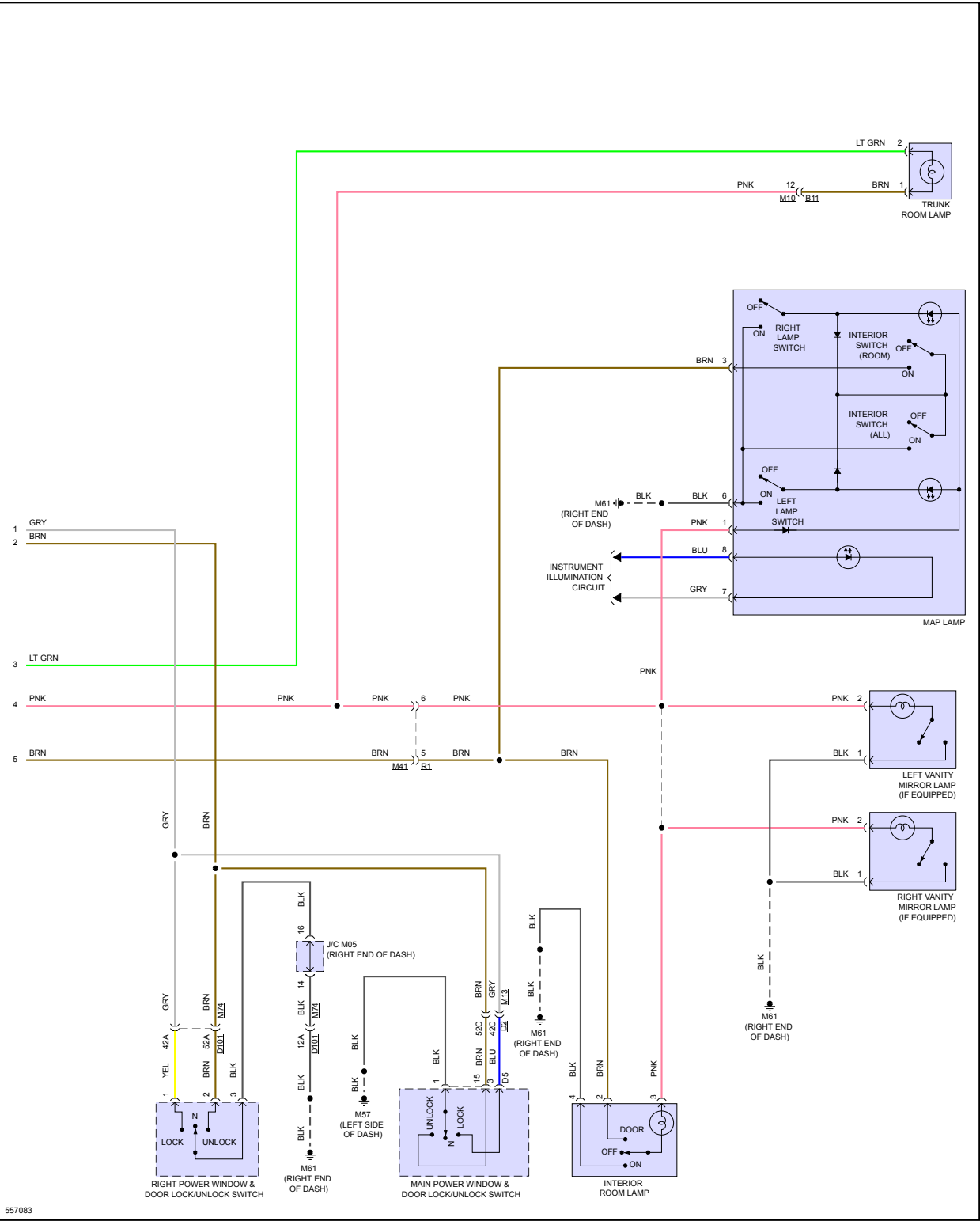


Fig 3: Instrument Illumination Circuit (1 of 2)

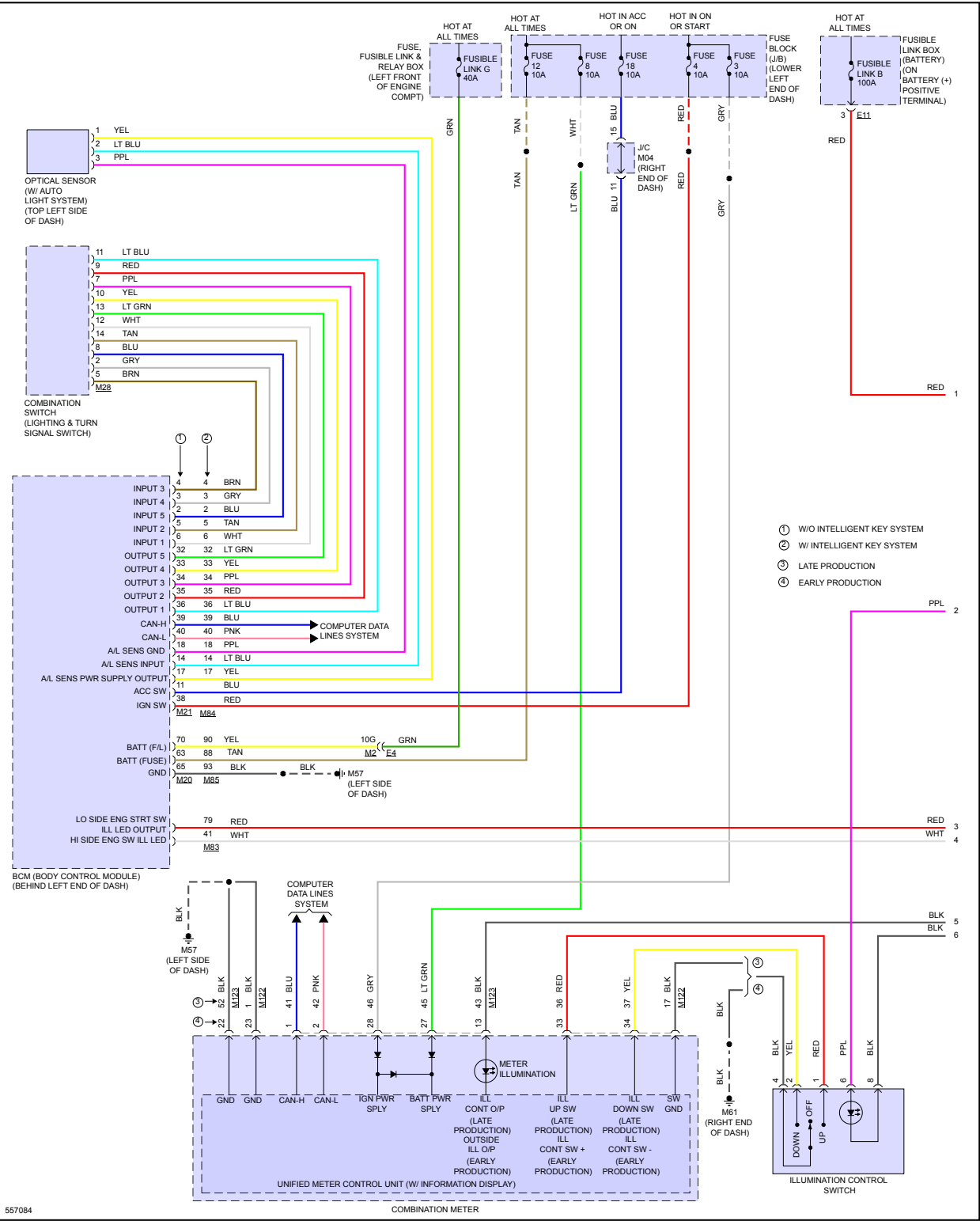
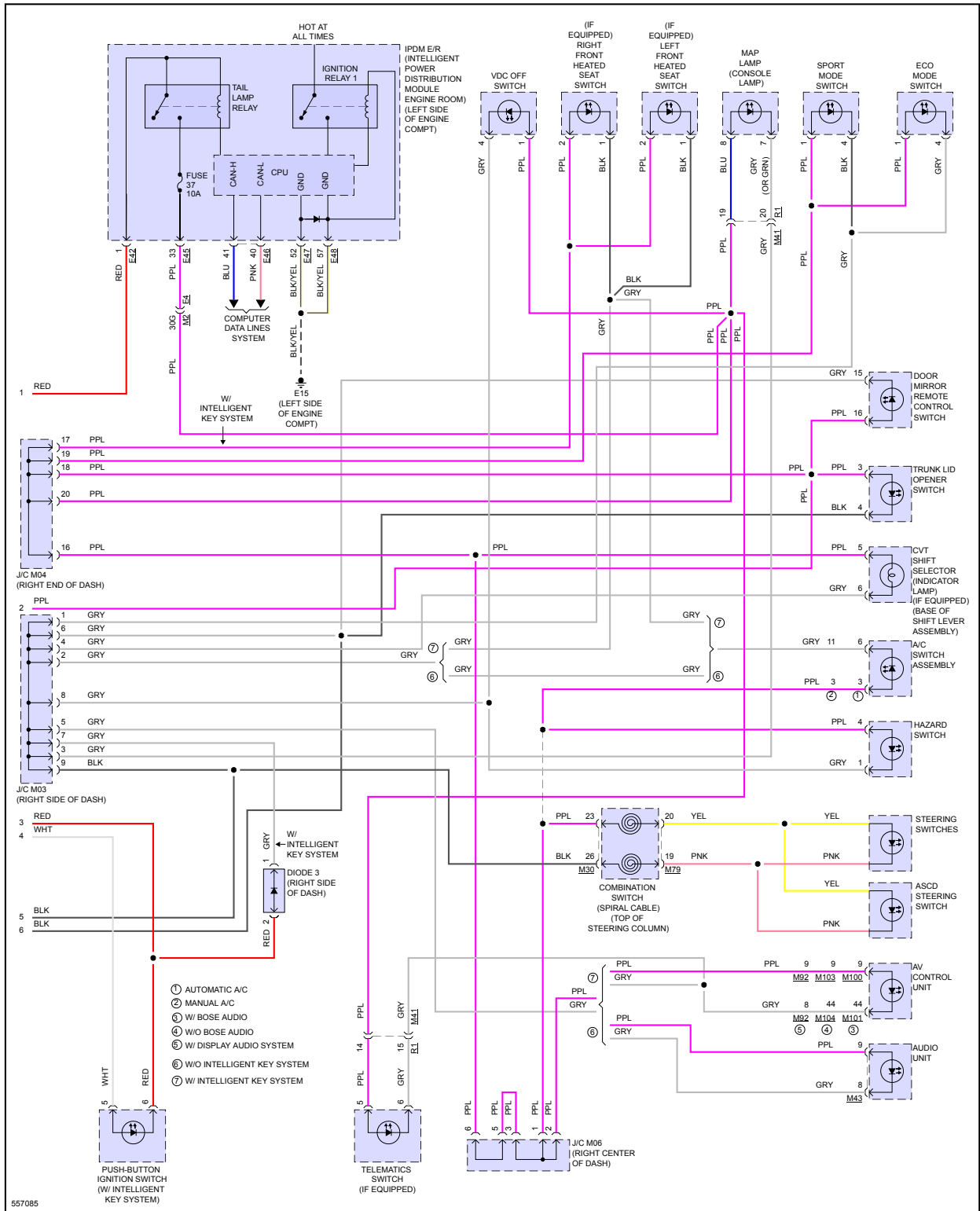


Fig 4: Instrument Illumination Circuit (2 of 2)



NAVIGATION

Fig 1: Blind Spot Monitoring Circuit

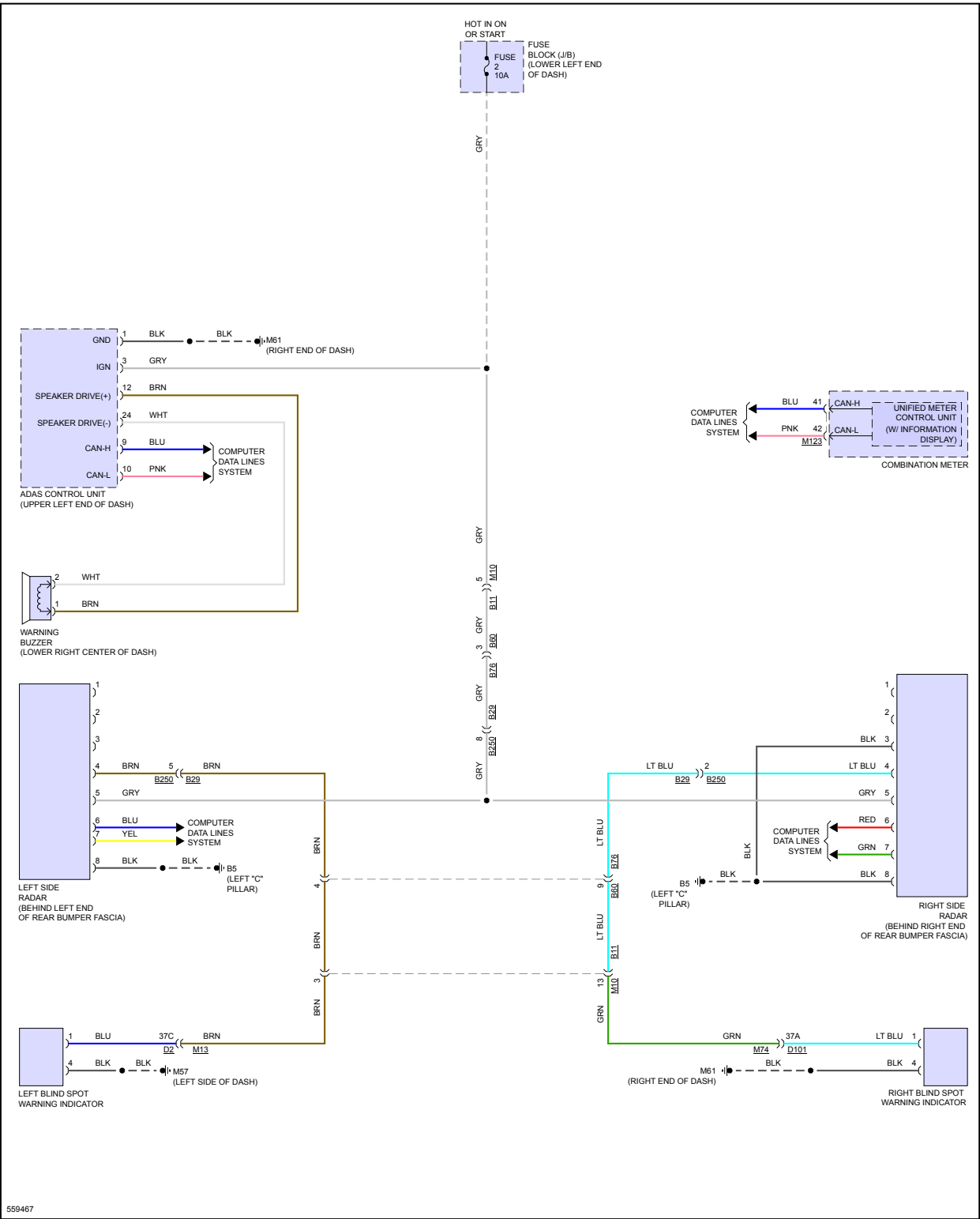


Fig 2: Navigation Circuit, W/ Bose (1 of 3)

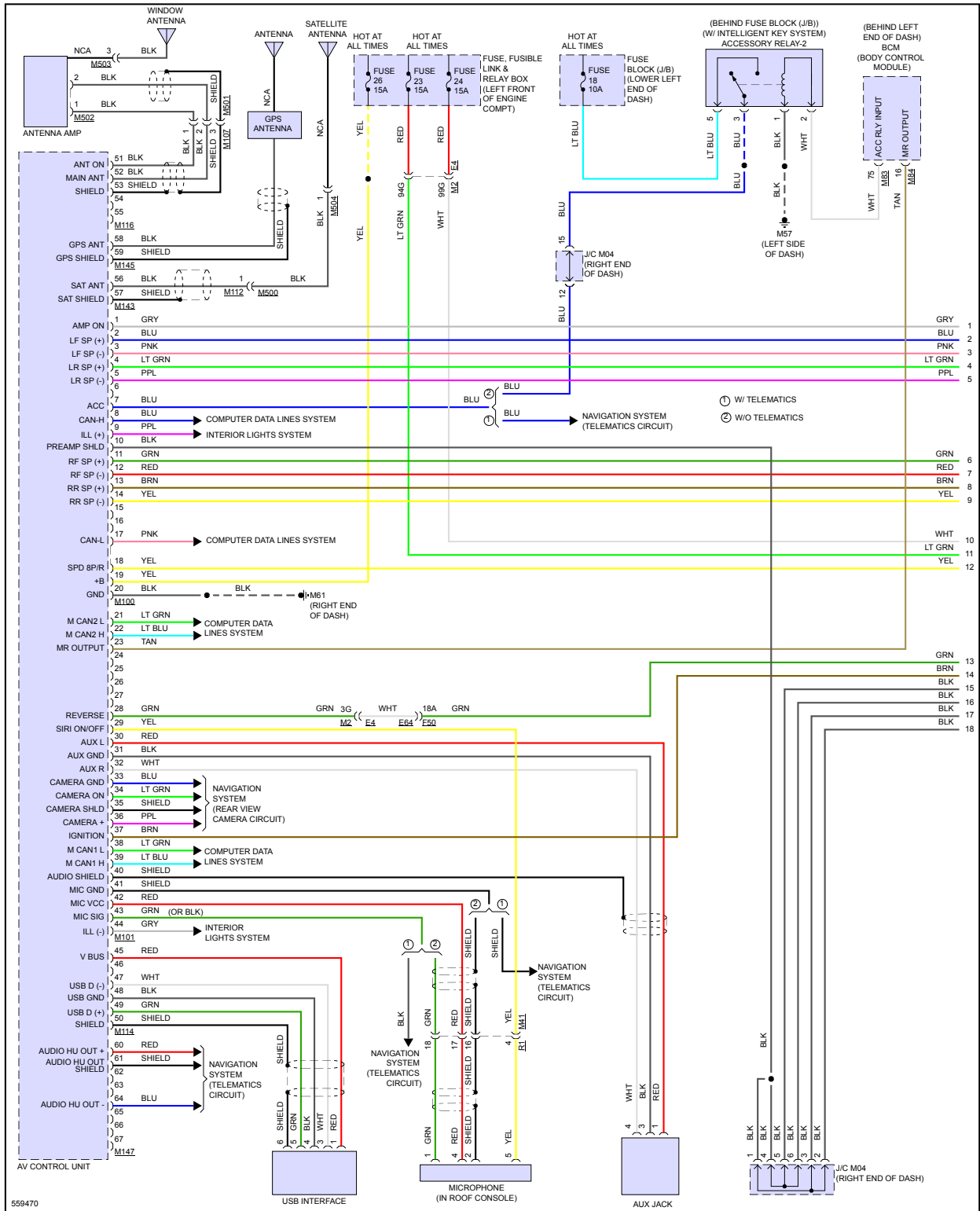


Fig 3: Navigation Circuit, W/ Bose (2 of 3)

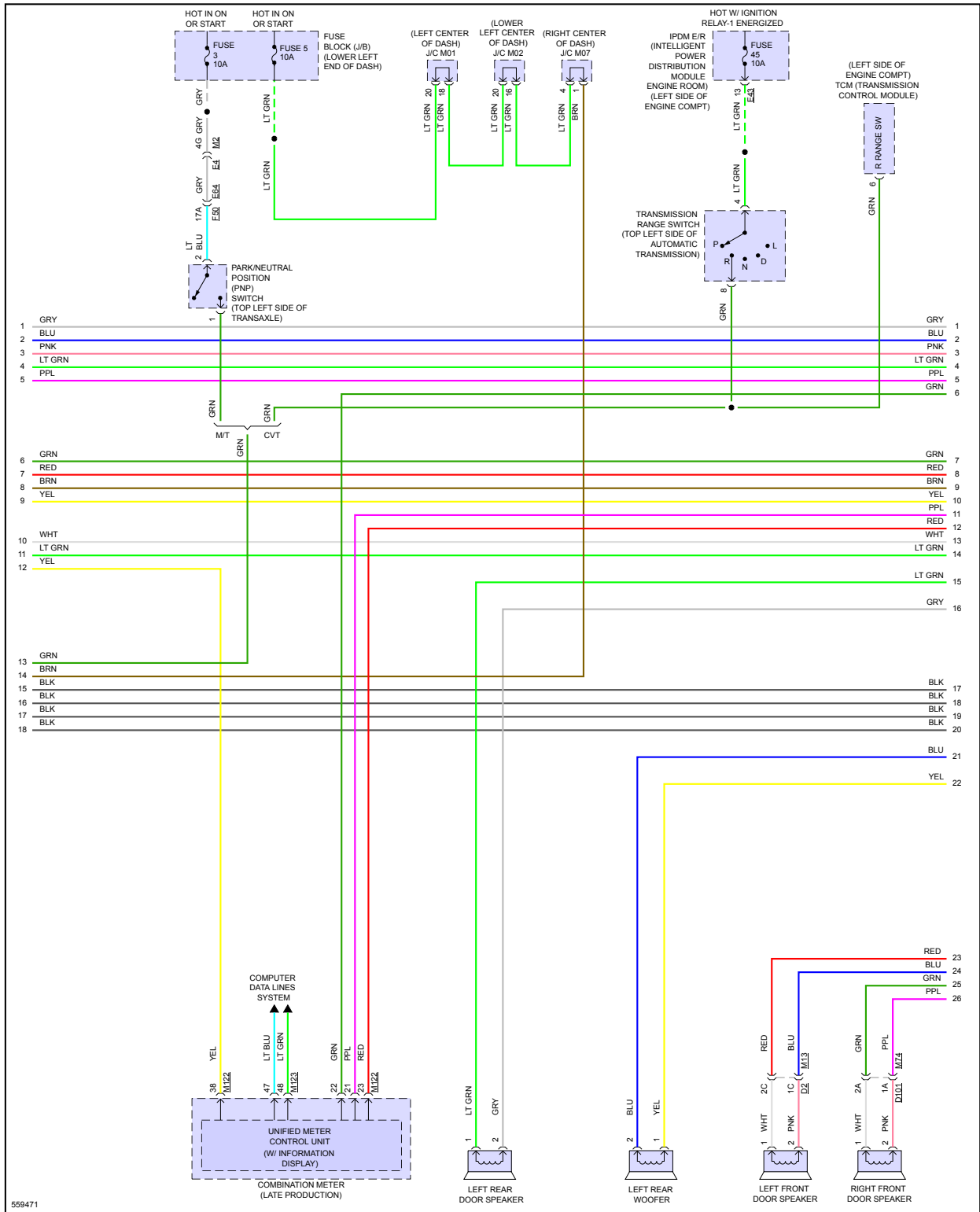


Fig 4: Navigation Circuit, W/ Bose (3 of 3)

