

2012 SYSTEM WIRING DIAGRAMS

Hyundai - Elantra

USING MITCHELL1'S WIRING DIAGRAMS

For information on using these wiring diagrams, see [USING MITCHELL1'S SYSTEM WIRING DIAGRAMS](#) article.

AIR CONDITIONING

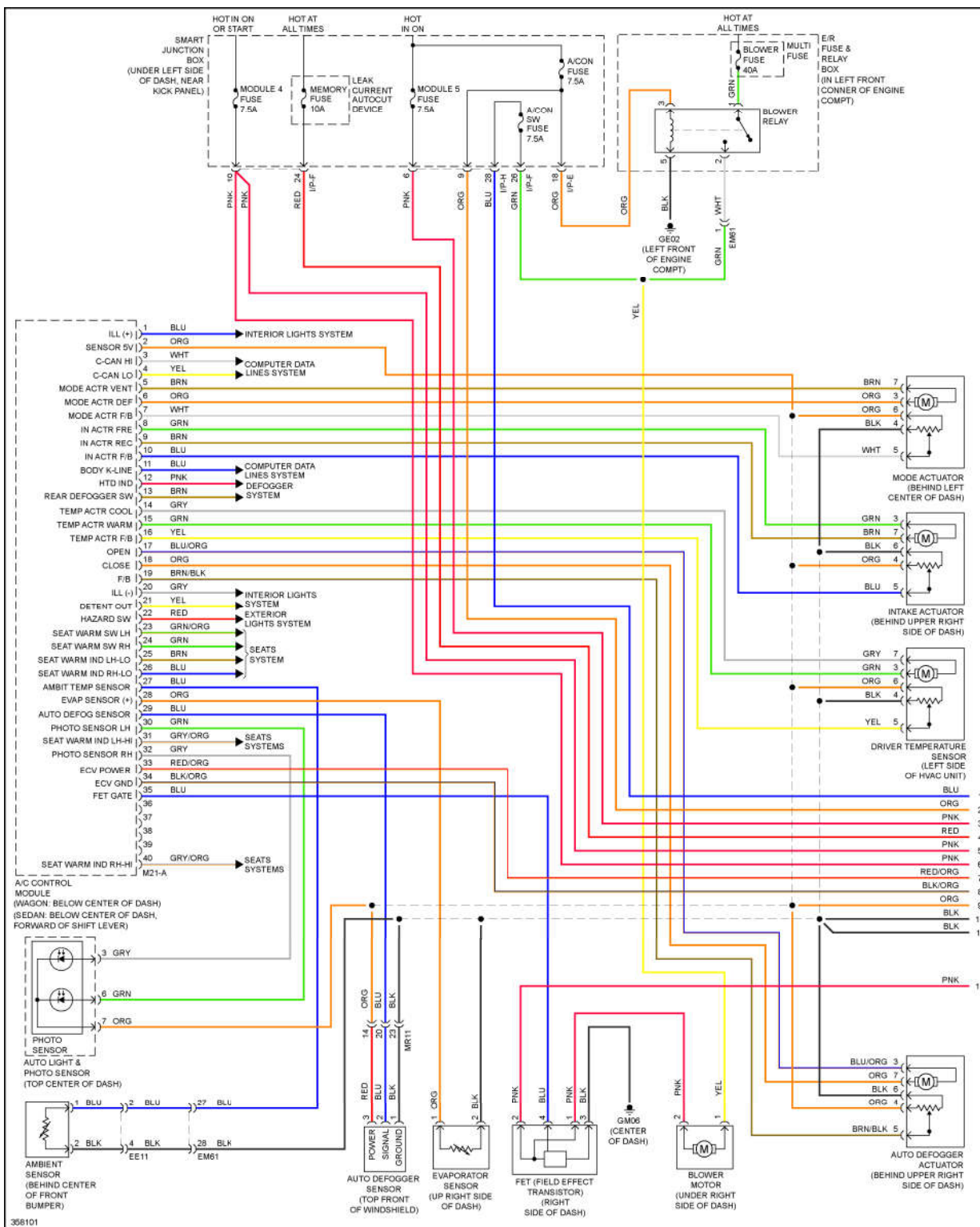


Fig. 1: Automatic A/C Circuit (1 of 2)



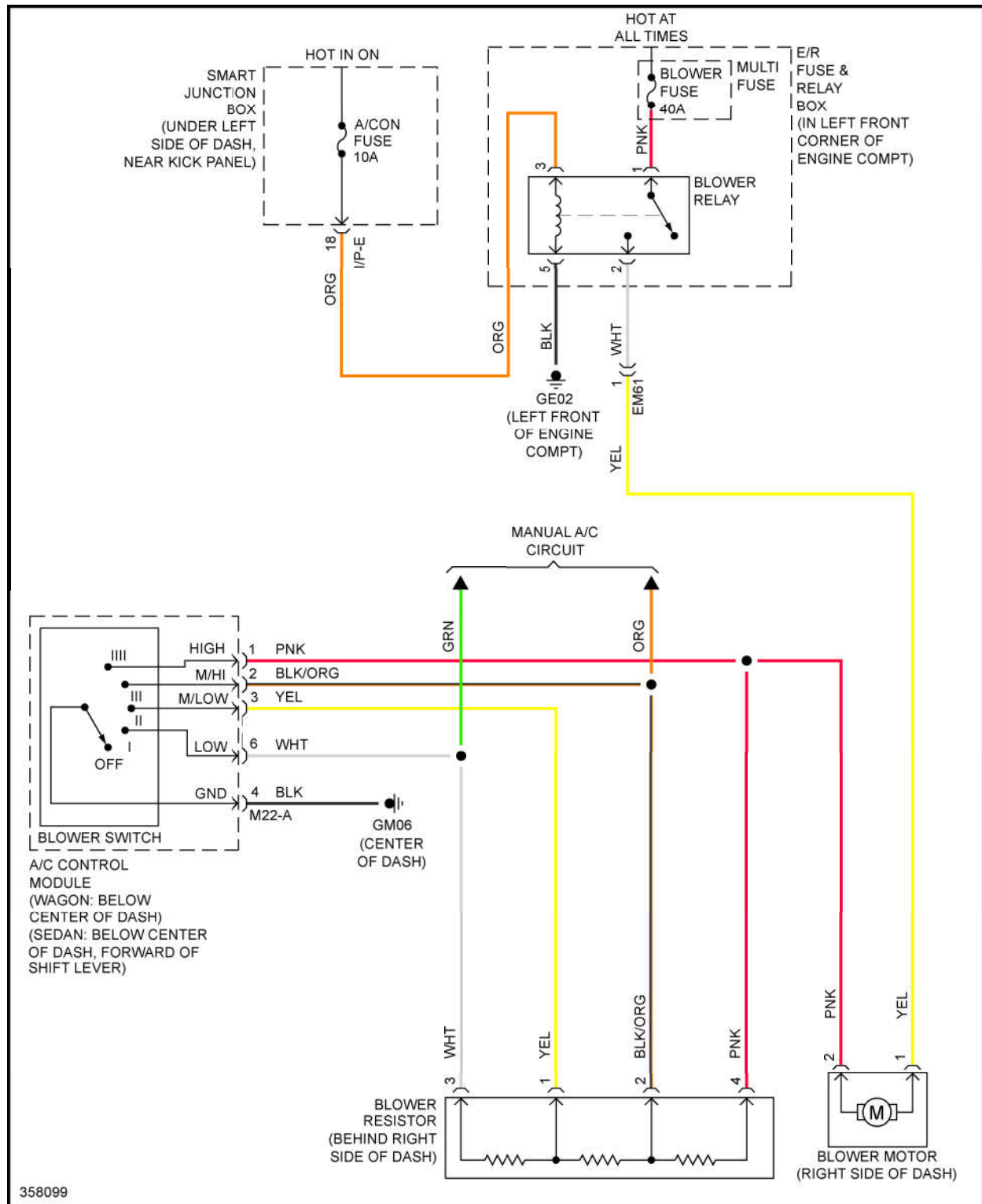


Fig. 3: Heater Circuit

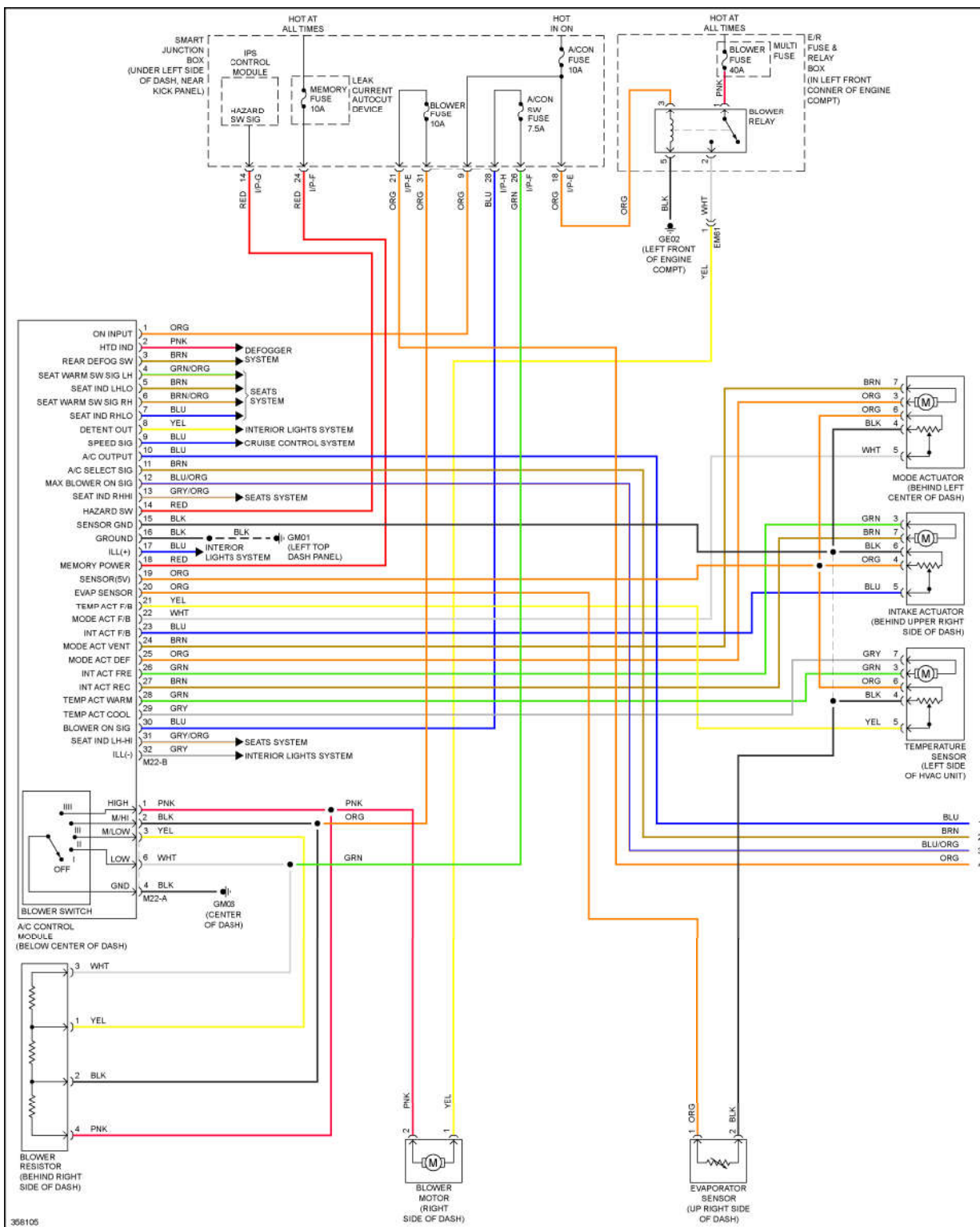


Fig. 4: Manual A/C Circuit (1 of 2)

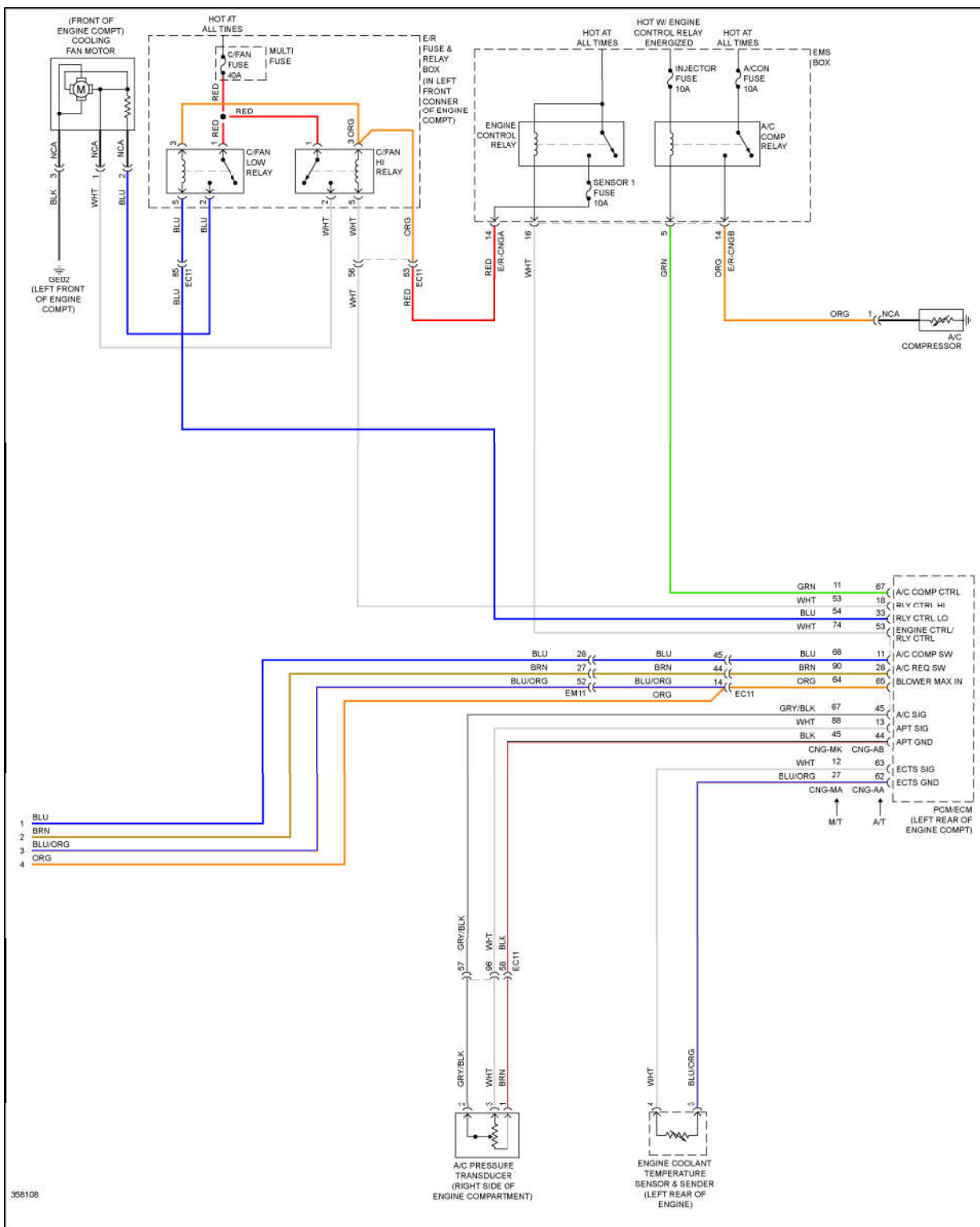


Fig. 5: Manual A/C Circuit (2 of 2)

ANTI-LOCK BRAKES

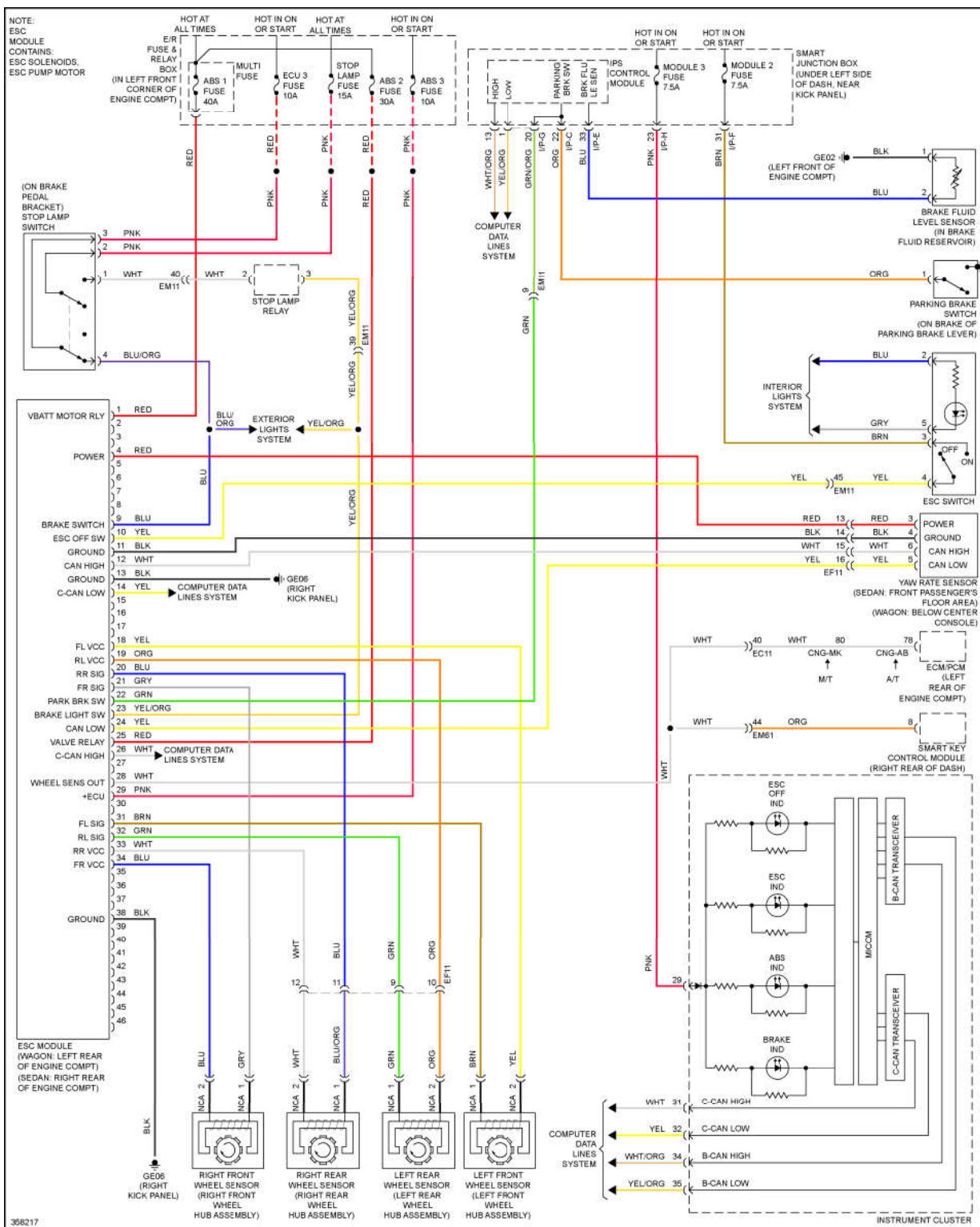


Fig. 6: Anti-lock Brakes Circuit

ANTI-THEFT

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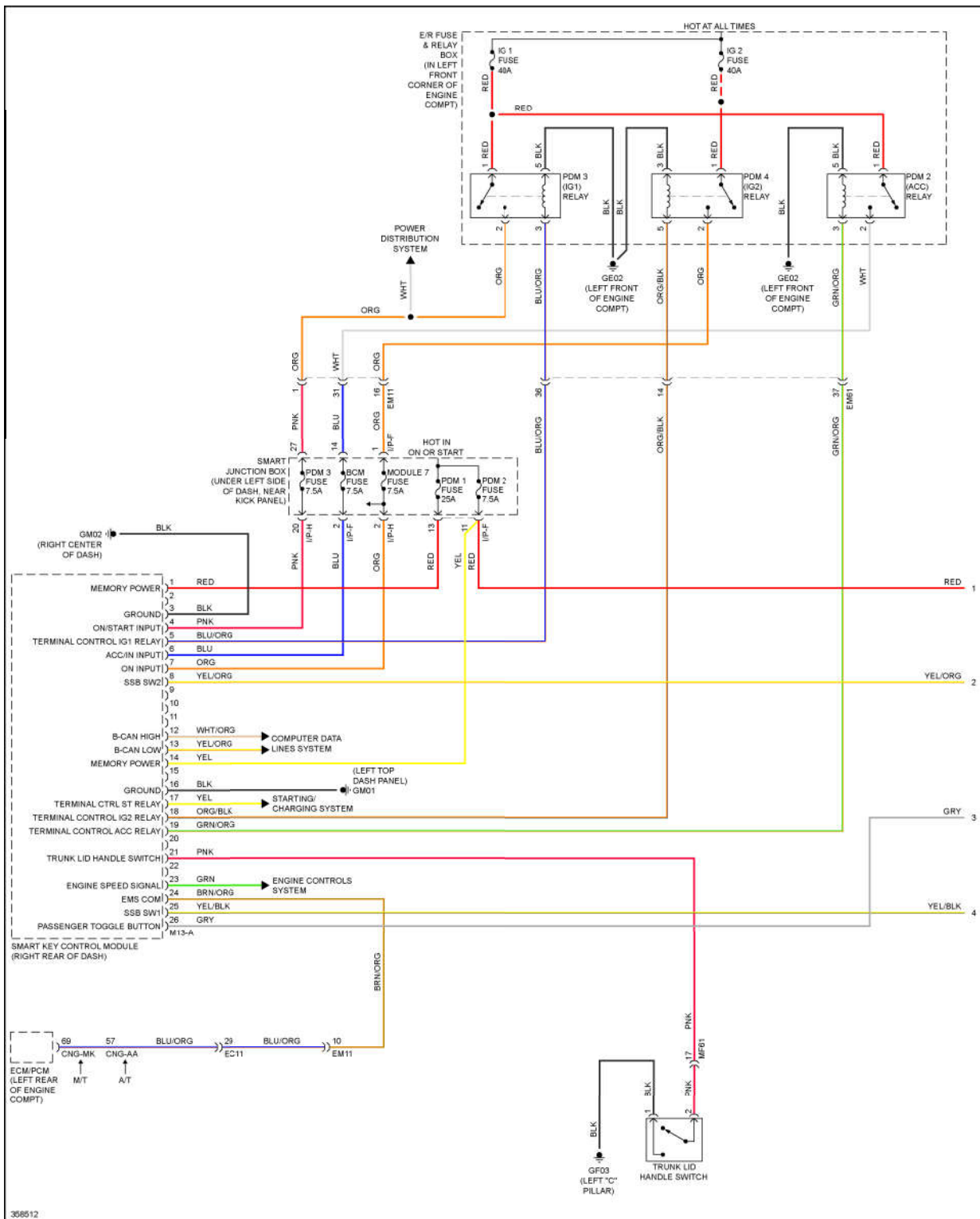


Fig. 8: Immobilizer Circuit, W/ Smart Key System (1 of 3)

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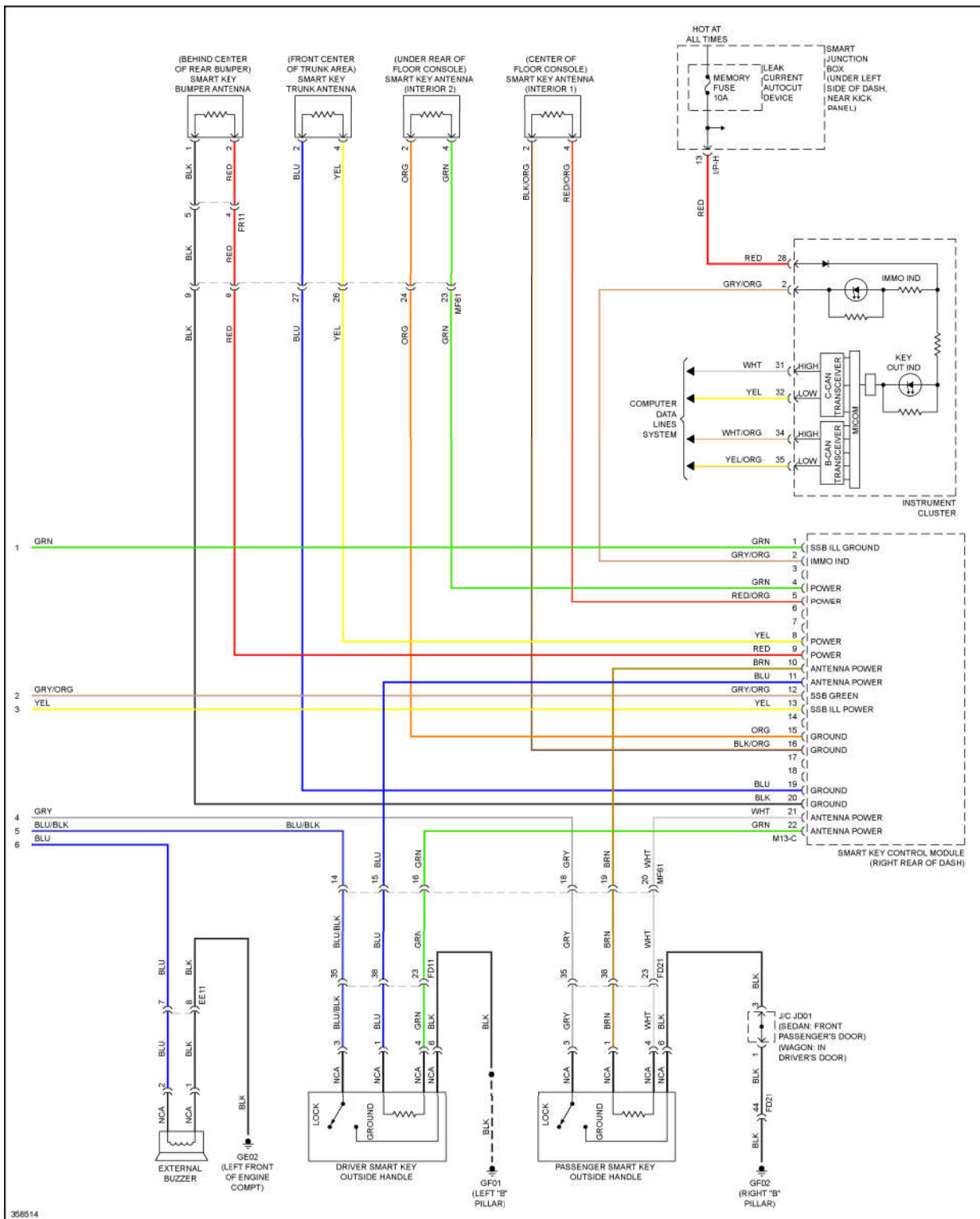


Fig. 10: Immobilizer Circuit, W/ Smart Key System (3 of 3)



BODY CONTROL MODULES

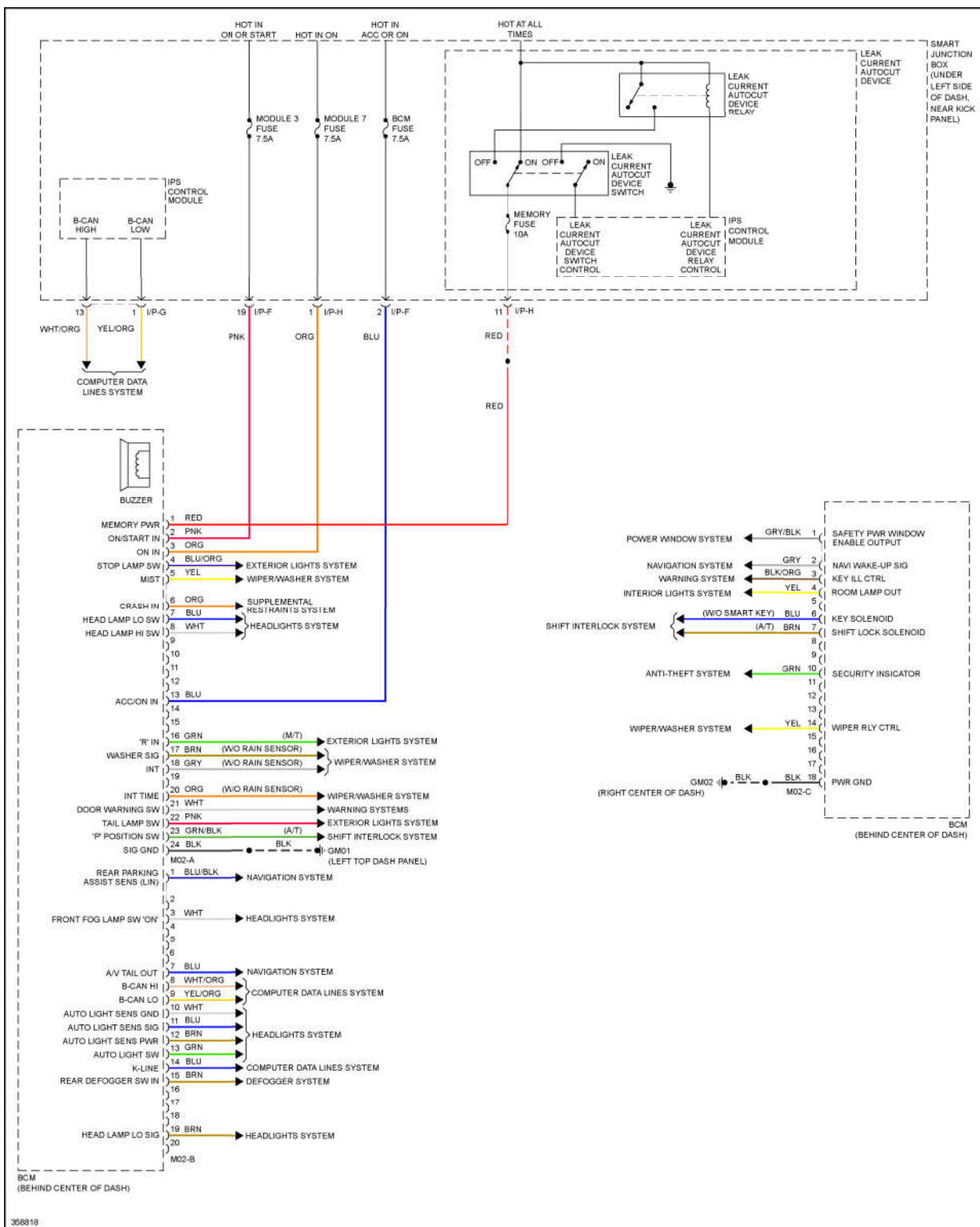


Fig. 12: Body Control Modules Circuit

COMPUTER DATA LINES

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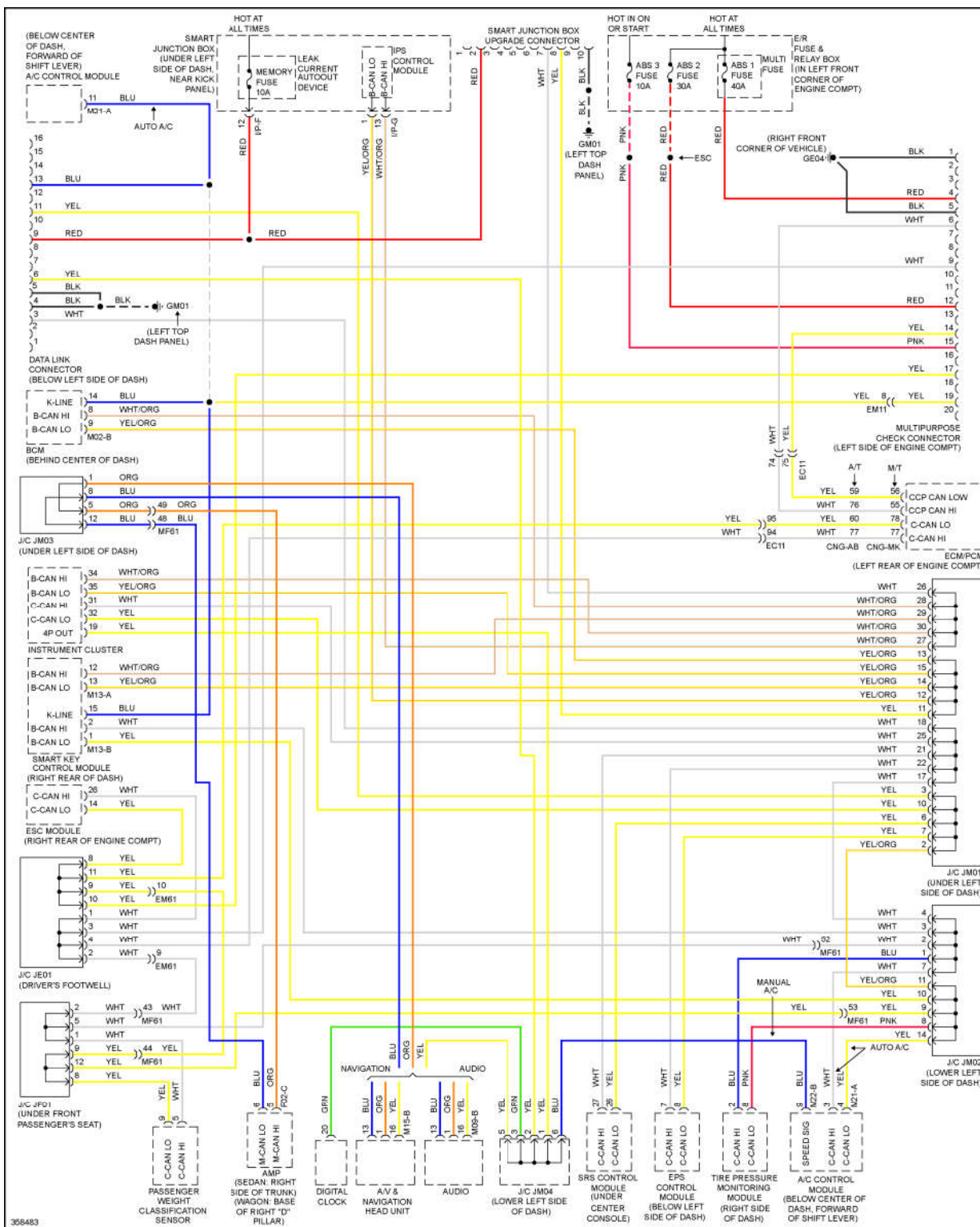