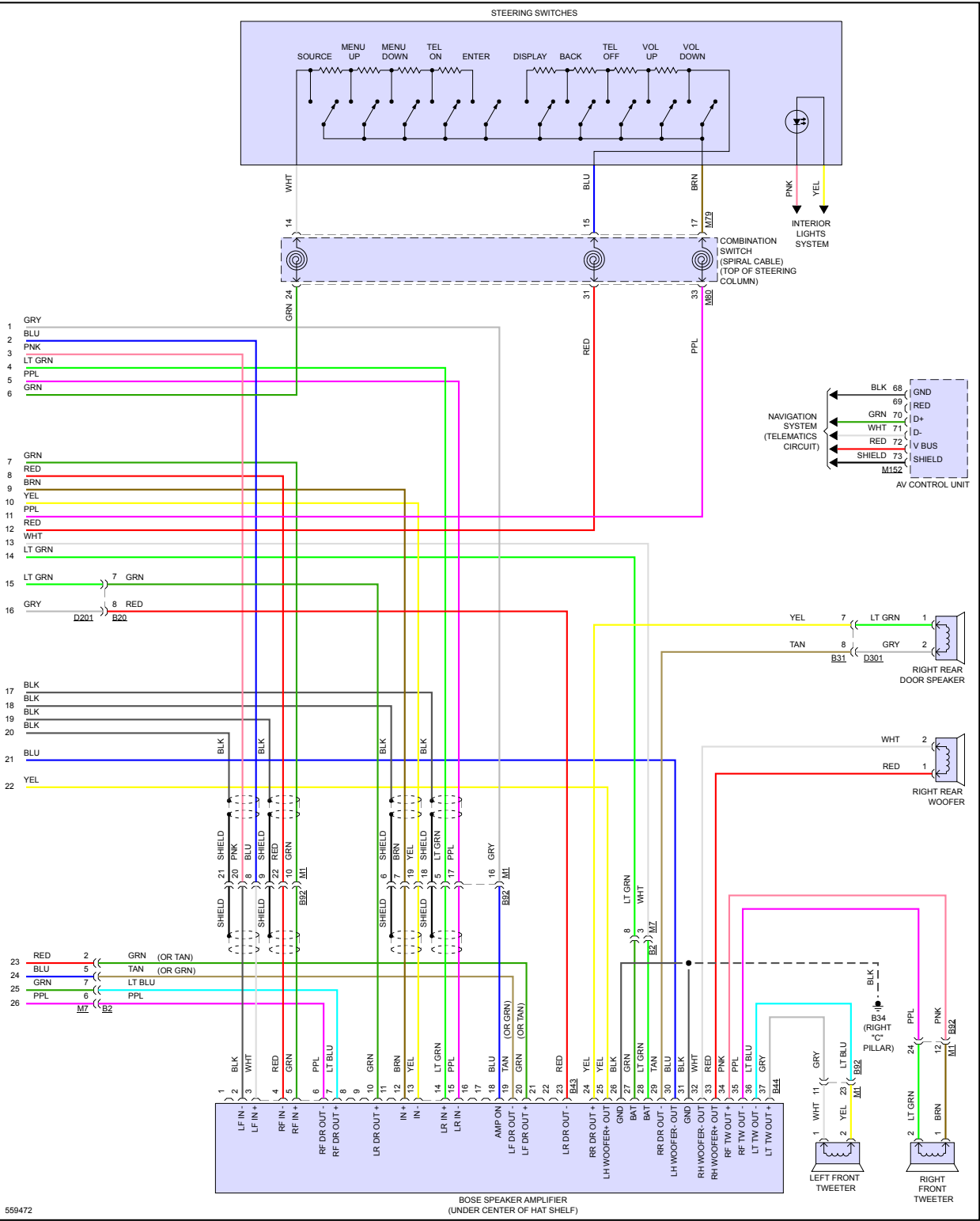


Fig 5: Navigation Circuit, W/O Bose (1 of 2)

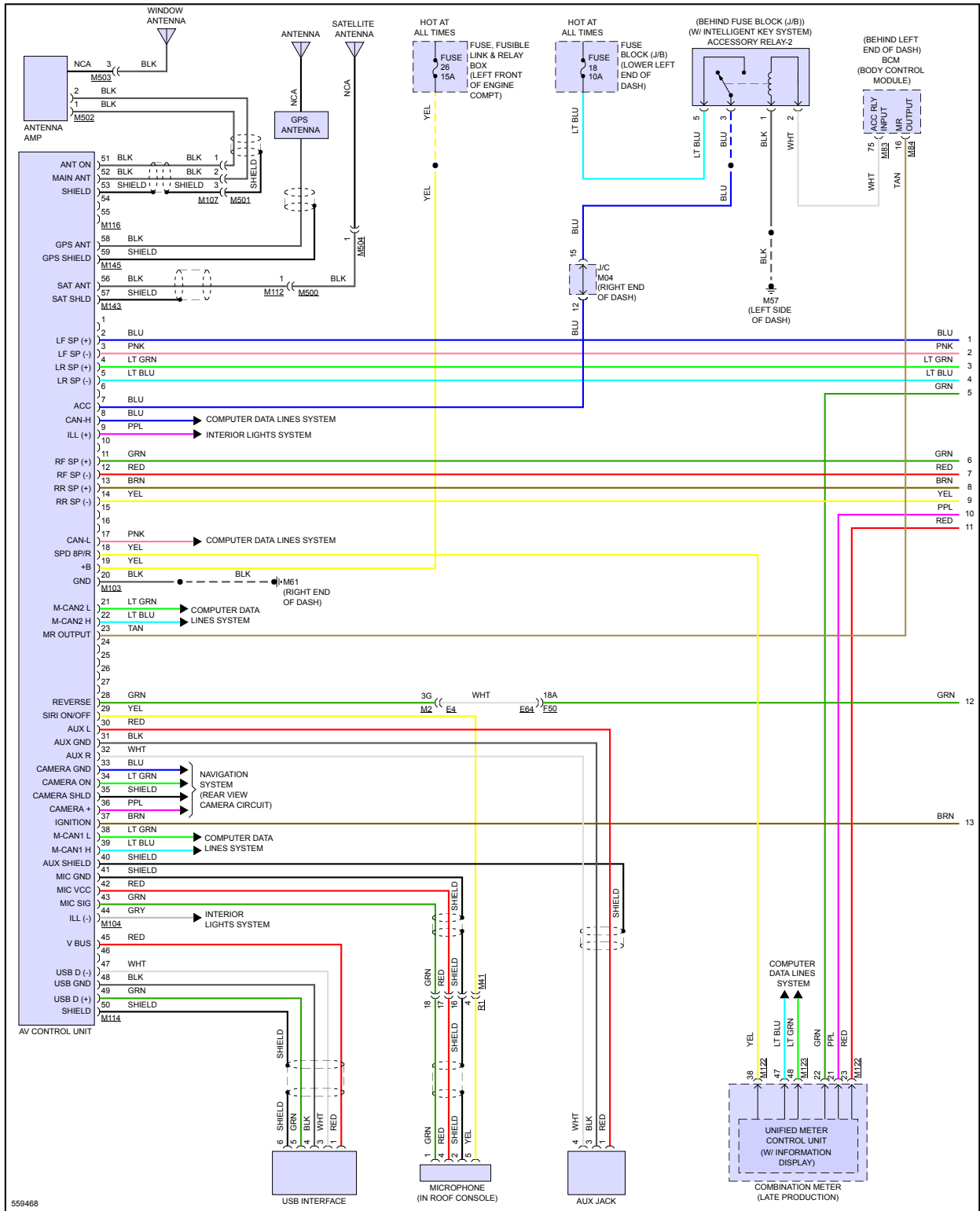


Fig 6: Navigation Circuit, W/O Bose (2 of 2)

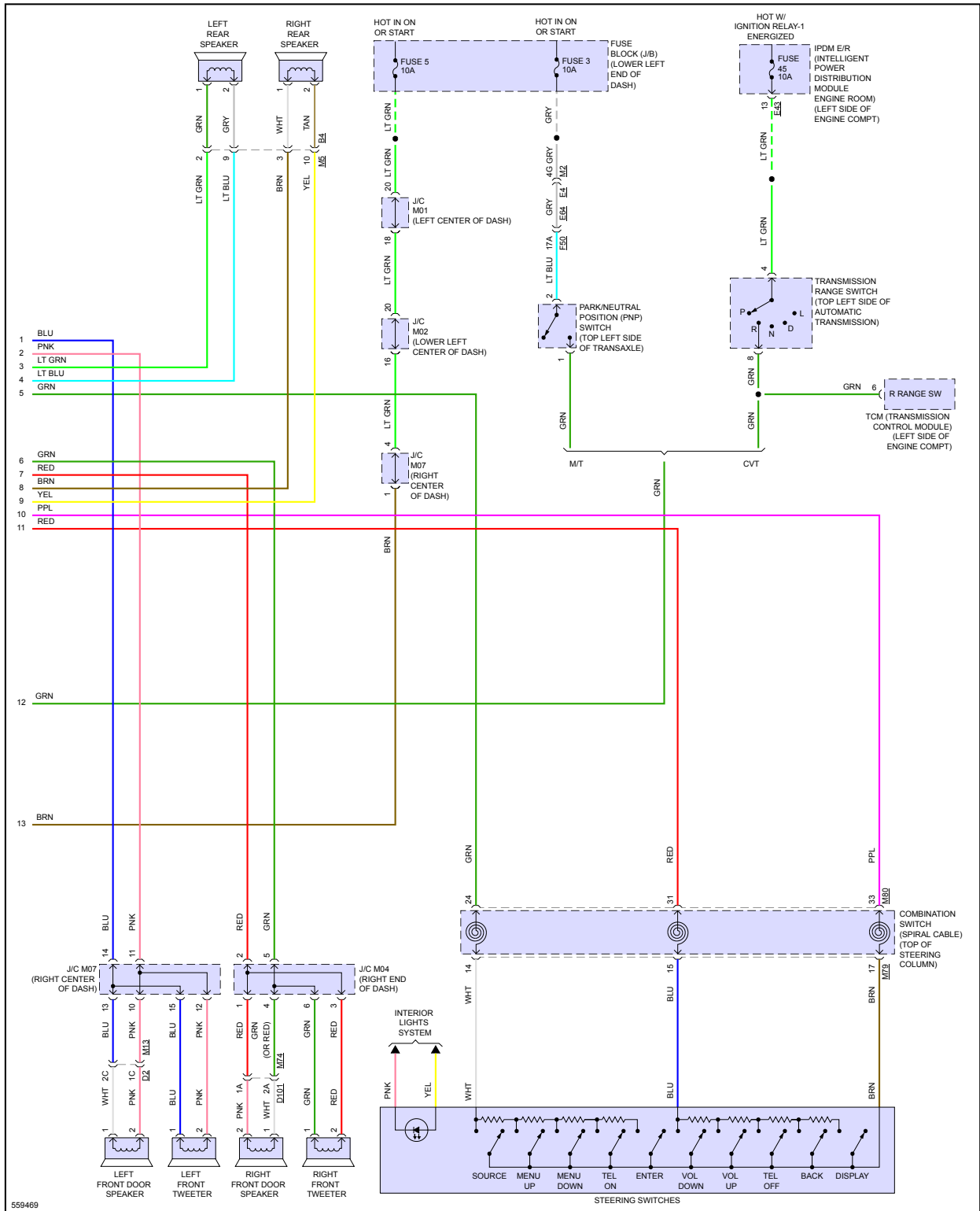


Fig 7: Rear View Camera Circuit

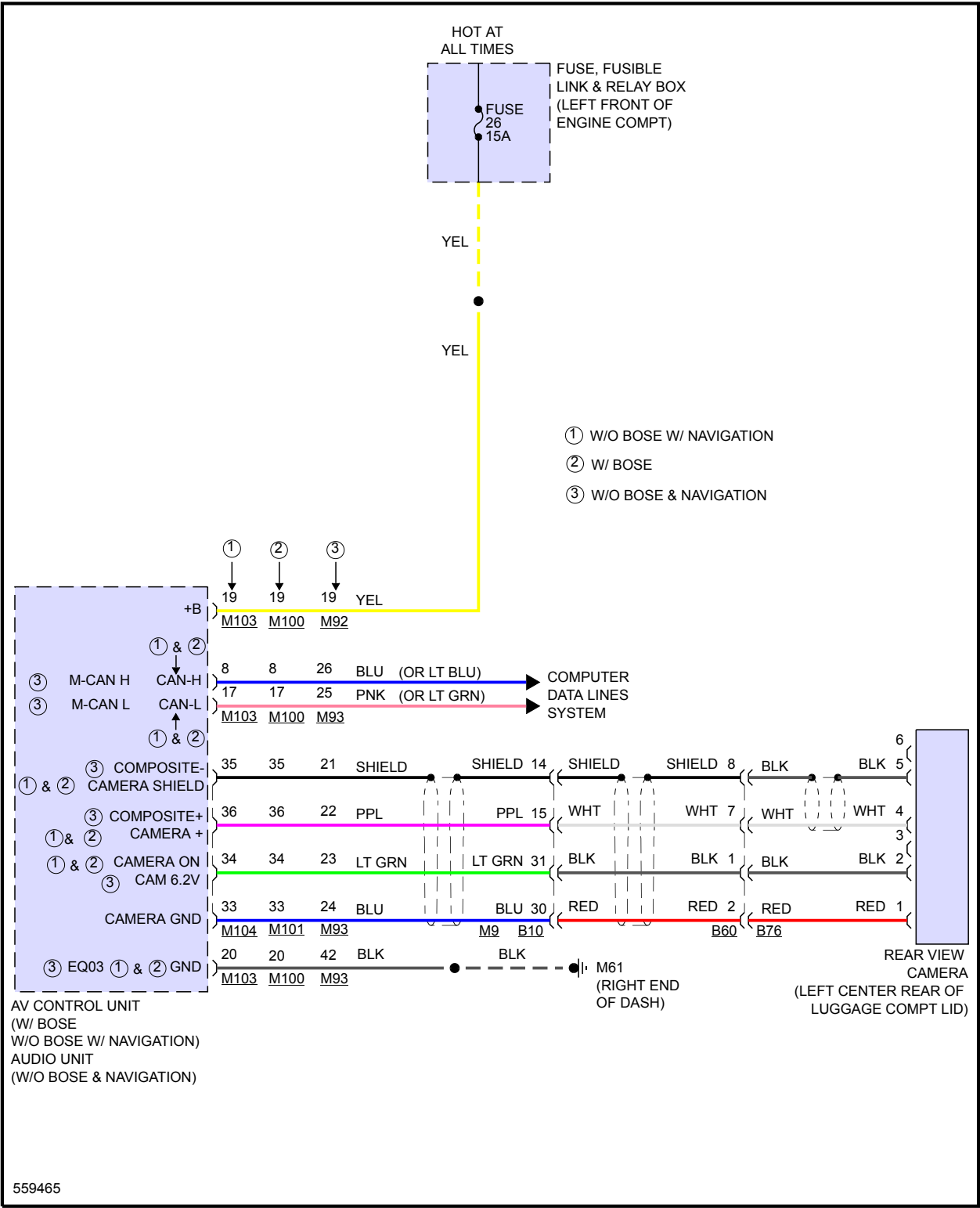


Fig 8: Telematics Circuit

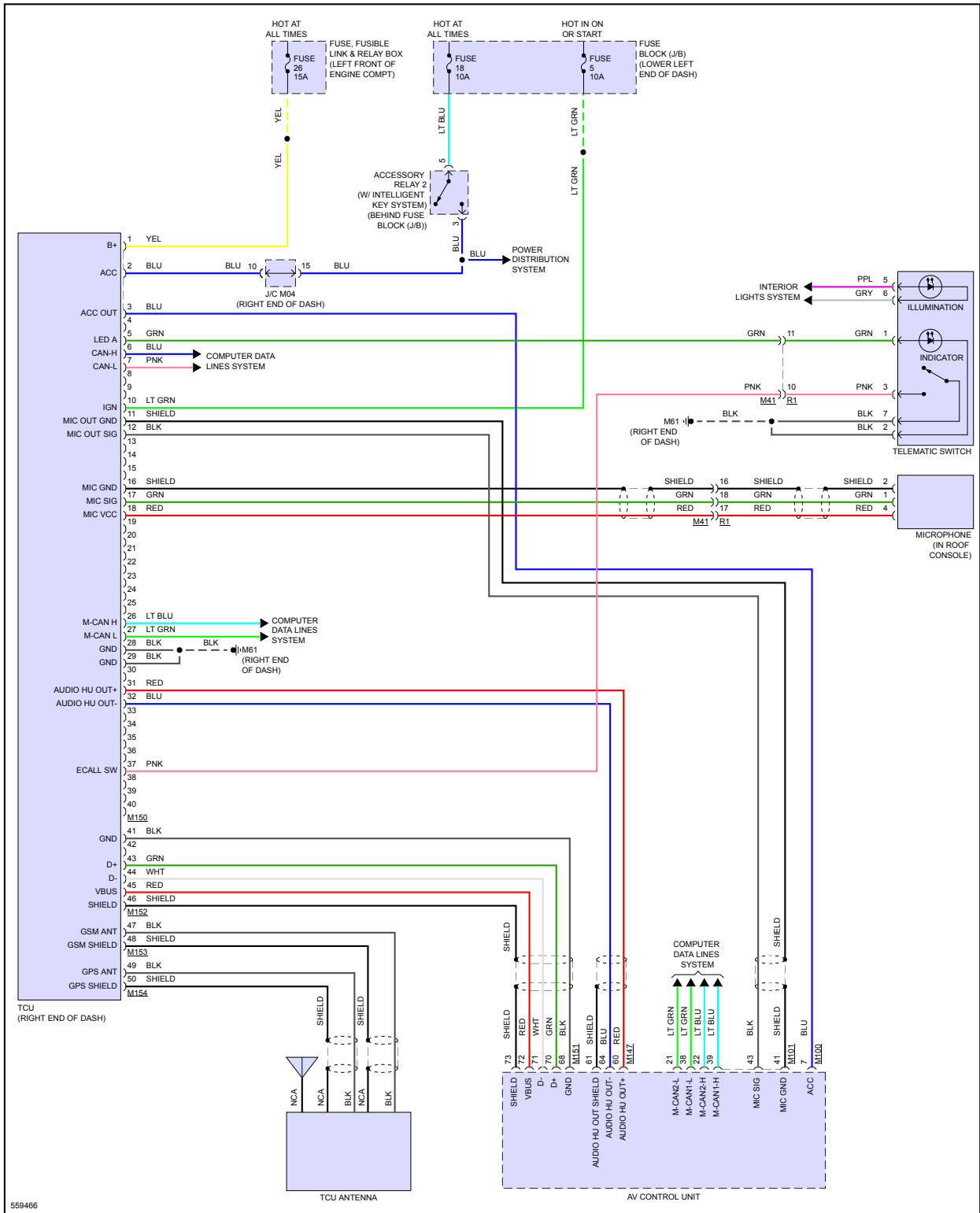


Fig 2: Power Distribution Circuit (2 of 3)

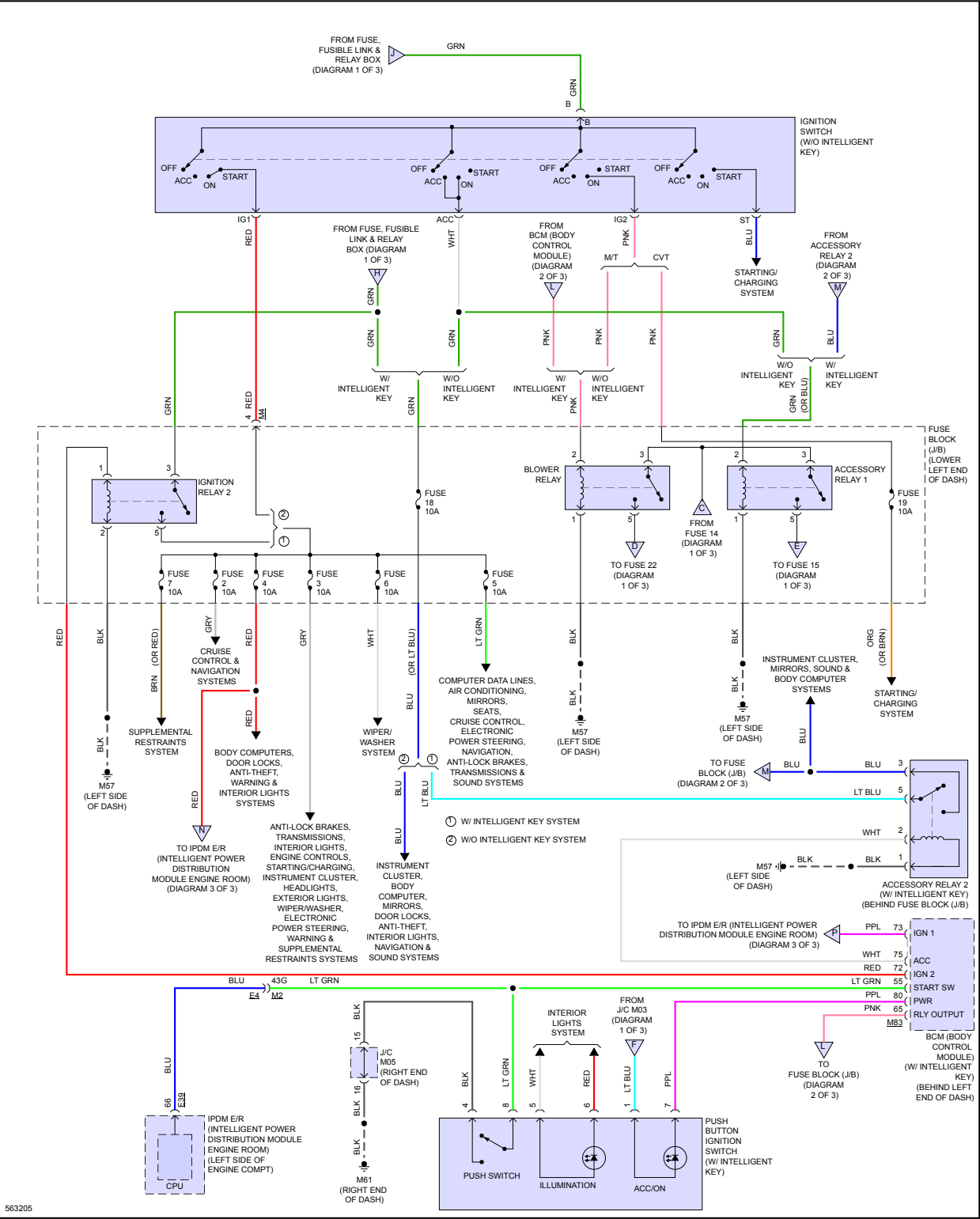


Fig 3: Power Distribution Circuit (3 of 3)