Fig. 13: Computer Data Lines Circuit

COOLING FAN

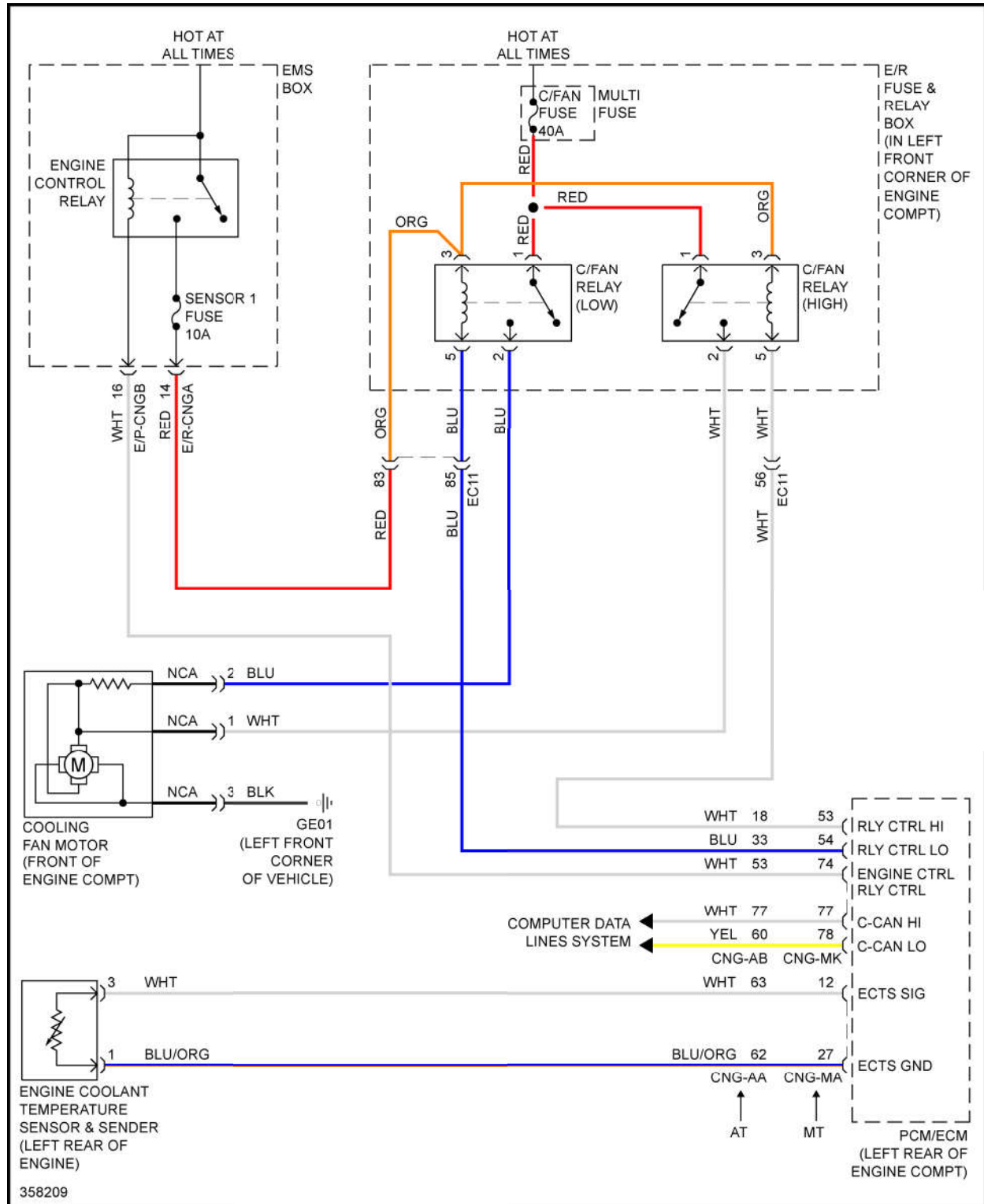


Fig. 14: Cooling Fan Circuit

CRUISE CONTROL

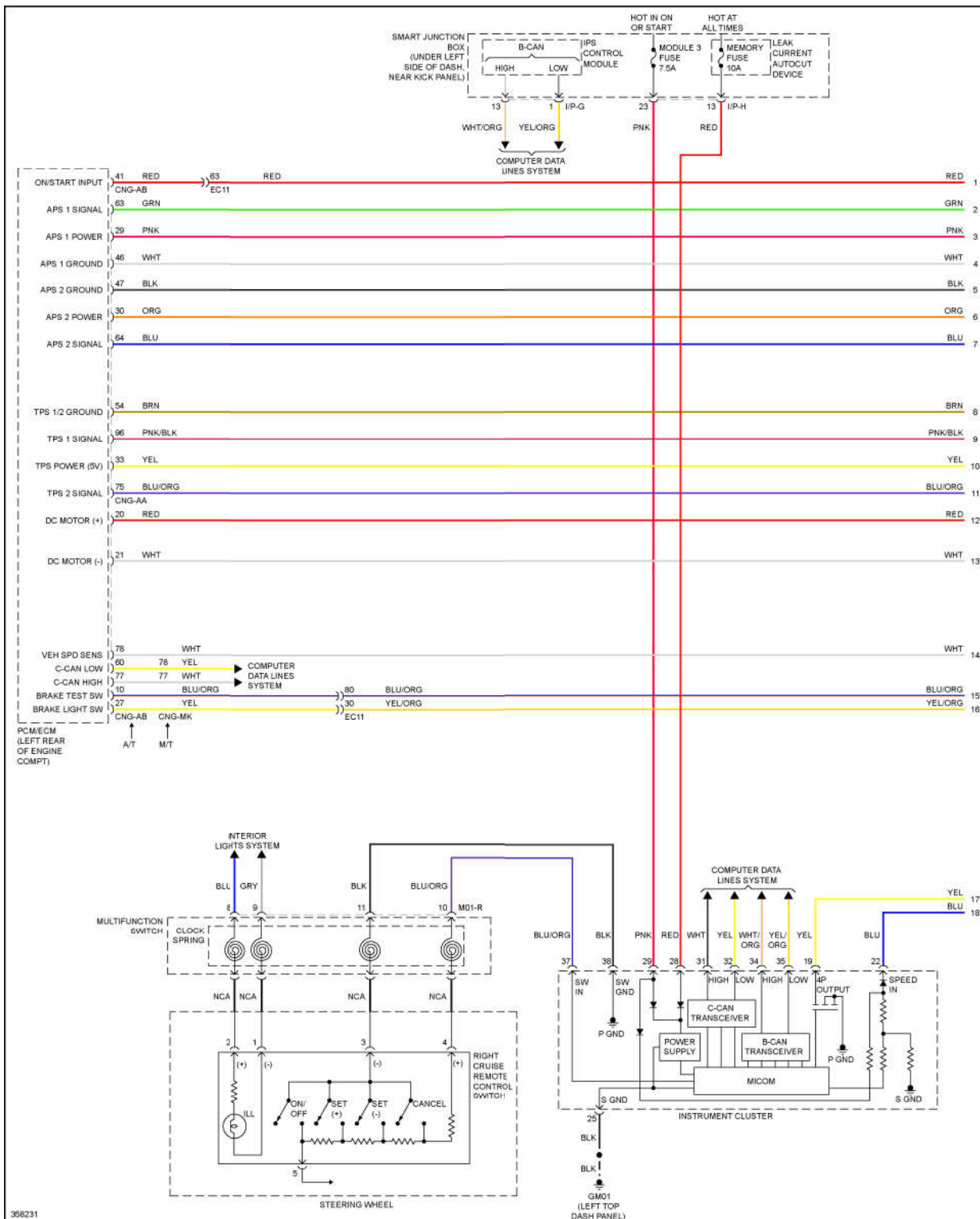


Fig. 15: Cruise Control Circuit (1 of 2)

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DEFOGGERS

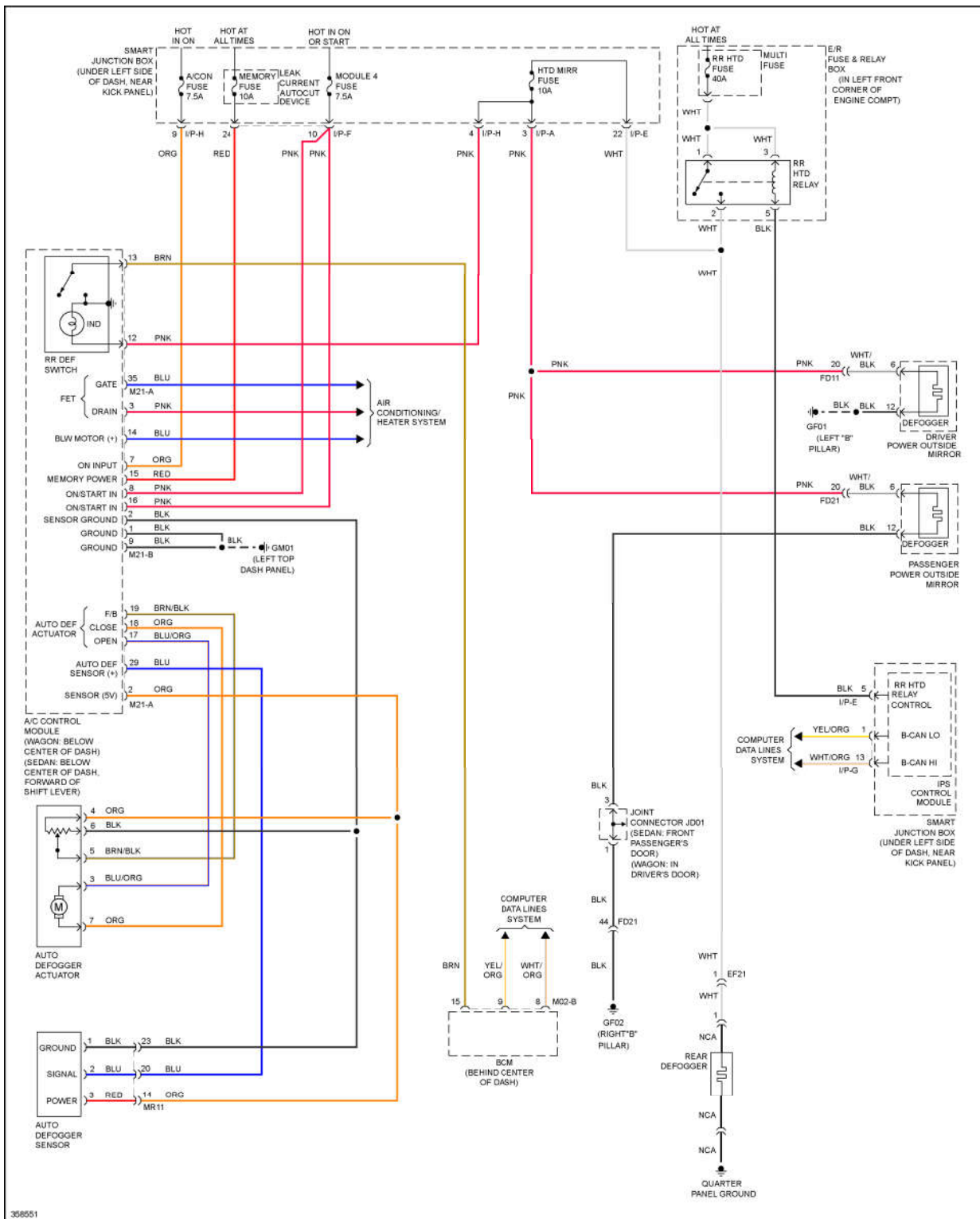


Fig. 17: Defoggers Circuit, W/ Auto Defogger

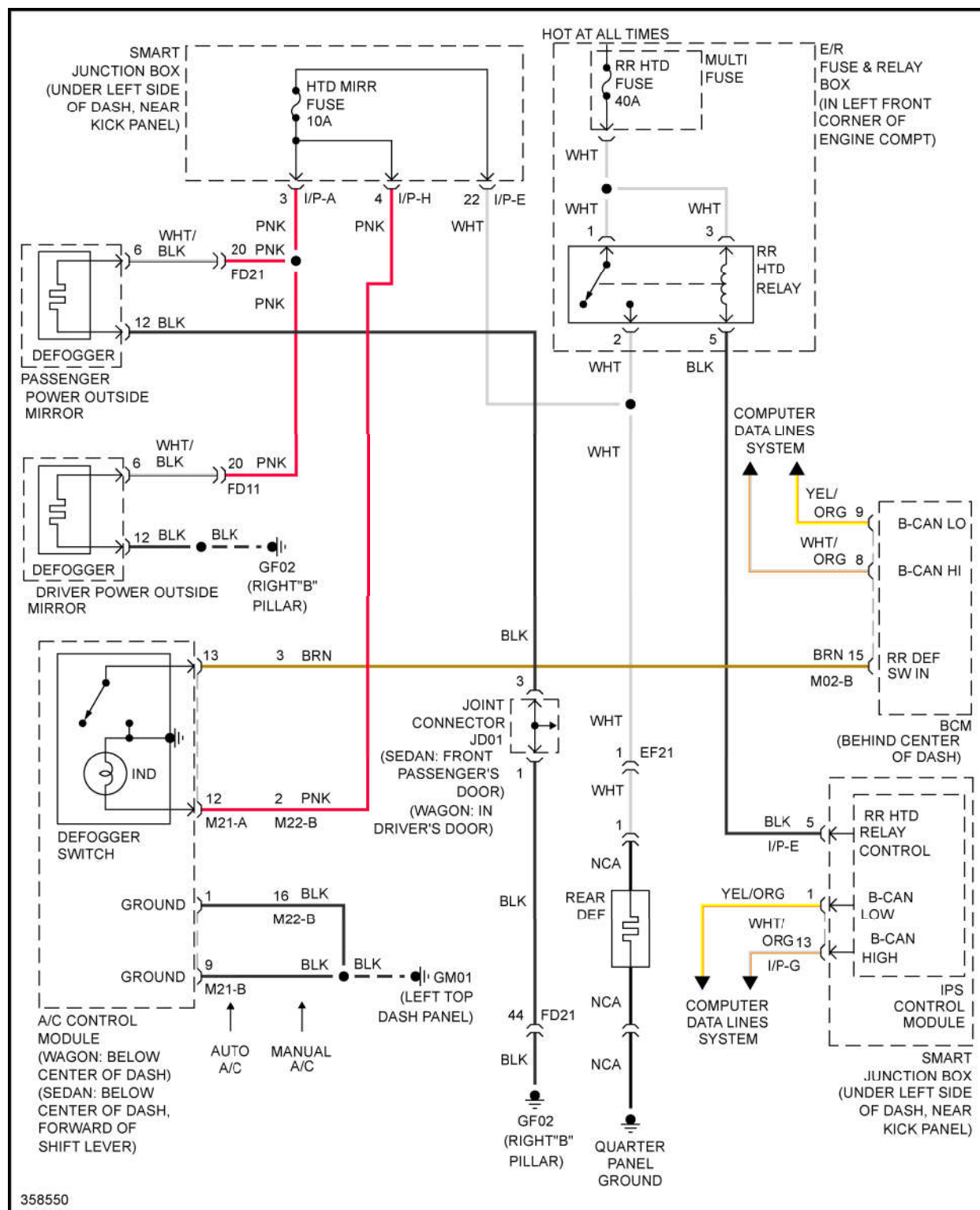


Fig. 18: Defoggers Circuit, W/O Auto Defogger

ELECTRONIC POWER STEERING

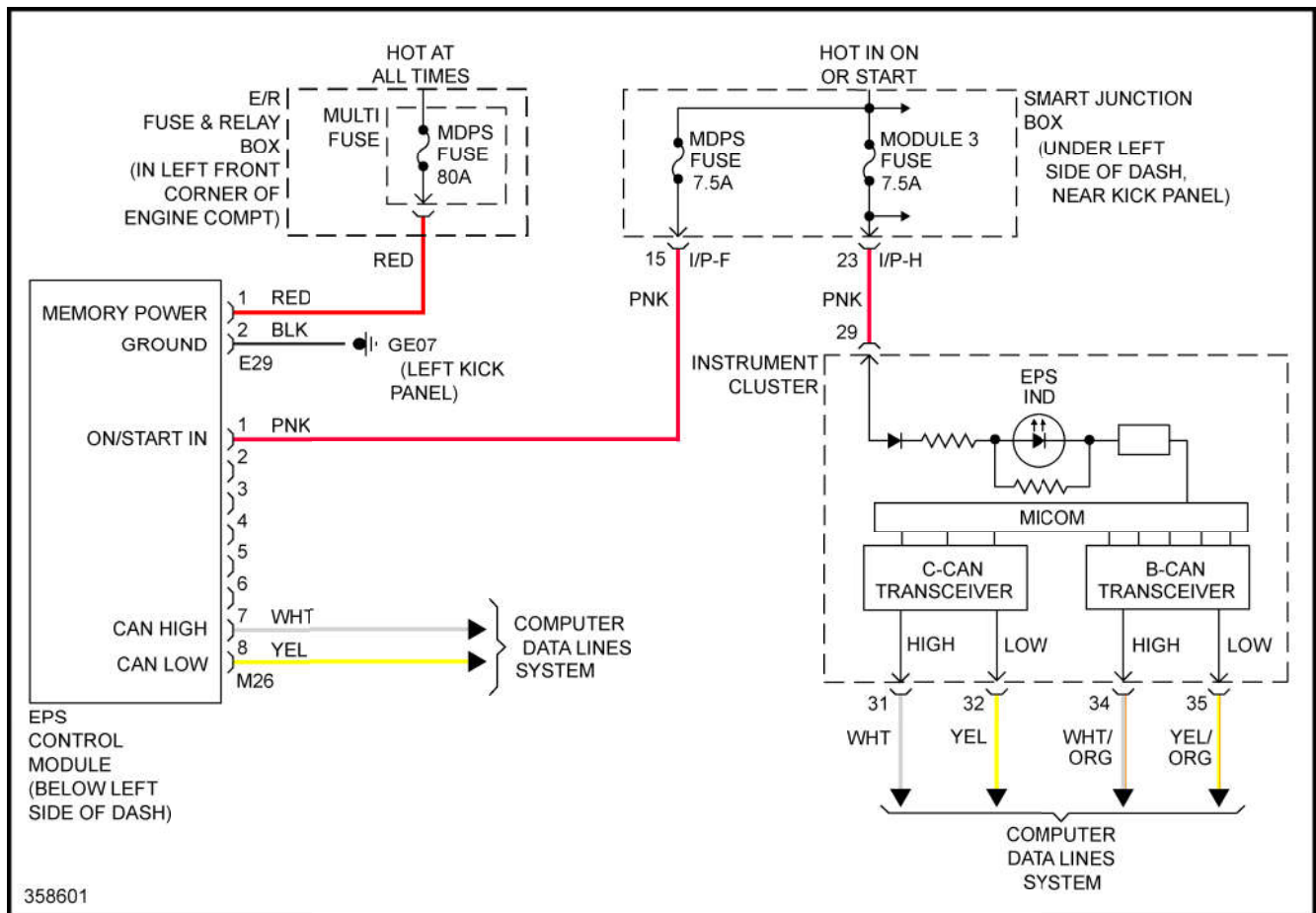


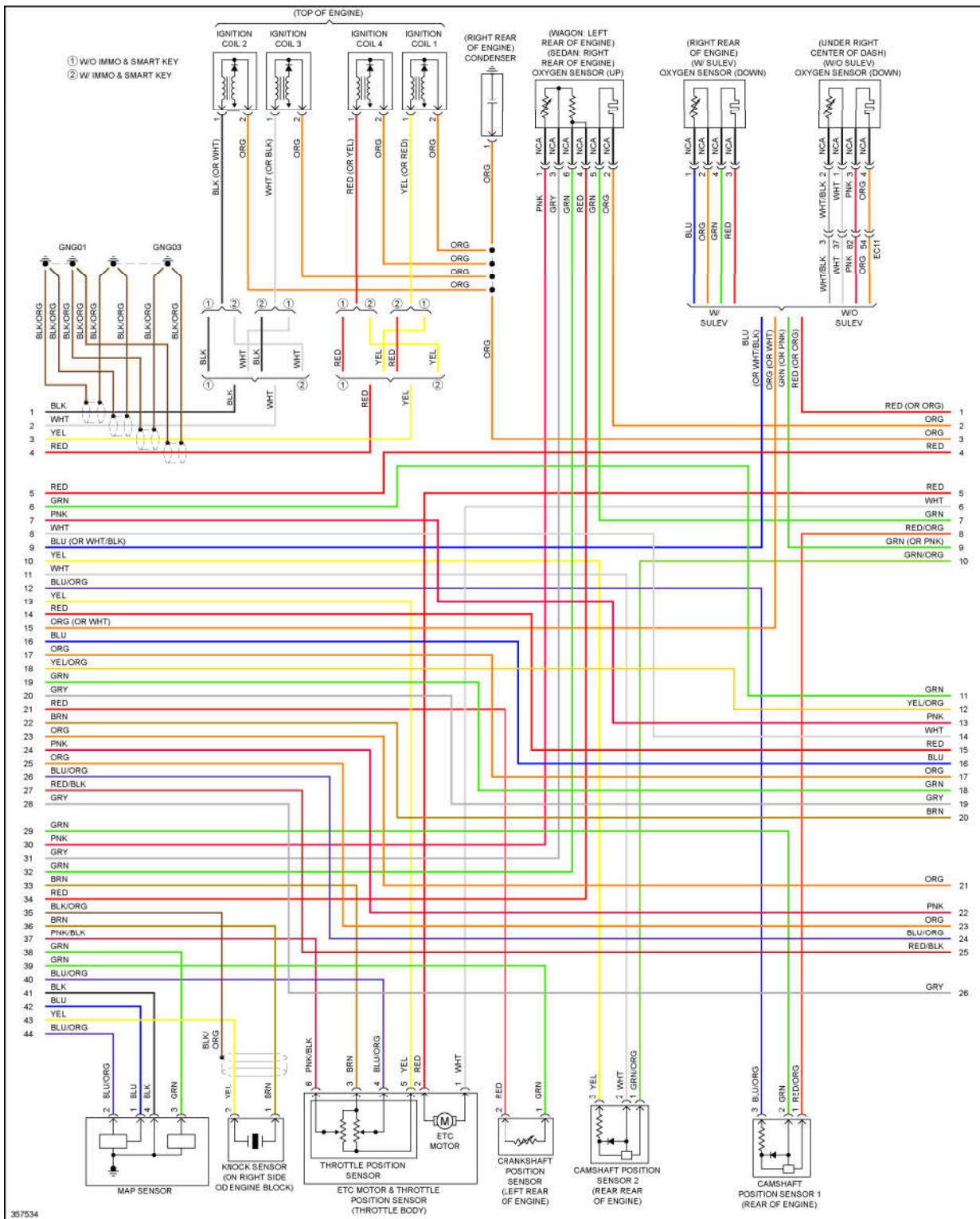
Fig. 19: Electronic Power Steering Circuit

ENGINE PERFORMANCE

1.8L

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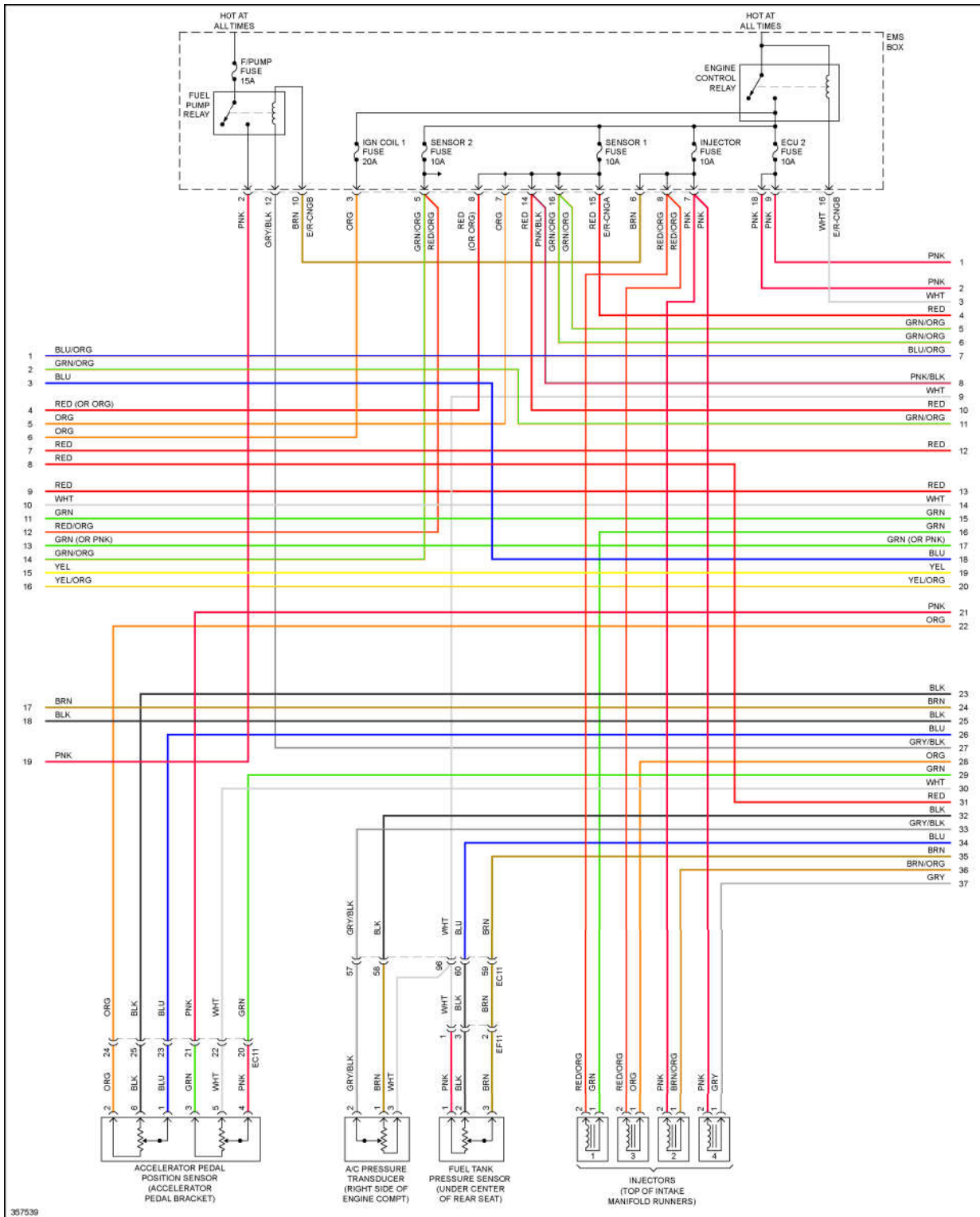


Fig. 23: 1.8L, Engine Performance Circuit, A/T (4 of 5)

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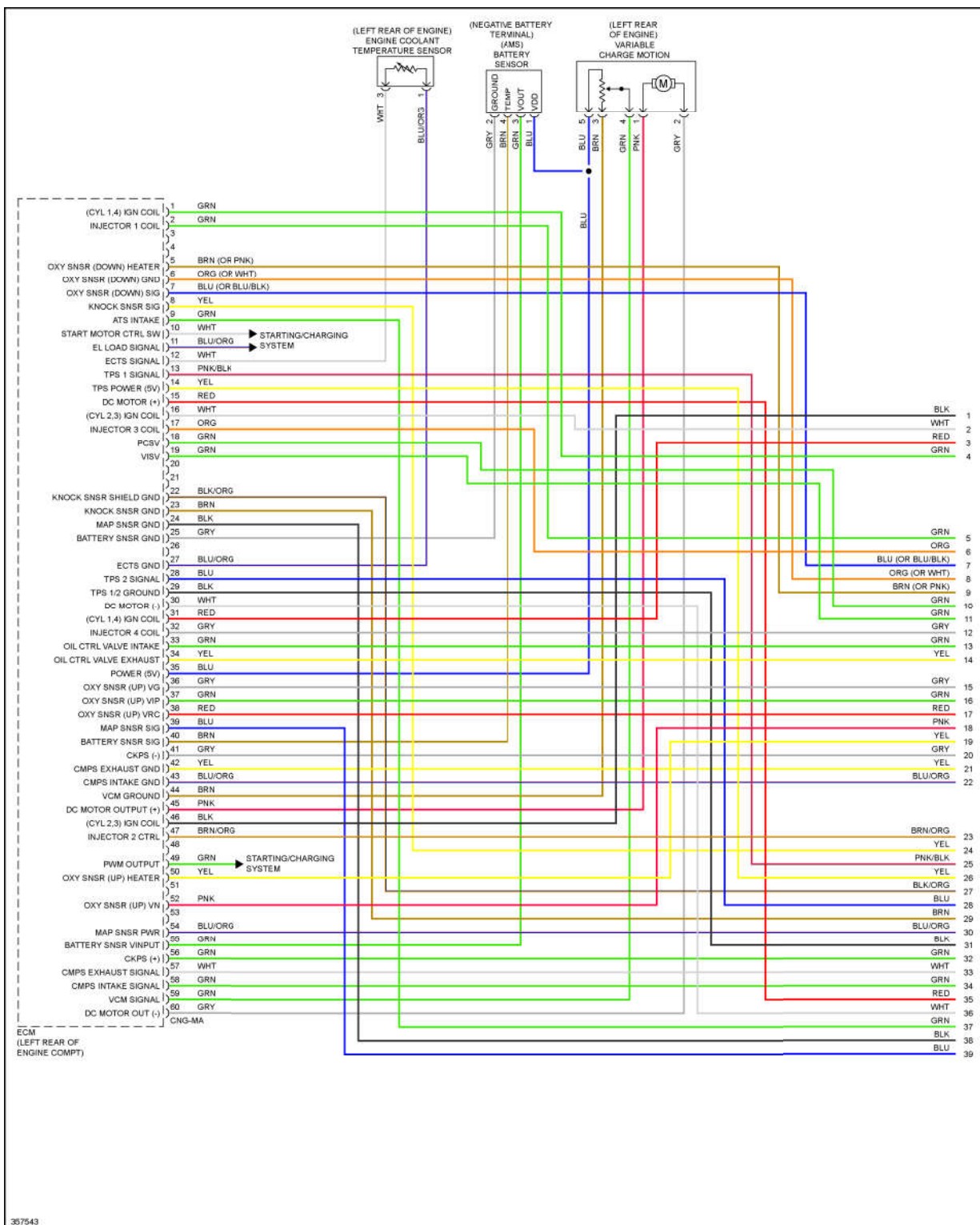


Fig. 25: 1.8L, Engine Performance Circuit, M/T (1 of 5)

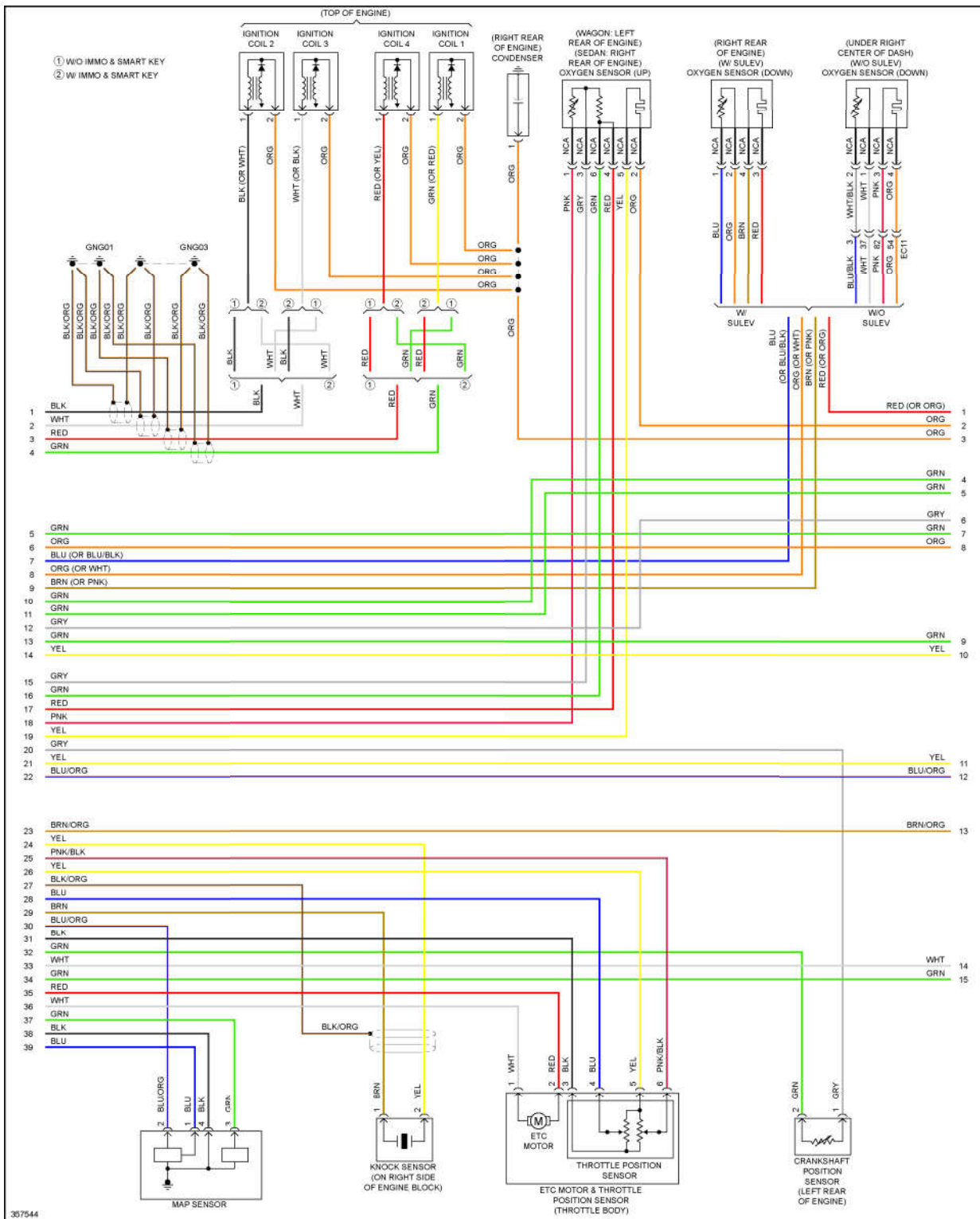


Fig. 26: 1.8L, Engine Performance Circuit, M/T (2 of 5)

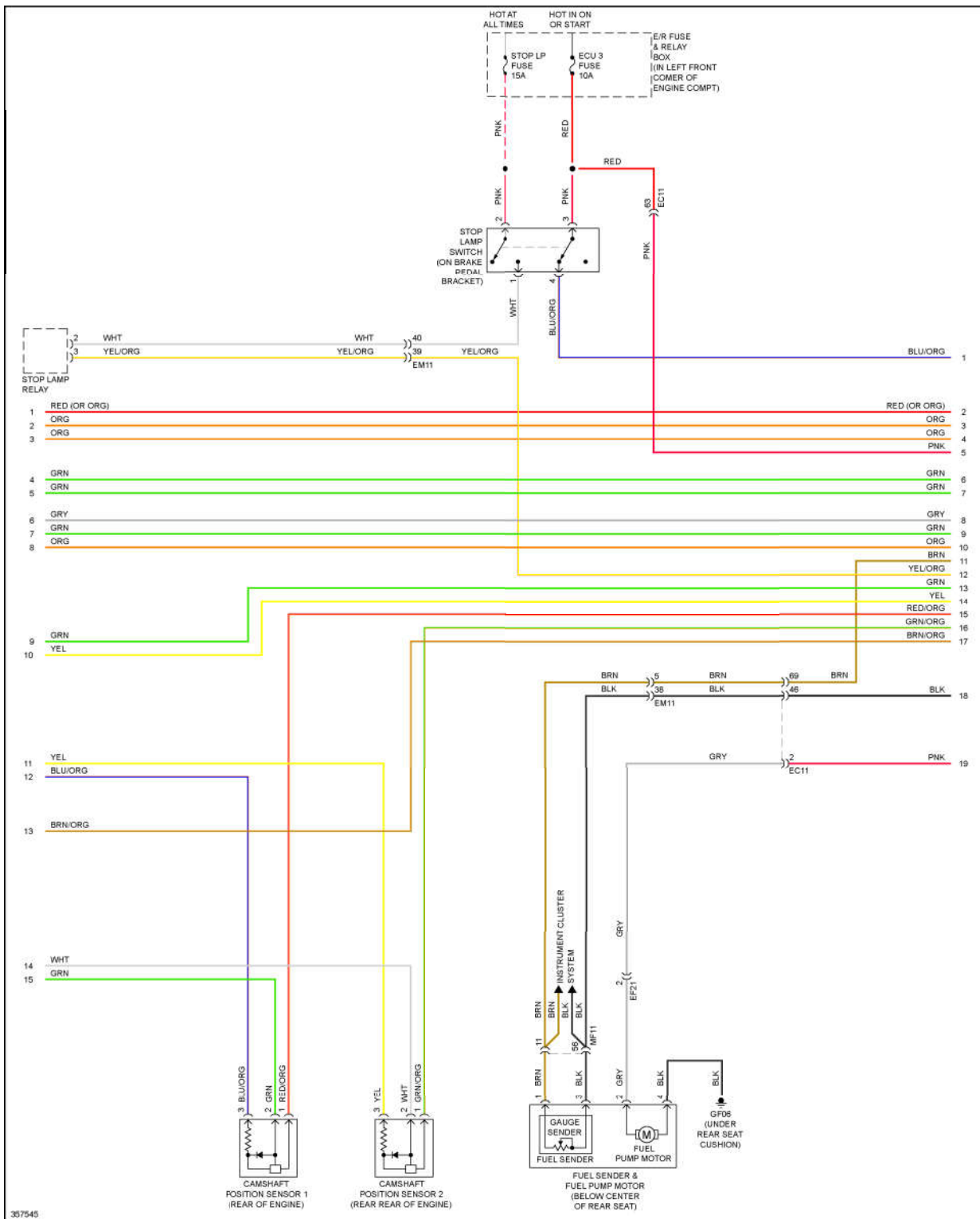


Fig. 27: 1.8L, Engine Performance Circuit, M/T (3 of 5)

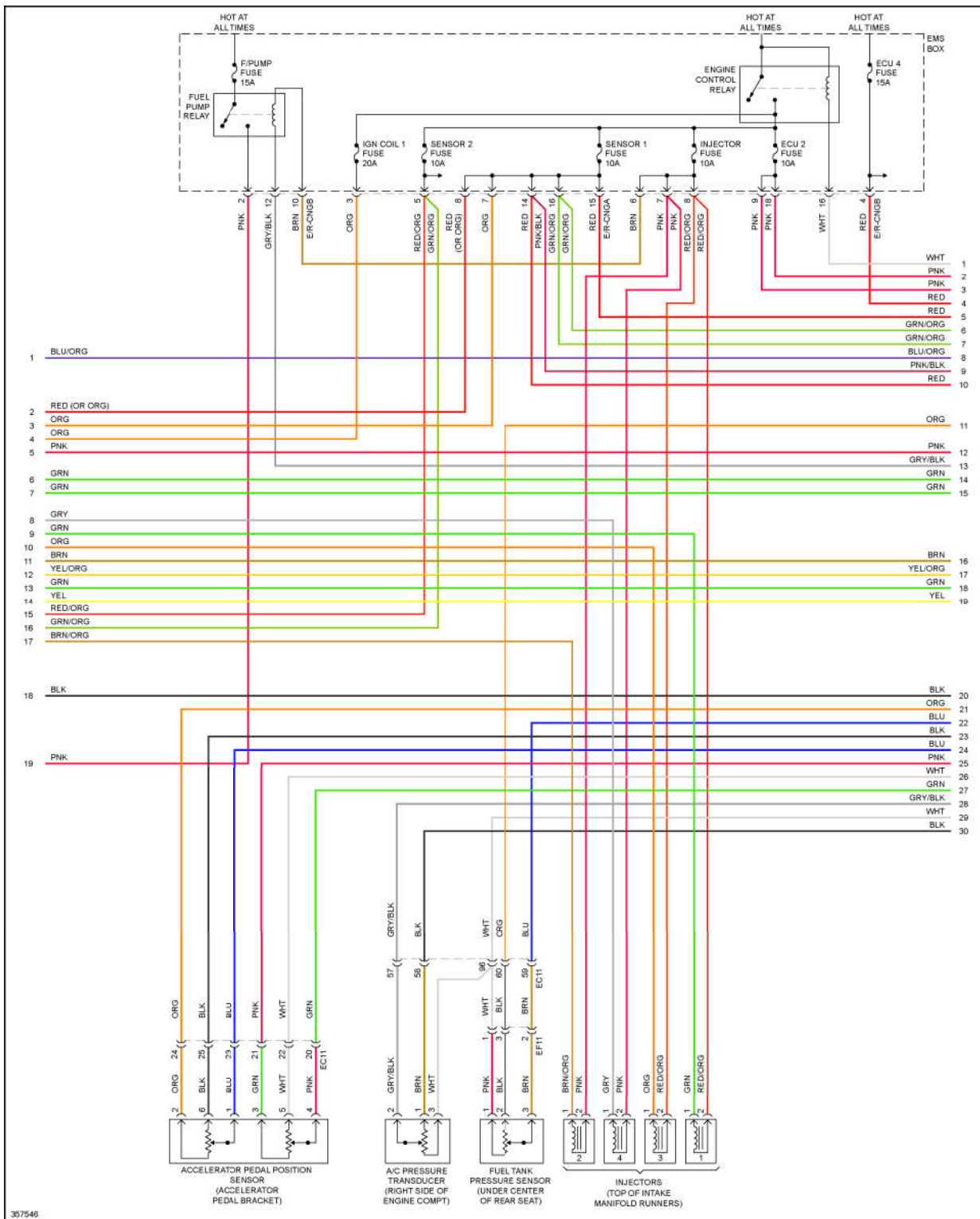


Fig. 28: 1.8L, Engine Performance Circuit, M/T (4 of 5)

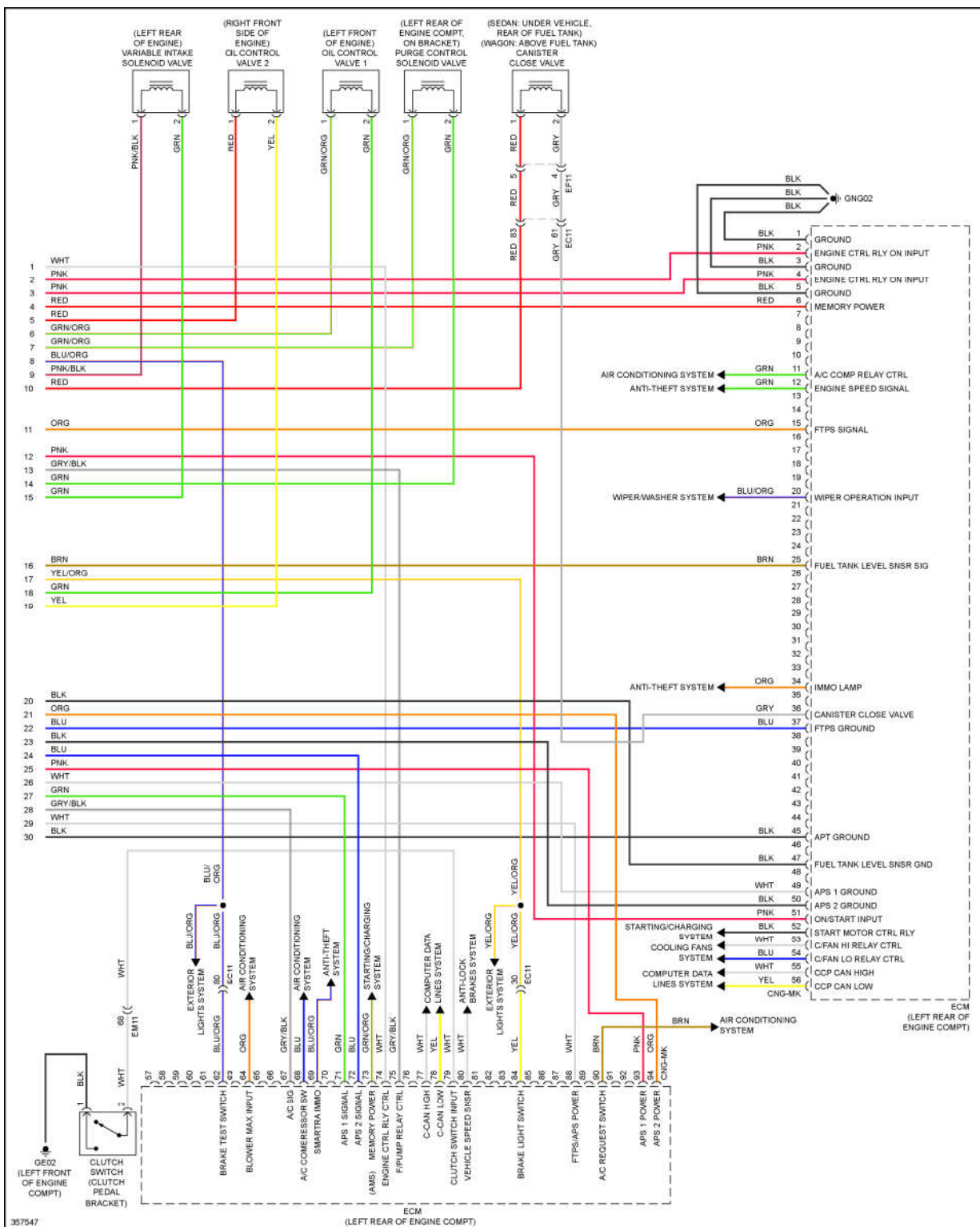


Fig. 29: 1.8L, Engine Performance Circuit, M/T (5 of 5)

EXTERIOR LIGHTS

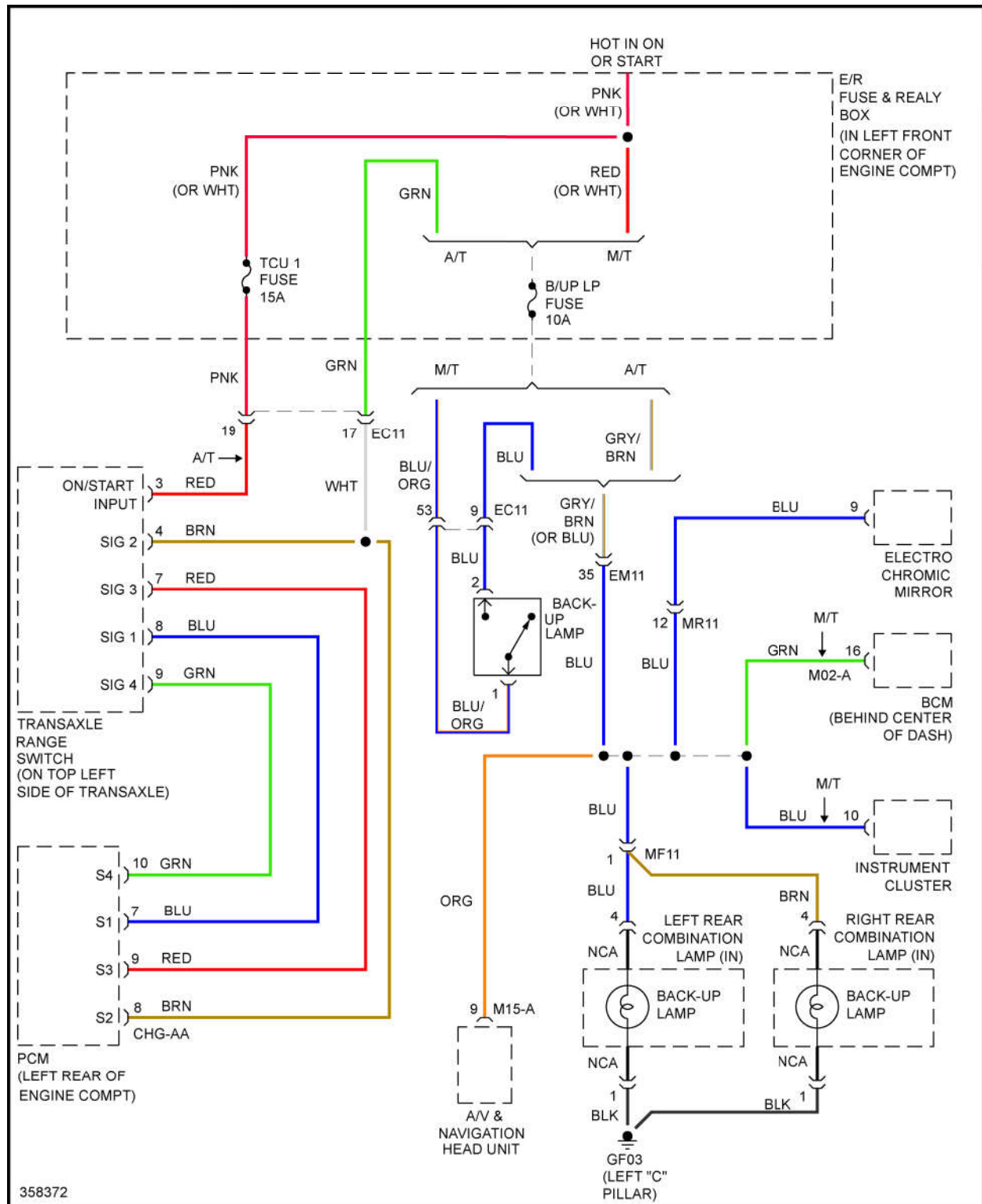


Fig. 30: Backup Lamps Circuit

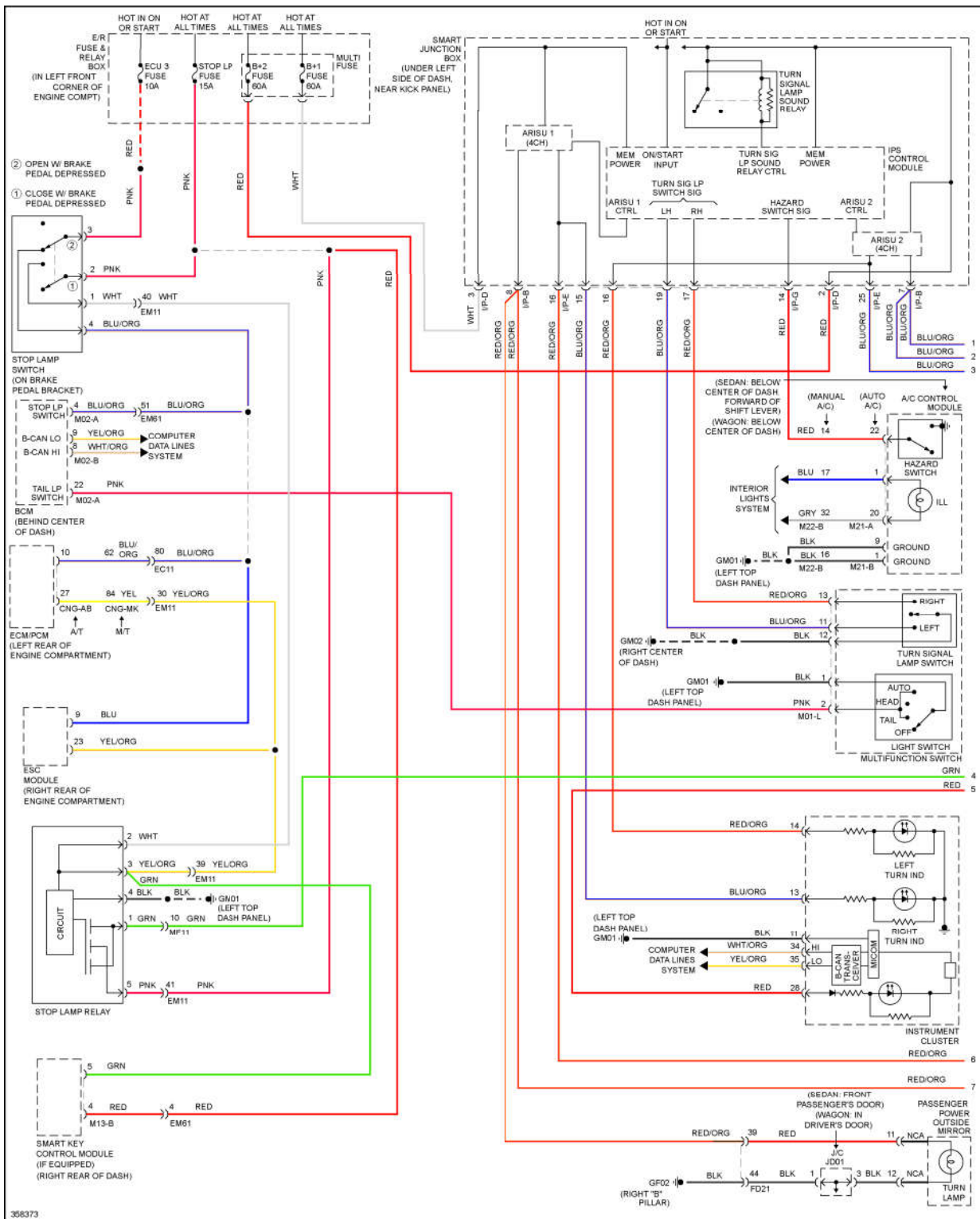


Fig. 31: Exterior Lamps Circuit (1 of 2)

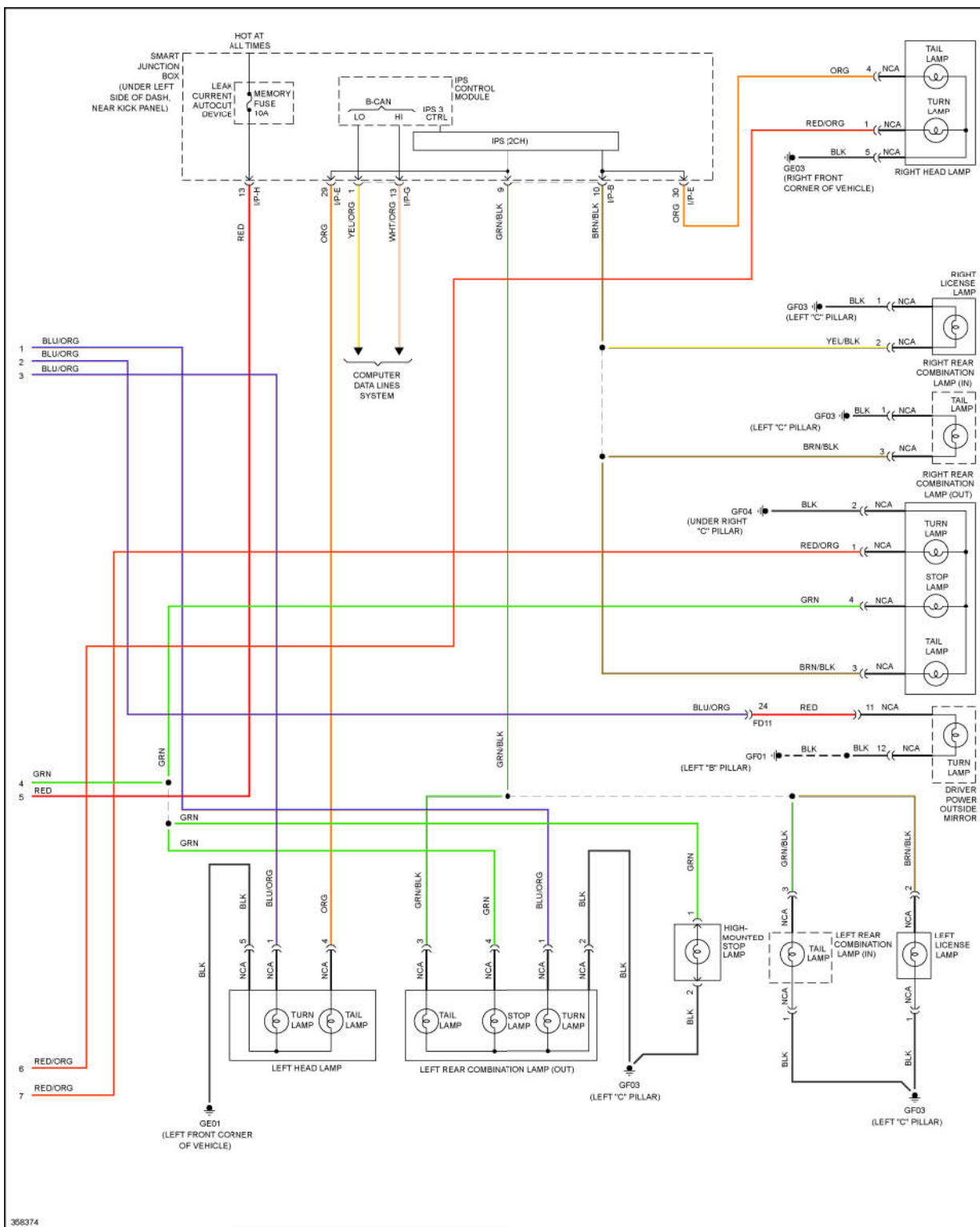


Fig. 32: Exterior Lamps Circuit (2 of 2)

GROUND DISTRIBUTION

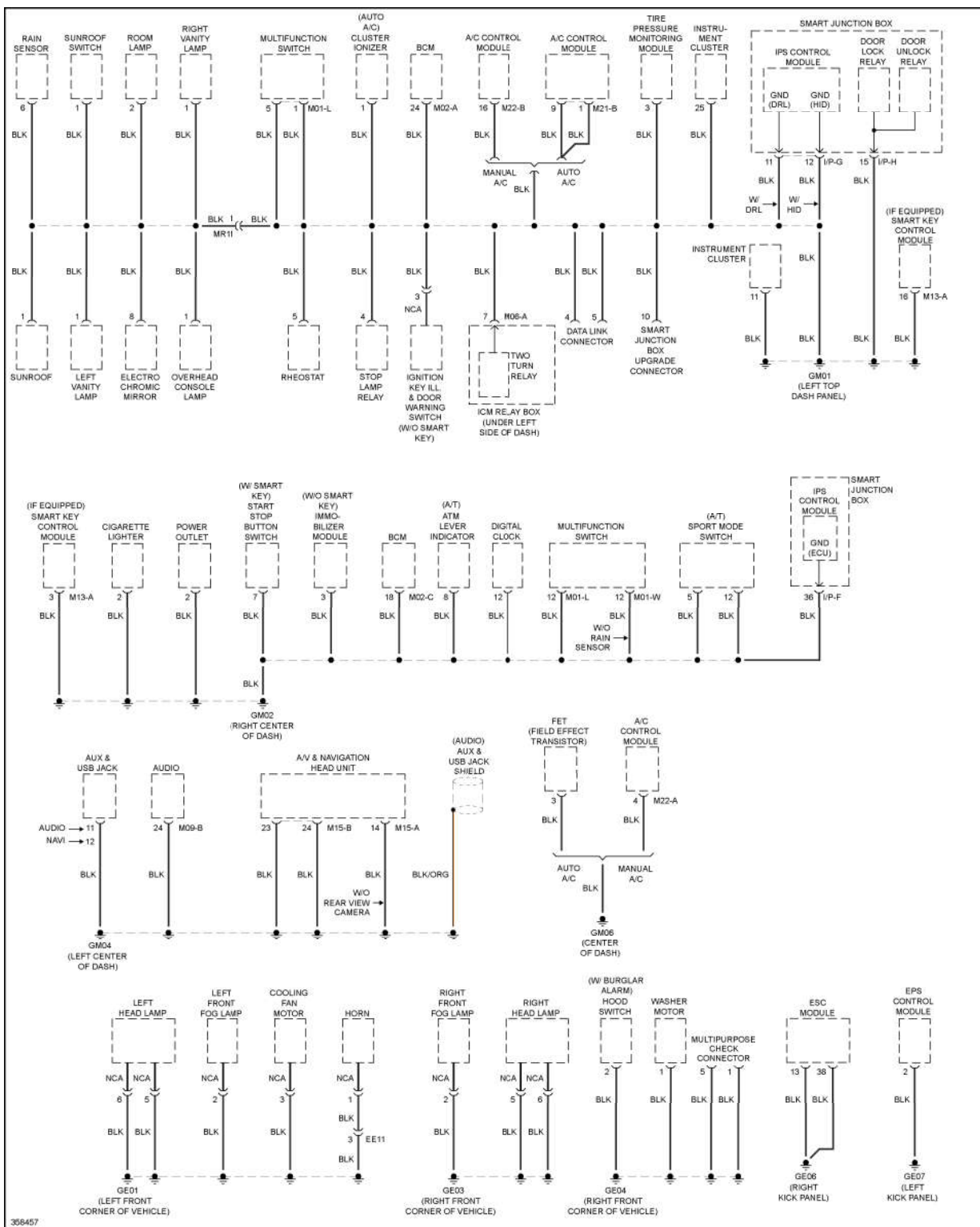


Fig. 33: Ground Distribution Circuit (1 of 3)