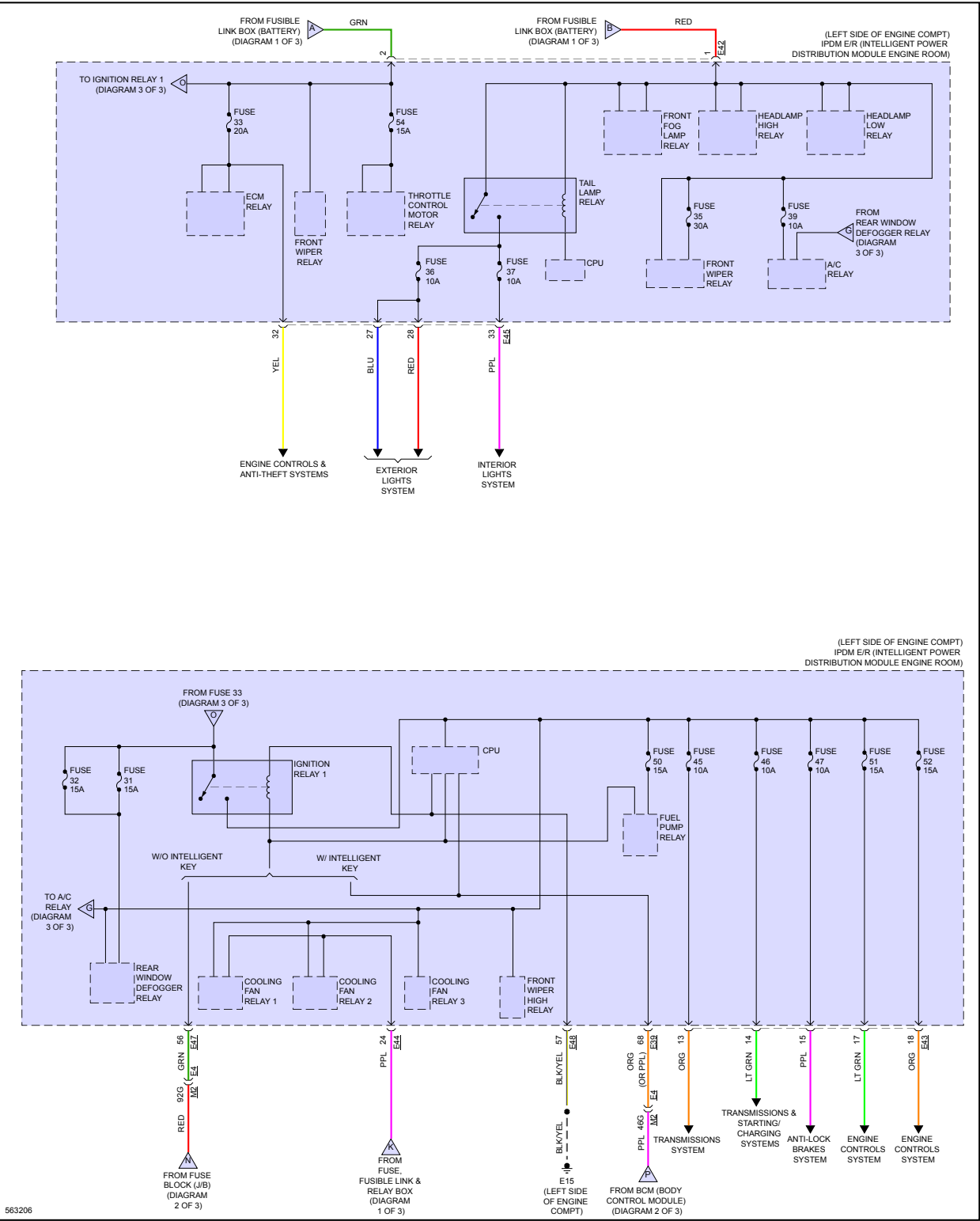


Fig 1: Power Door Locks Circuit, W/ Intelligent Key Unit (1 of 3)



Fig 2: Power Door Locks Circuit, W/ Intelligent Key Unit (2 of 3)



Fig 3: Power Door Locks Circuit, W/ Intelligent Key Unit (3 of 3)

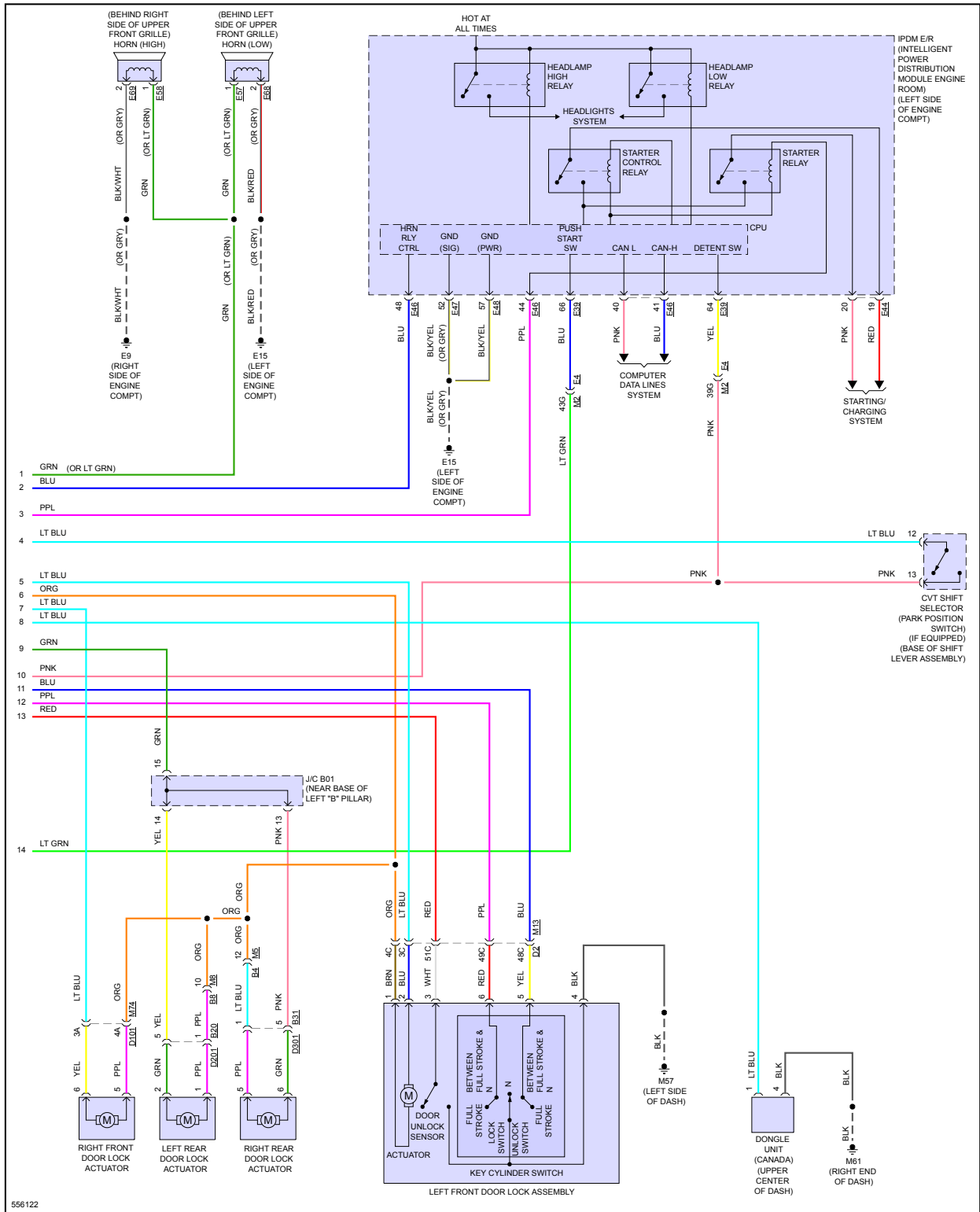


Fig 4: Power Door Locks Circuit, W/O Intelligent Key Unit (1 of 3)

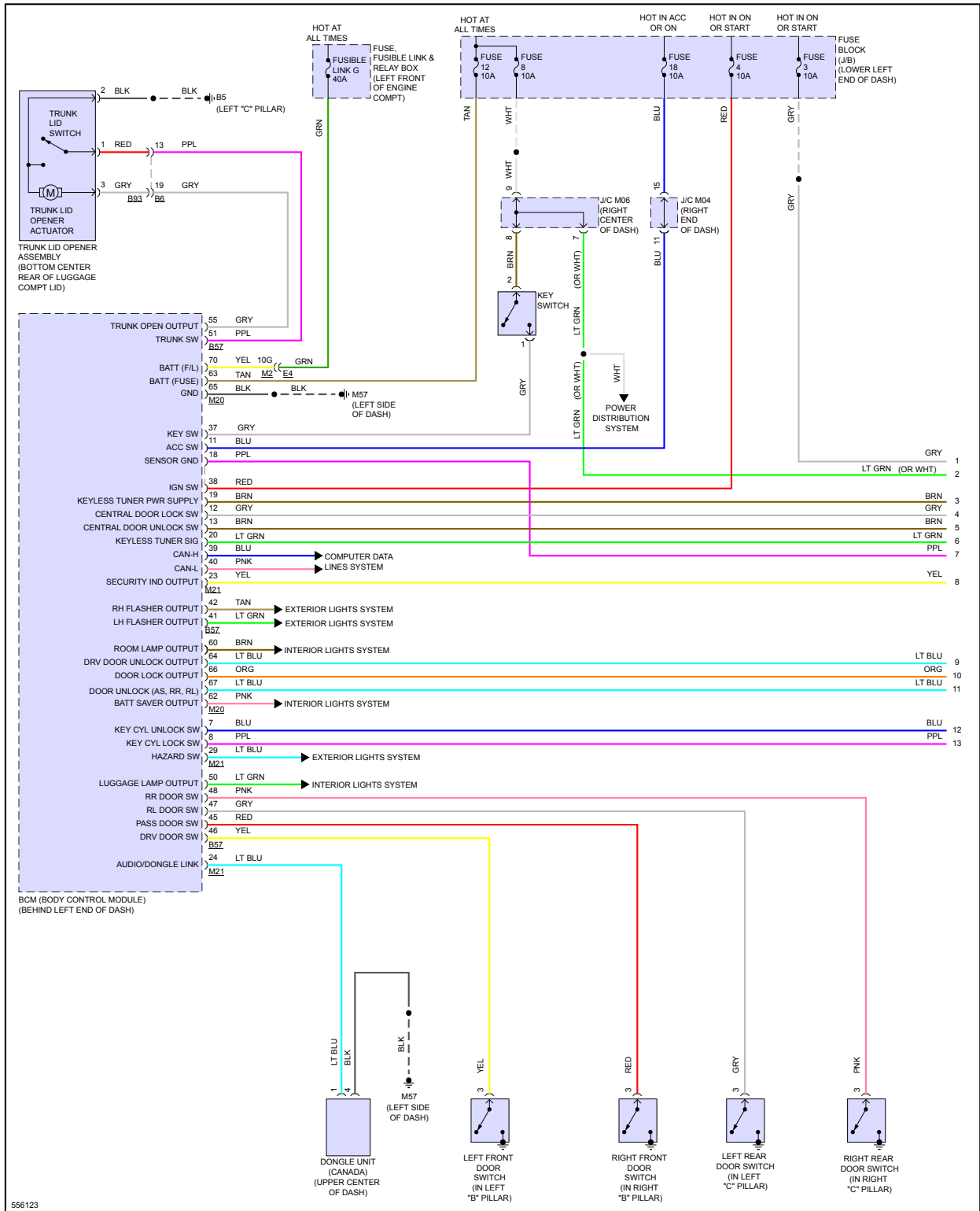


Fig 5: Power Door Locks Circuit, W/O Intelligent Key Unit (2 of 3)

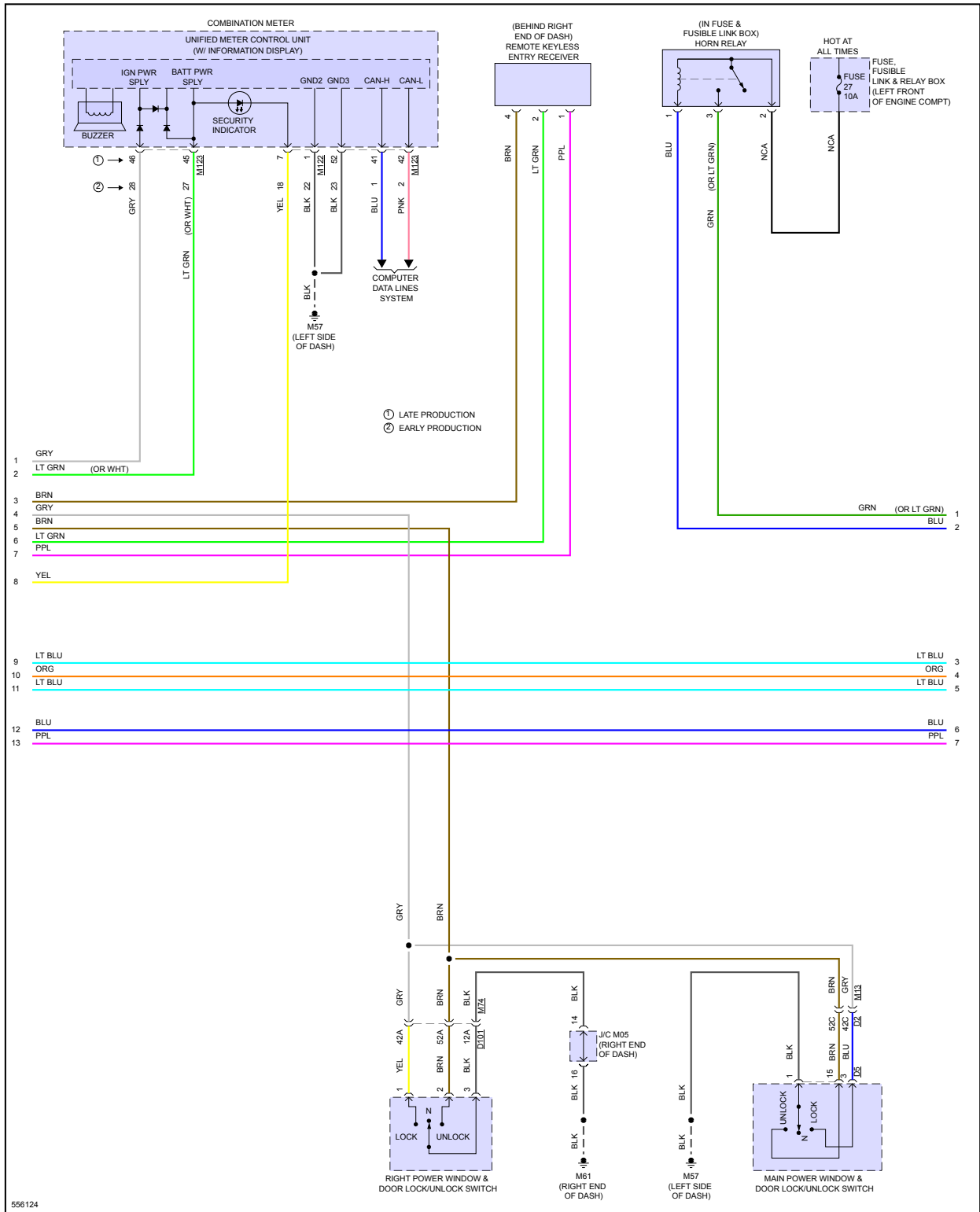
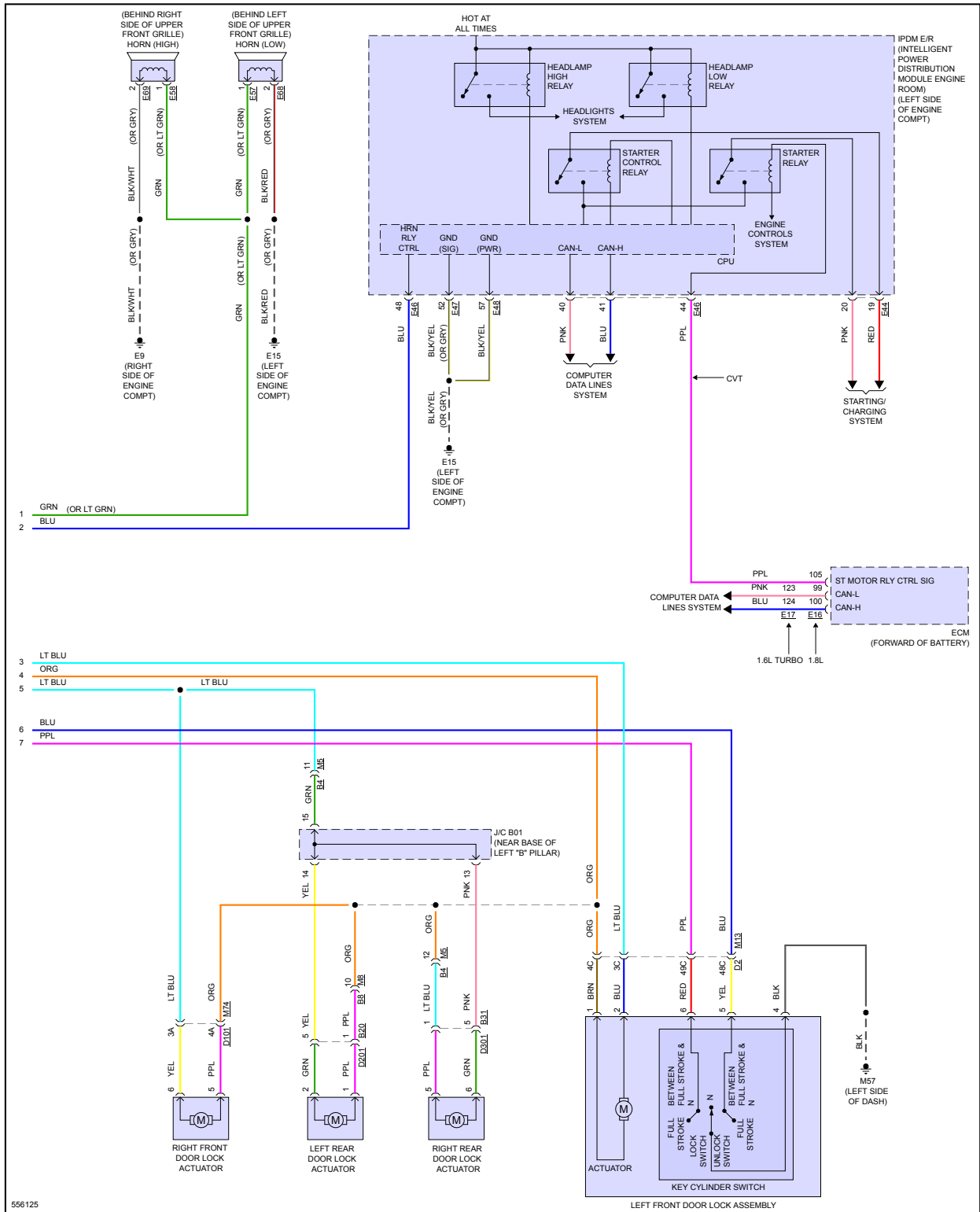


Fig 6: Power Door Locks Circuit, W/O Intelligent Key Unit (3 of 3)



POWER MIRRORS

Fig 1: Auto Anti-dazzling Inside Mirror Circuit, W/ Homelink Universal Transceiver

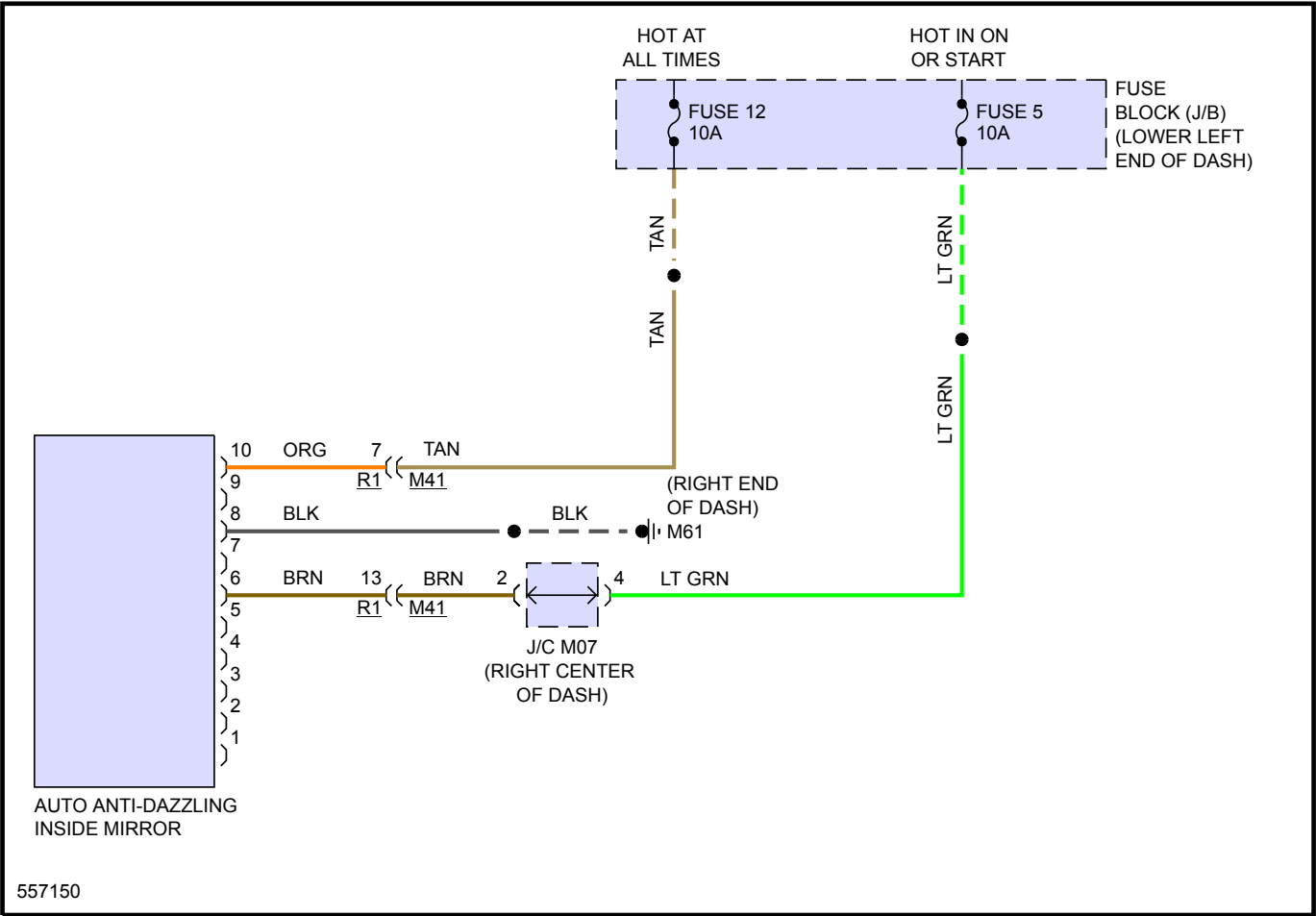
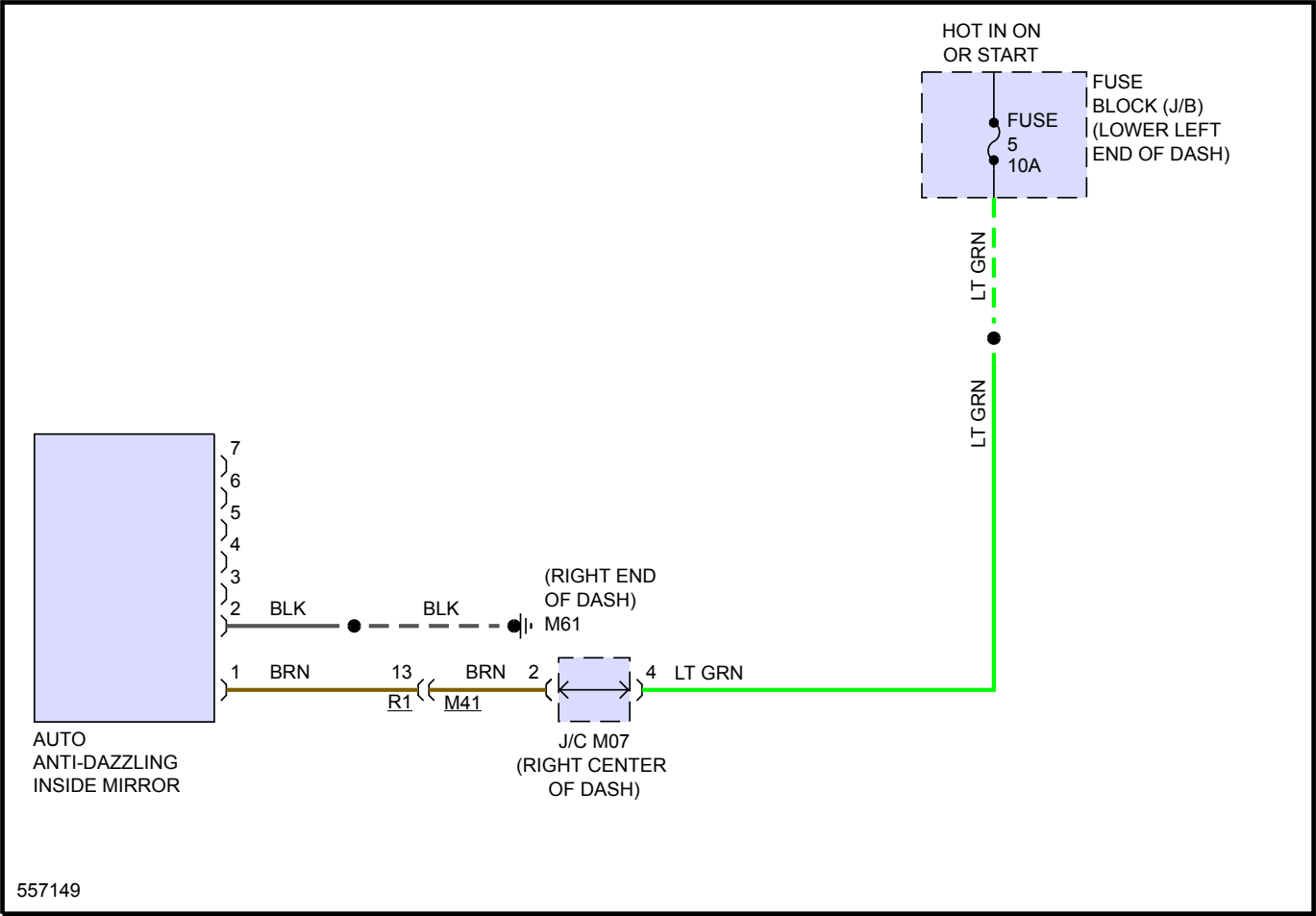


Fig 2: Auto Anti-dazzling Inside Mirror Circuit, W/O Homelink Universal Transceiver



POWER SEATS

Fig 1: Driver Power Seat Circuit

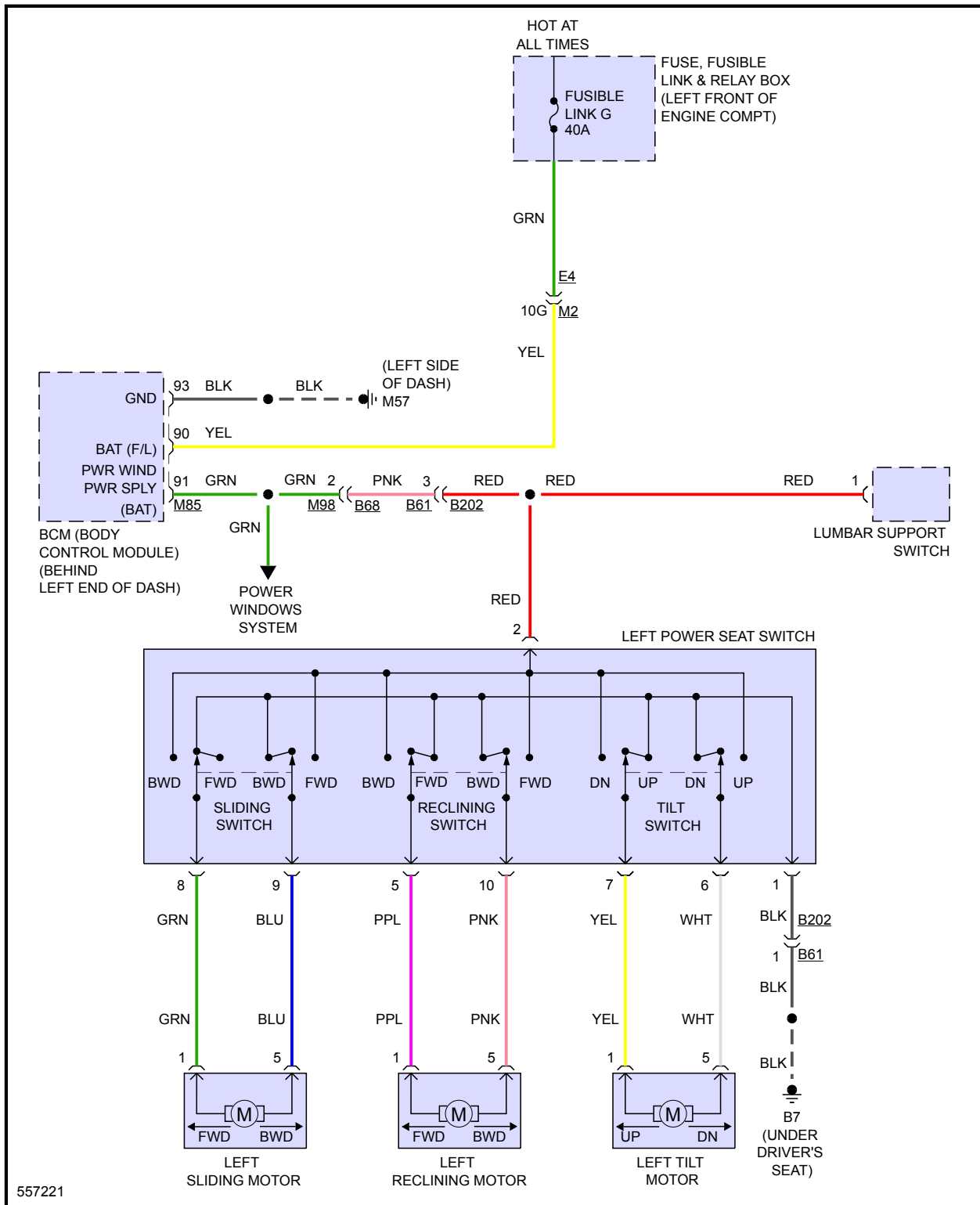


Fig 2: Front Heated Seats Circuit

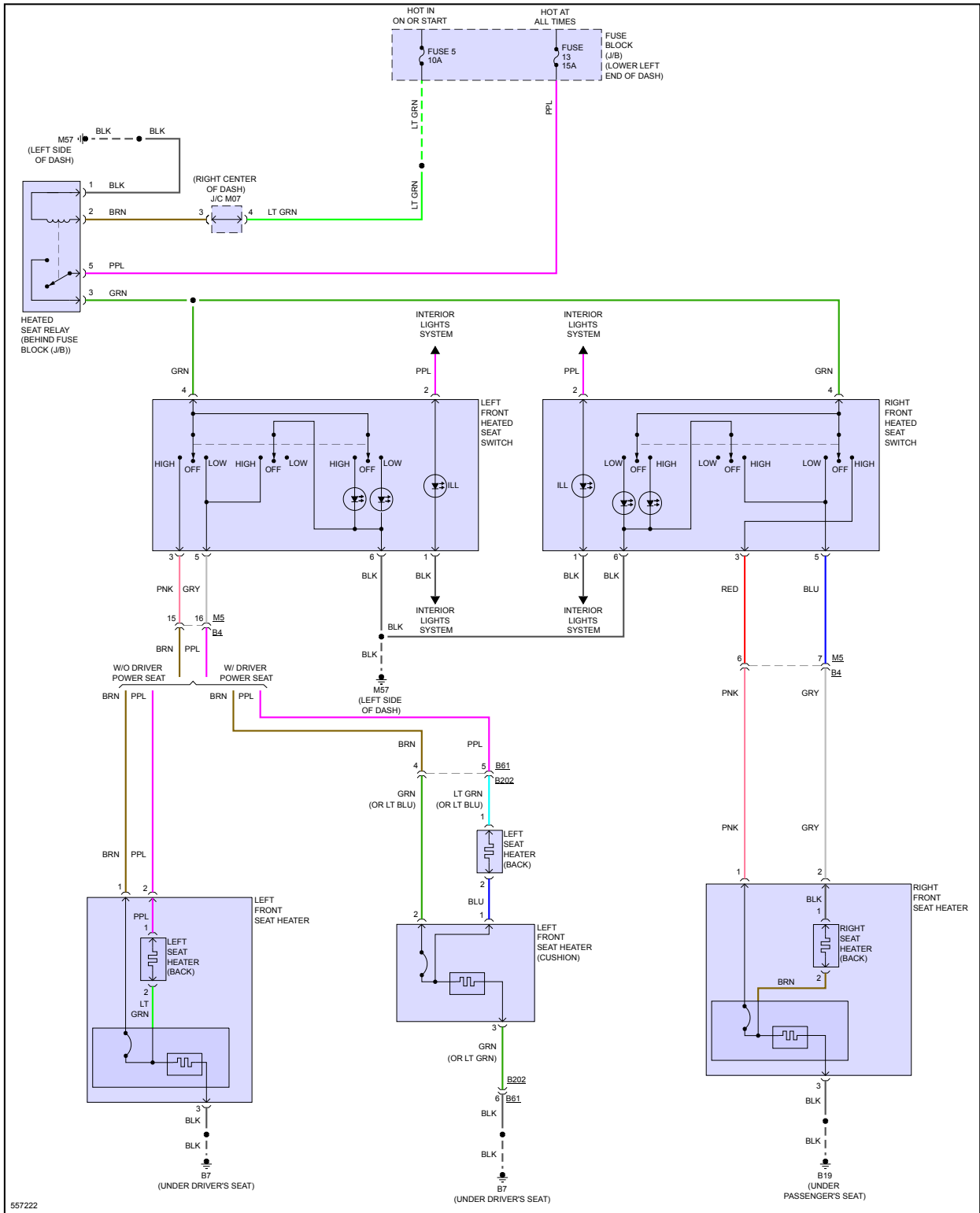
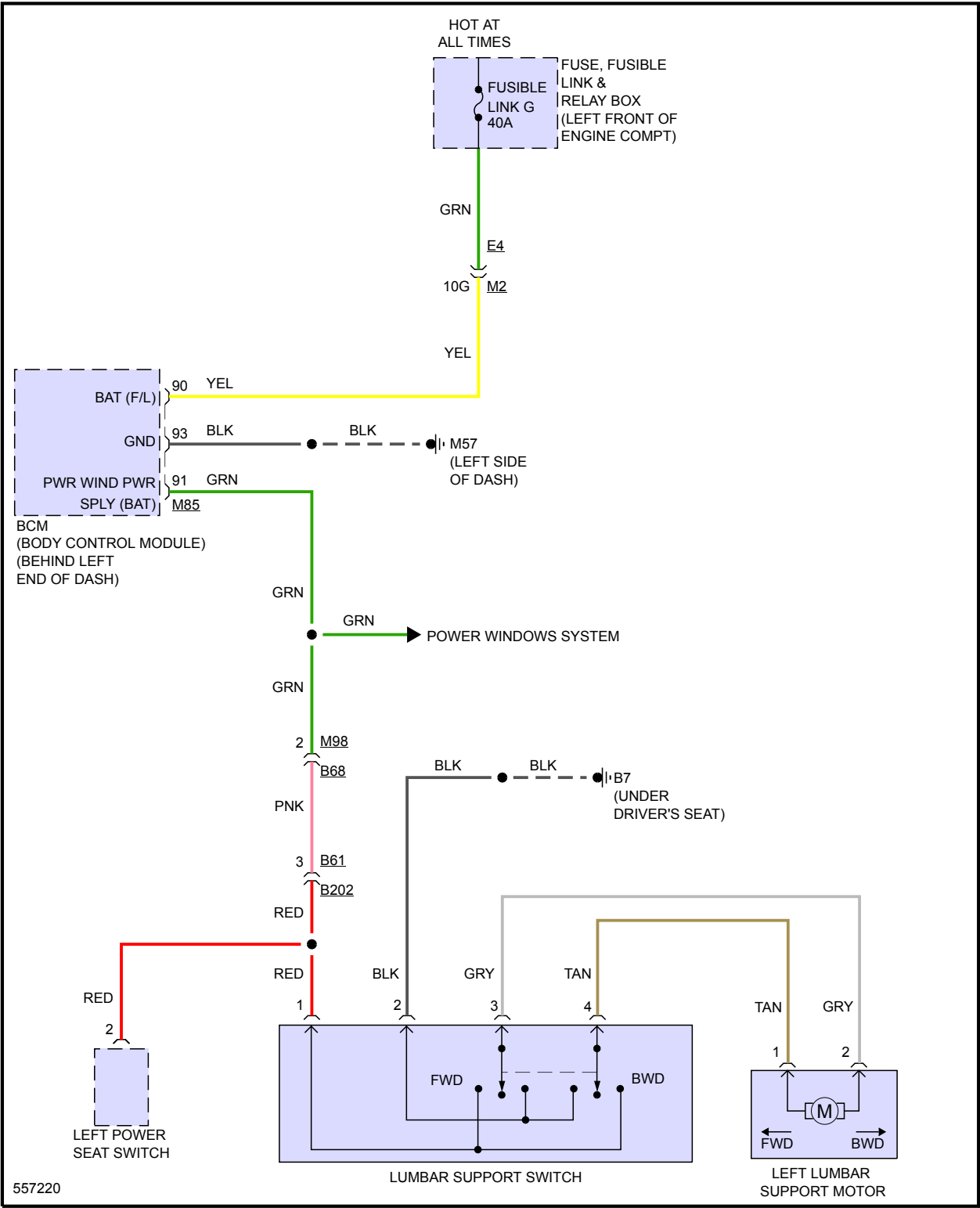
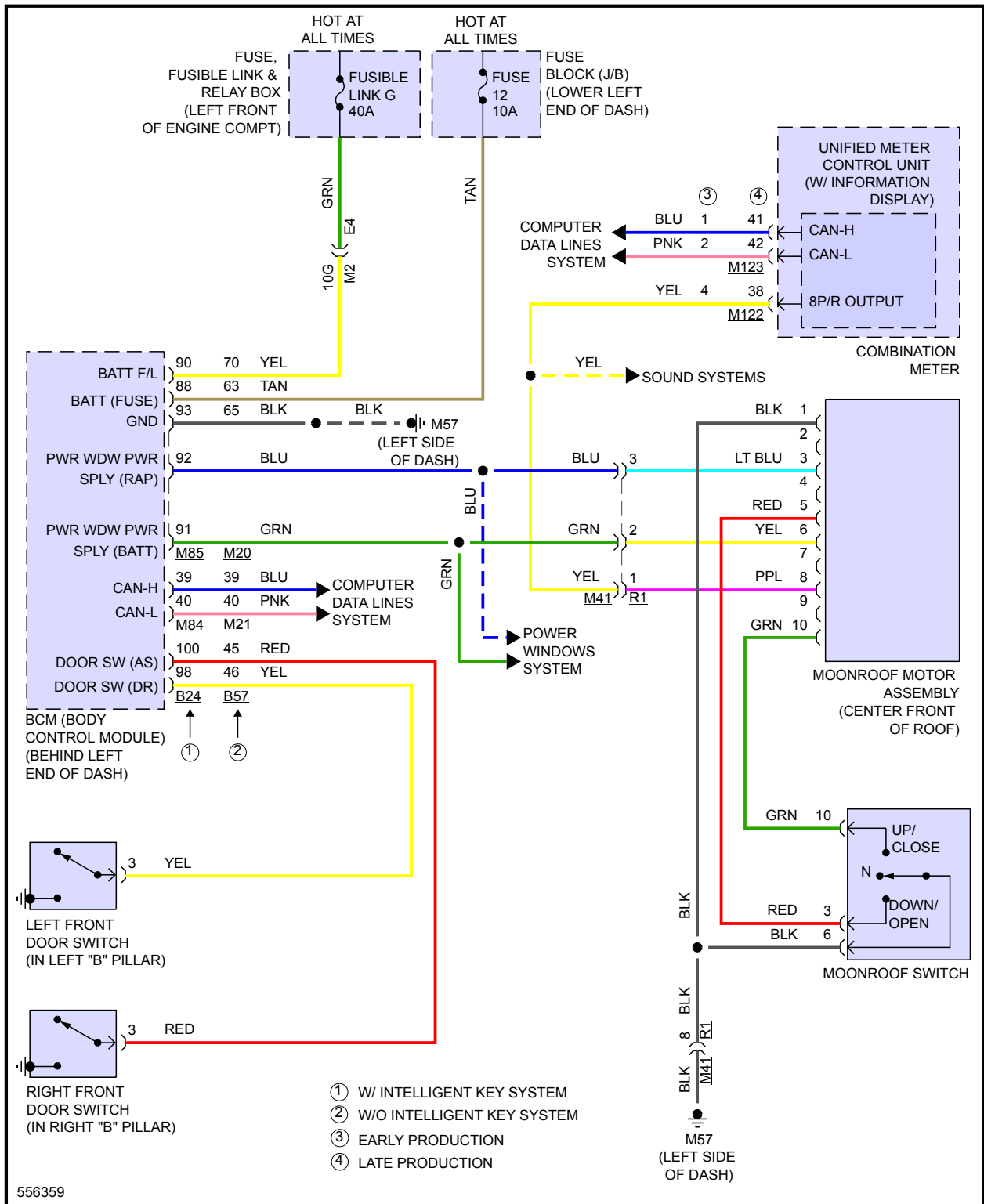


Fig 3: Lumbar Circuit



POWER TOP/SUNROOF

Fig 1: Power Top/Sunroof Circuit



POWER WINDOWS

Fig 1: Power Windows Circuit (1 of 2)