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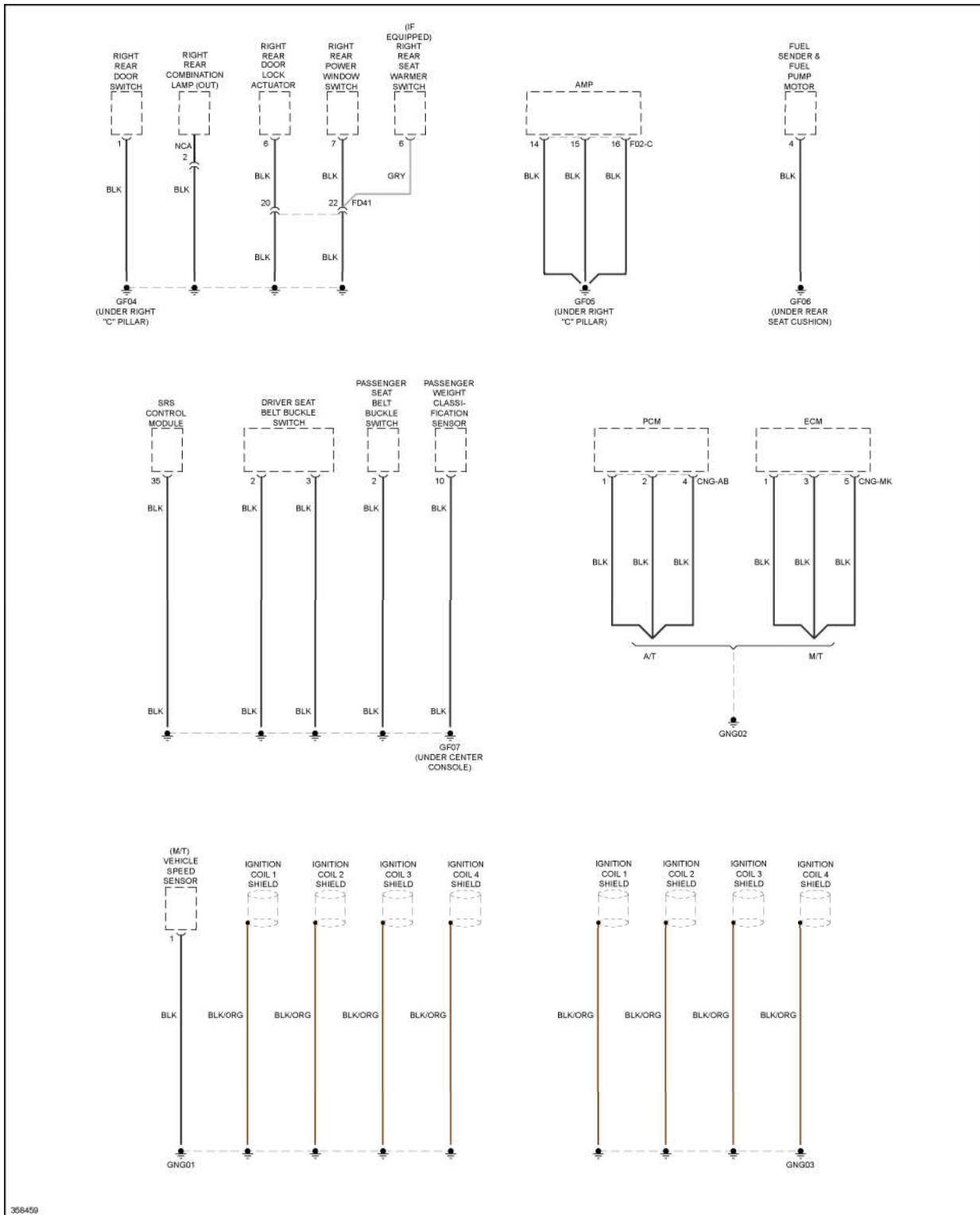


Fig. 35: Ground Distribution Circuit (3 of 3)

HEADLIGHTS

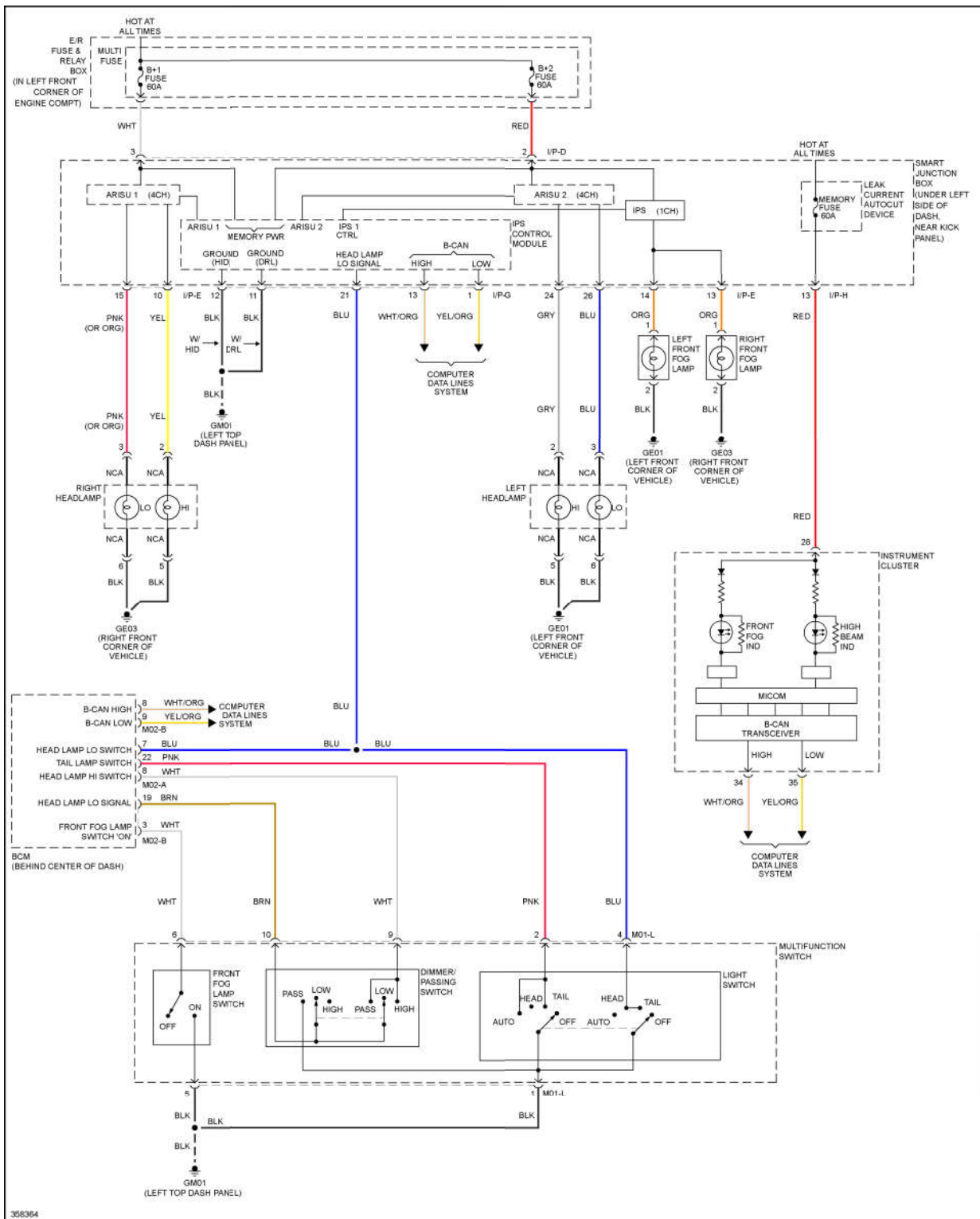


Fig. 36: Headlights Circuit

HORN

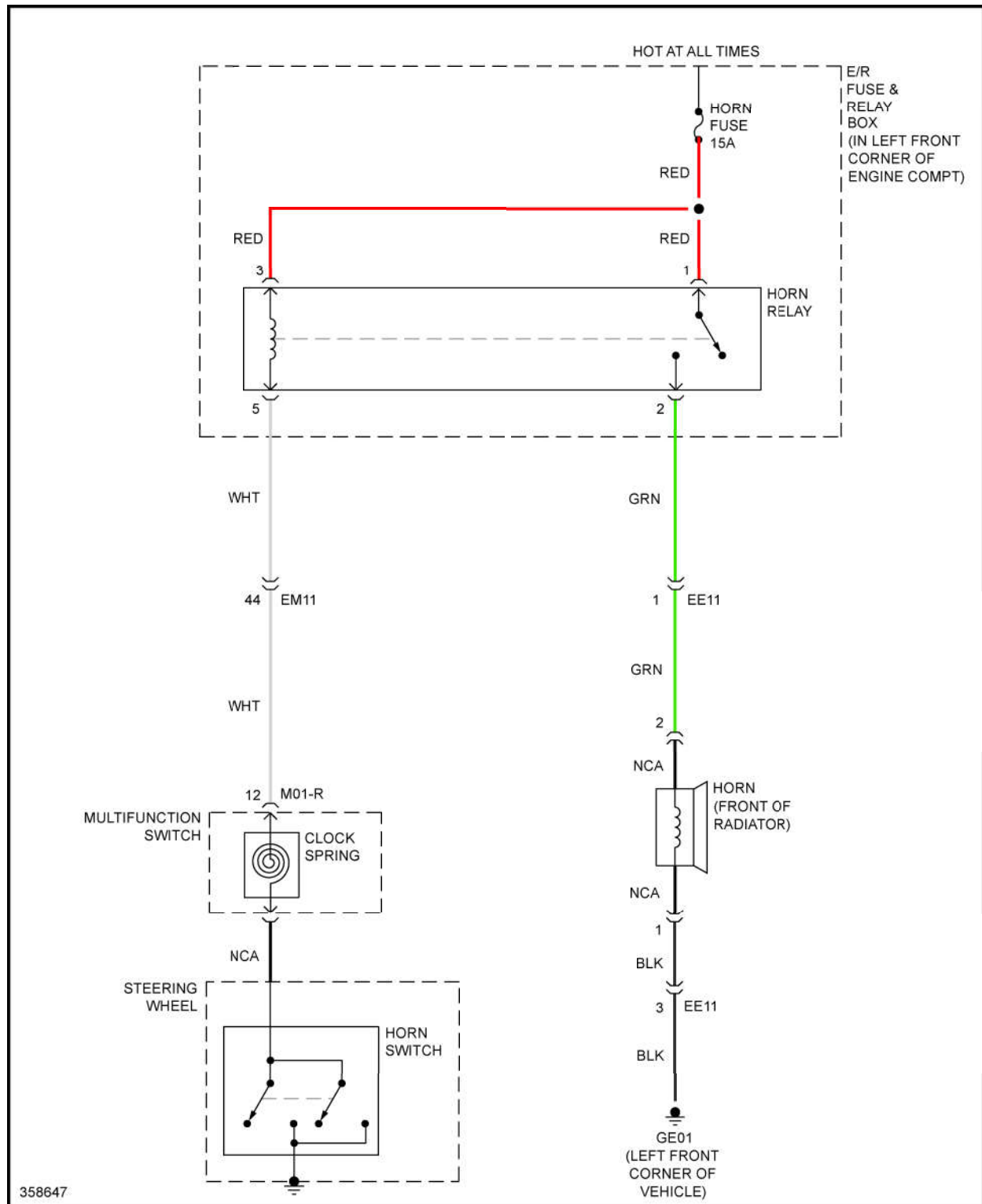


Fig. 37: Horn Circuit

INSTRUMENT CLUSTER



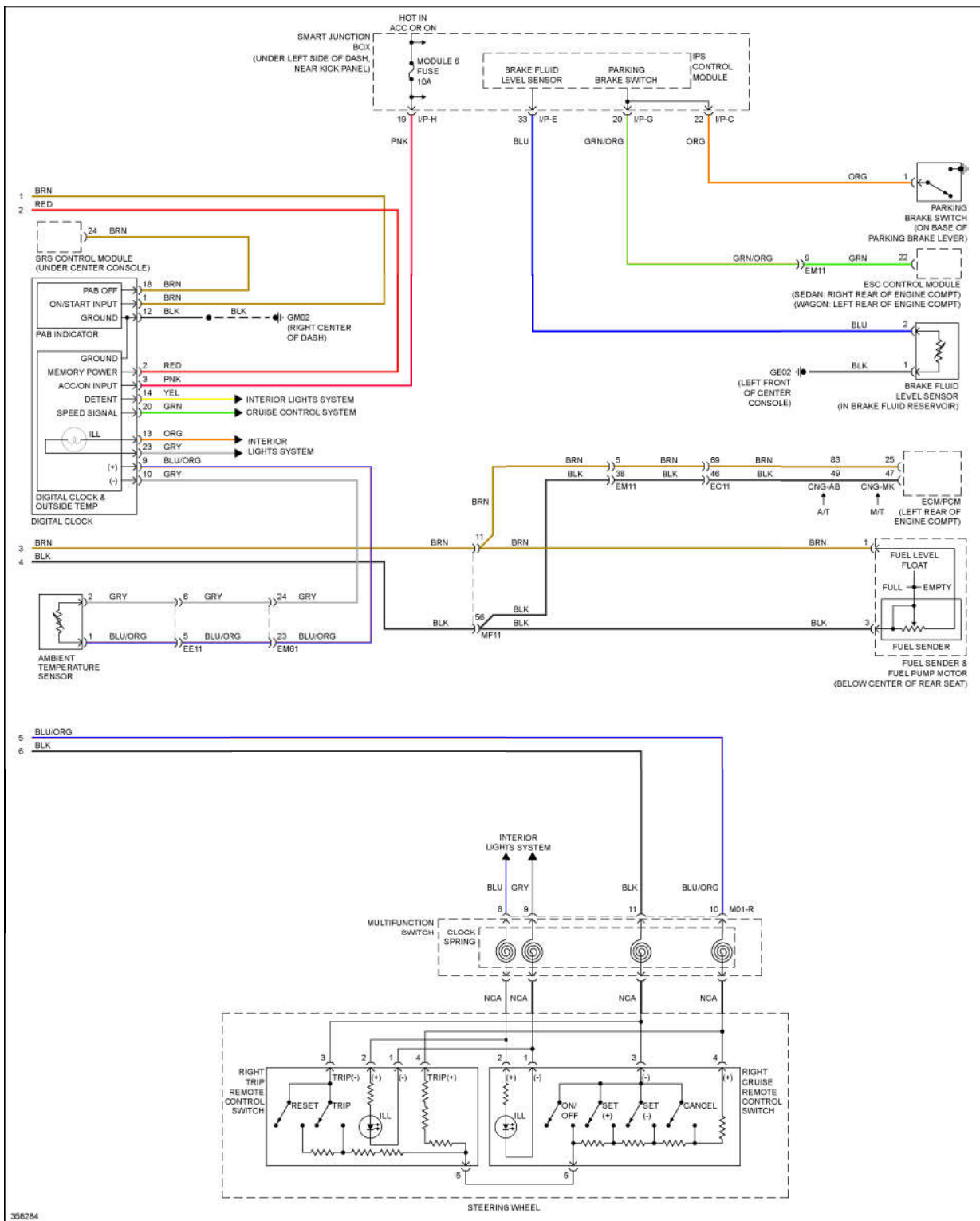


Fig. 39: Instrument Cluster Circuit (2 of 2)

INTERIOR LIGHTS

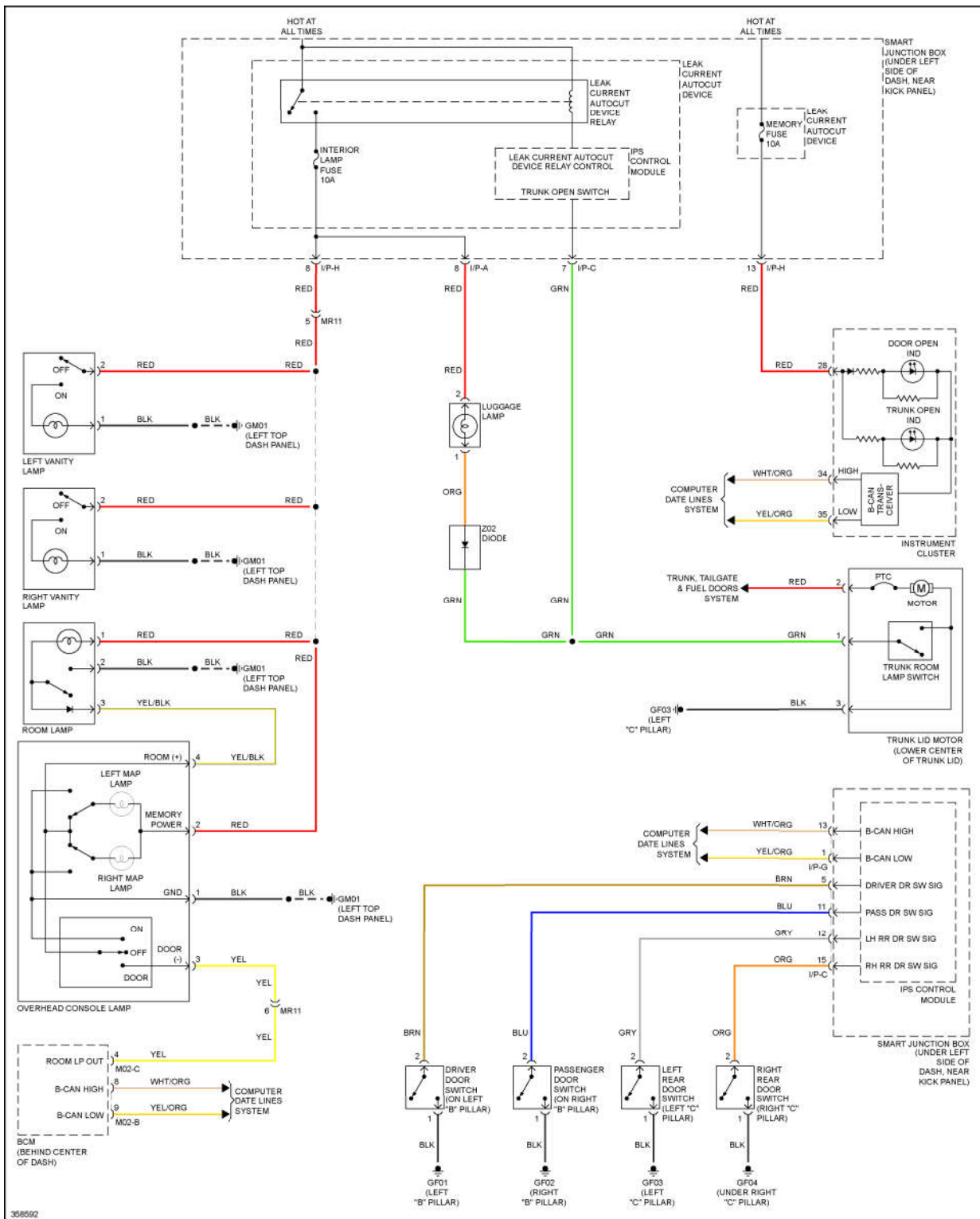


Fig. 40: Courtesy Lamps Circuit



NAVIGATION

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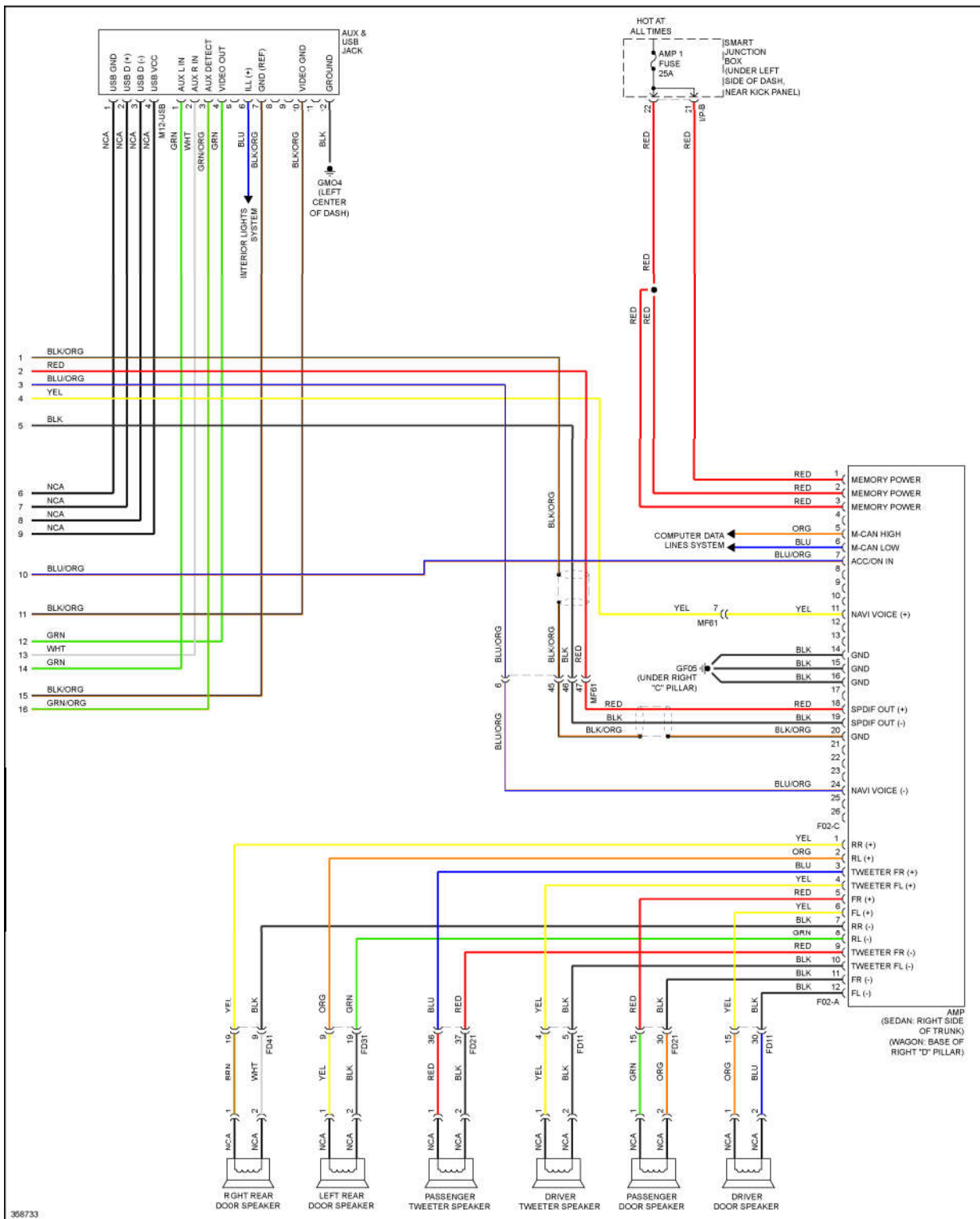


Fig. 44: Navigation Circuit (2 of 2)

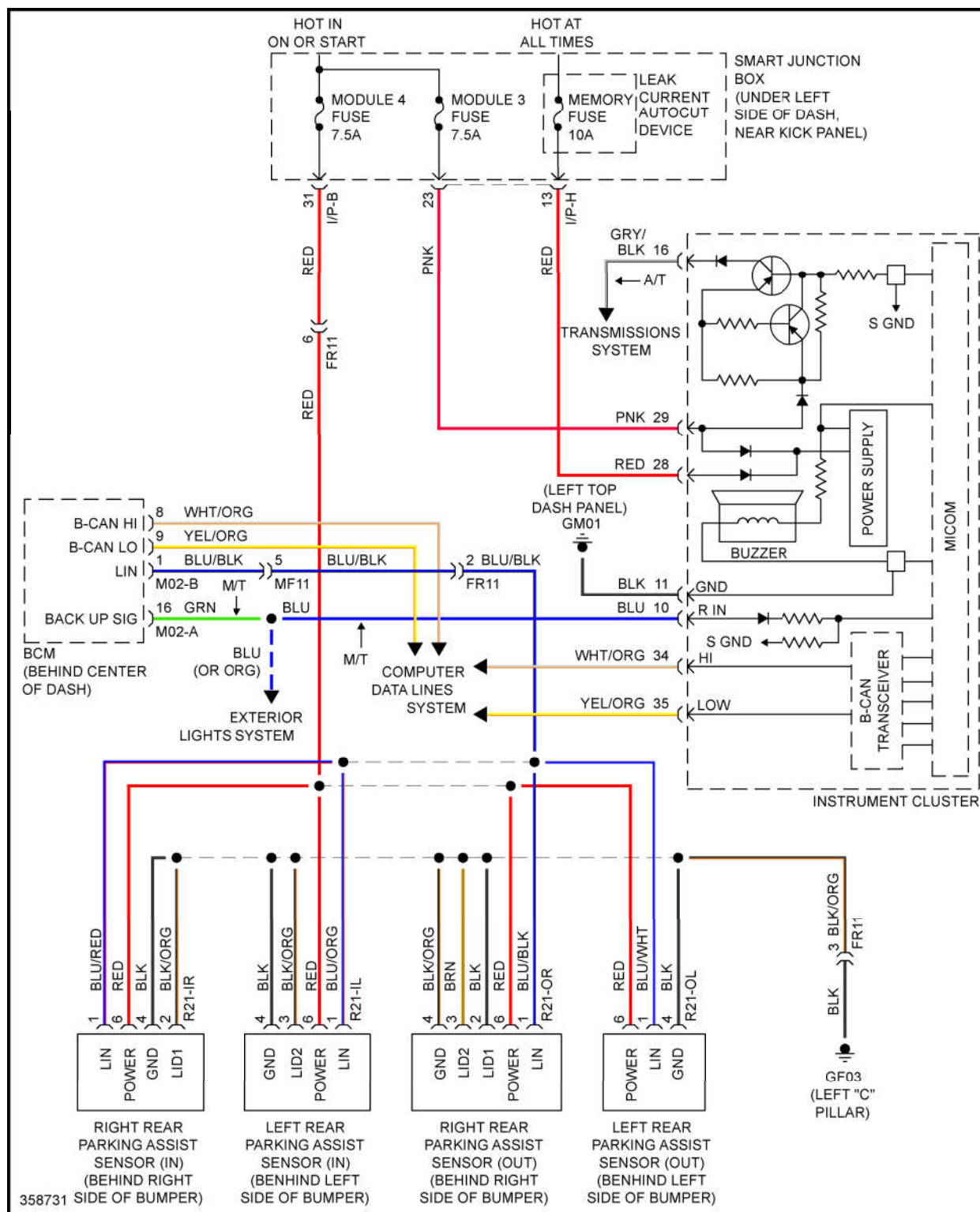


Fig. 45: Parking Assistant Circuit

POWER DISTRIBUTION

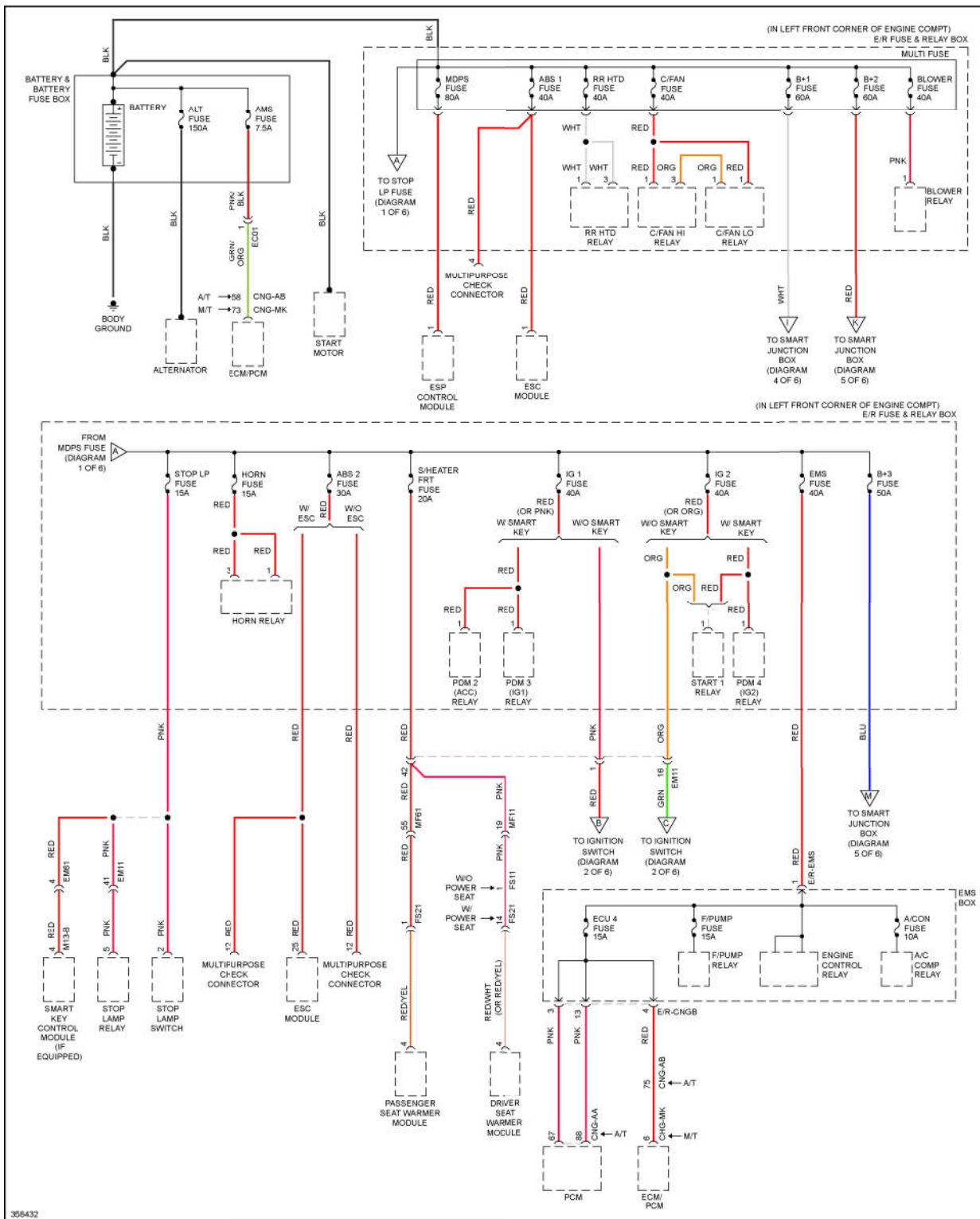


Fig. 46: Power Distribution Circuit (1 of 6)

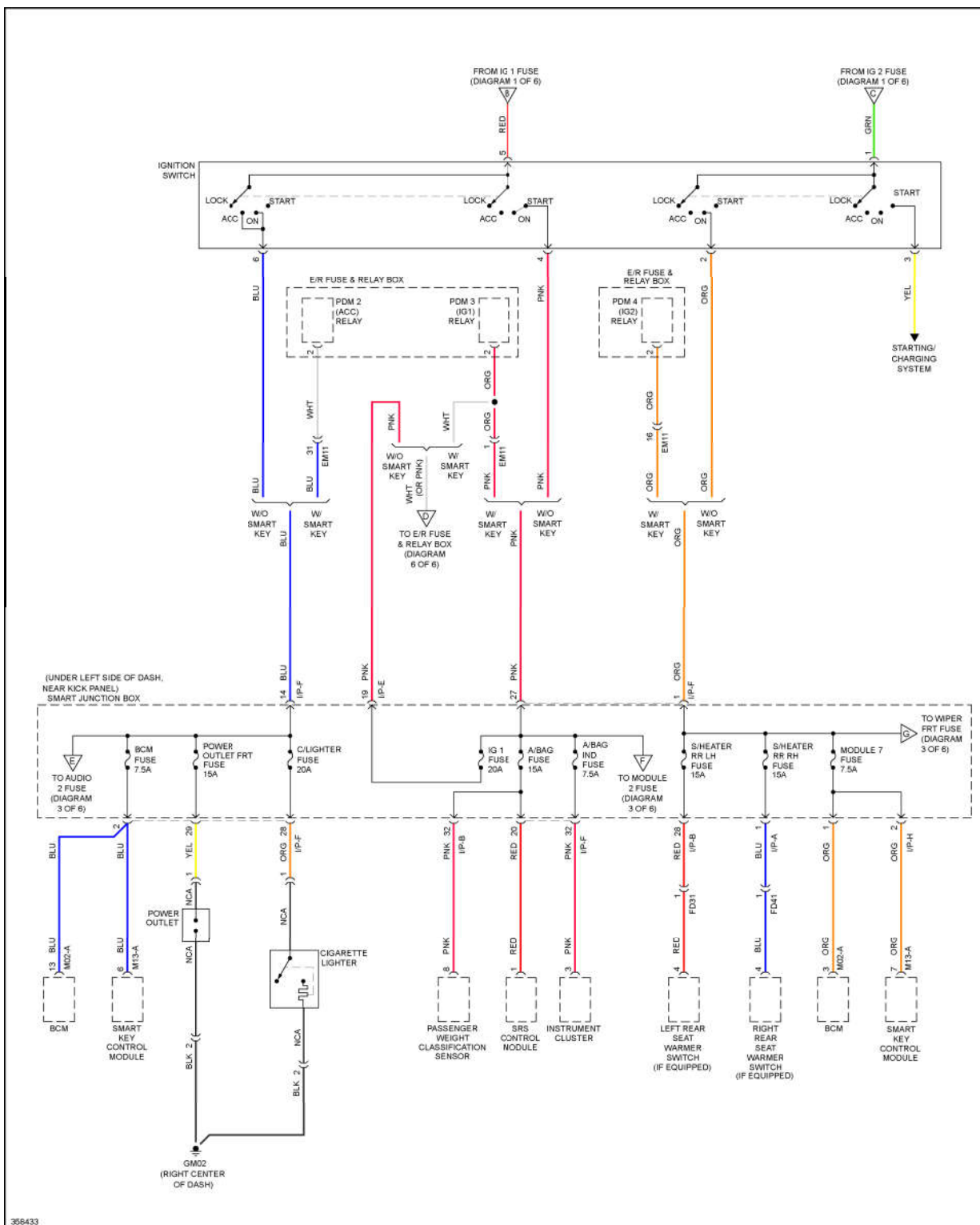


Fig. 47: Power Distribution Circuit (2 of 6)