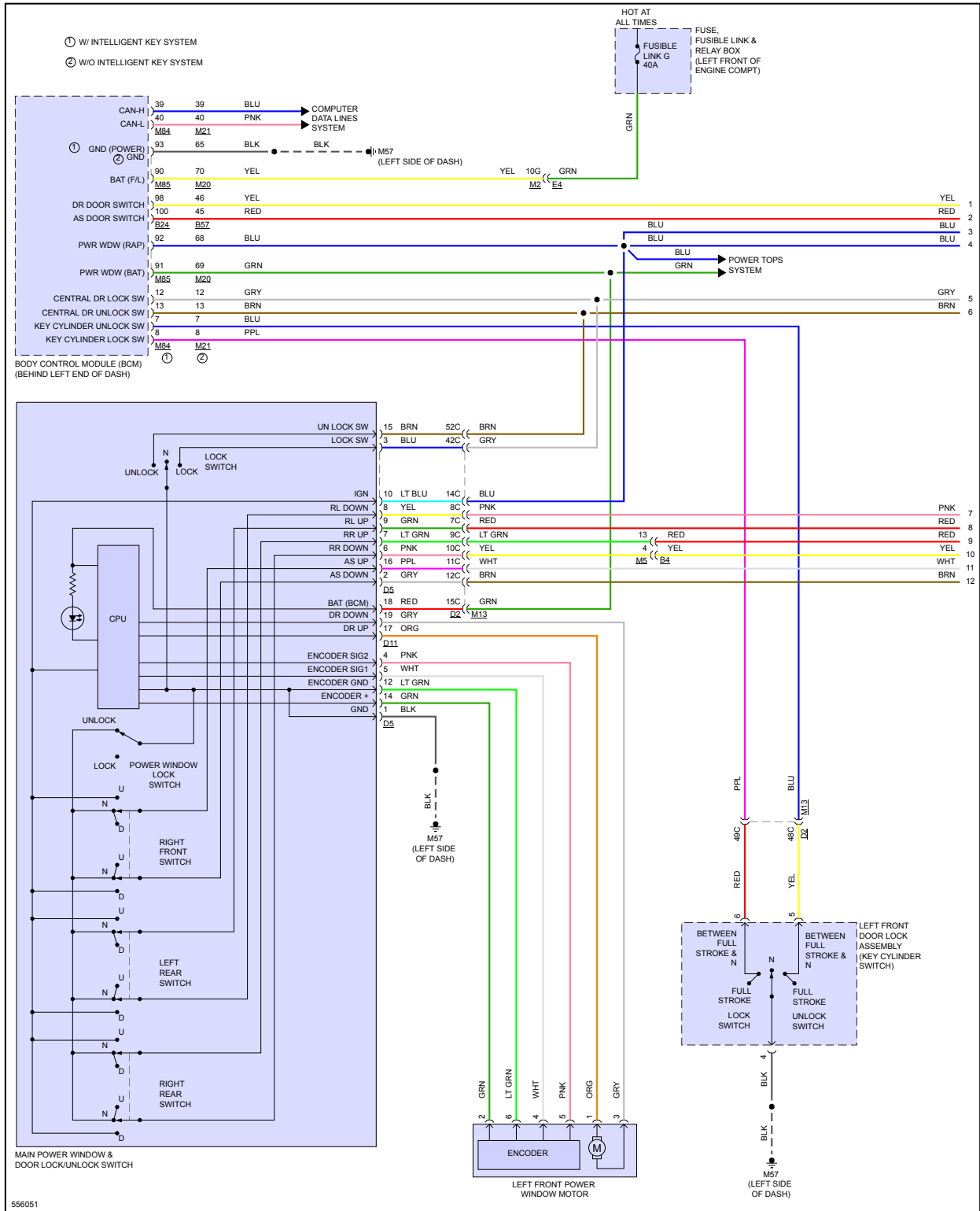
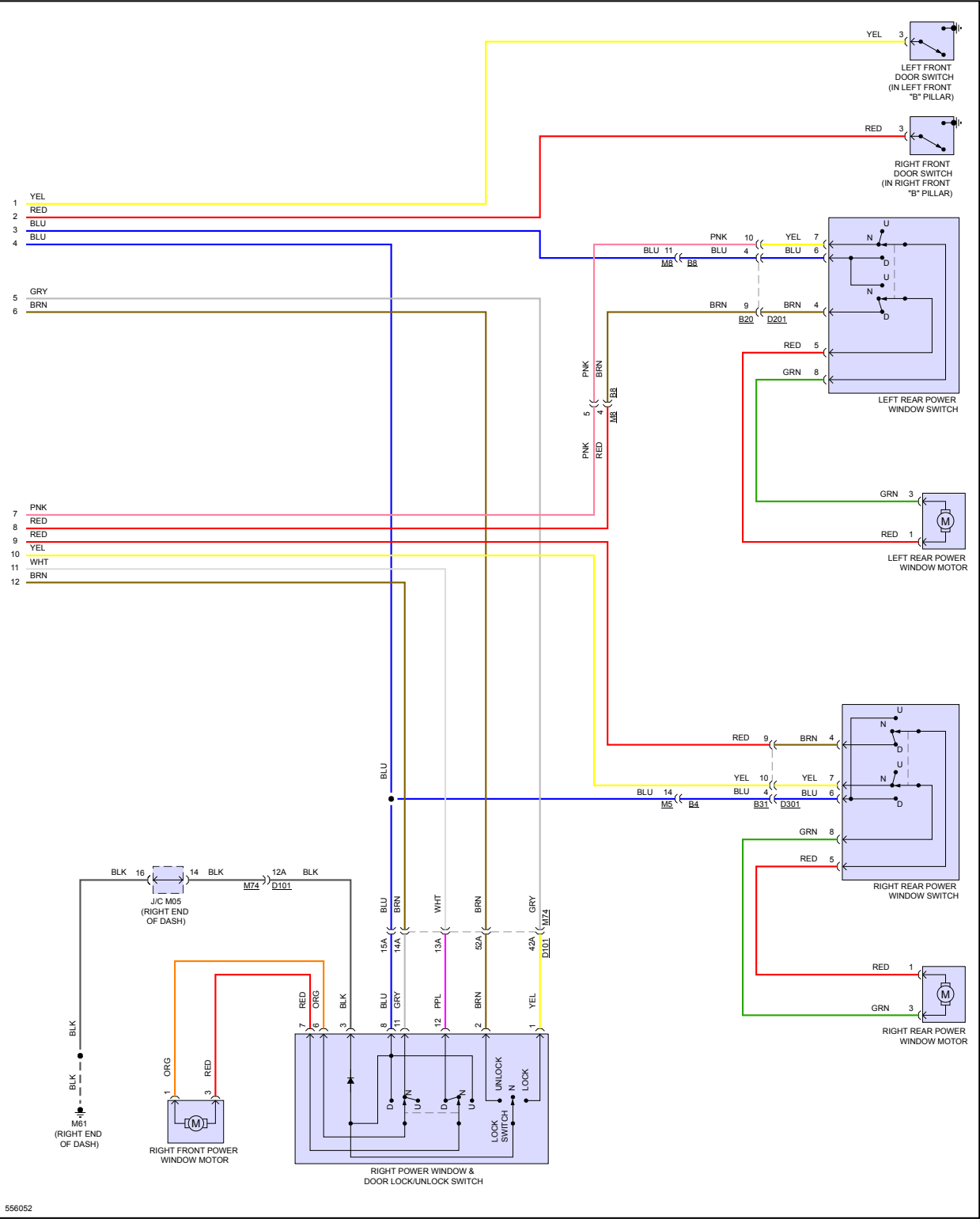


Fig 2: Power Windows Circuit (2 of 2)



RADIO

Fig 1: Radio Circuit, Base (1 of 2)

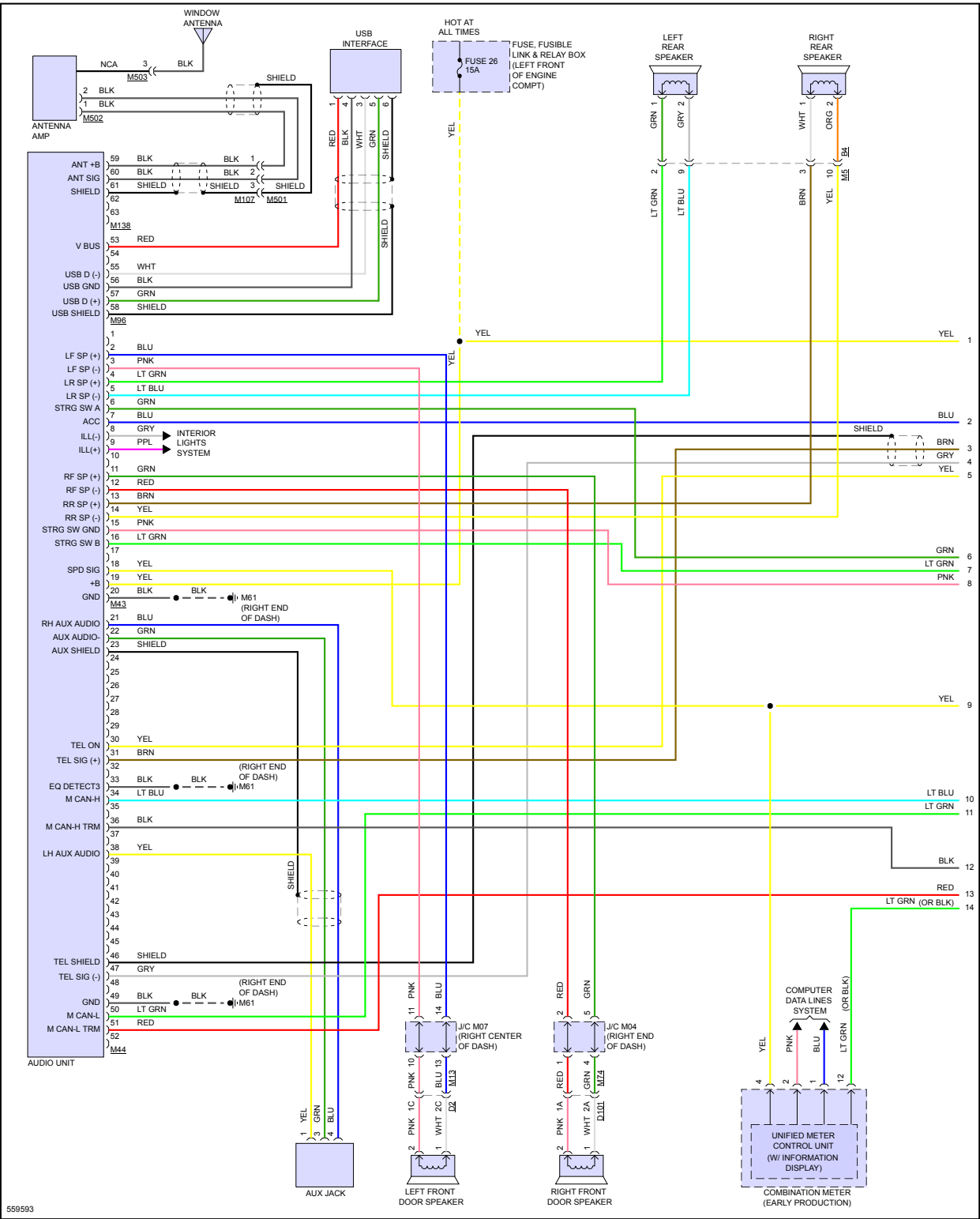
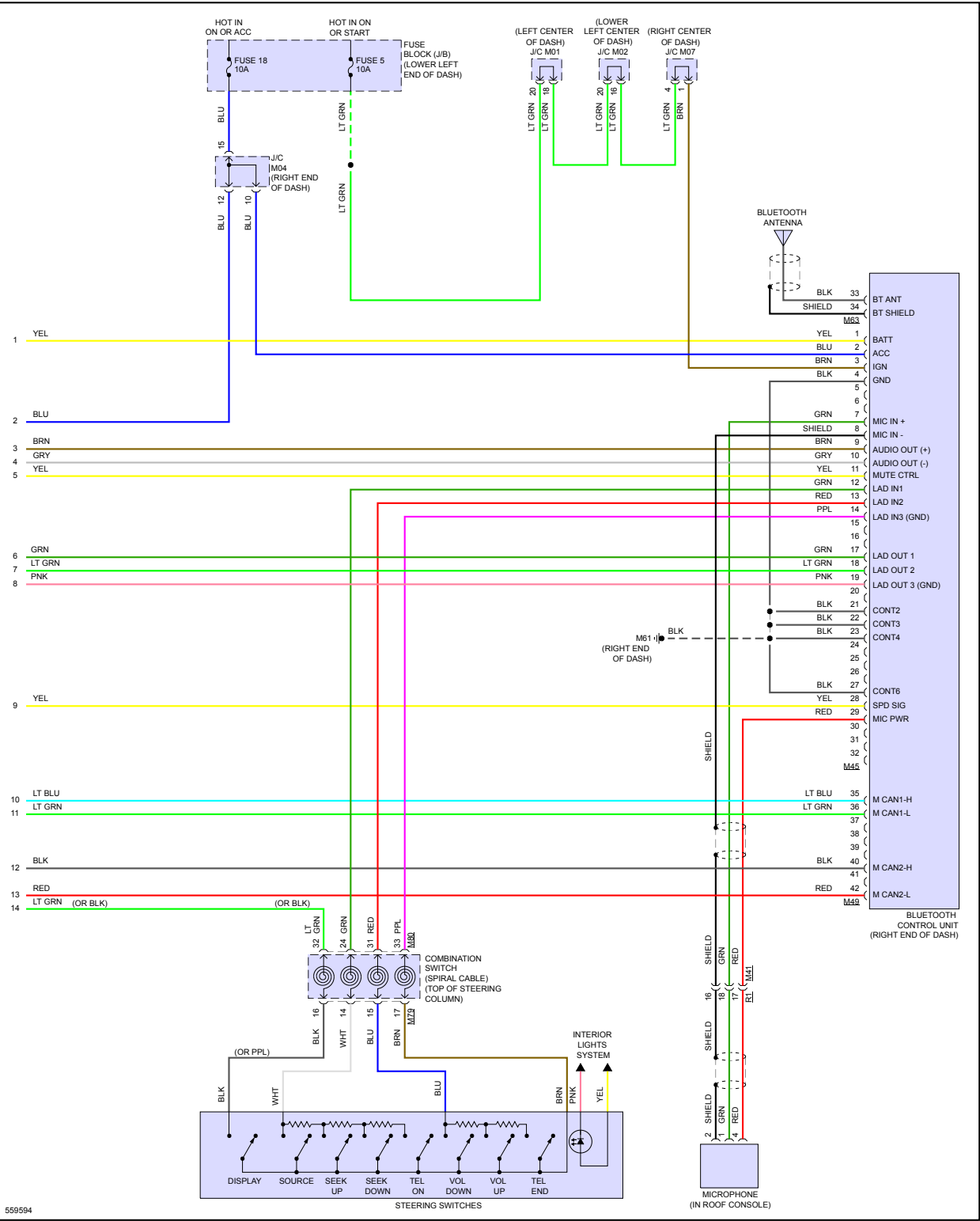


Fig 2: Radio Circuit, Base (2 of 2)



Wiring Diagram Components and Connections:

- Antennas:** WINDOW ANTENNA, ANTENNA, GPS ANTENNA, SATELLITE ANTENNA.
- Fuses:** FUSE 26 15A, FUSE 23 15A, FUSE 24 15A, FUSE 18 10A.
- Relays:** ACCESSORY RELAY-2 (BEHIND FUSE BLOCK (J/B)).
- Connectors:** JIC M04 (RIGHT END OF DASH), JIC M01 (RIGHT END OF DASH), JIC M02 (RIGHT END OF DASH).
- AV Control Unit:** ANT ON, MAIN ANT SHIELD, GPS ANT, GPS SHIELD, SAT ANT, SAT SHIELD, AMP ON, LF SP (+), LF SP (-), LR SP (+), LR SP (-), ACC, CAN-H, ILL (+), PREAMP SHLD, RF SP (+), RF SP (-), RR SP (+), RR SP (-), CAN-L, SPD 8P/R, GND, M CAN2 L, M CAN2 H, MR OUTPUT, REVERSE, SIRI ON/OFF, AUX L, AUX GND, AUX R, CAMERA GND, CAMERA ON, CAMERA SHLD, CAMERA +, IGNITION, M CAN1 L, M CAN1 H, AUDIO SHIELD, MIC GND, MIC VCC, MIC SIG, ILL (-), V BUS, USB D (-), USB GND, USB D (+), SHIELD, AUDIO HU OUT +, AUDIO HU OUT -.
- Navigation System (Telematics Circuit):** COMPUTER DATA LINES SYSTEM, INTERIOR LIGHTS SYSTEM, NAVIGATION SYSTEM (TELEMATICS CIRCUIT).
- Microphone:** MICROPHONE (IN ROOF CONSOLE).
- Aux Jack:** AUX JACK.
- BCM (Body Control Module):** BCM (BODY CONTROL MODULE).

Wire Color Legend:

- GRY: 1
- BLU: 2
- PNK: 3
- LT GRN: 4
- PPL: 5
- GRN: 6
- RED: 7
- BRN: 8
- YEL: 9
- WHT: 10
- LT GRN: 11
- YEL: 12
- GRN: 13
- BRN: 14
- BLK: 15
- BLK: 16
- BLK: 17
- BLK: 18

AV Control Unit Pinout:

- 1: ANT ON
- 2: MAIN ANT SHIELD
- 3: GPS ANT
- 4: GPS SHIELD
- 5: SAT ANT
- 6: SAT SHIELD
- 7: AMP ON
- 8: LF SP (+)
- 9: LF SP (-)
- 10: LR SP (+)
- 11: LR SP (-)
- 12: ACC
- 13: CAN-H
- 14: ILL (+)
- 15: PREAMP SHLD
- 16: RF SP (+)
- 17: RF SP (-)
- 18: RR SP (+)
- 19: RR SP (-)
- 20: CAN-L
- 21: SPD 8P/R
- 22: GND
- 23: M CAN2 L
- 24: M CAN2 H
- 25: MR OUTPUT
- 26: REVERSE
- 27: SIRI ON/OFF
- 28: AUX L
- 29: AUX GND
- 30: AUX R
- 31: CAMERA GND
- 32: CAMERA ON
- 33: CAMERA SHLD
- 34: CAMERA +
- 35: IGNITION
- 36: M CAN1 L
- 37: M CAN1 H
- 38: AUDIO SHIELD
- 39: MIC GND
- 40: MIC VCC
- 41: MIC SIG
- 42: ILL (-)
- 43: V BUS
- 44: USB D (-)
- 45: USB GND
- 46: USB D (+)
- 47: SHIELD
- 48: AUDIO HU OUT +
- 49: AUDIO HU OUT -

Navigation System (Telematics Circuit) Pinout:

- 1: COMPUTER DATA LINES SYSTEM
- 2: INTERIOR LIGHTS SYSTEM
- 3: NAVIGATION SYSTEM (TELEMATICS CIRCUIT)

Microphone Pinout:

- 1: MICROPHONE (IN ROOF CONSOLE)

Aux Jack Pinout:

- 1: AUX JACK

BCM (Body Control Module) Pinout:

- 1: BCM (BODY CONTROL MODULE)

Fig 4: Radio Circuit, W/ Bose (2 of 3)

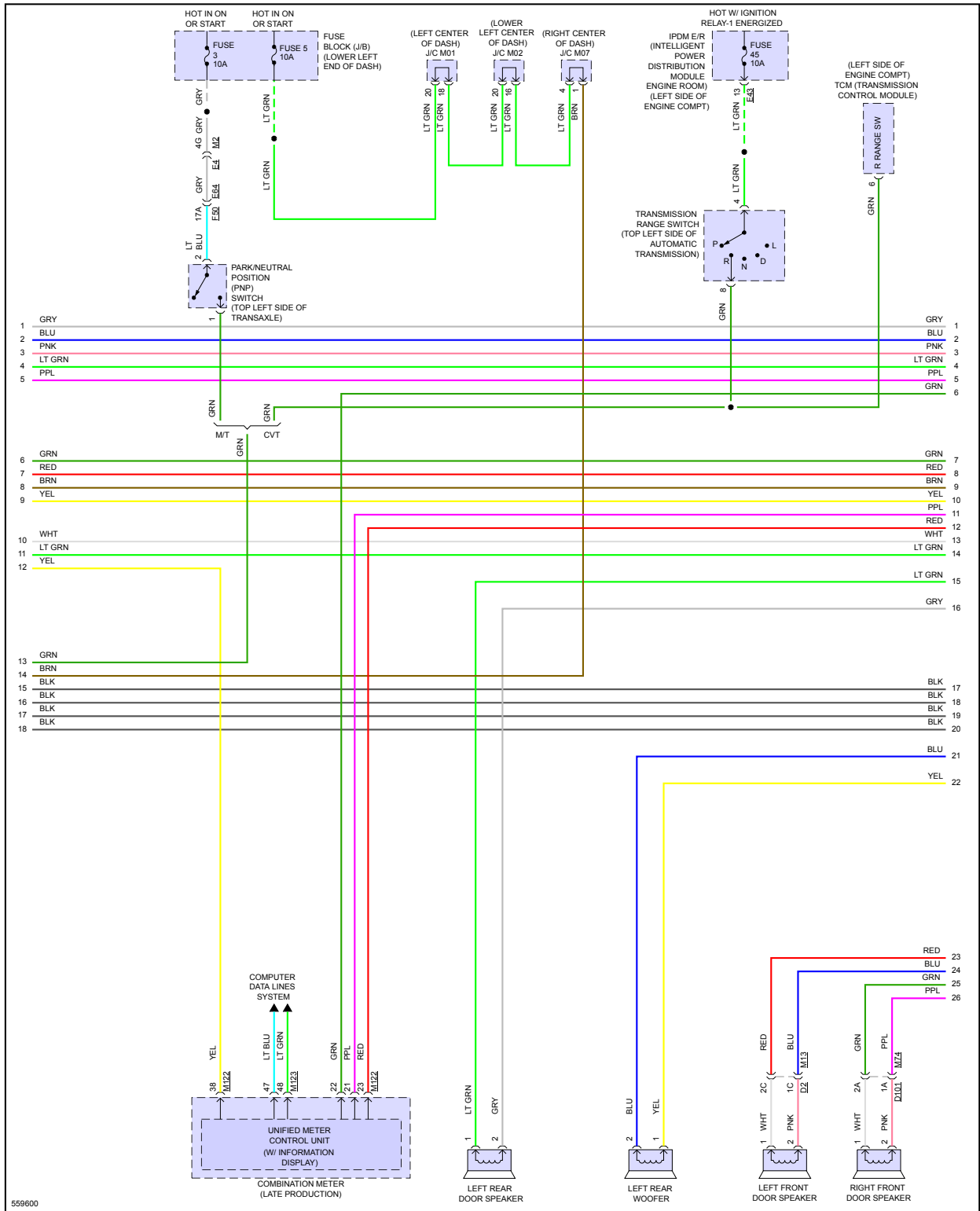


Fig 5: Radio Circuit, W/ Bose (3 of 3)