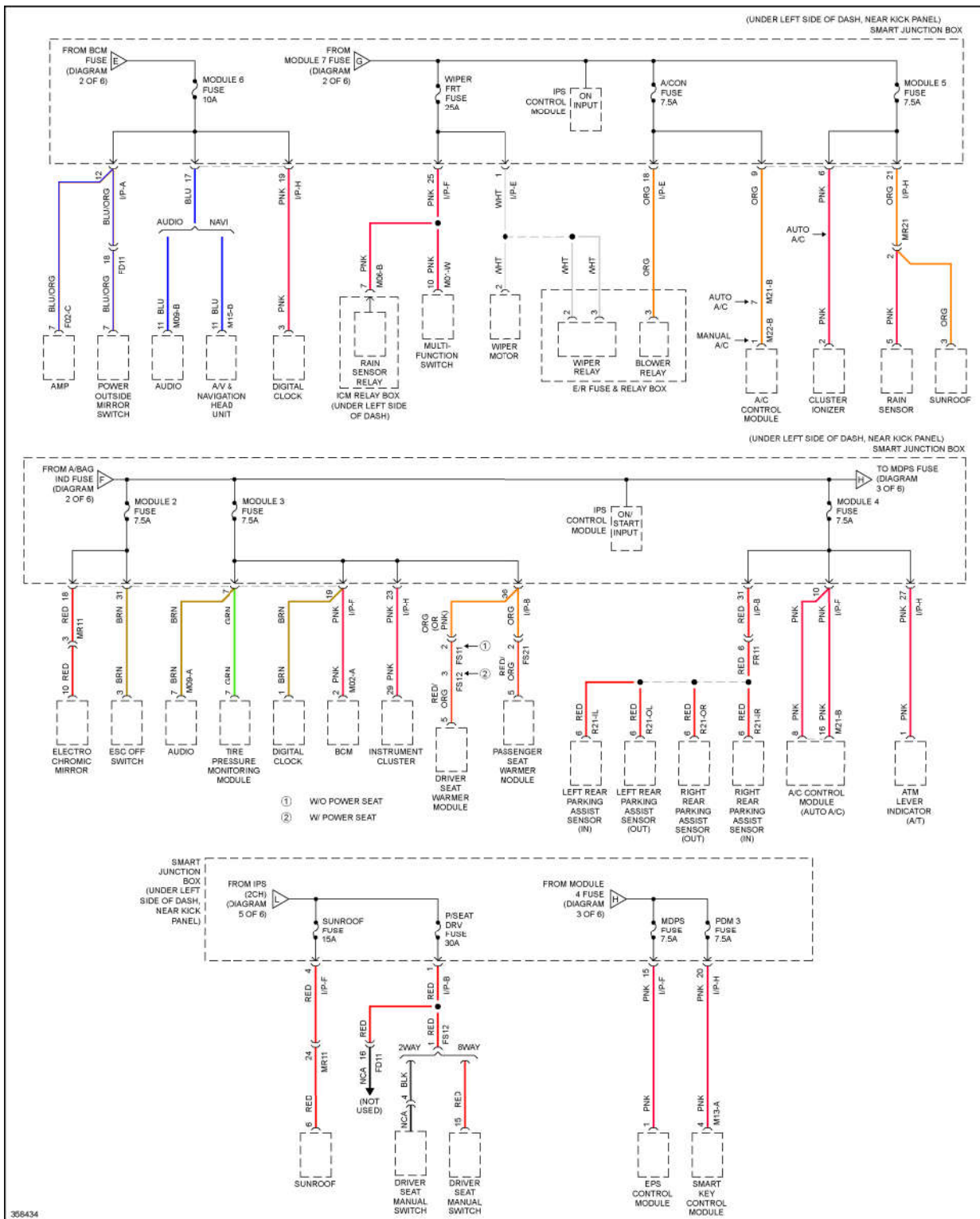


Fig. 48: Power Distribution Circuit (3 of 6)

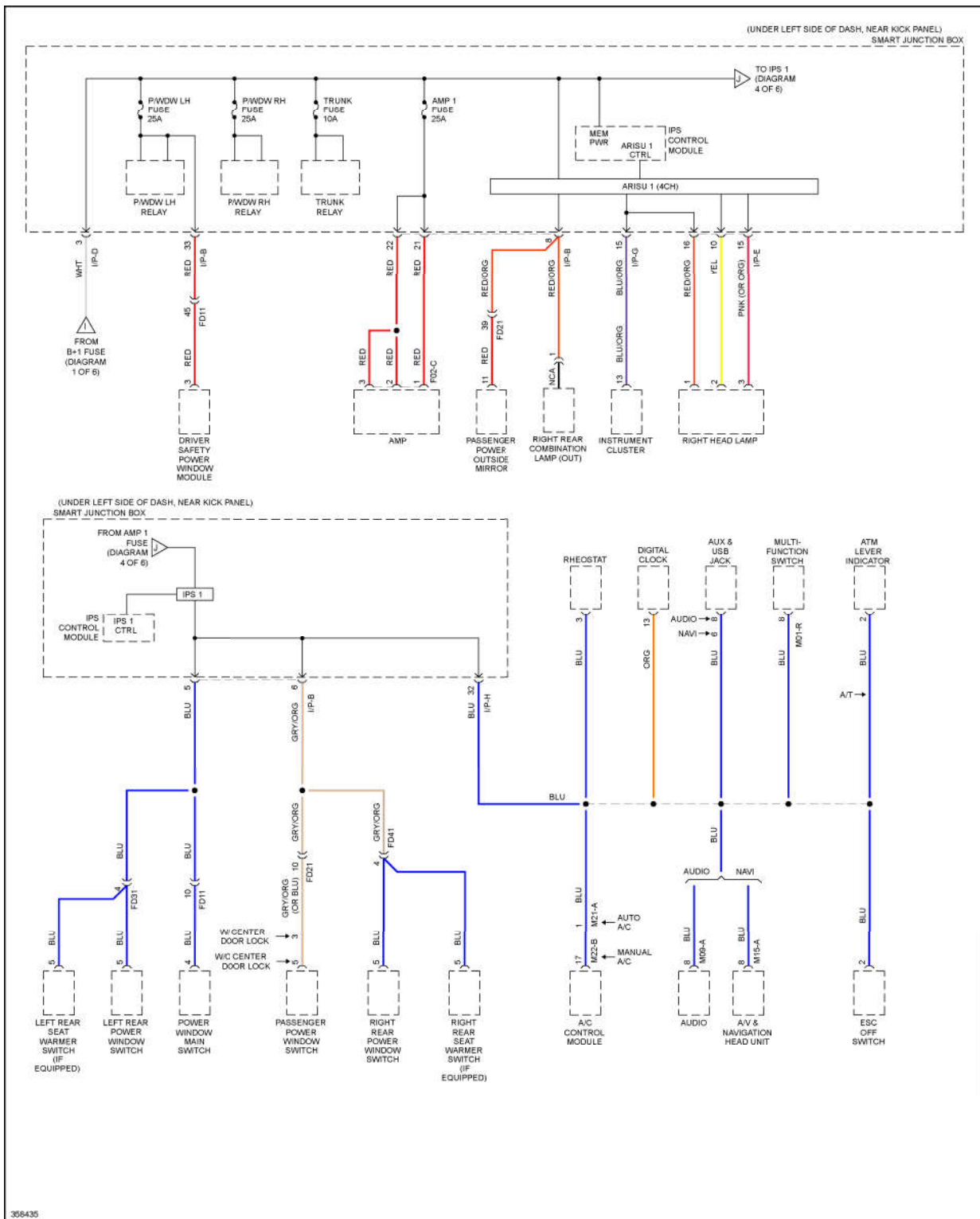


Fig. 49: Power Distribution Circuit (4 of 6)

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POWER DOOR LOCKS

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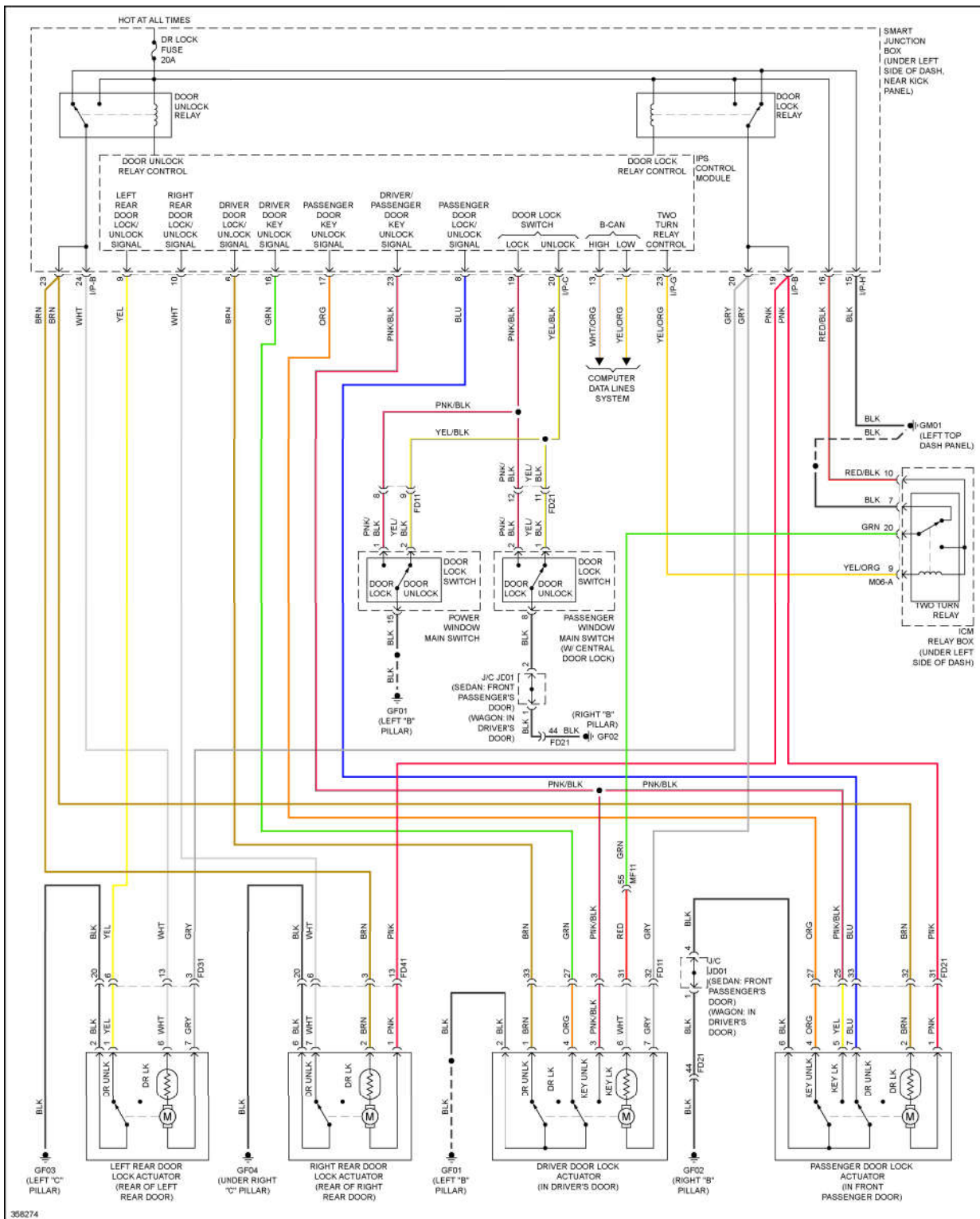


Fig. 52: Power Door Locks Circuit

POWER MIRRORS

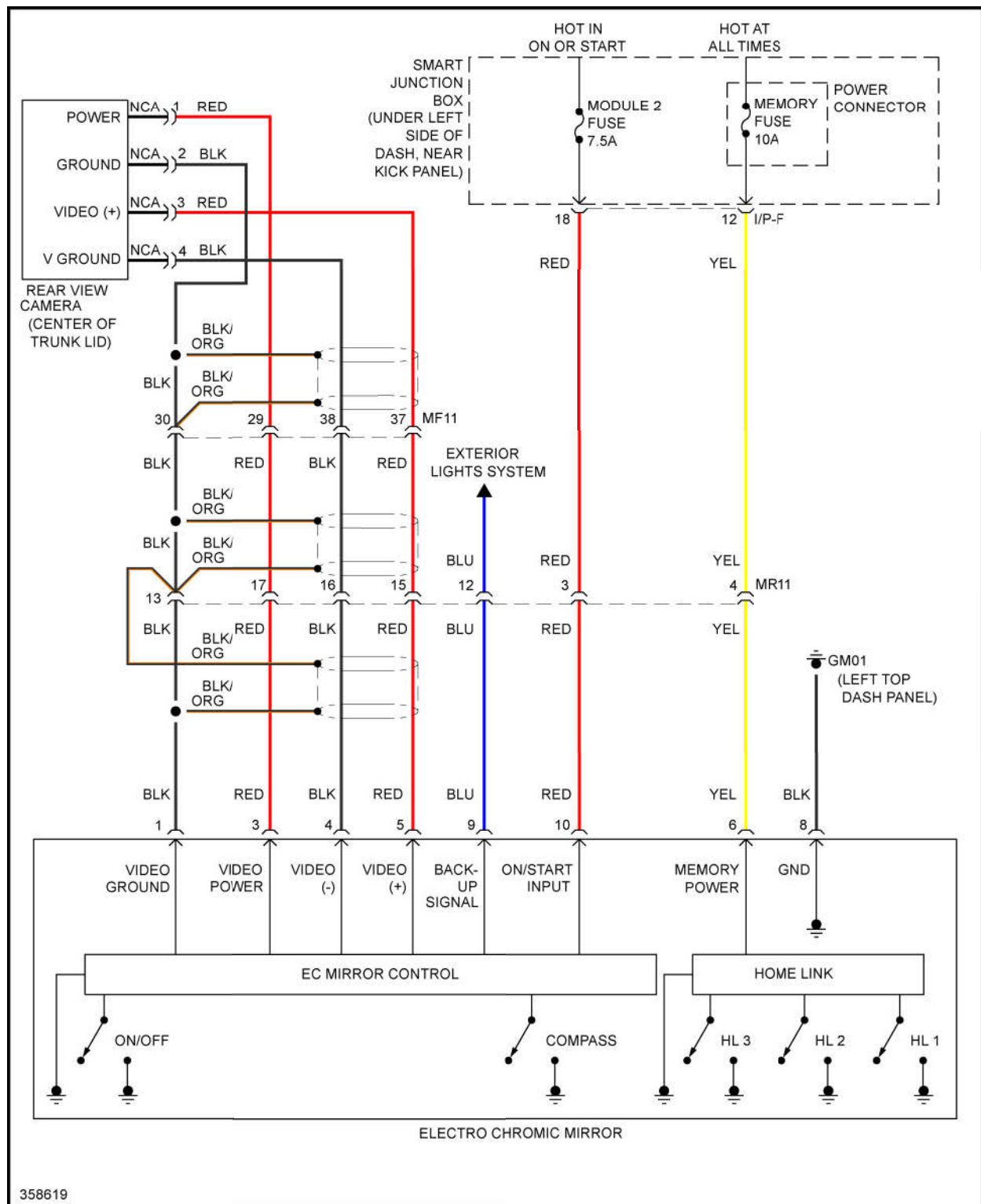


Fig. 53: Electrochromic Mirror Circuit, W/ Home Link & Rear Camera Display

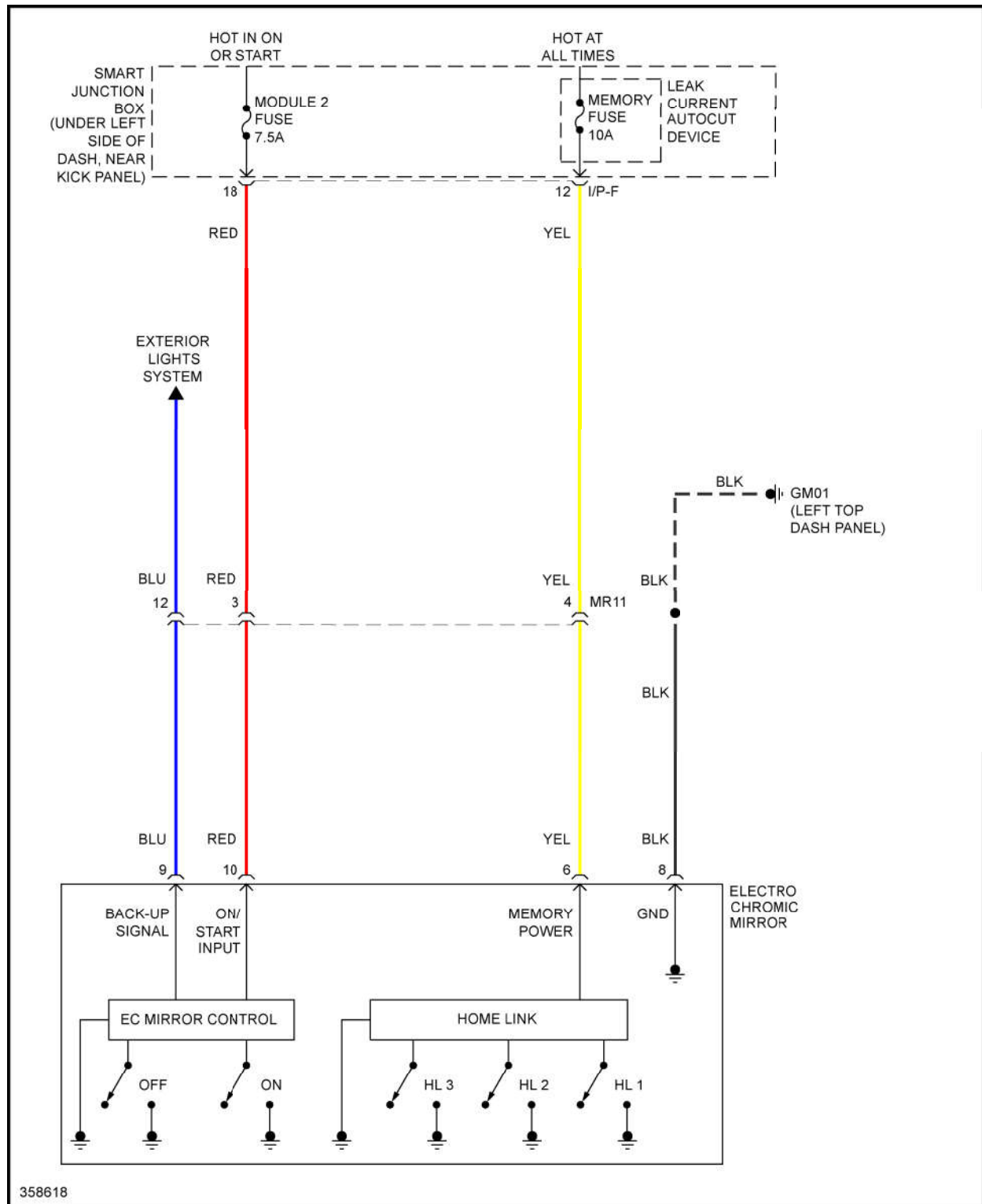


Fig. 54: Electrochromic Mirror Circuit, W/ Home Link

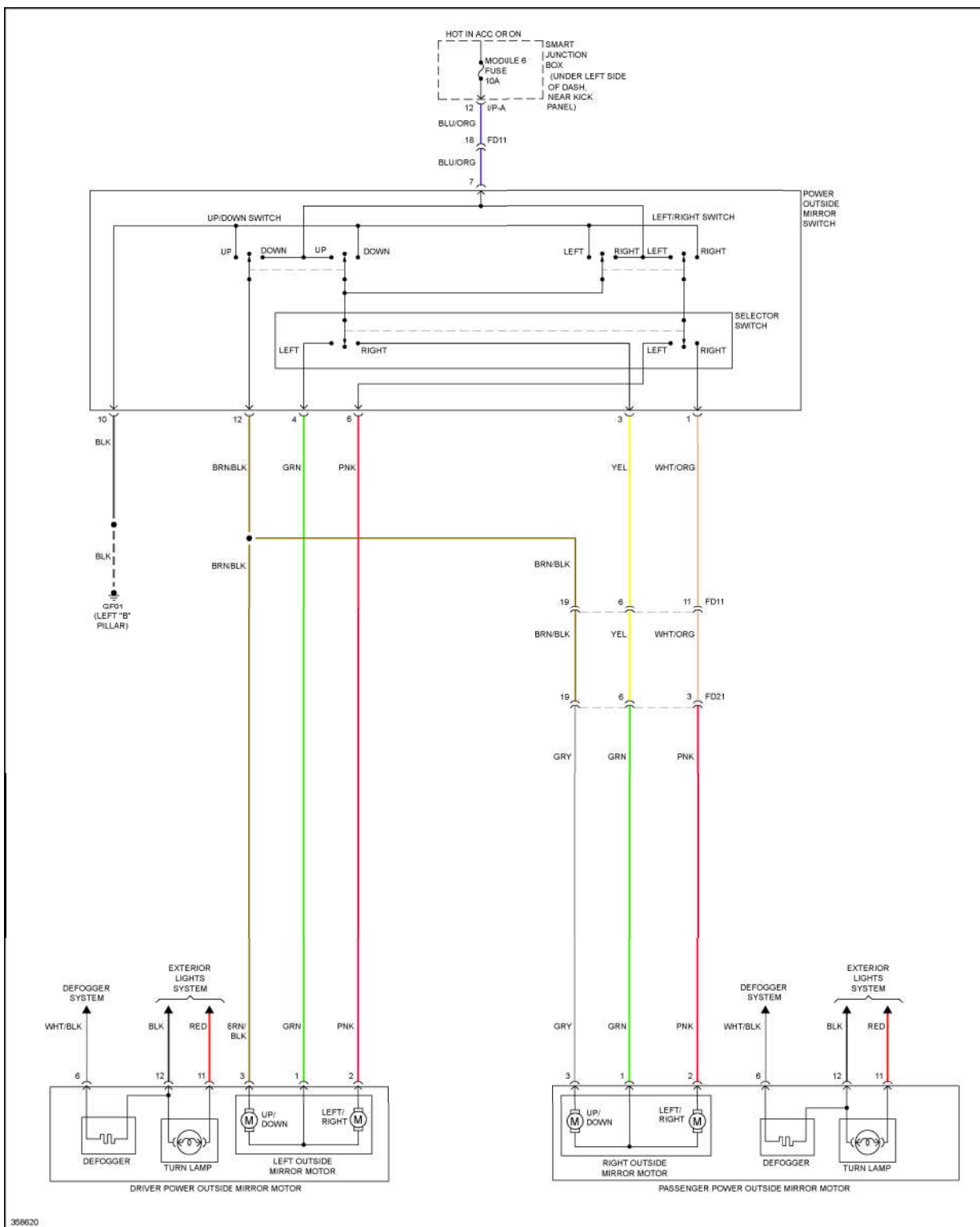


Fig. 55: Power Mirrors Circuit

POWER SEATS

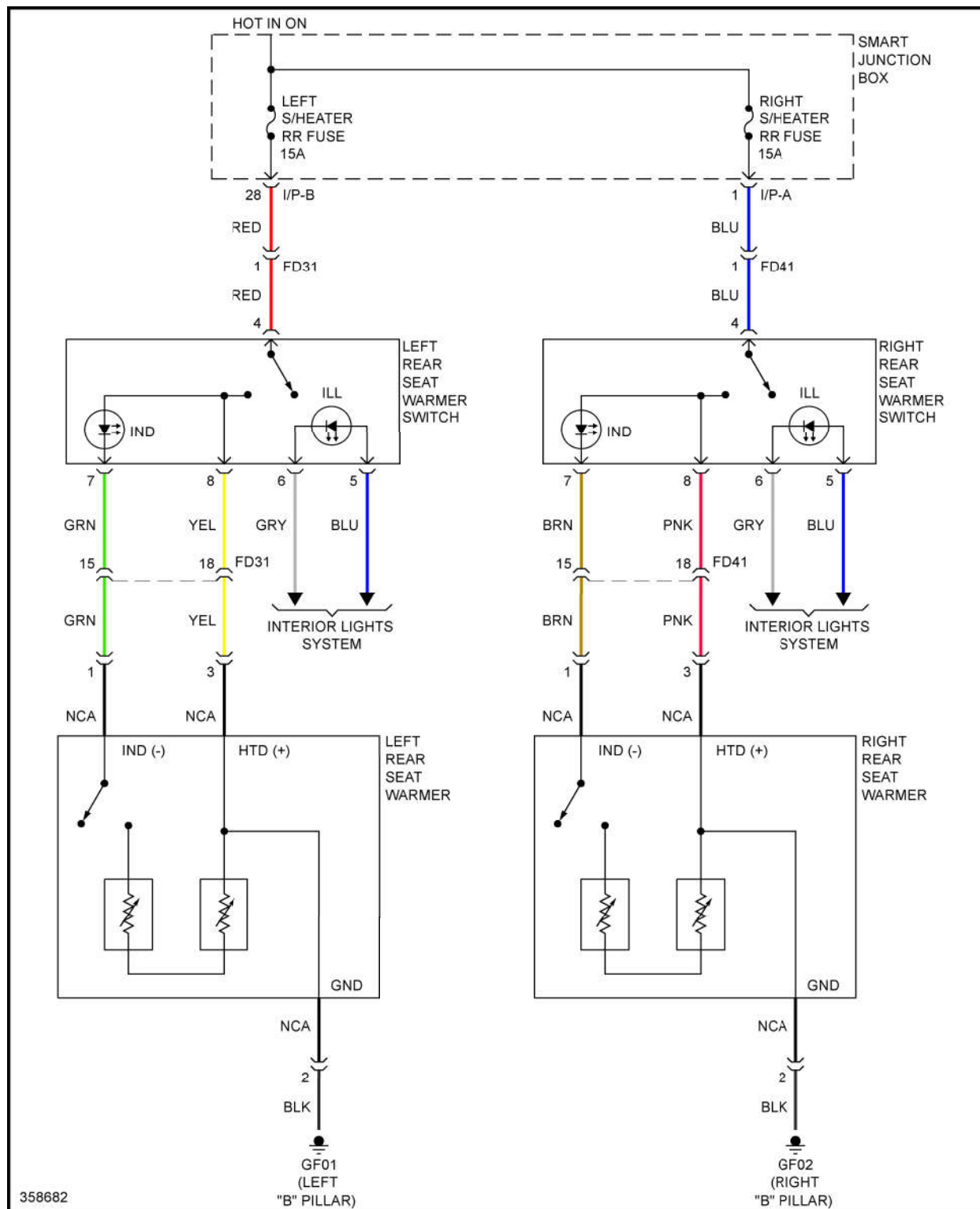


Fig. 56: Heated Seats Circuit, Rear Seat Warmer

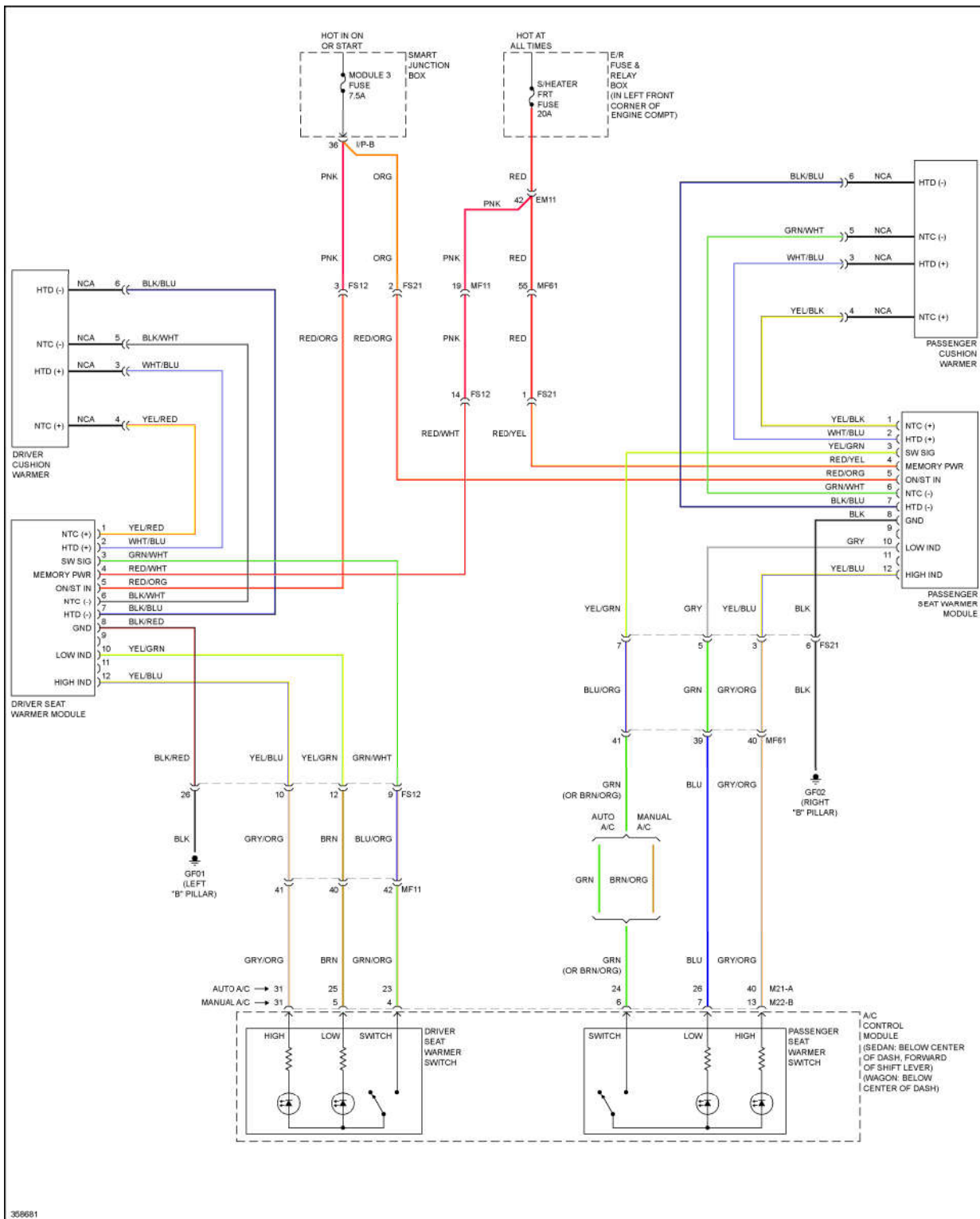


Fig. 57: Heated Seats Circuit, W/ Power Seats

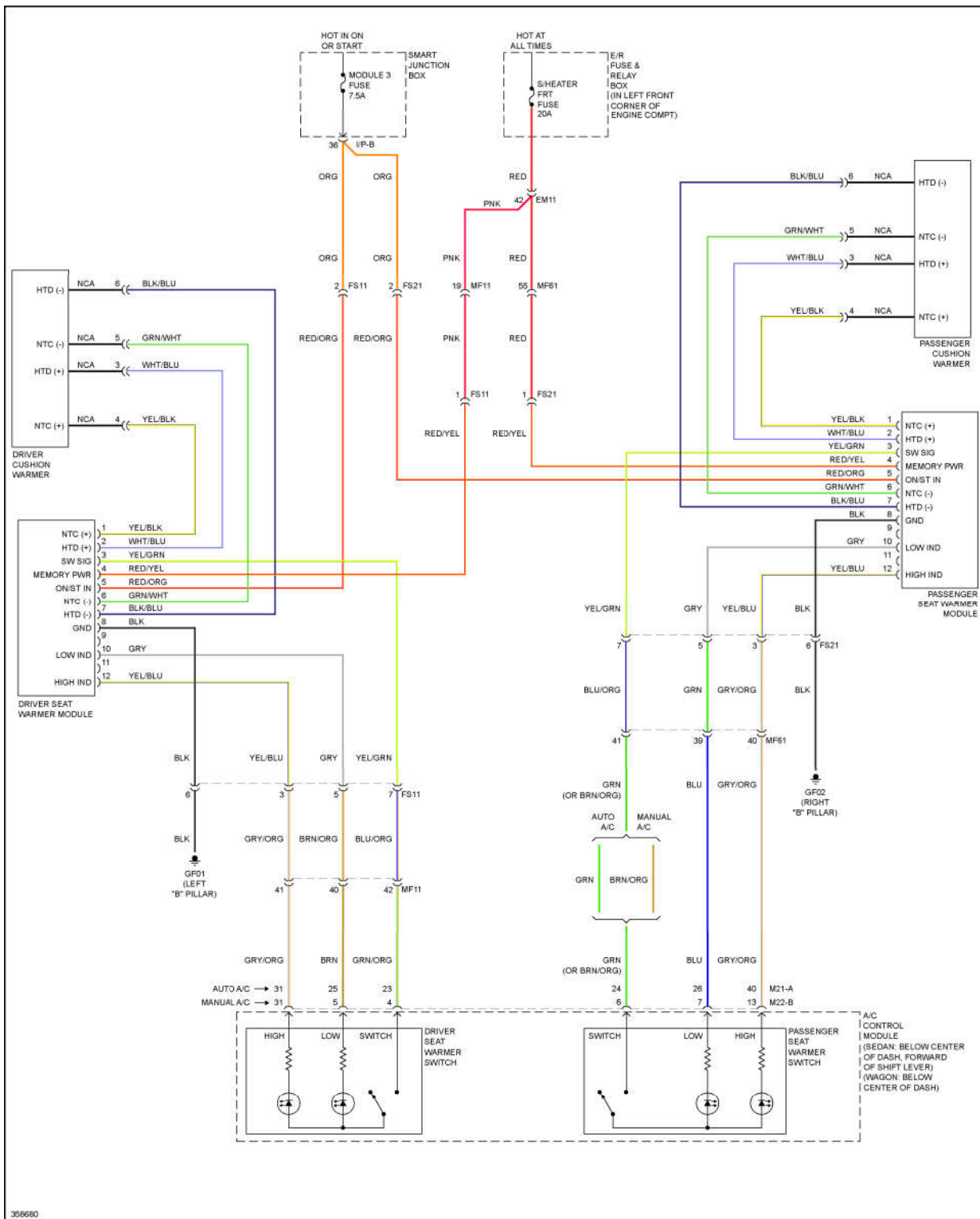


Fig. 58: Heated Seats Circuit, W/O Power Seats

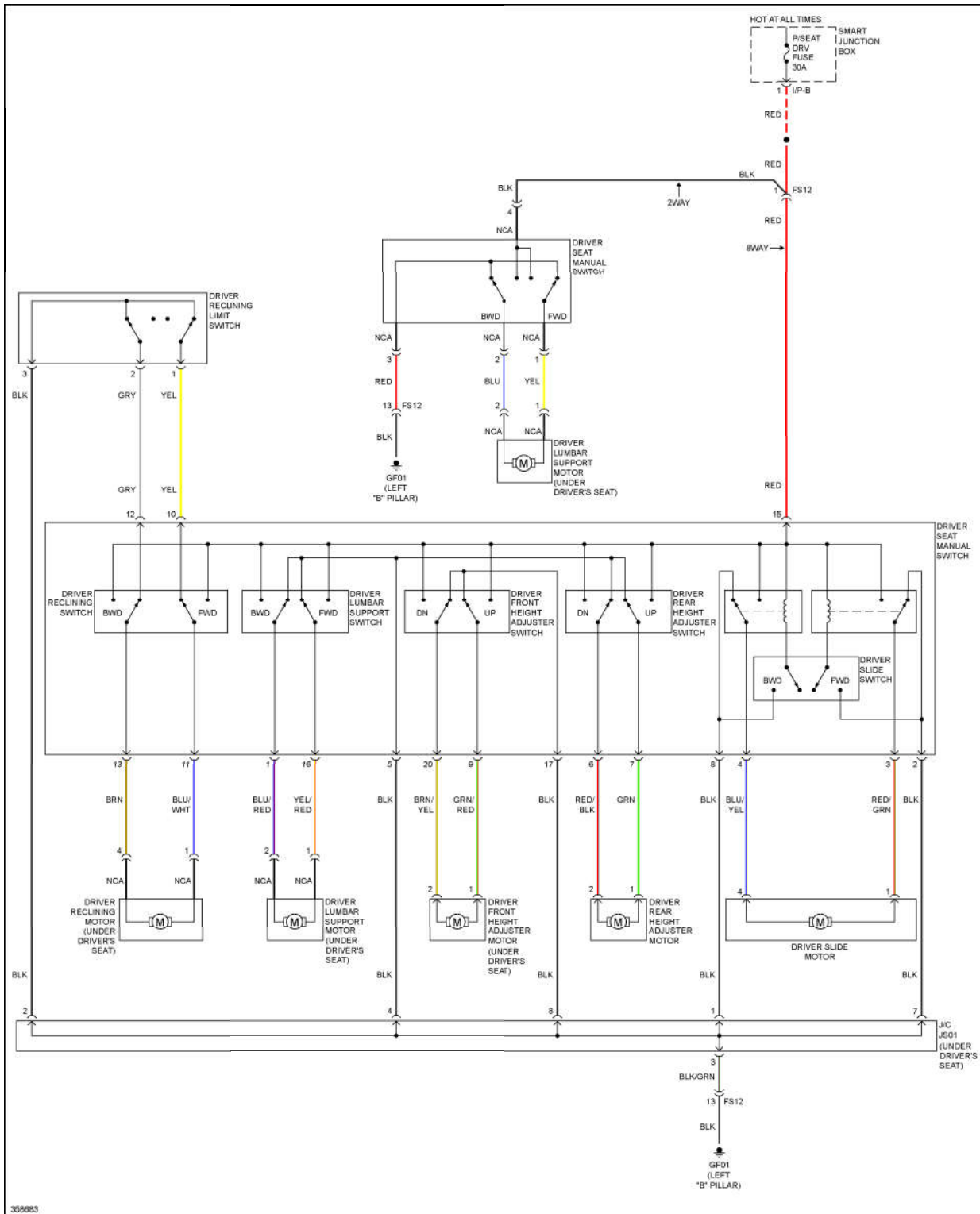


Fig. 59: Power Seats Circuit

POWER TOP/SUNROOF

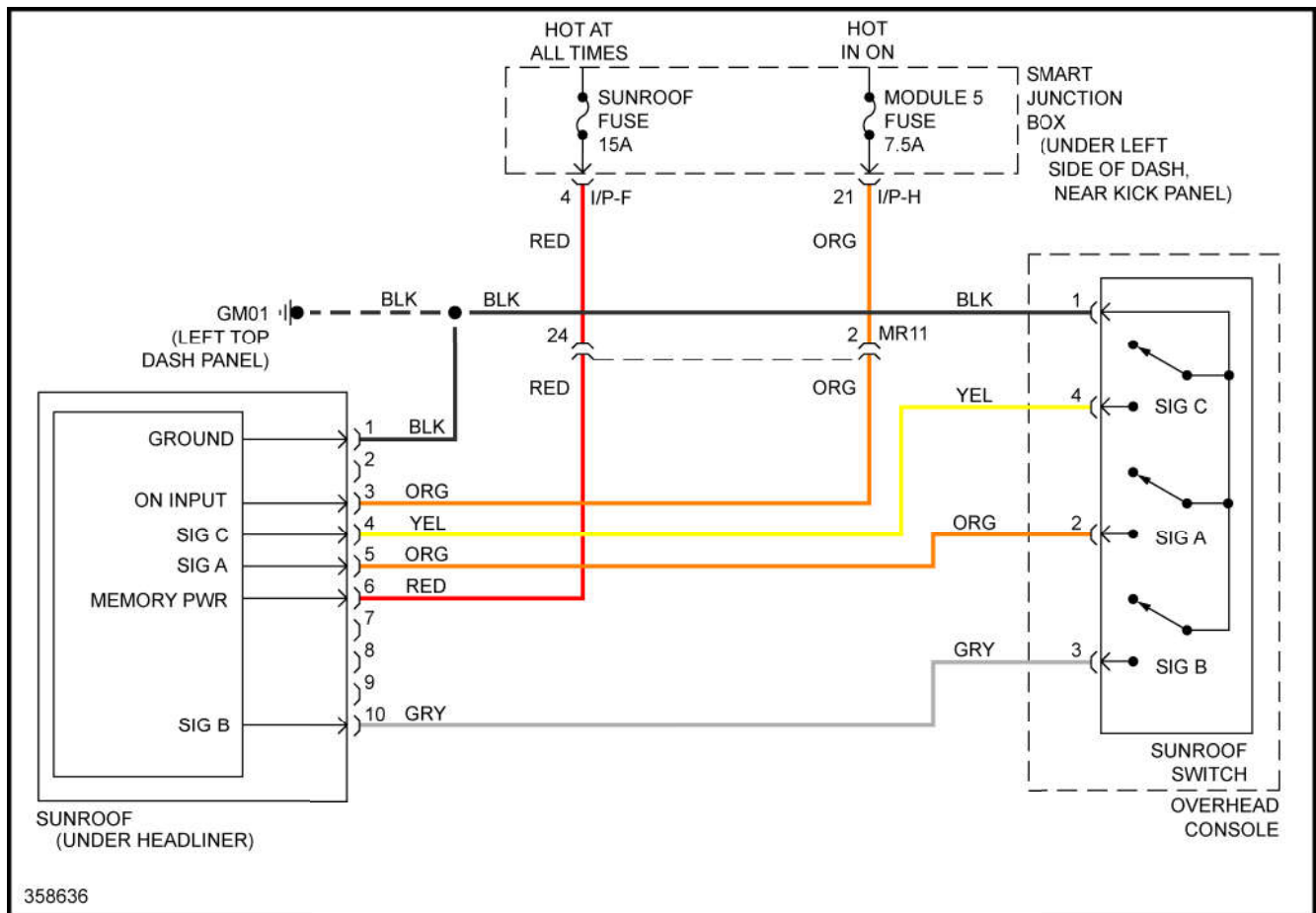


Fig. 60: Power Top/Sunroof Circuit

POWER WINDOWS

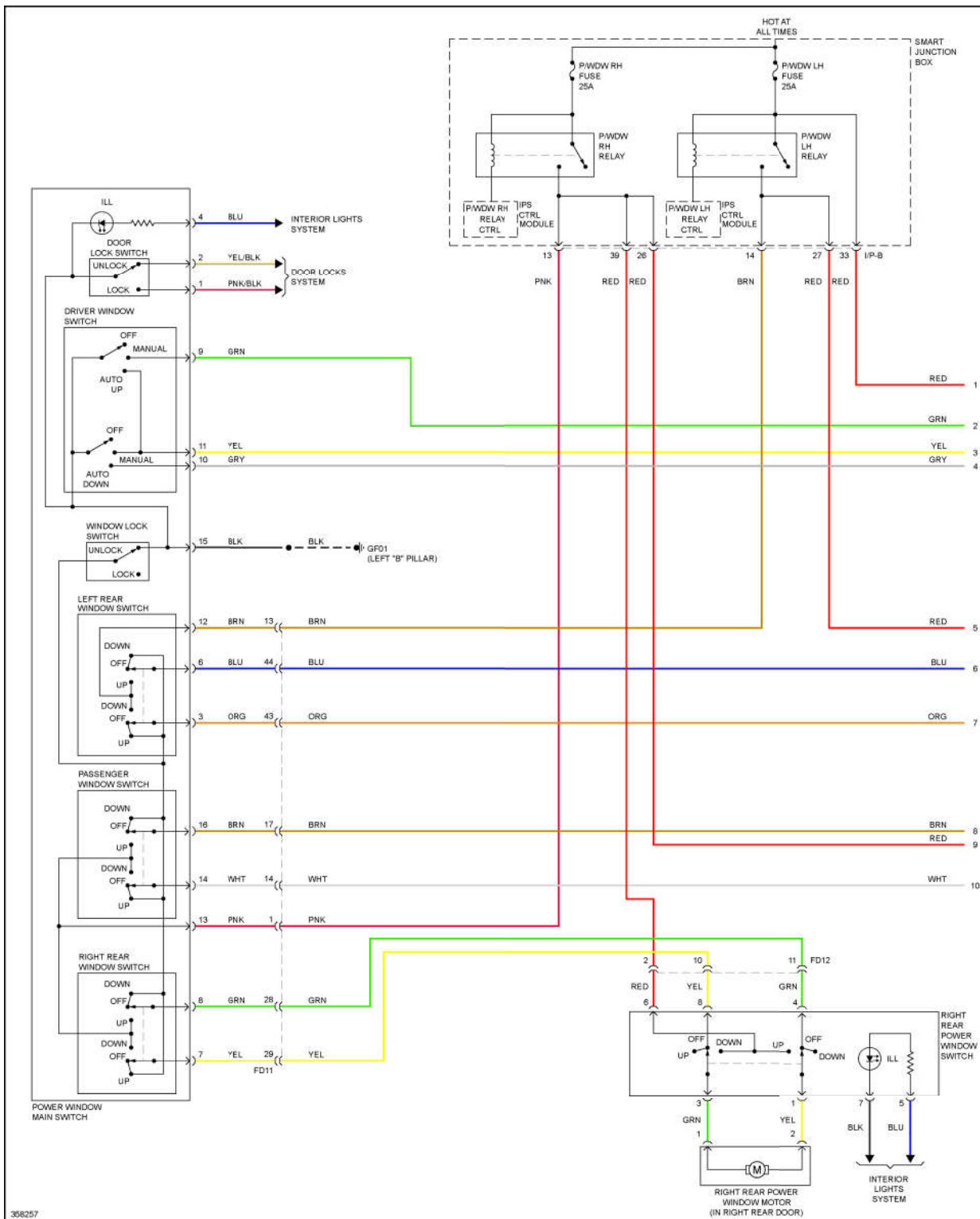


Fig. 61: Power Windows Circuit, W/ Safety Power Windows W/ Central Door Locks (1 of 2)

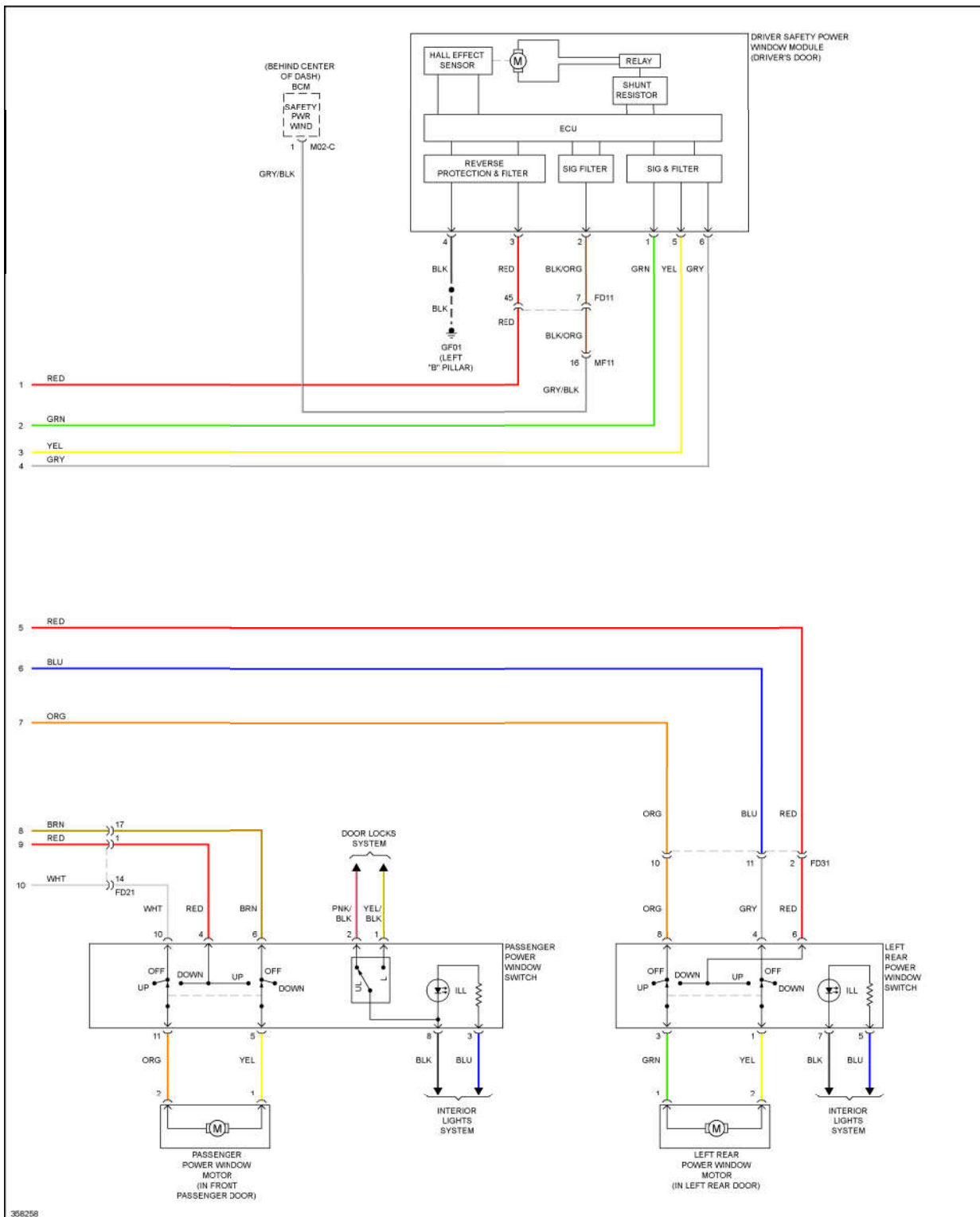


Fig. 62: Power Windows Circuit, W/ Safety Power Windows W/ Central Door Locks (2 of 2)

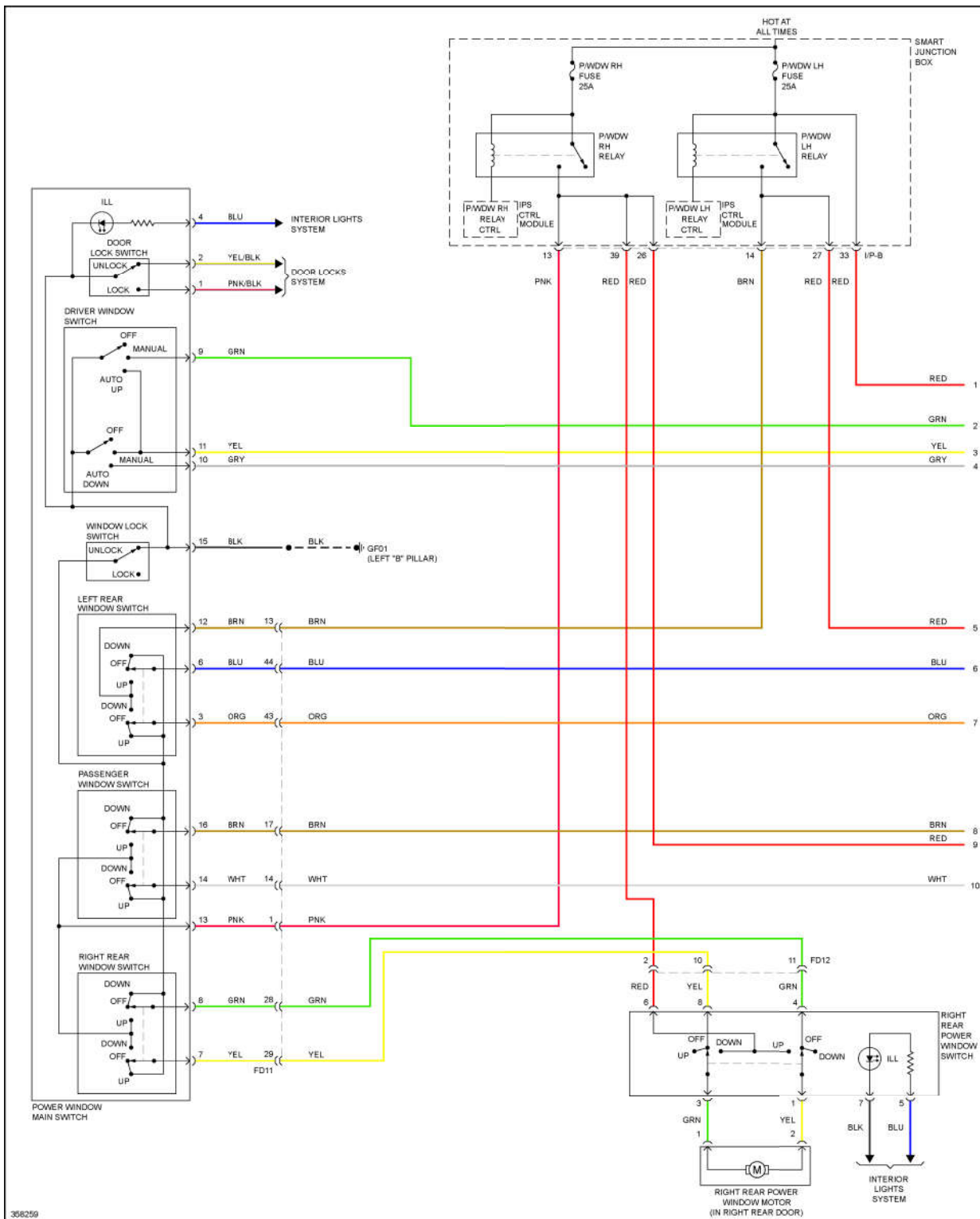


Fig. 63: Power Windows Circuit, W/ Safety Power Windows W/O Central Door Locks (1 of 2)

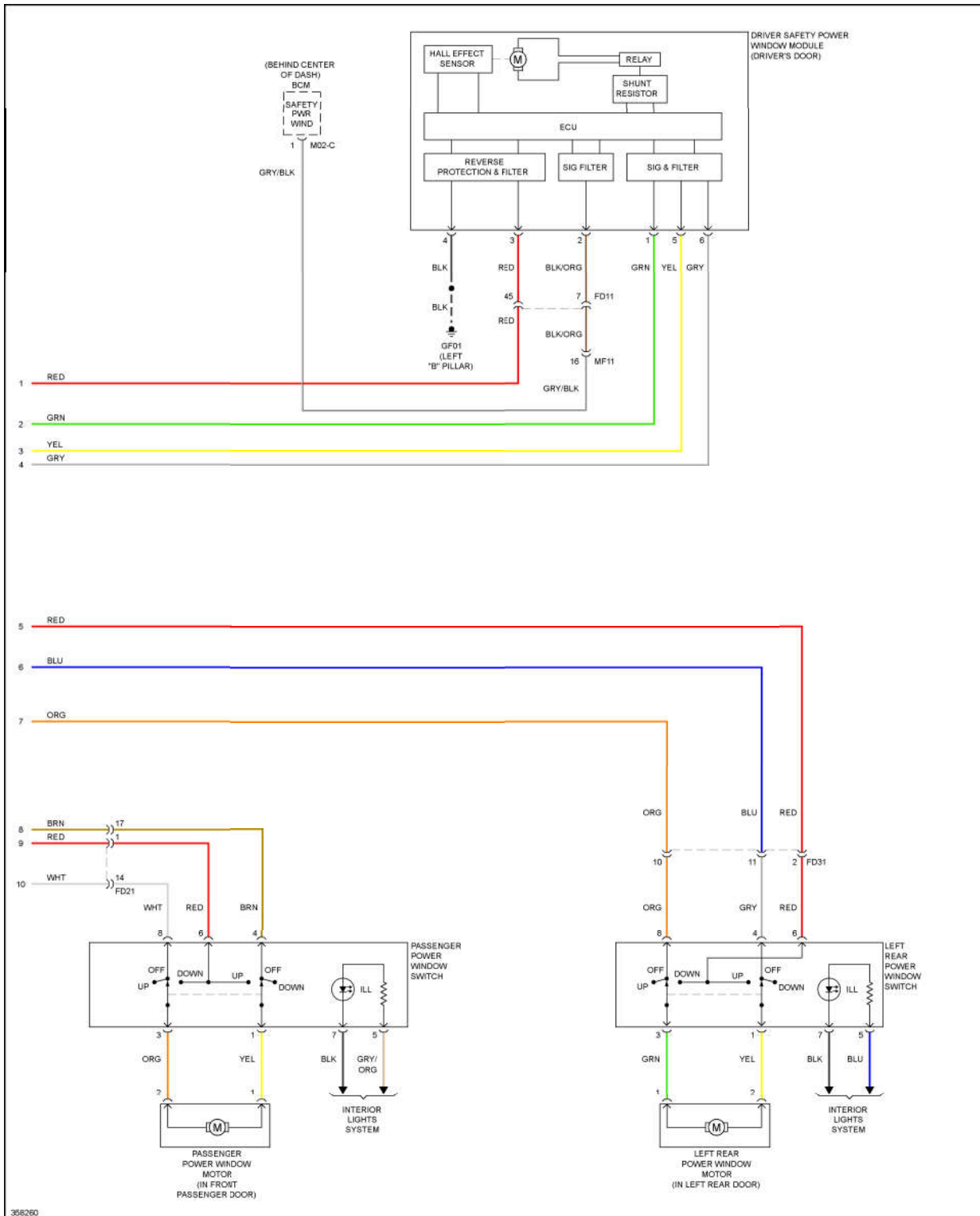


Fig. 64: Power Windows Circuit, W/ Safety Power Windows W/O Central Door Locks (2 of 2)

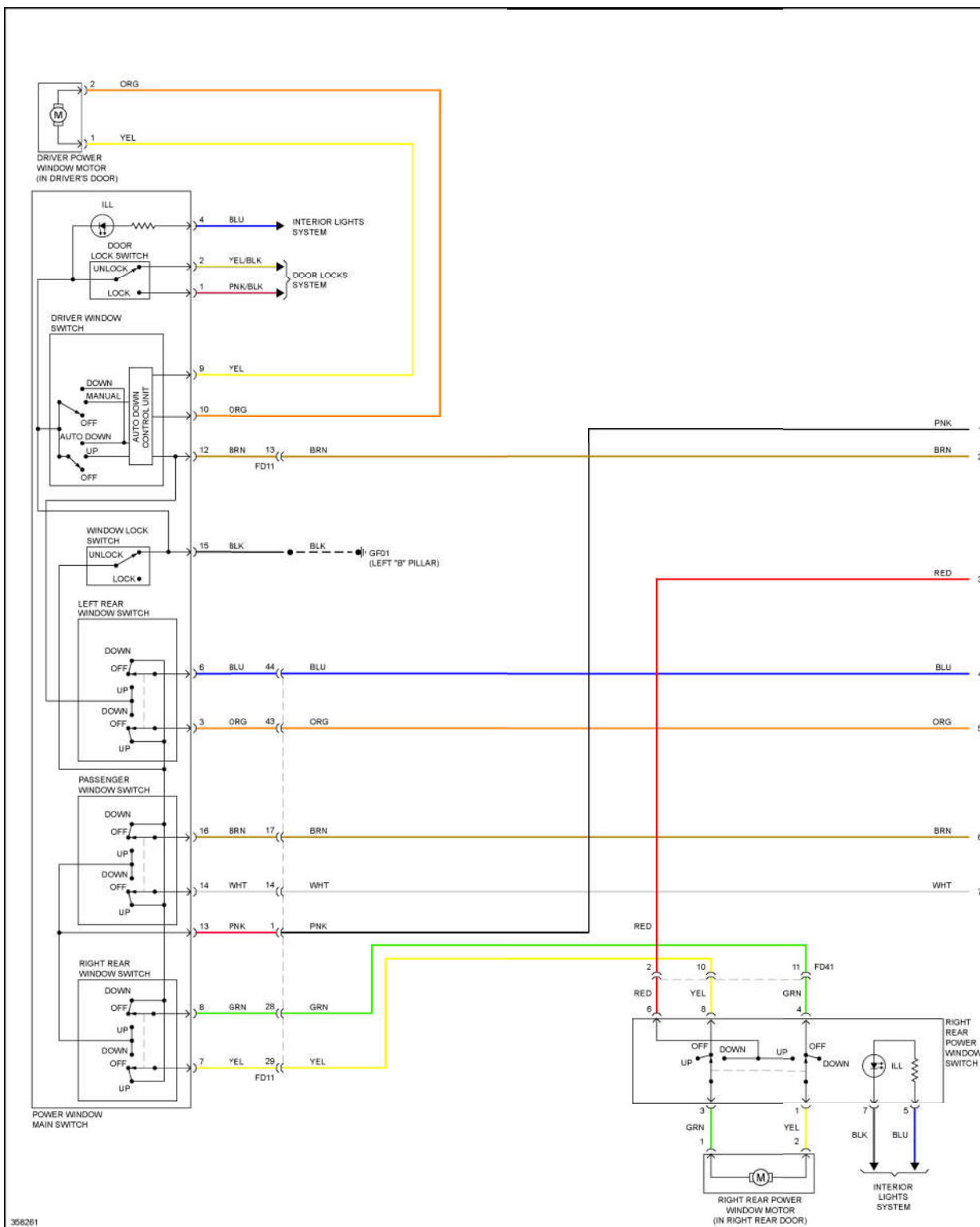


Fig. 65: Power Windows Circuit, W/O Safety Power Windows W/ Central Door Locks (1 of 2)