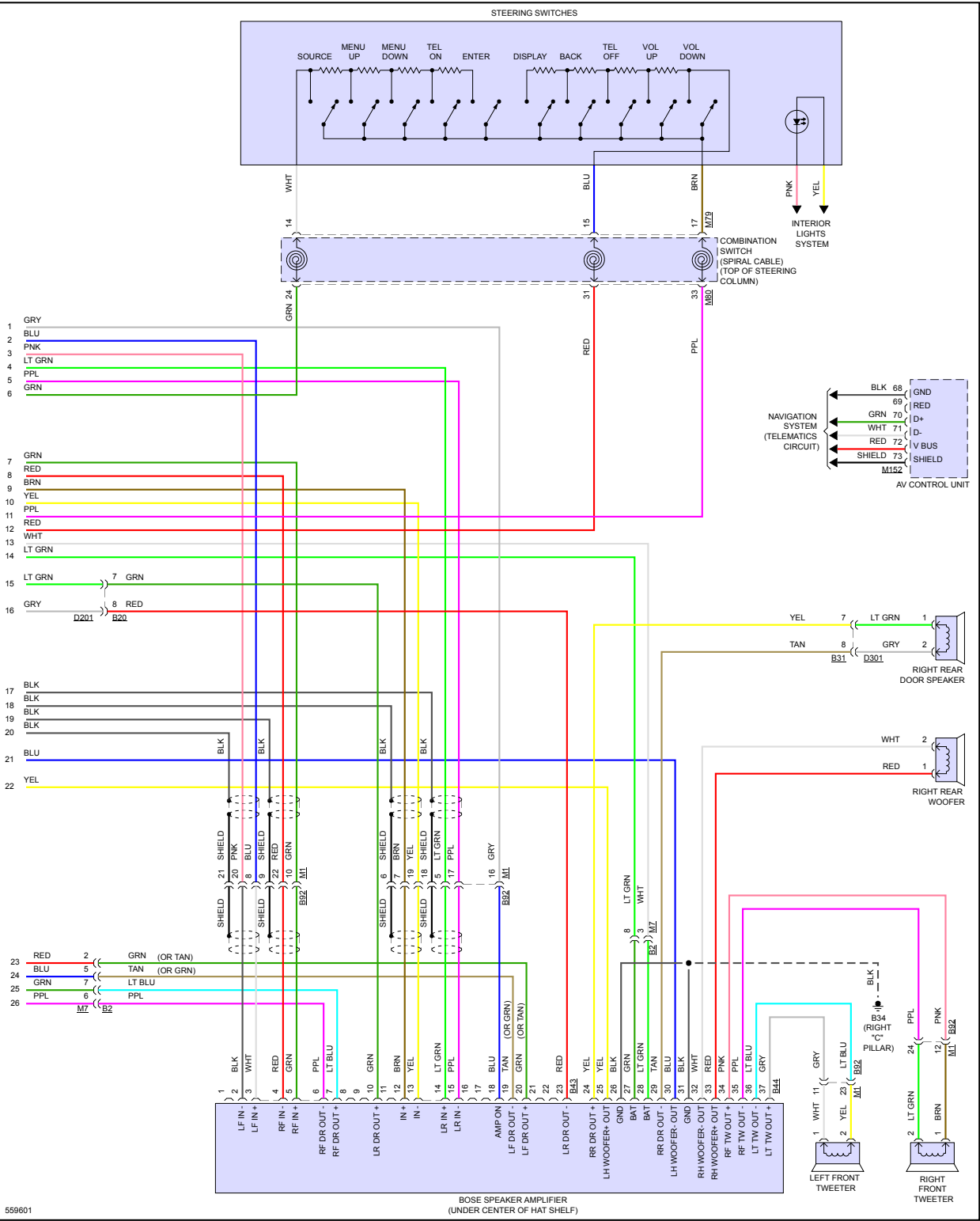


Fig 6: Radio Circuit, W/O Bose & Navigation (1 of 2)

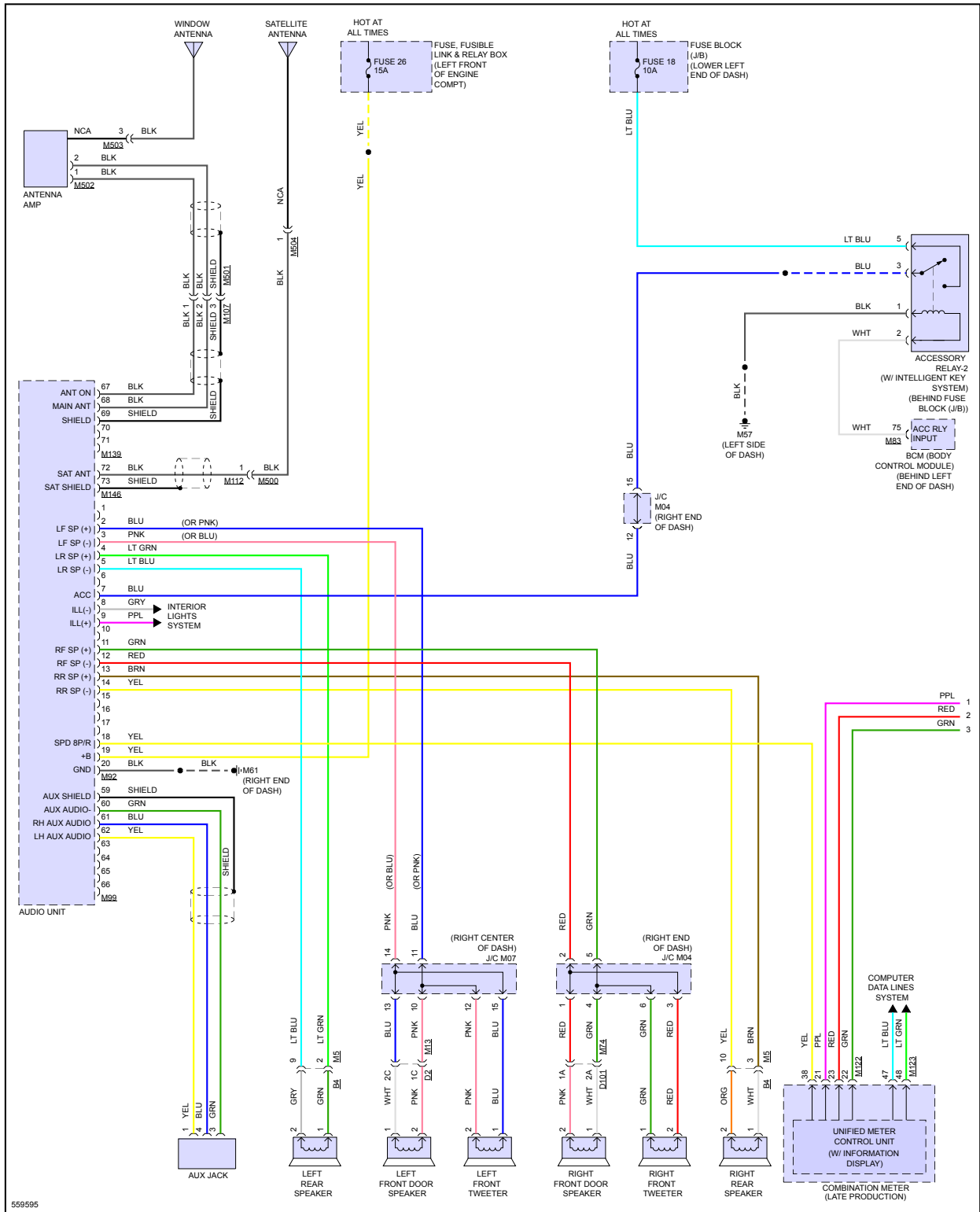


Fig 7: Radio Circuit, W/O Bose & Navigation (2 of 2)

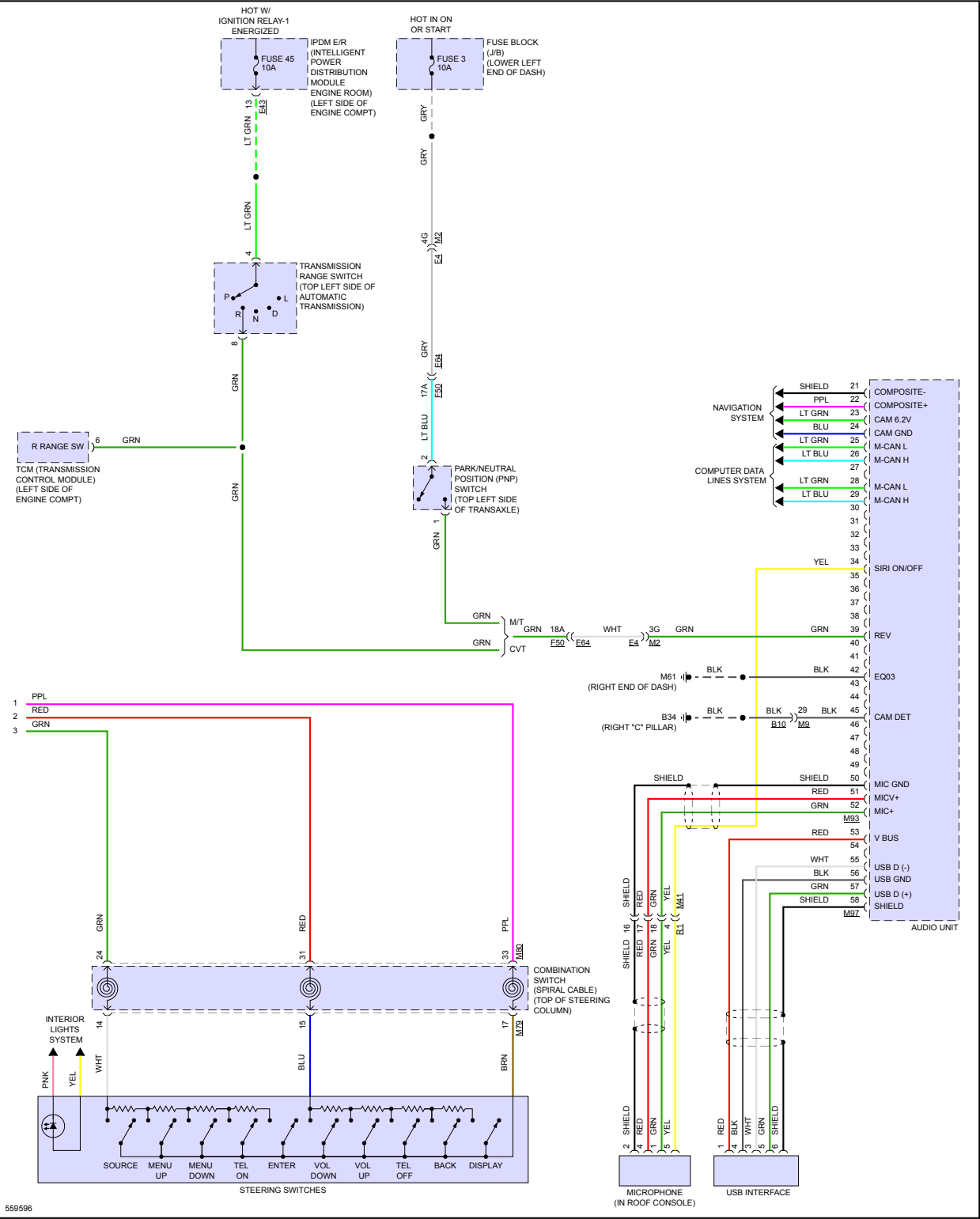


Fig 8: Radio Circuit, W/O Bose W/ Navigation (1 of 2)

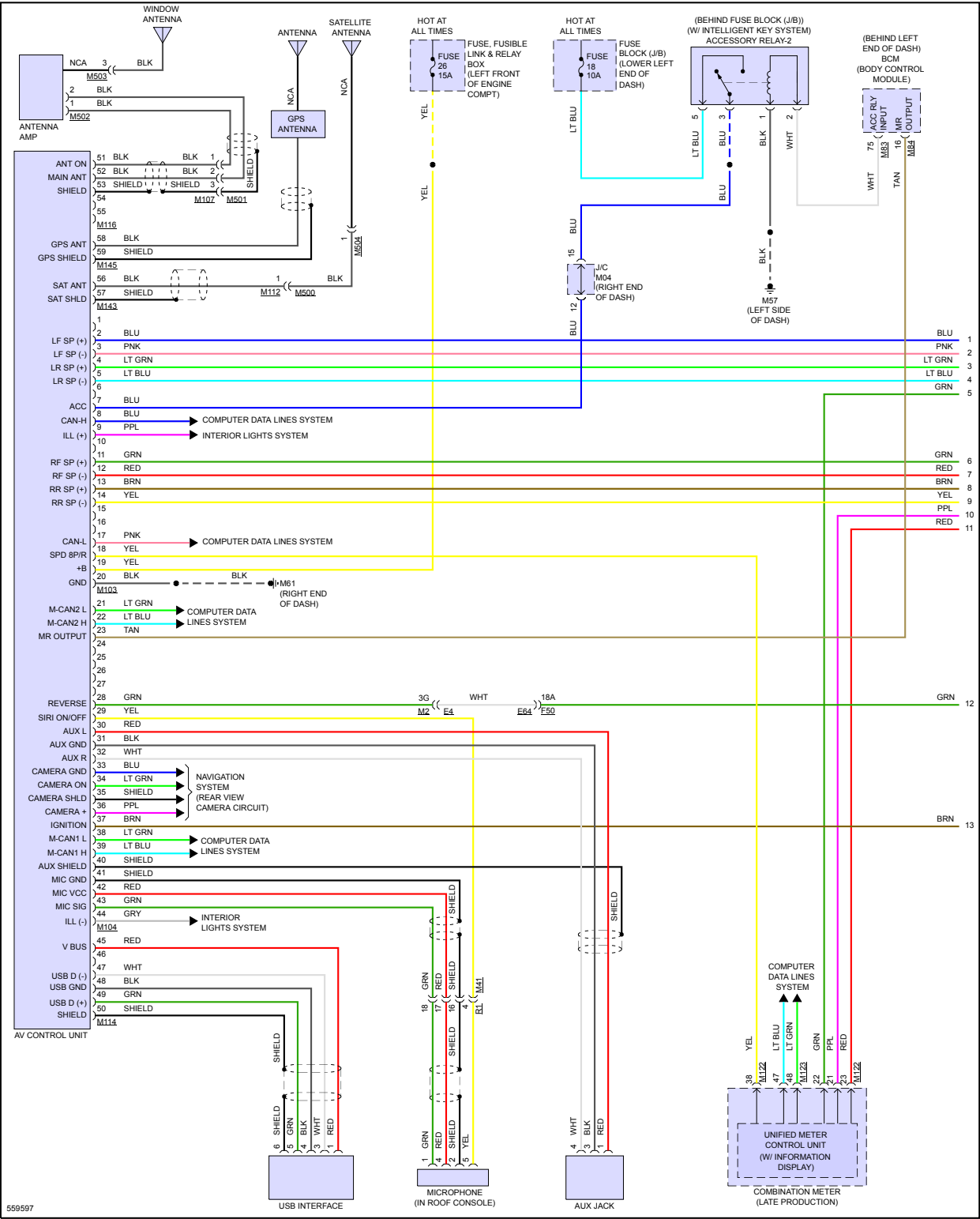
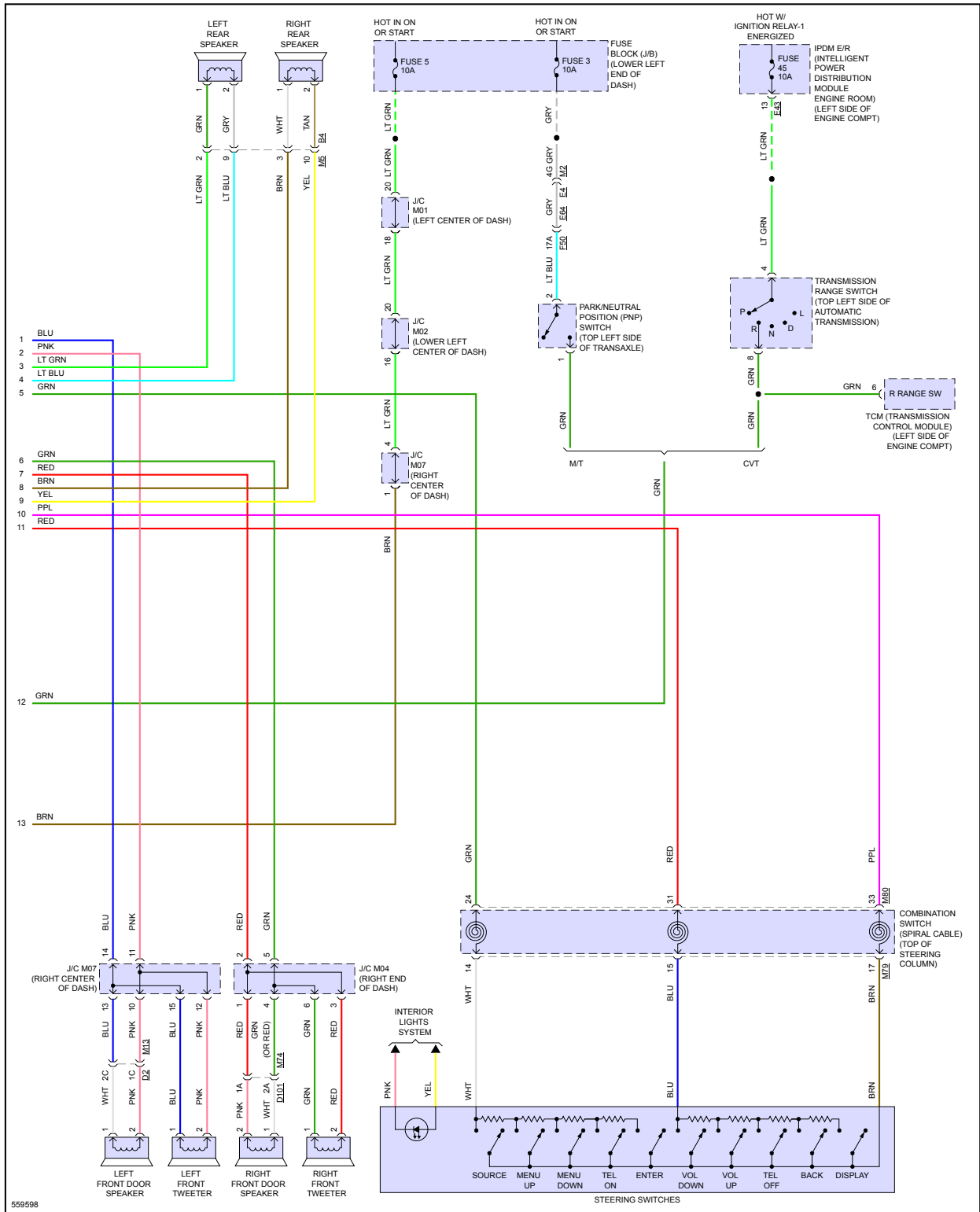
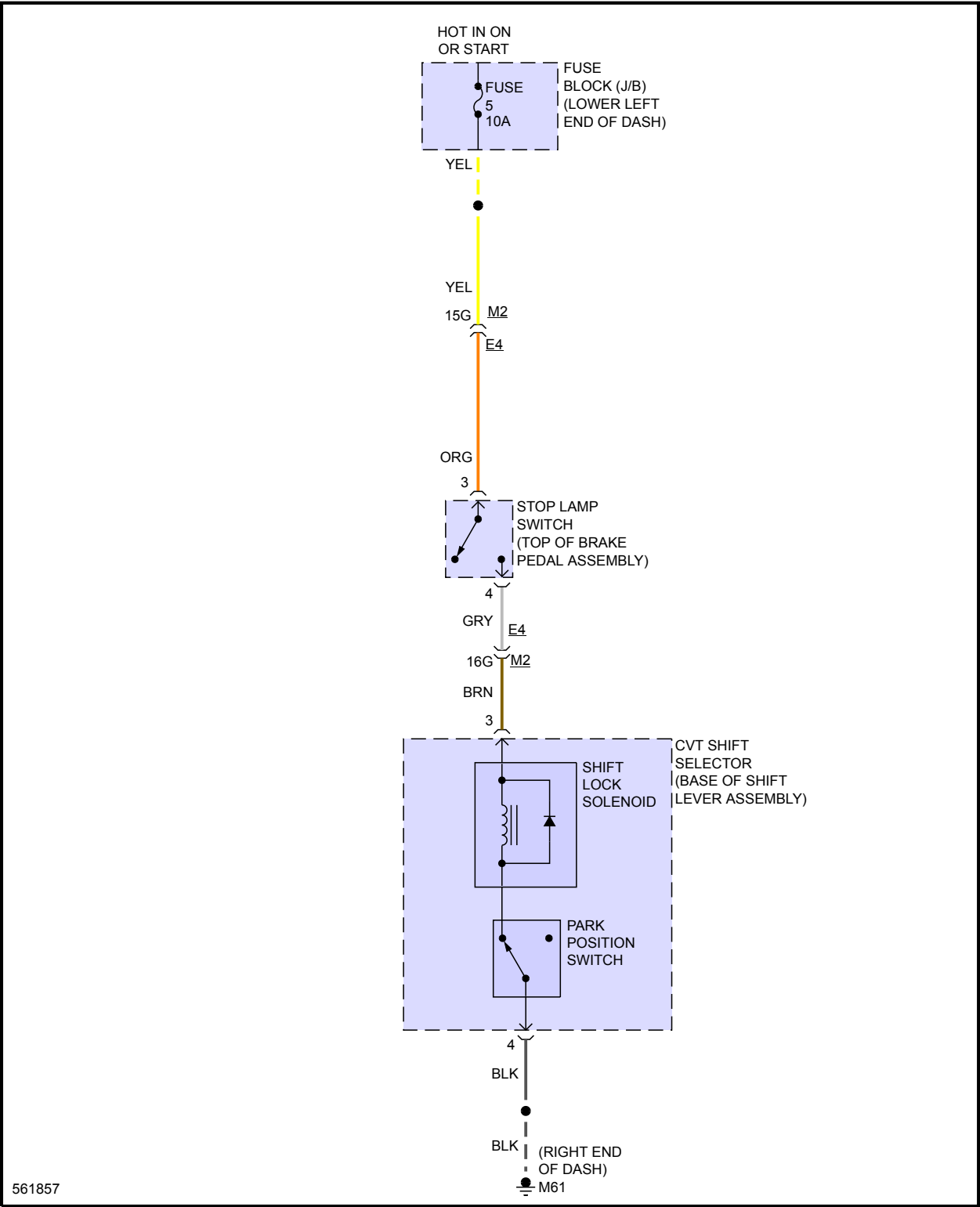


Fig 9: Radio Circuit, W/O Bose W/ Navigation (2 of 2)