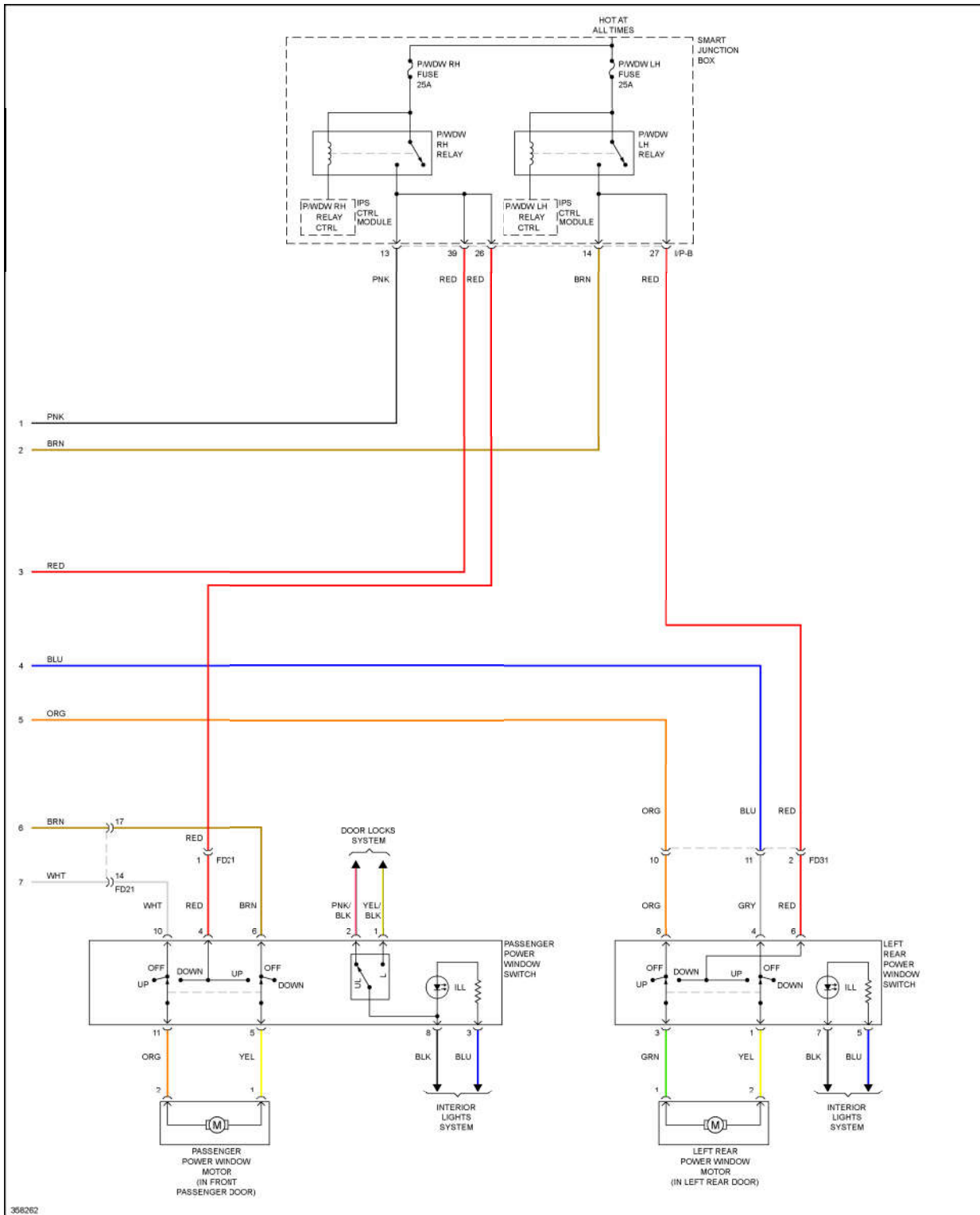


Fig. 66: Power Windows Circuit, W/O Safety Power Windows W/ Central Door Locks (2 of 2)

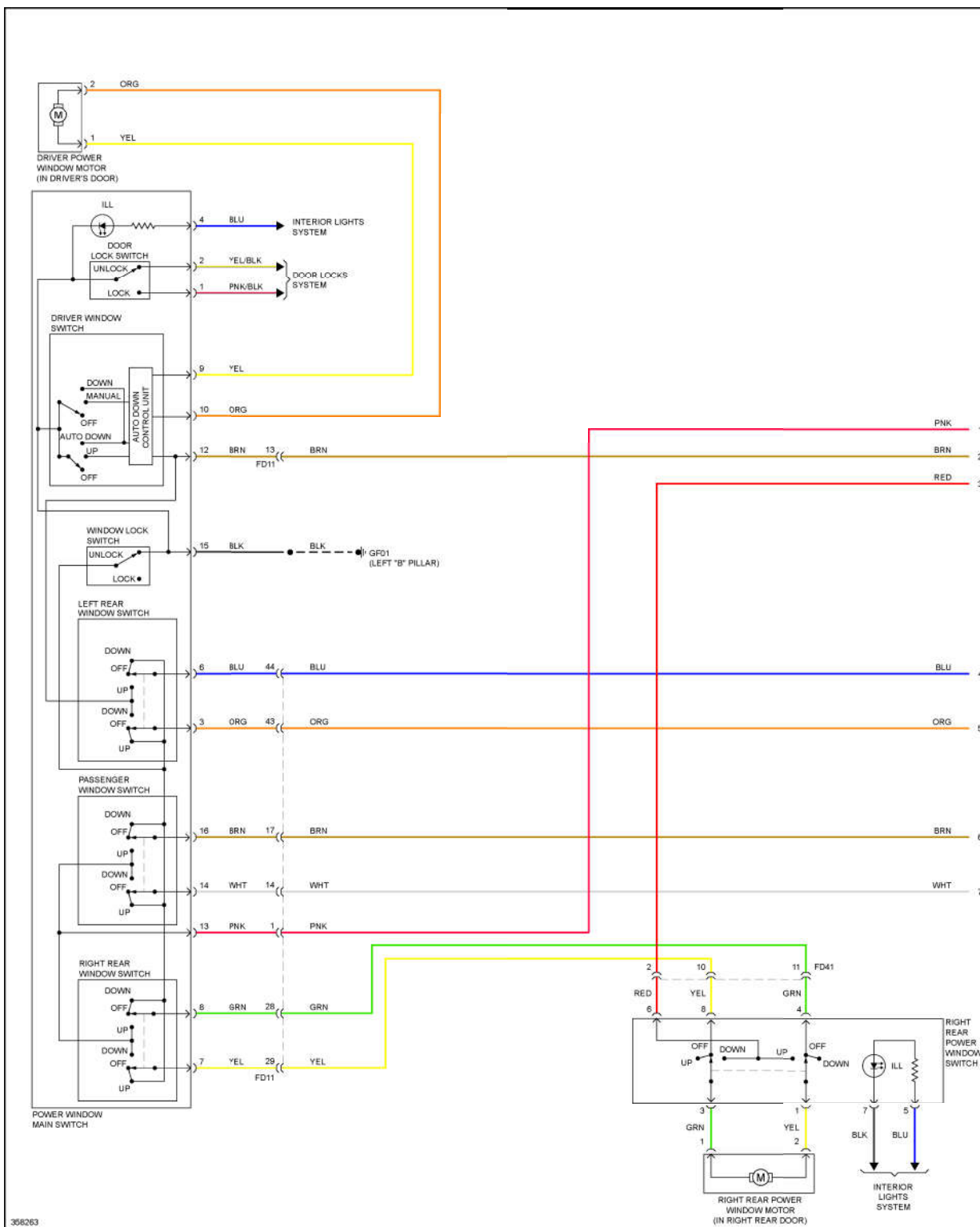


Fig. 67: Power Windows Circuit, W/O Safety Power Windows W/O Central Door Locks (1 of 2)

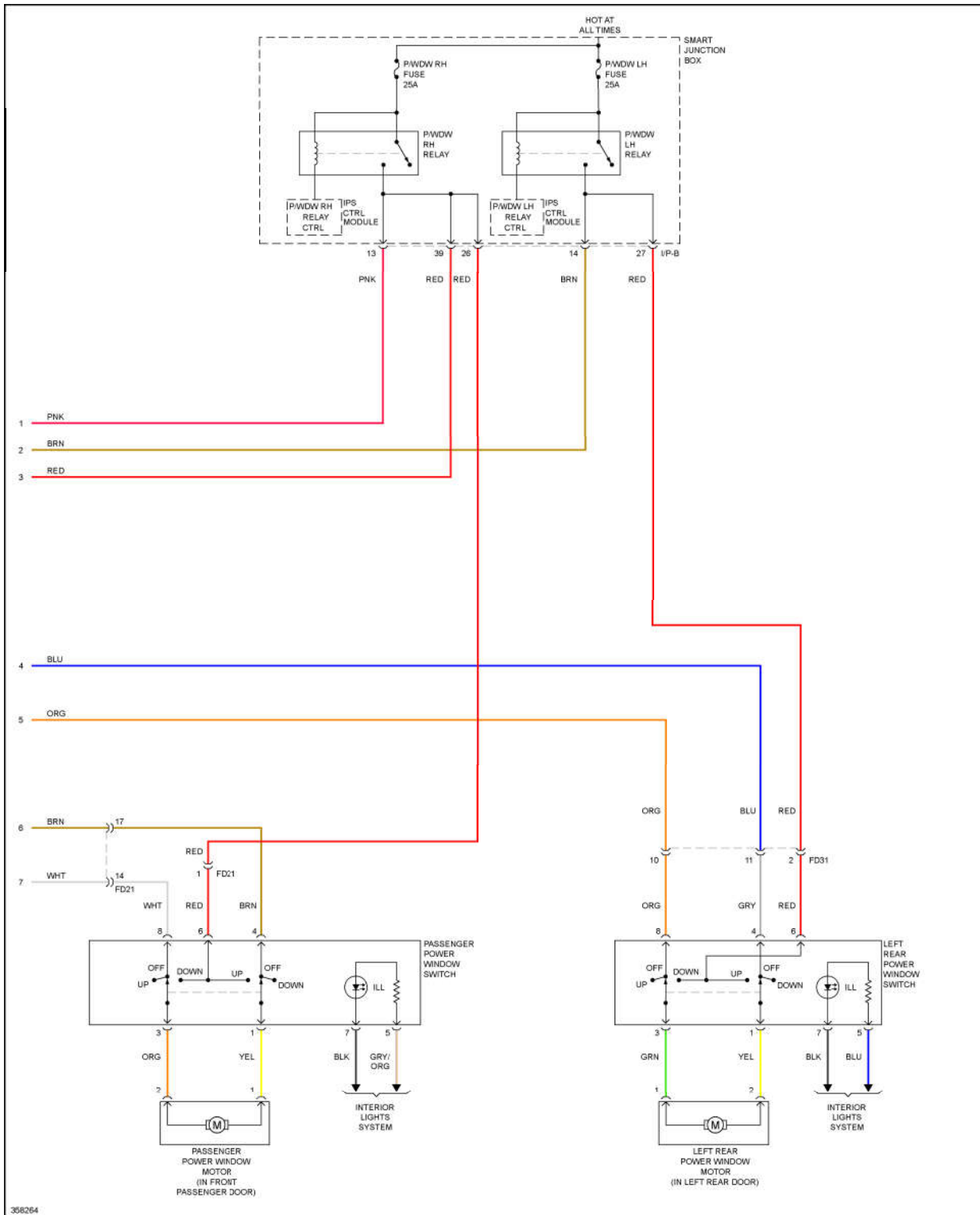


Fig. 68: Power Windows Circuit, W/O Safety Power Windows W/O Central Door Locks (2 of 2)

RADIO

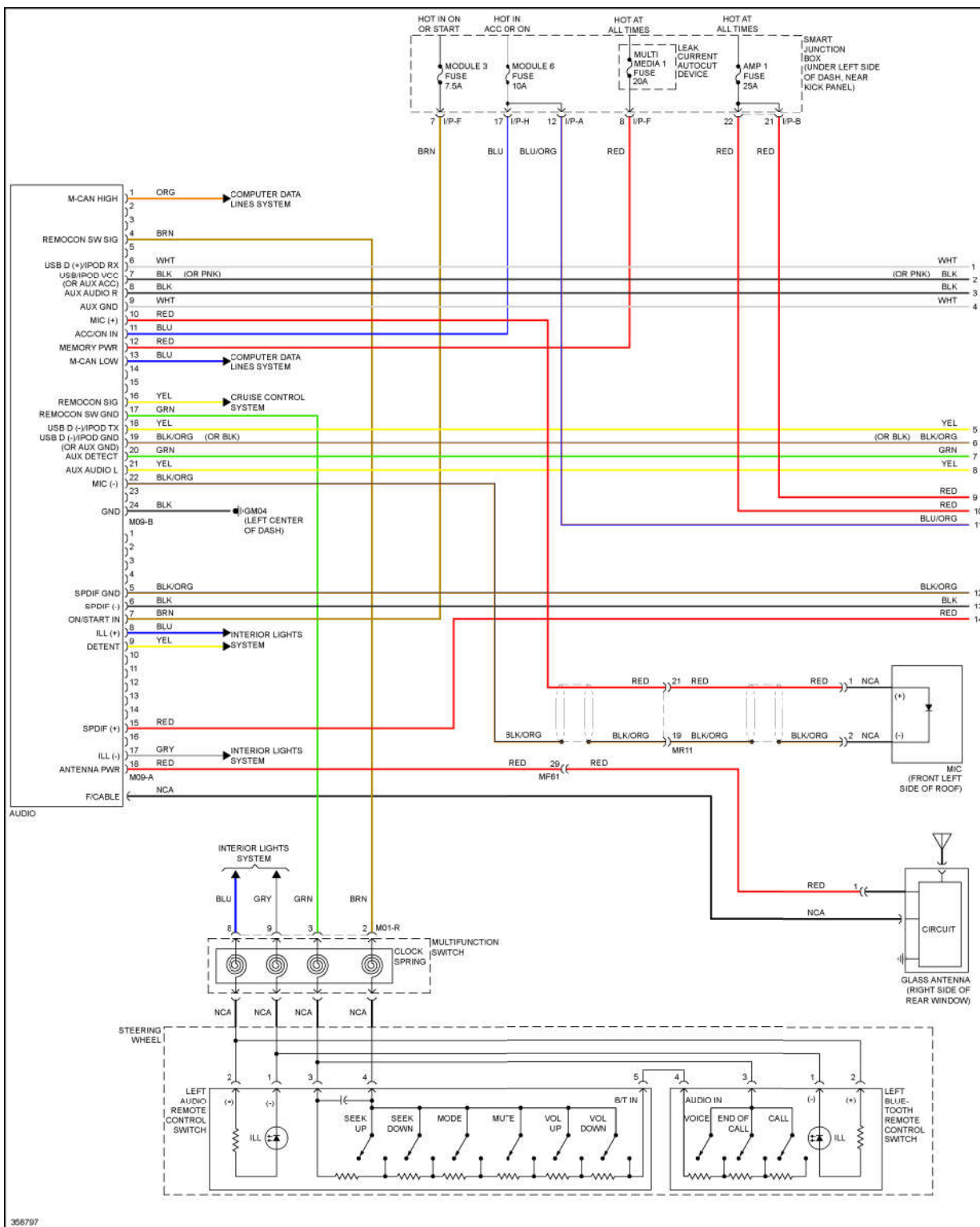


Fig. 69: Radio Circuit, W/ Amplifier (1 of 2)

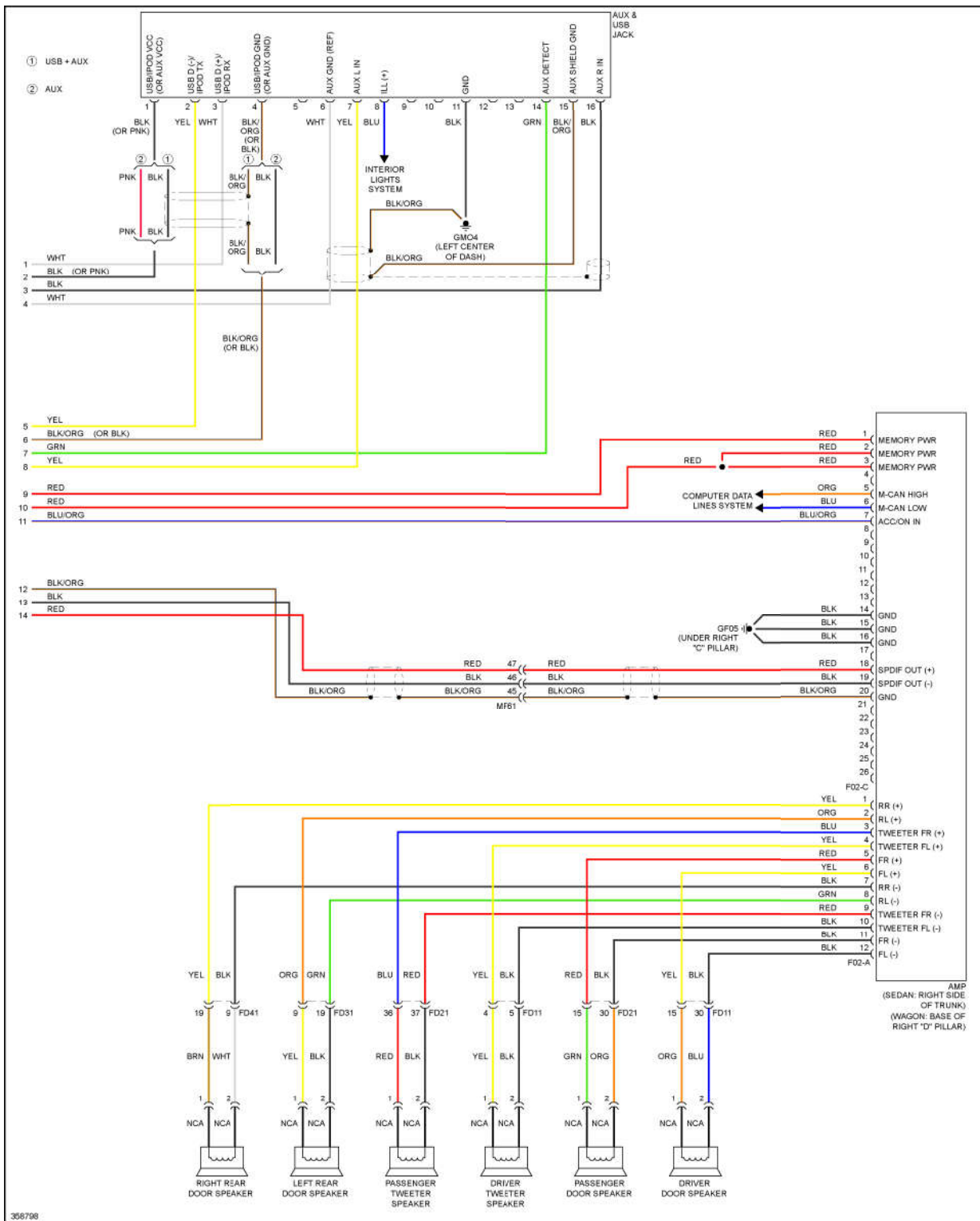


Fig. 70: Radio Circuit, W/ Amplifier (2 of 2)

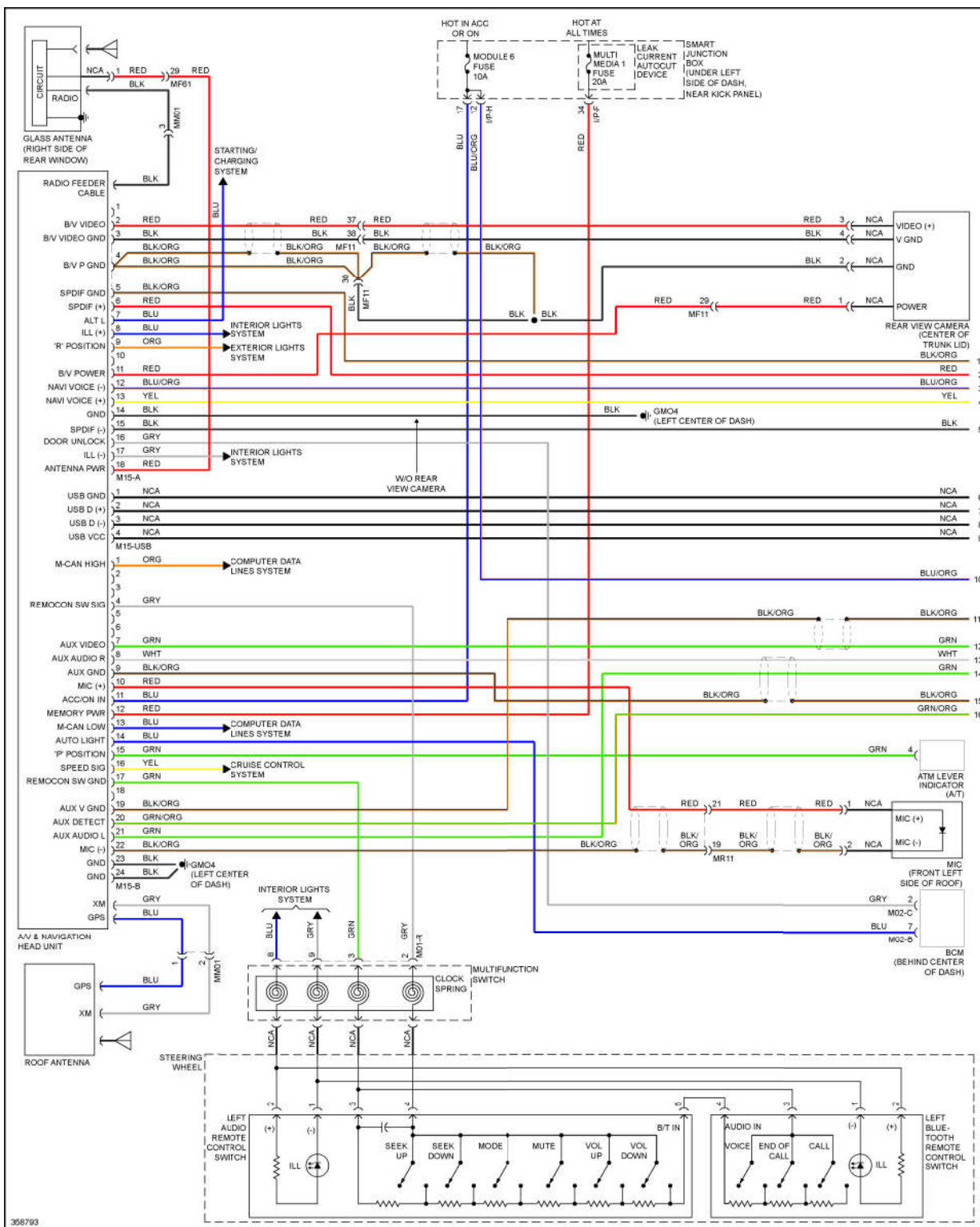


Fig. 71: Radio Circuit, W/ Navigation (1 of 2)

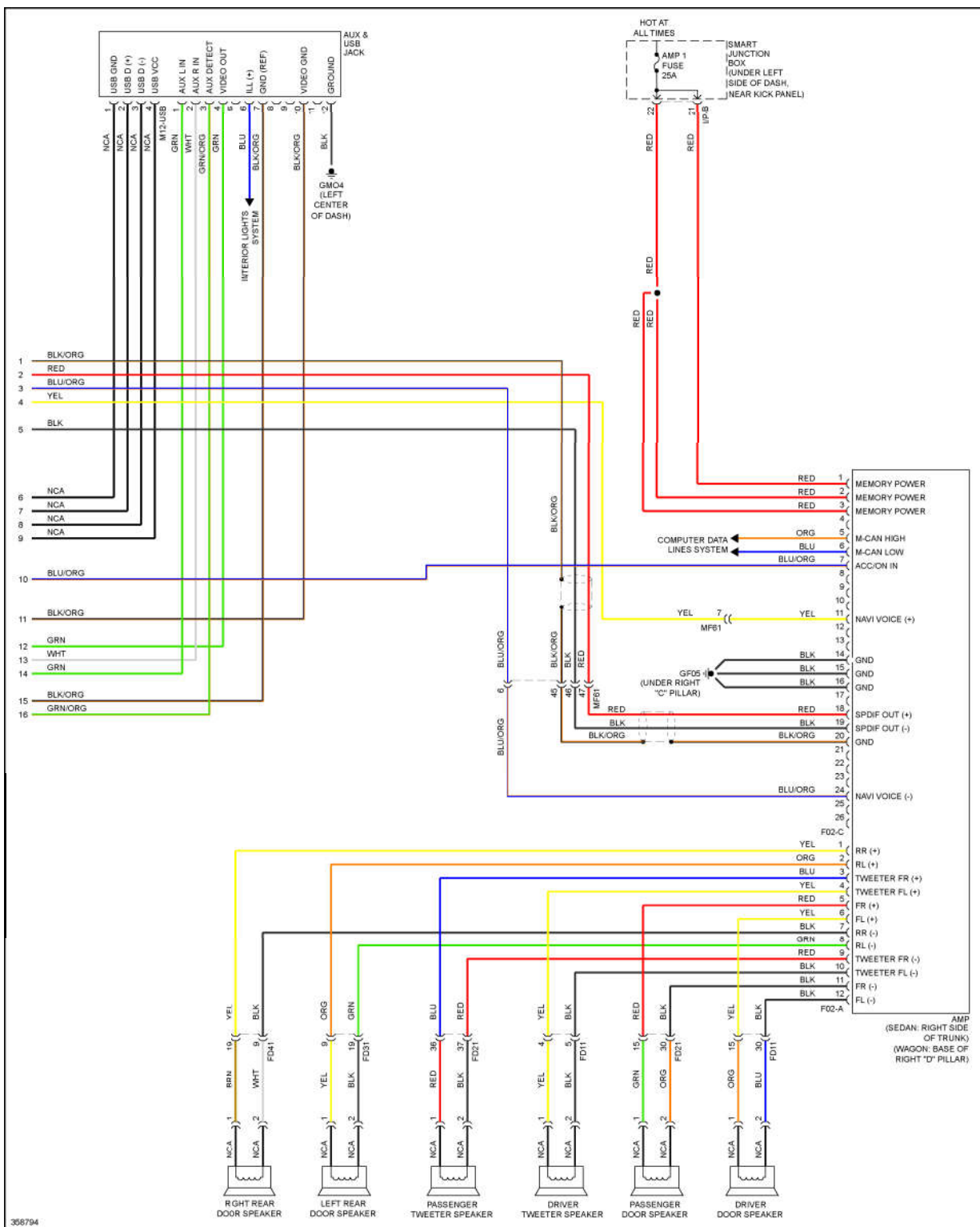


Fig. 72: Radio Circuit, W/ Navigation (2 of 2)

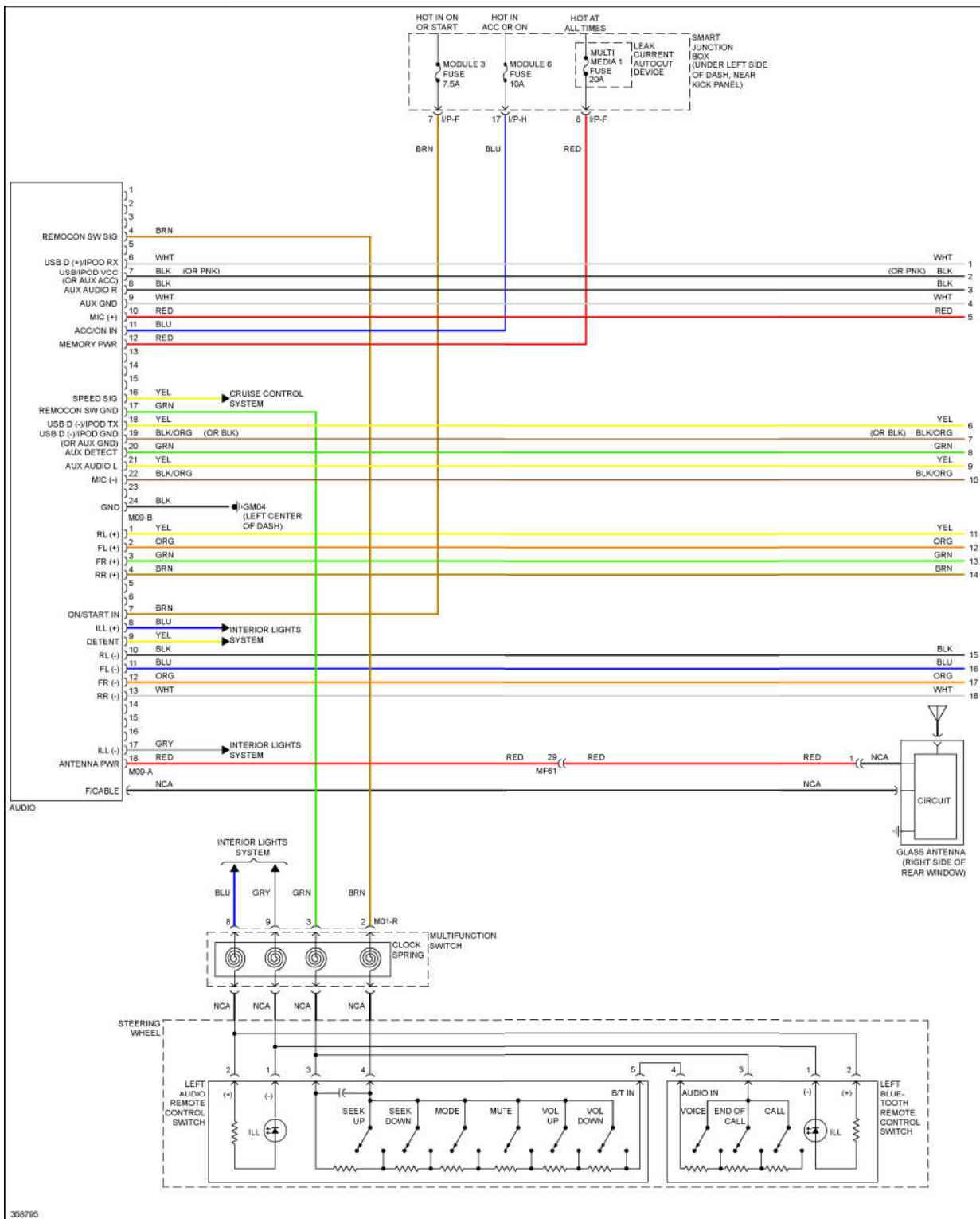


Fig. 73: Radio Circuit, W/O Amplifier (1 of 2)

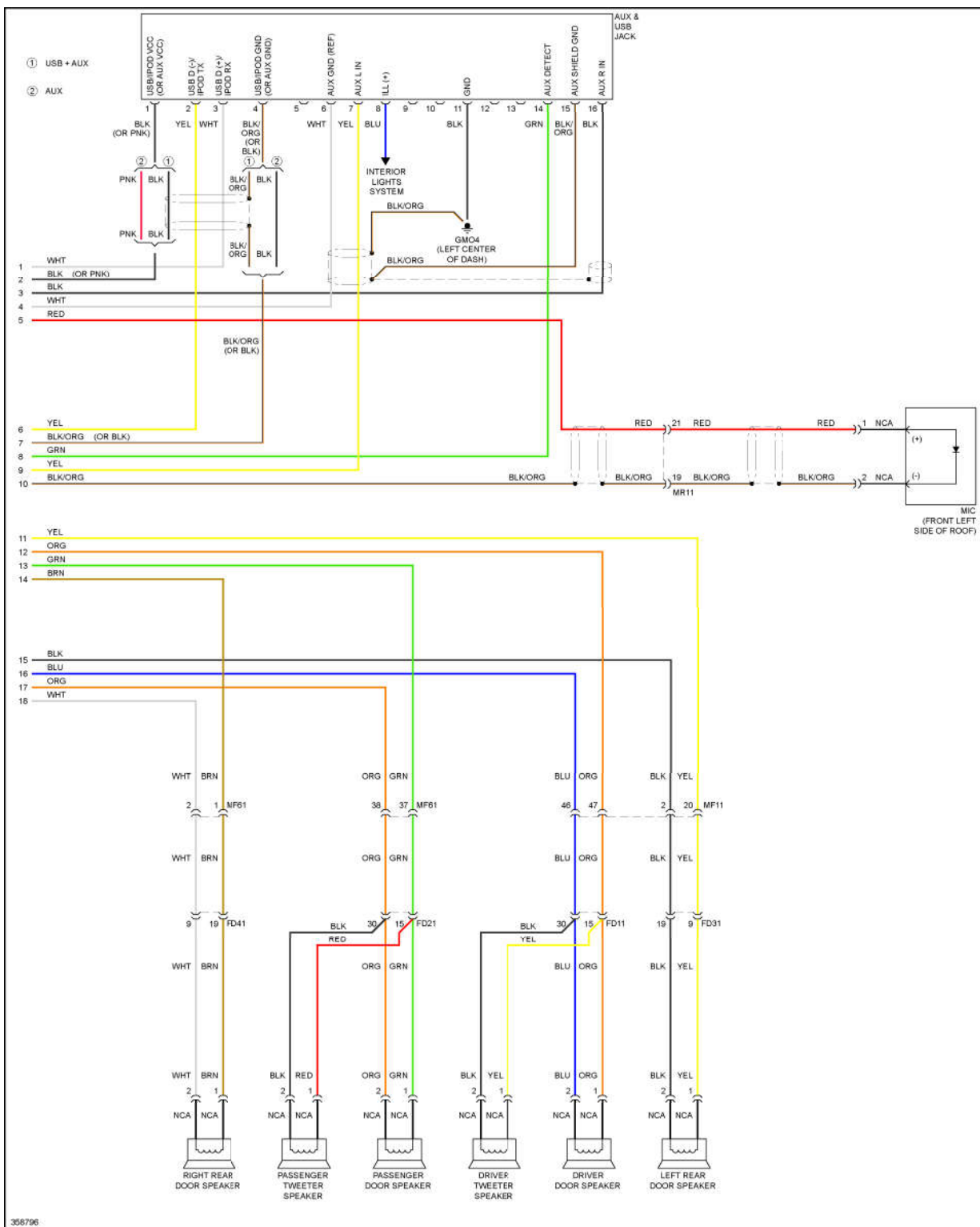


Fig. 74: Radio Circuit, W/O Amplifier (2 of 2)

SHIFT INTERLOCK

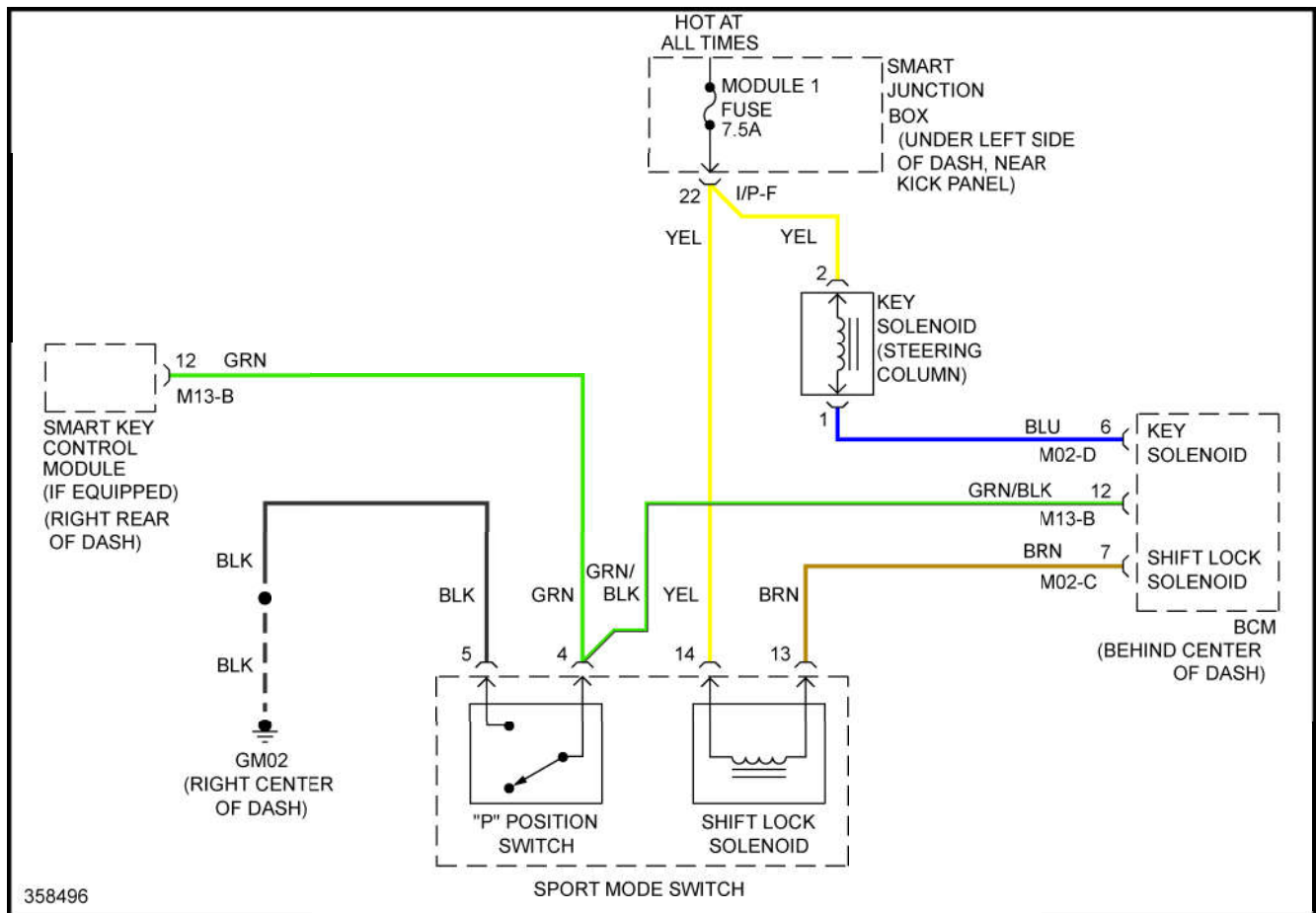


Fig. 75: Shift Interlock Circuit

STARTING/CHARGING

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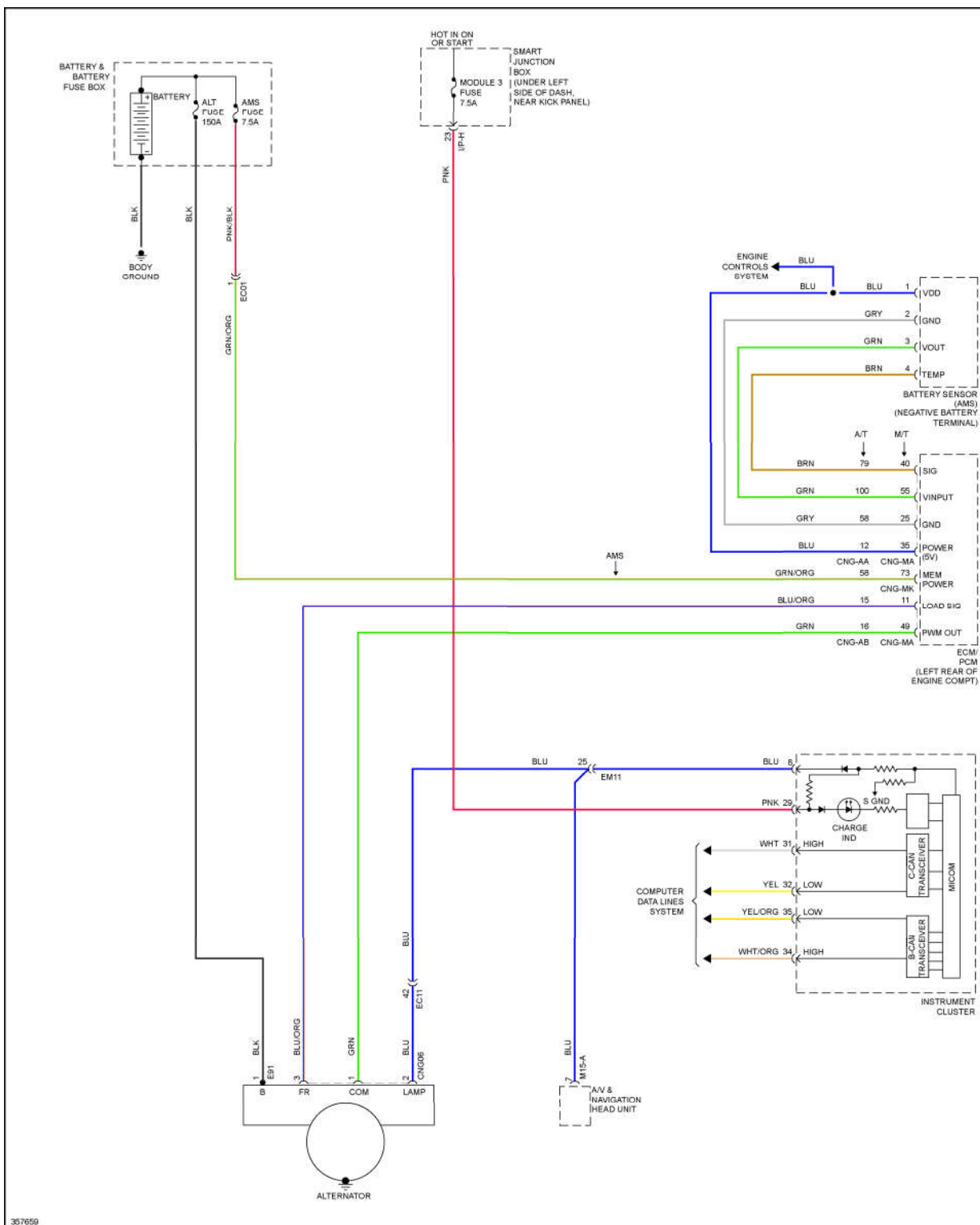


Fig. 76: Charging Circuit

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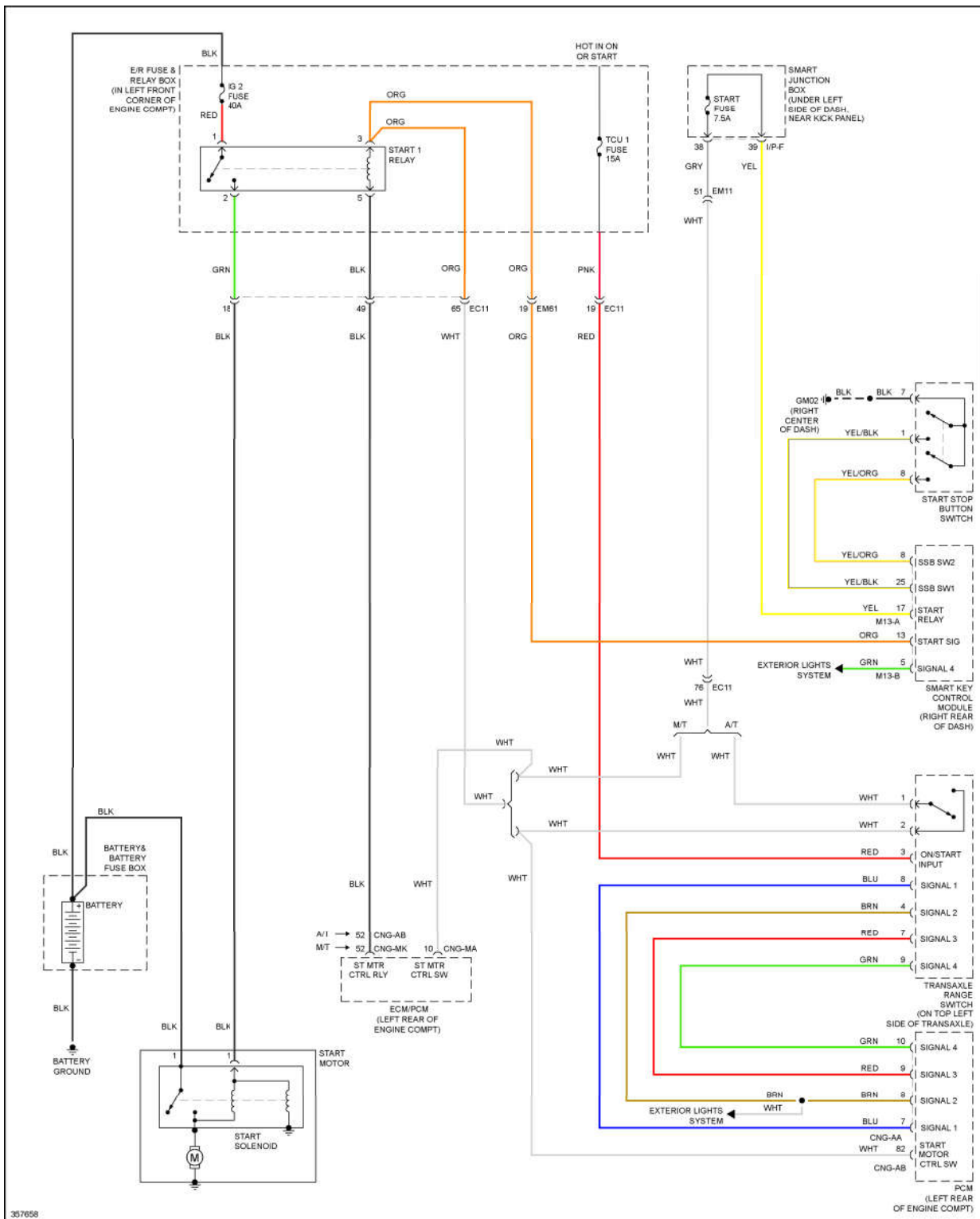


Fig. 77: Starting Circuit, W/ Smart Key & IMMO

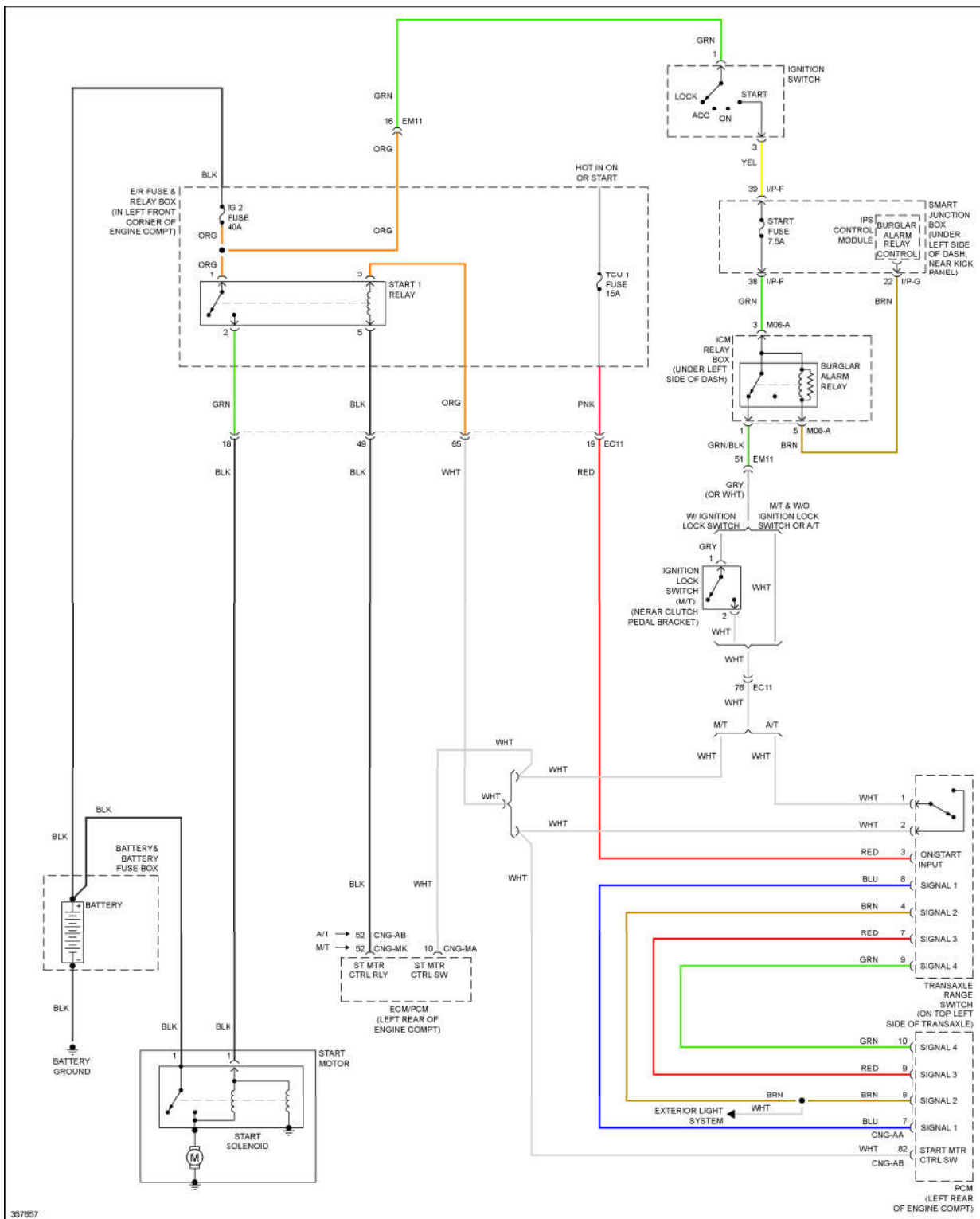


Fig. 78: Starting Circuit, W/O Smart Key & IMMO

SUPPLEMENTAL RESTRAINTS

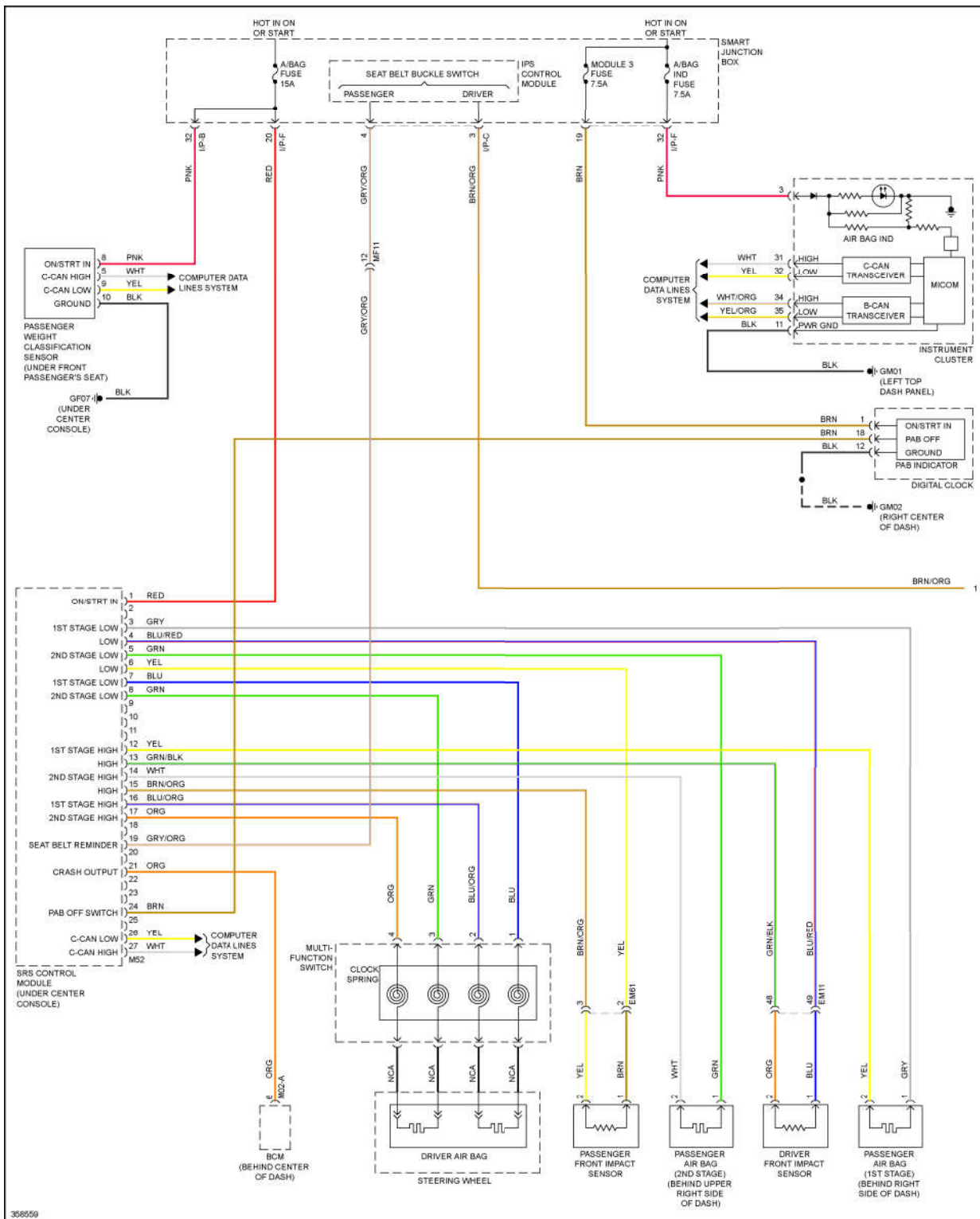


Fig. 79: Supplemental Restraints Circuit (1 of 2)

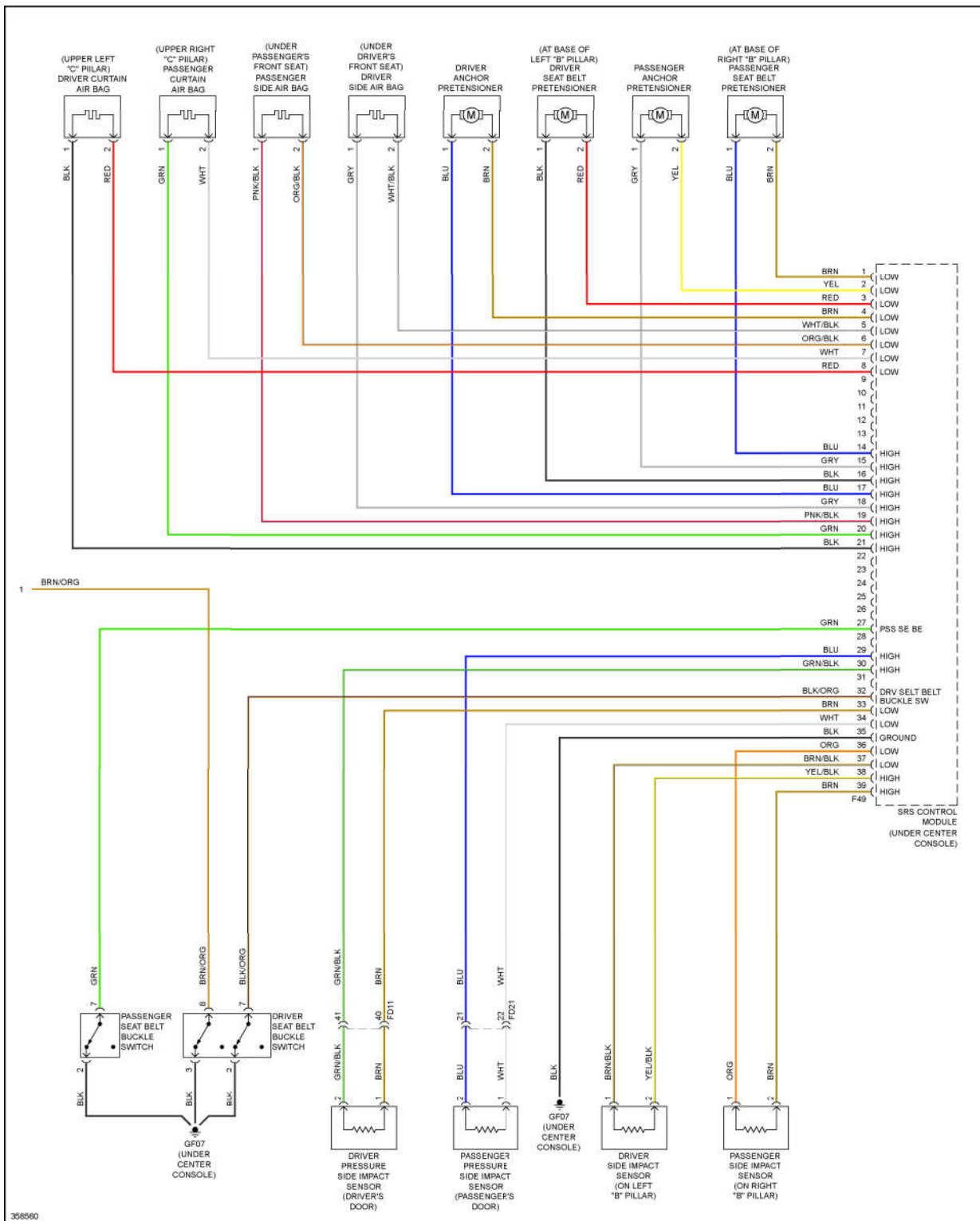


Fig. 80: Supplemental Restraints Circuit (2 of 2)

TRANSMISSION

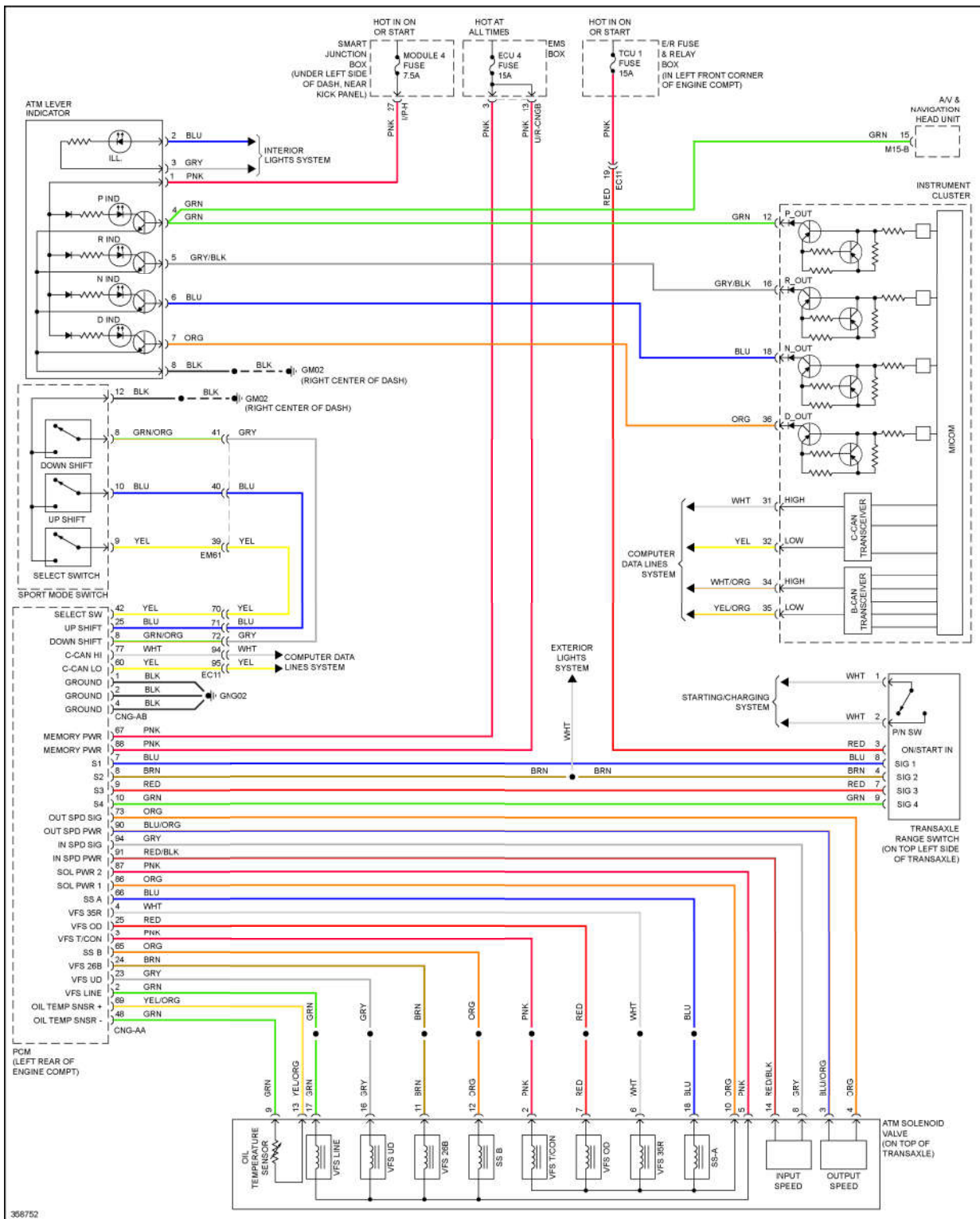


Fig. 81: Transmission Circuit

TRUNK, TAILGATE, FUEL DOOR

WARNING SYSTEMS

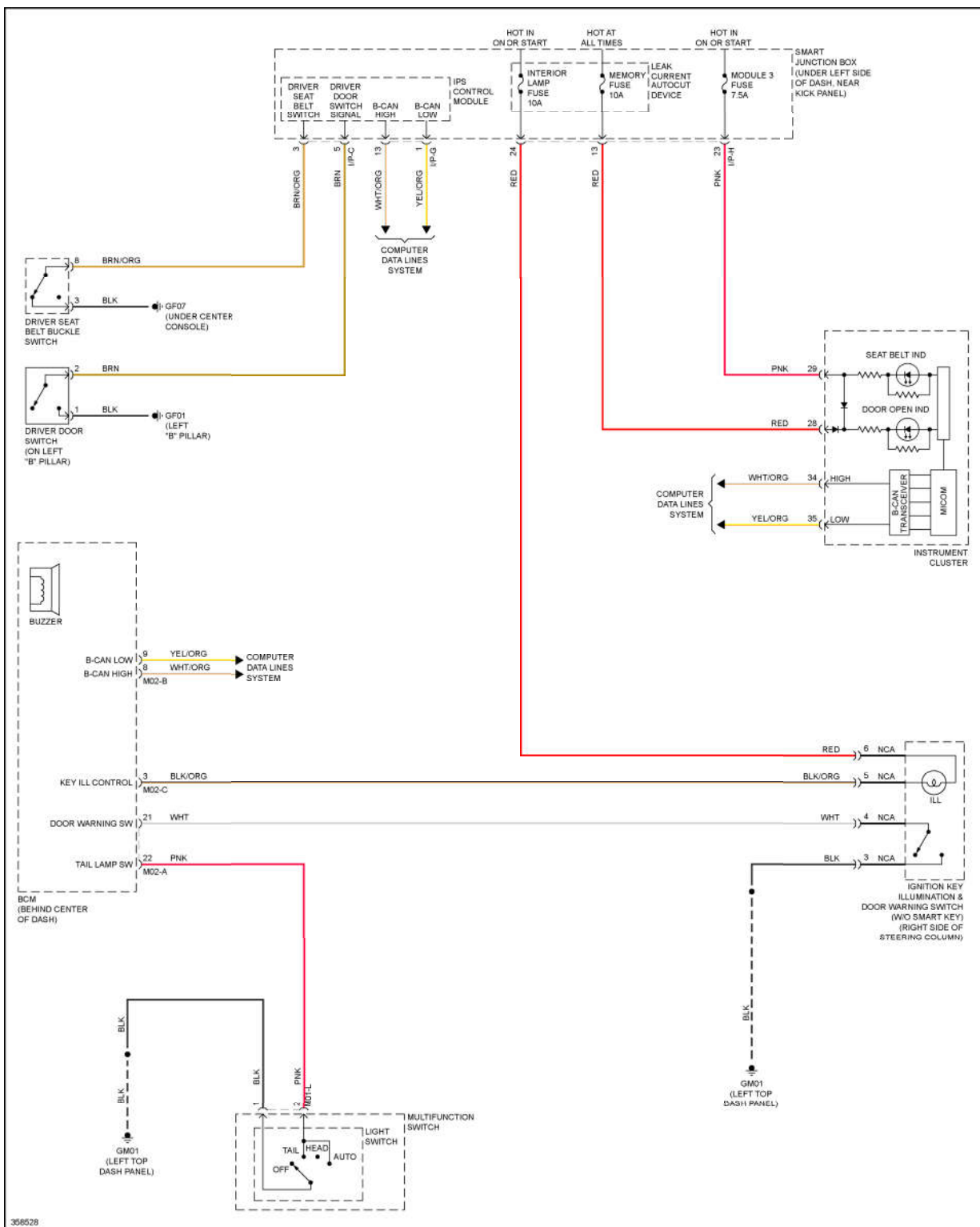


Fig. 83: Chime Circuit

WIPER/WASHER

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