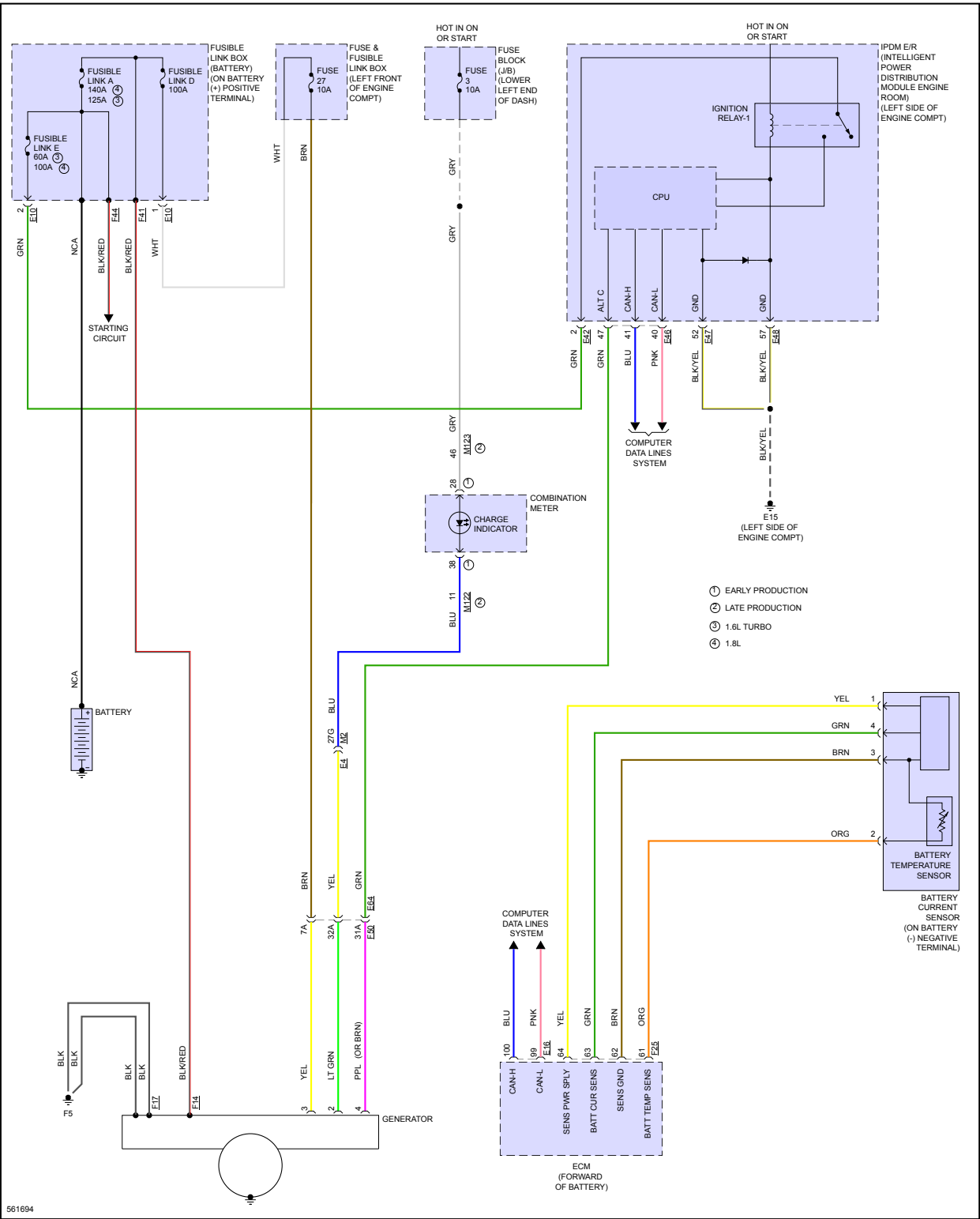
SHIFT INTERLOCK

Fig 1: Shift Interlock Circuit



STARTING/CHARGING

Fig 1: Charging Circuit



Wiring Diagram for 1997-2000 Dodge Ram 2500/3500

Legend:

- ① CVT
- ② M/T
- ③ 1.8L
- ④ 1.8L TURBO

BCM (BODY CONTROL MODULE) (BEHIND LEFT END OF DASH)

Components and Connections:

- STARTER RELAY:** Connected to CPU, Starter Motor, and Ignition Relay 1.
- STARTER MOTOR:** Connected to Starter Relay and Ignition Relay 1.
- IGNITION RELAY 1:** Connected to CPU, Starter Relay, and Starter Motor.
- CPU:** Central processing unit for the BCM.
- IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) (LEFT SIDE OF ENGINE COMPT):** Connected to CPU and Ignition Relay 1.
- COMPUTER DATA LINES SYSTEM:** Connected to CPU and various sensors.
- Wires and Terminals:**
 - 20: PINK (E44)
 - 44: PPL (E48)
 - 19: RED (E48)
 - 40: PINK (E48)
 - 41: BLU (E48)
 - 66: BLU (E48)
 - 62: BLK/YEL (E48)
 - 57: BLK/YEL (E48)
 - 37: LT BLU (E48)
 - 68: BRN (E48)
 - 4: BRN (E48)
 - 14: LT GRN (E43)
 - 2: GRN (E42)
 - 1: GRN
 - 2: LT GRN
 - 3: PINK
 - 4: LT BLU
 - 5: BRN
 - 6: BRN
 - 7: BRN
 - 8: PPL
 - 9: LT GRN
 - 74: LT BLU (47G)
 - 69: BLU (37G)
 - 81: GRN (40G)
 - 70: TAN (6G)
 - 80: PPL
 - 55: LT GRN
 - 39: BLU
 - 40: PINK
 - 83: BLK
 - 84: BLK
 - 85: BLK
 - 86: BLK
 - 87: BLK
 - 88: BLK
 - 89: BLK
 - 90: BLK
 - 91: BLK
 - 92: BLK
 - 93: BLK
 - 94: BLK
 - 95: BLK
 - 96: BLK
 - 97: BLK
 - 98: BLK
 - 99: BLK
 - 100: BLK
 - 101: BLK
 - 102: BLK
 - 103: BLK
 - 104: BLK
 - 105: BLK
 - 106: BLK
 - 107: BLK
 - 108: BLK
 - 109: BLK
 - 110: BLK
 - 111: BLK
 - 112: BLK
 - 113: BLK
 - 114: BLK
 - 115: BLK
 - 116: BLK
 - 117: BLK
 - 118: BLK
 - 119: BLK
 - 120: BLK

Fig 3: Starting Circuit, W/ Intelligent Key (2 of 2)

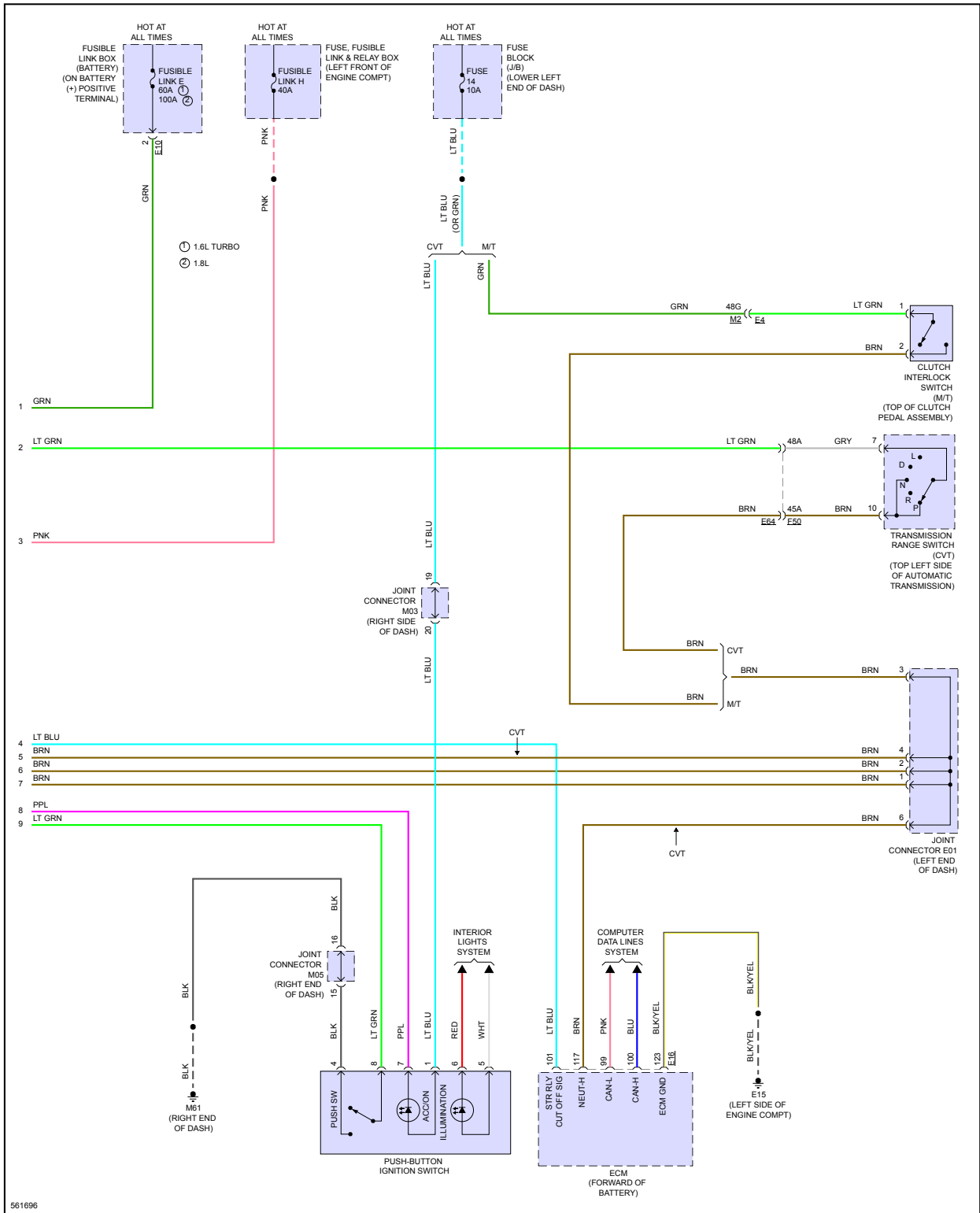


Fig 4: Starting Circuit, W/O Intelligent Key

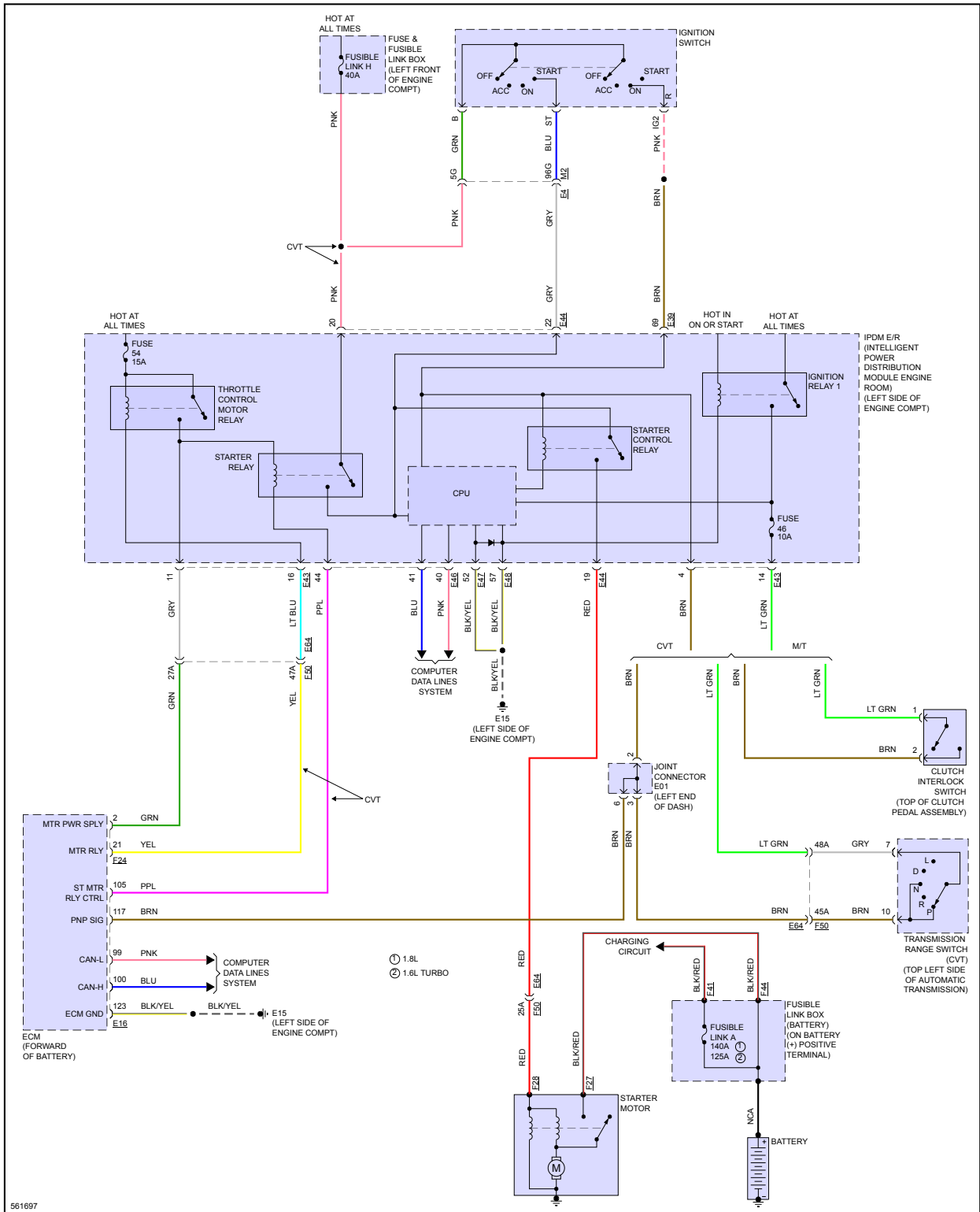


Fig 1: Supplemental Restraints Circuit (1 of 3)

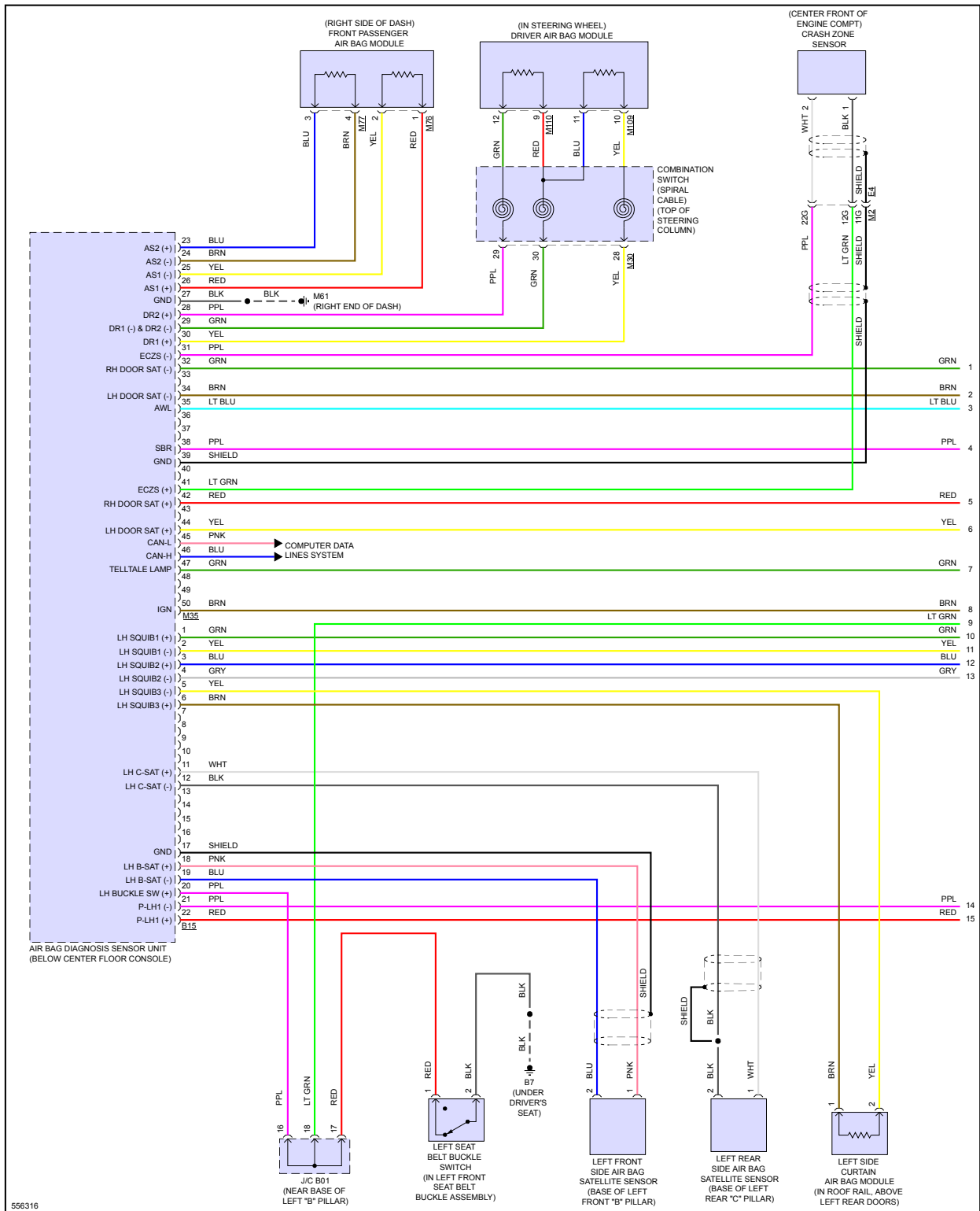


Fig 2: Supplemental Restraints Circuit (2 of 3)

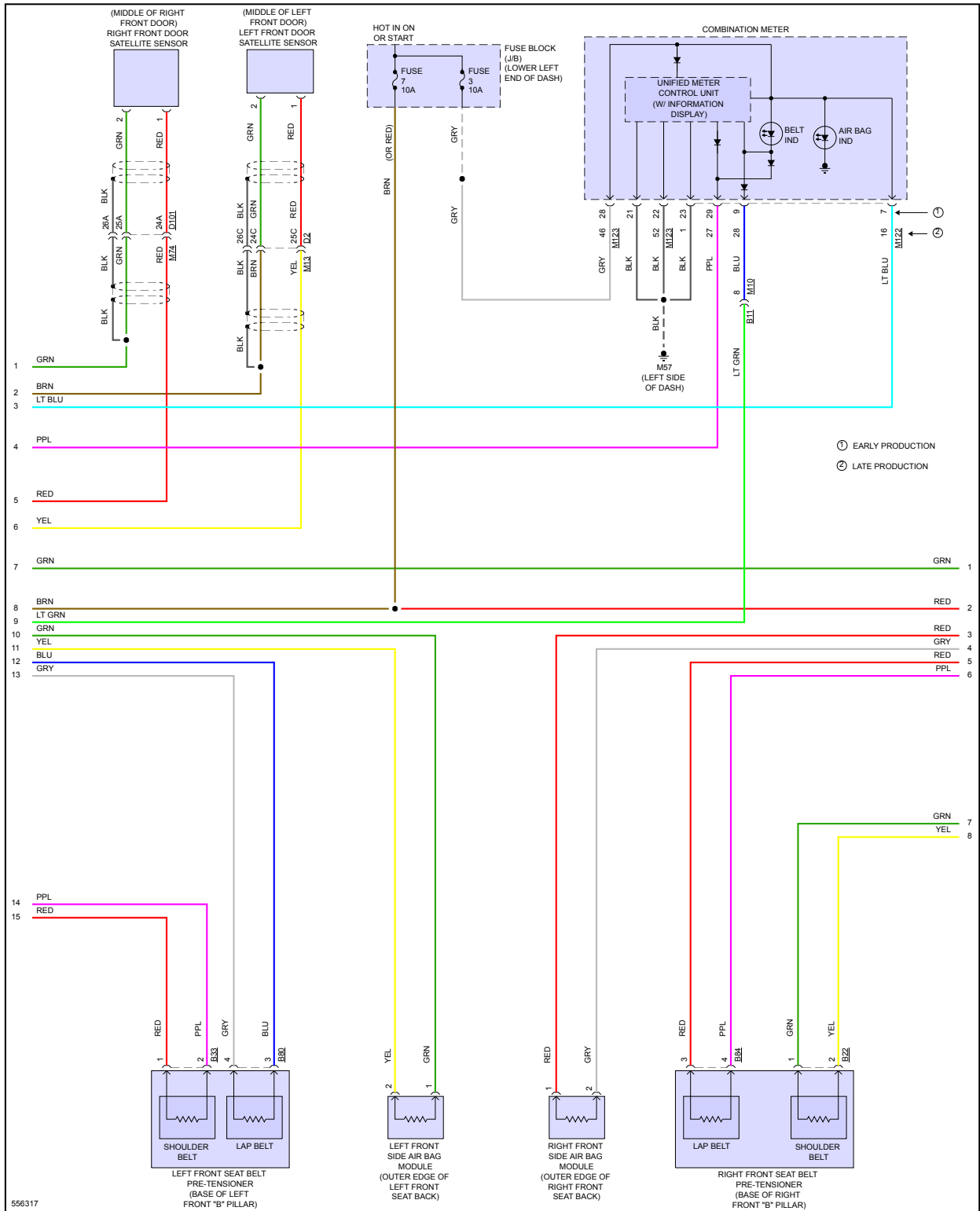


Fig 3: Supplemental Restraints Circuit (3 of 3)

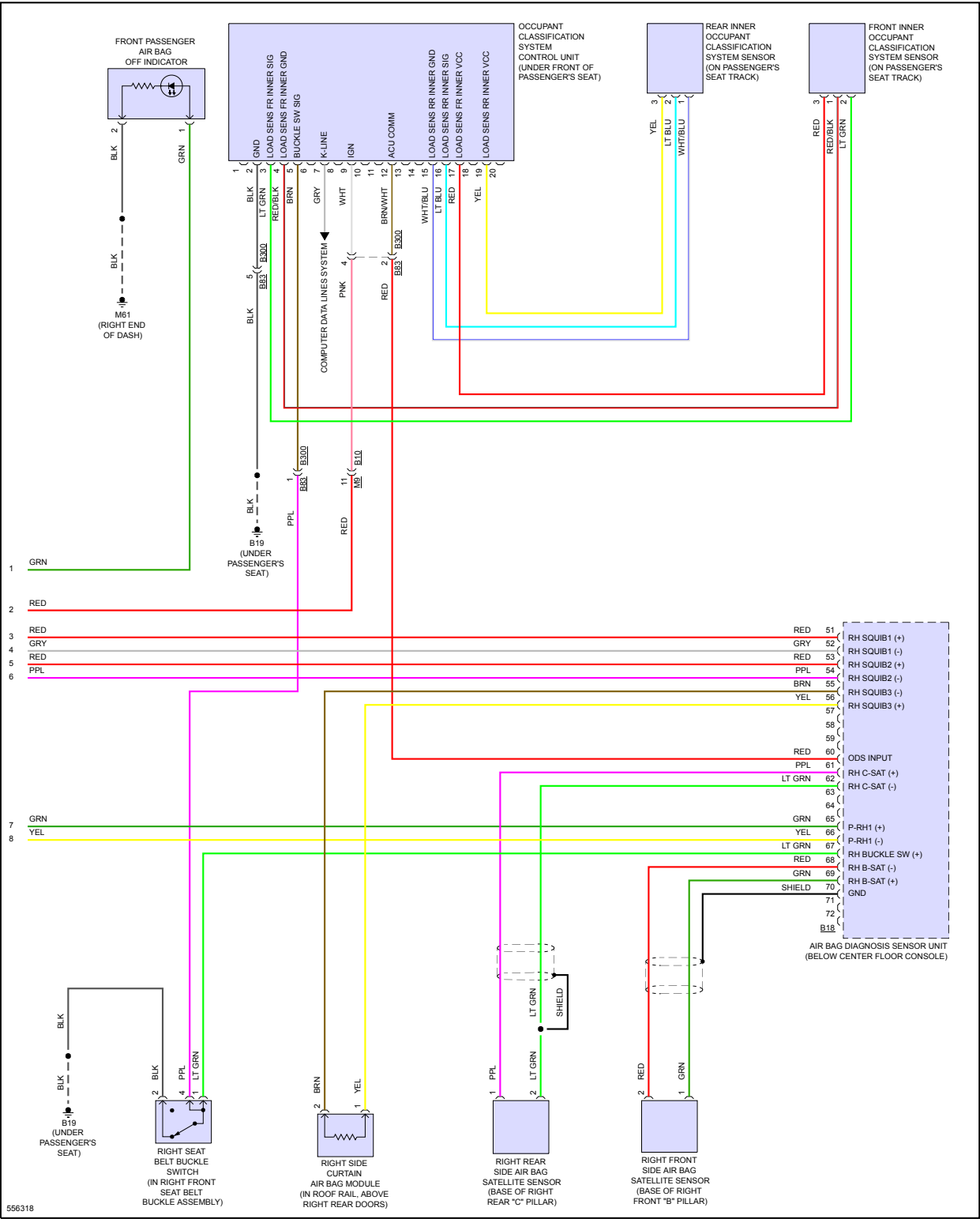
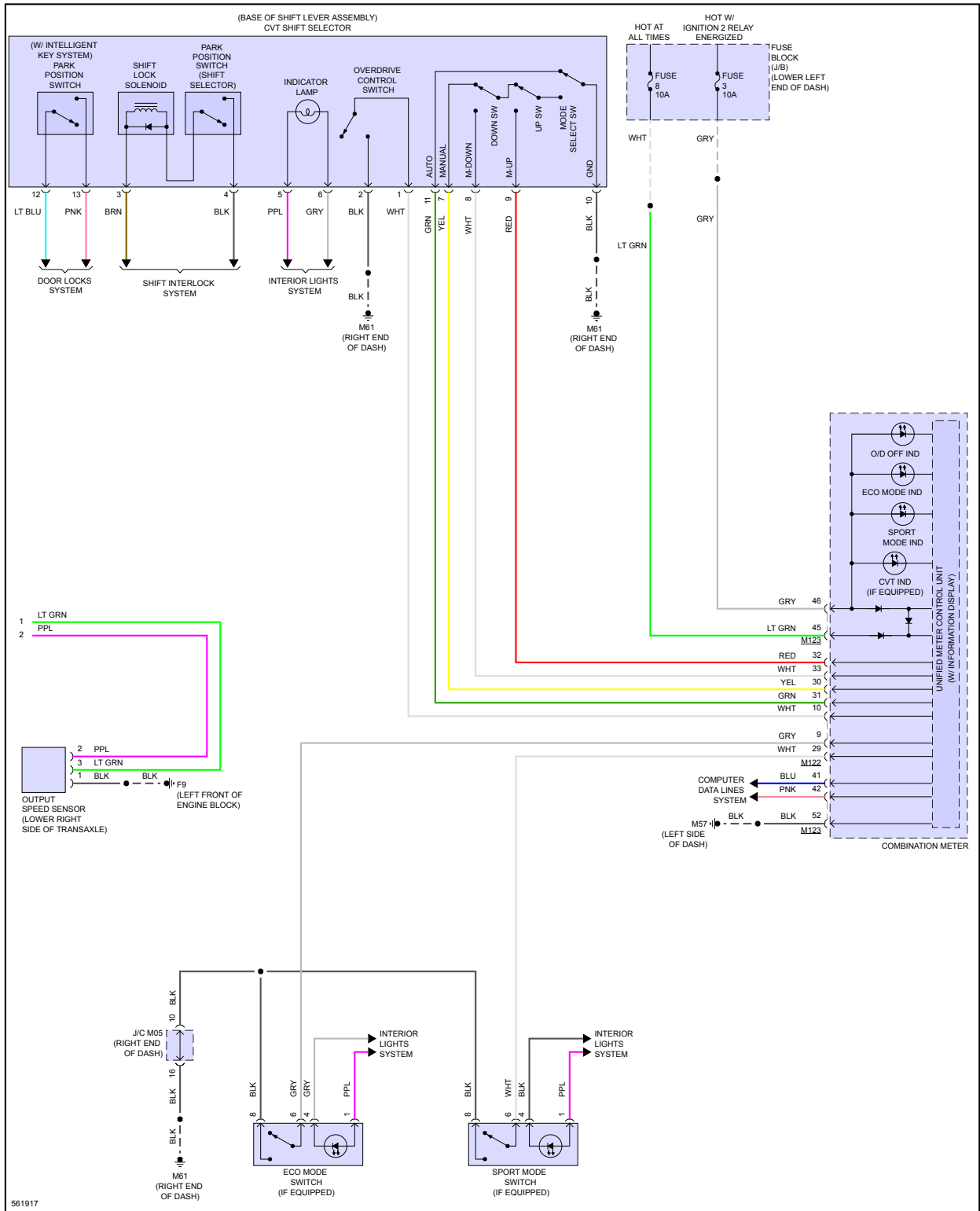


Fig 1: 1.6L Turbo, Transmission Circuit (1 of 2)



Fig 2: 1.6L Turbo, Transmission Circuit (2 of 2)



TRANSMISSION > 1.8L

Fig 1: 1.8L, Transmission Circuit (1 of 2)

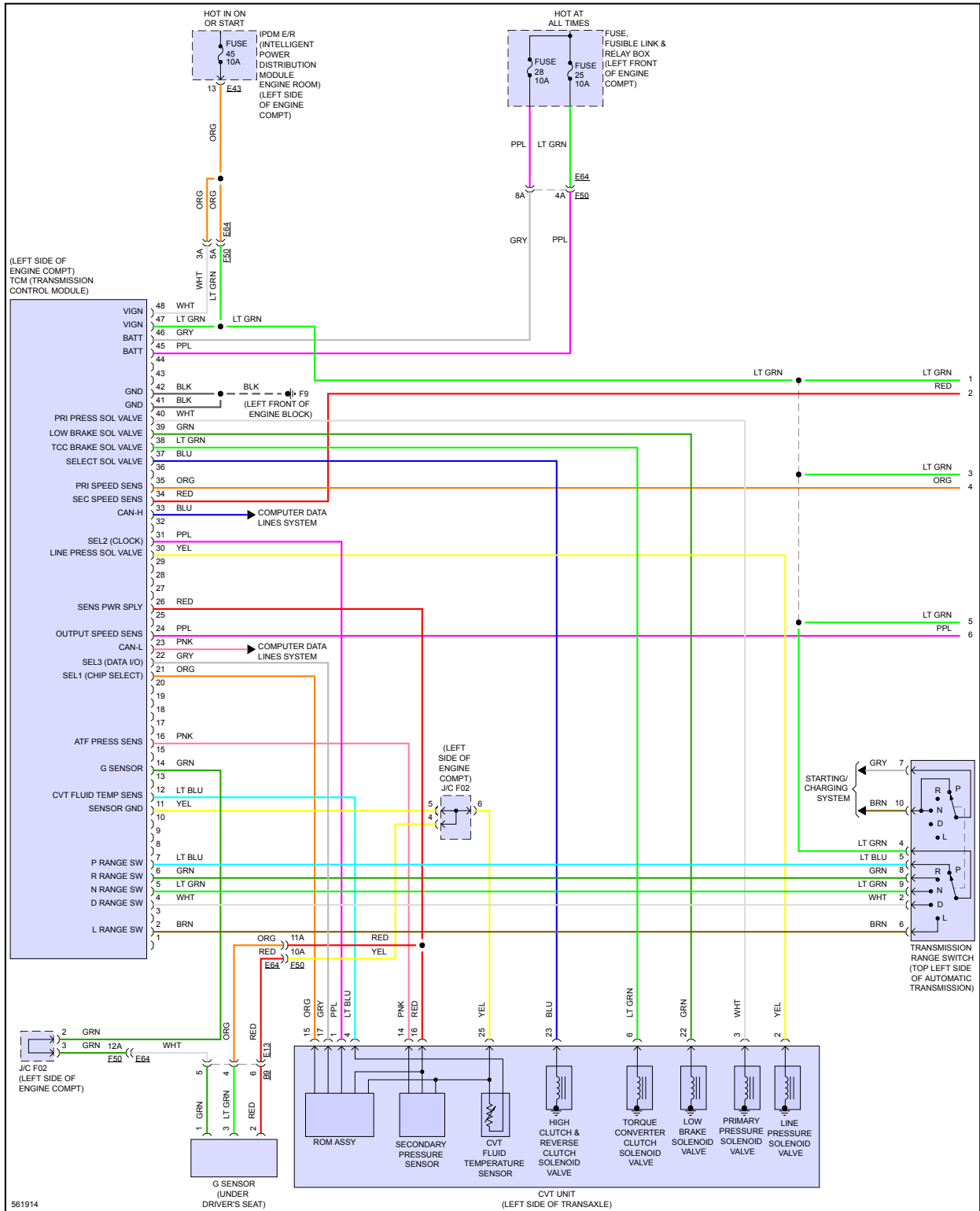


Fig 2: 1.8L, Transmission Circuit (2 of 2)

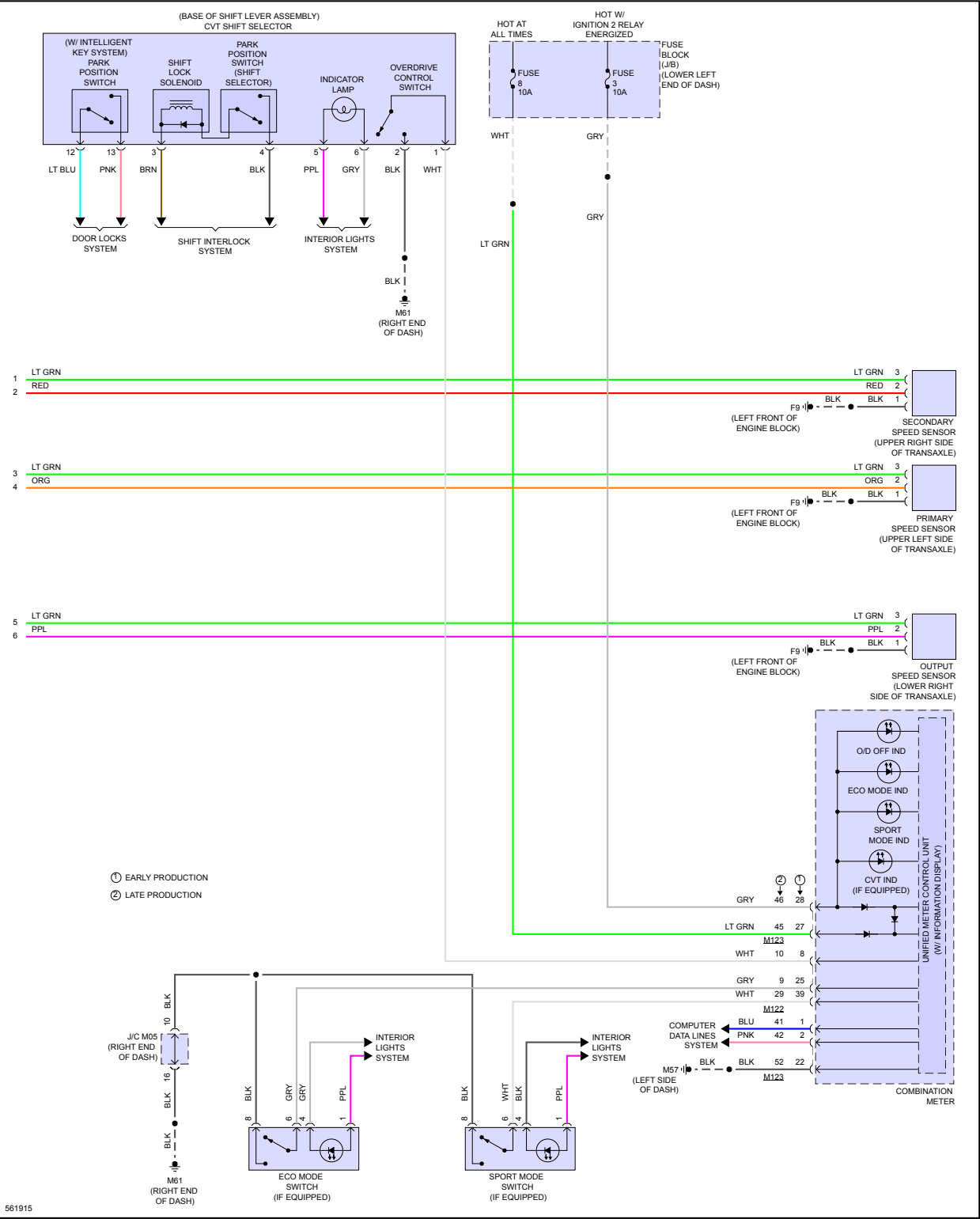
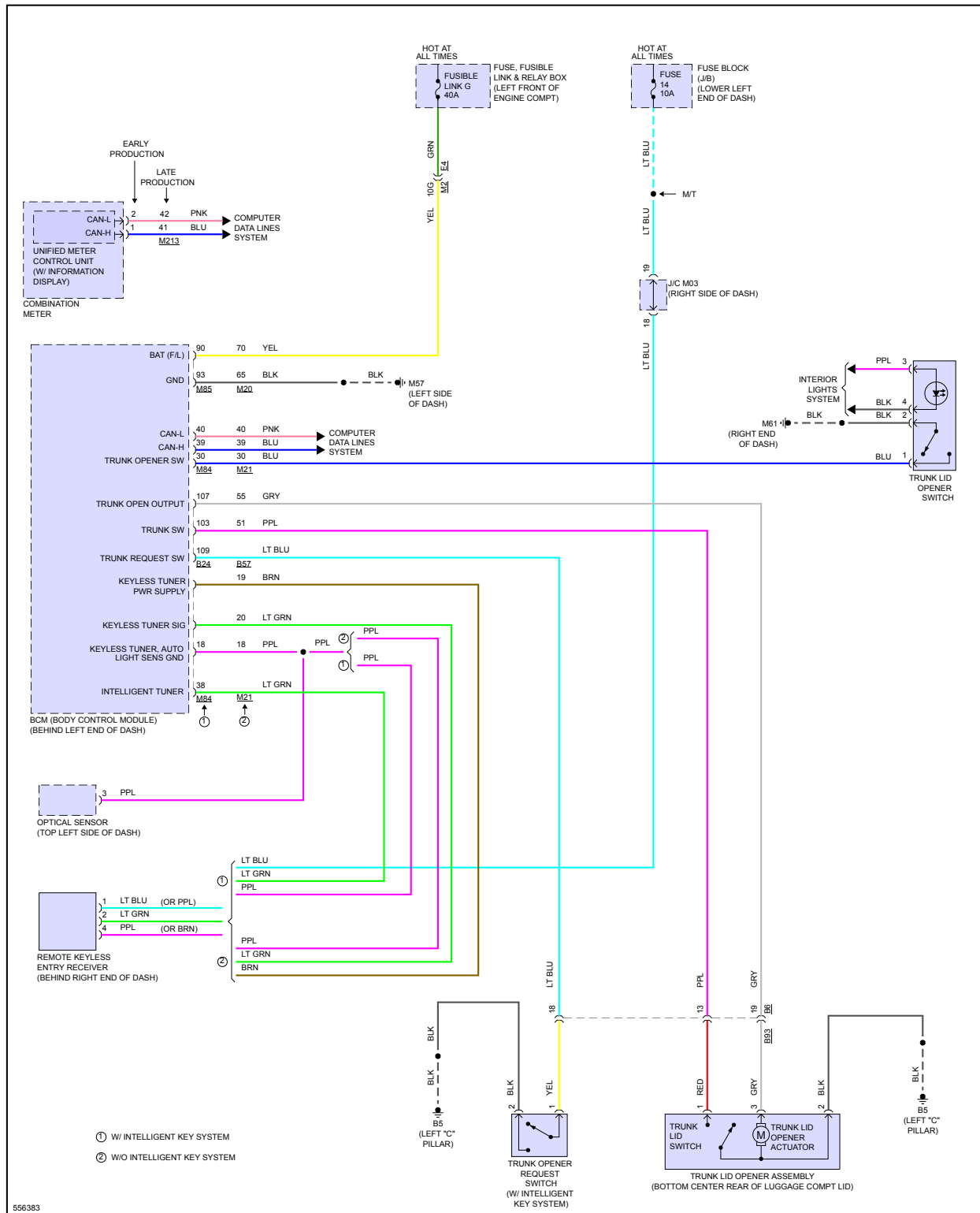
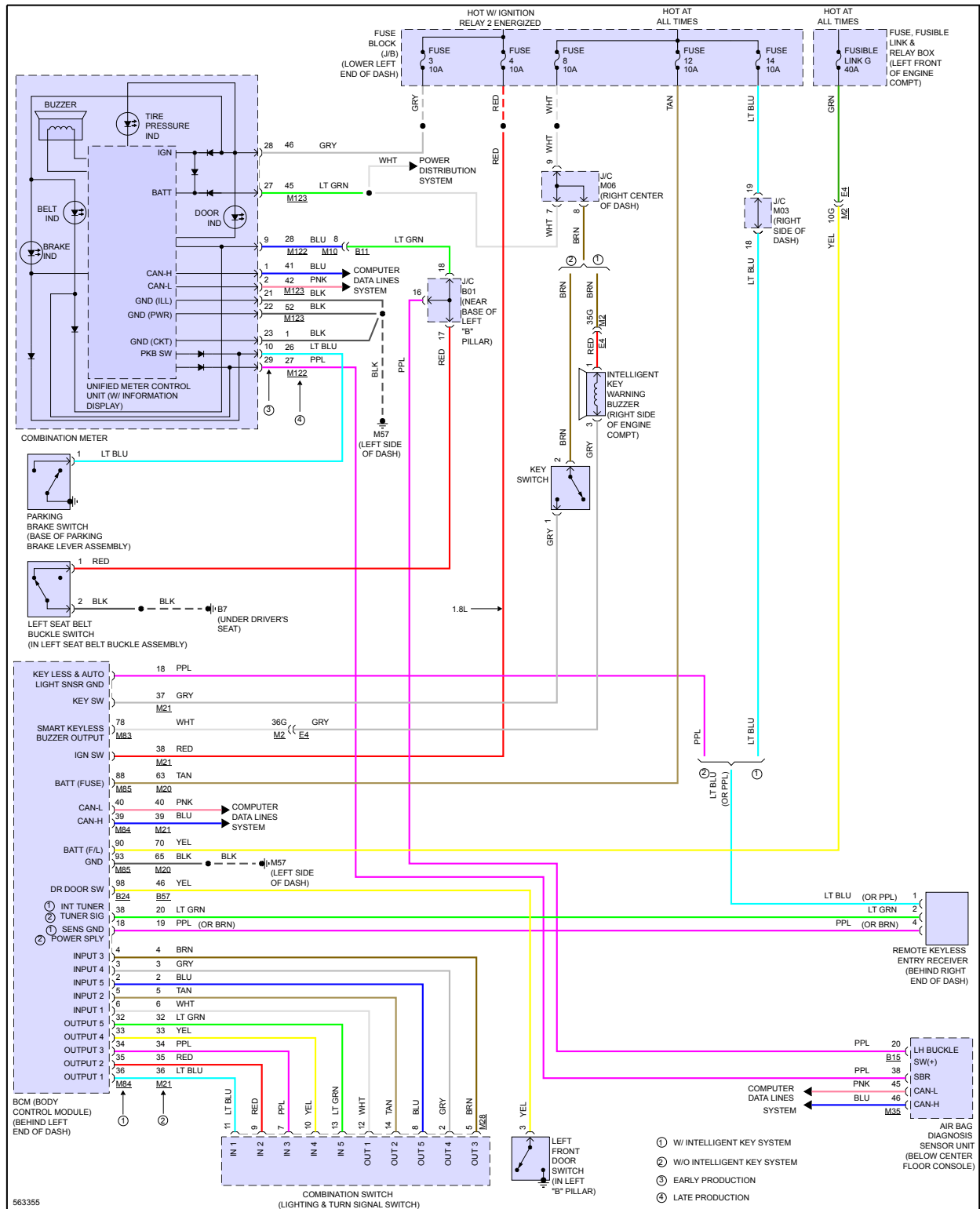


Fig 1: Trunk Release Circuit



WARNING SYSTEMS

Fig 1: Warning Systems Circuit



WIPER/WASHER

Fig 1: Wiper/Washer Circuit

