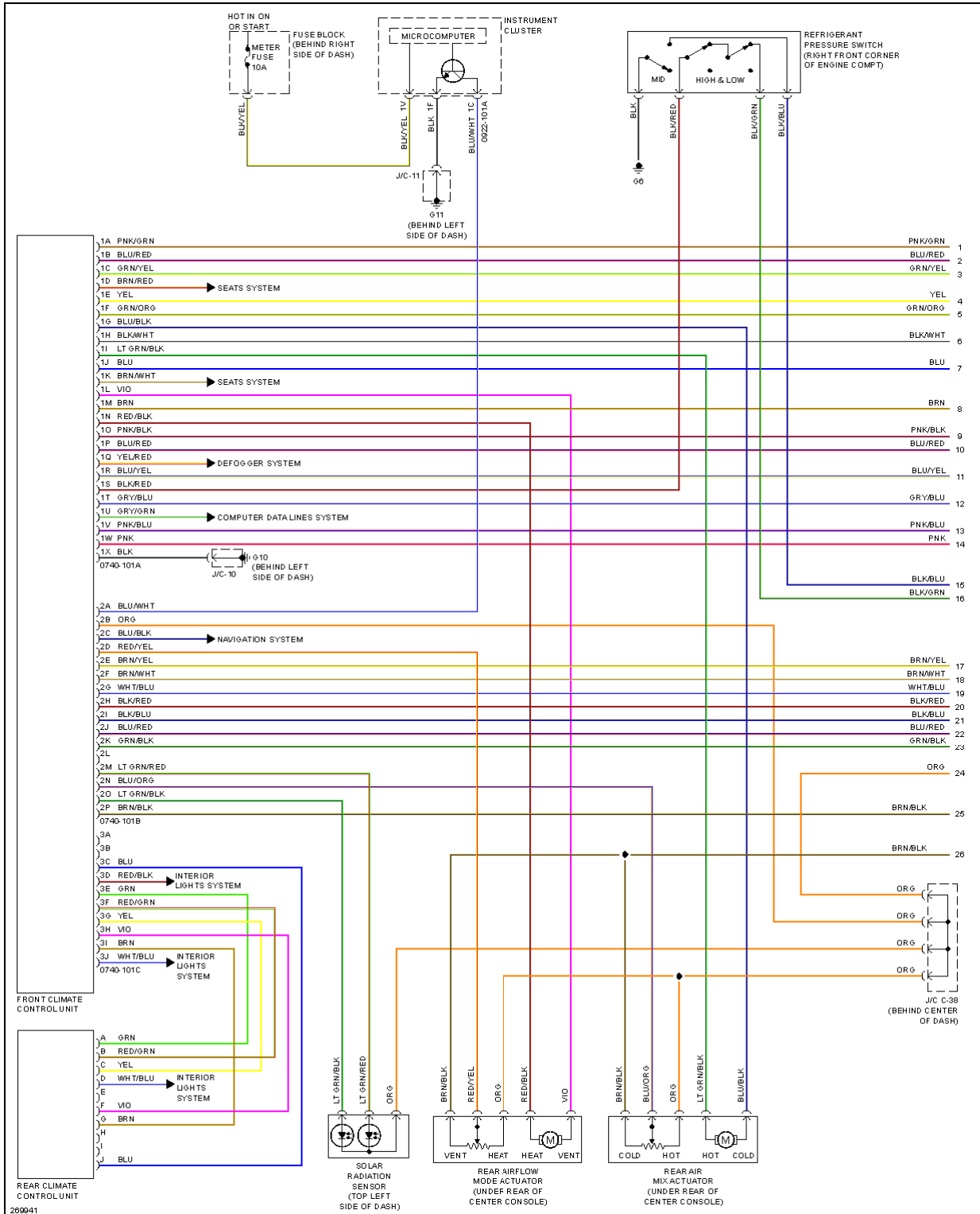


AIR CONDITIONING

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



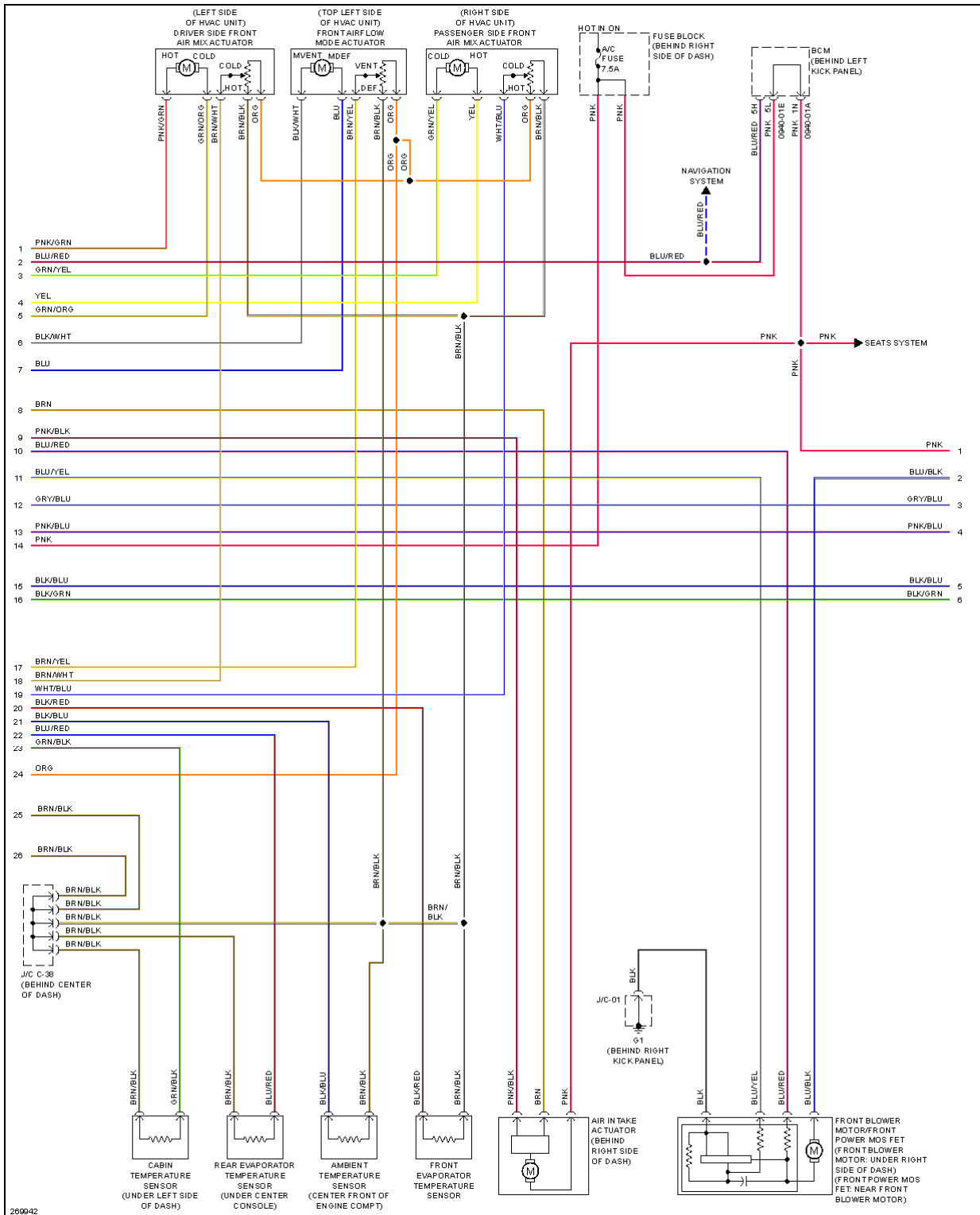
2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 1: Automatic A/C Circuit, Dual Fans (1 of 3)

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



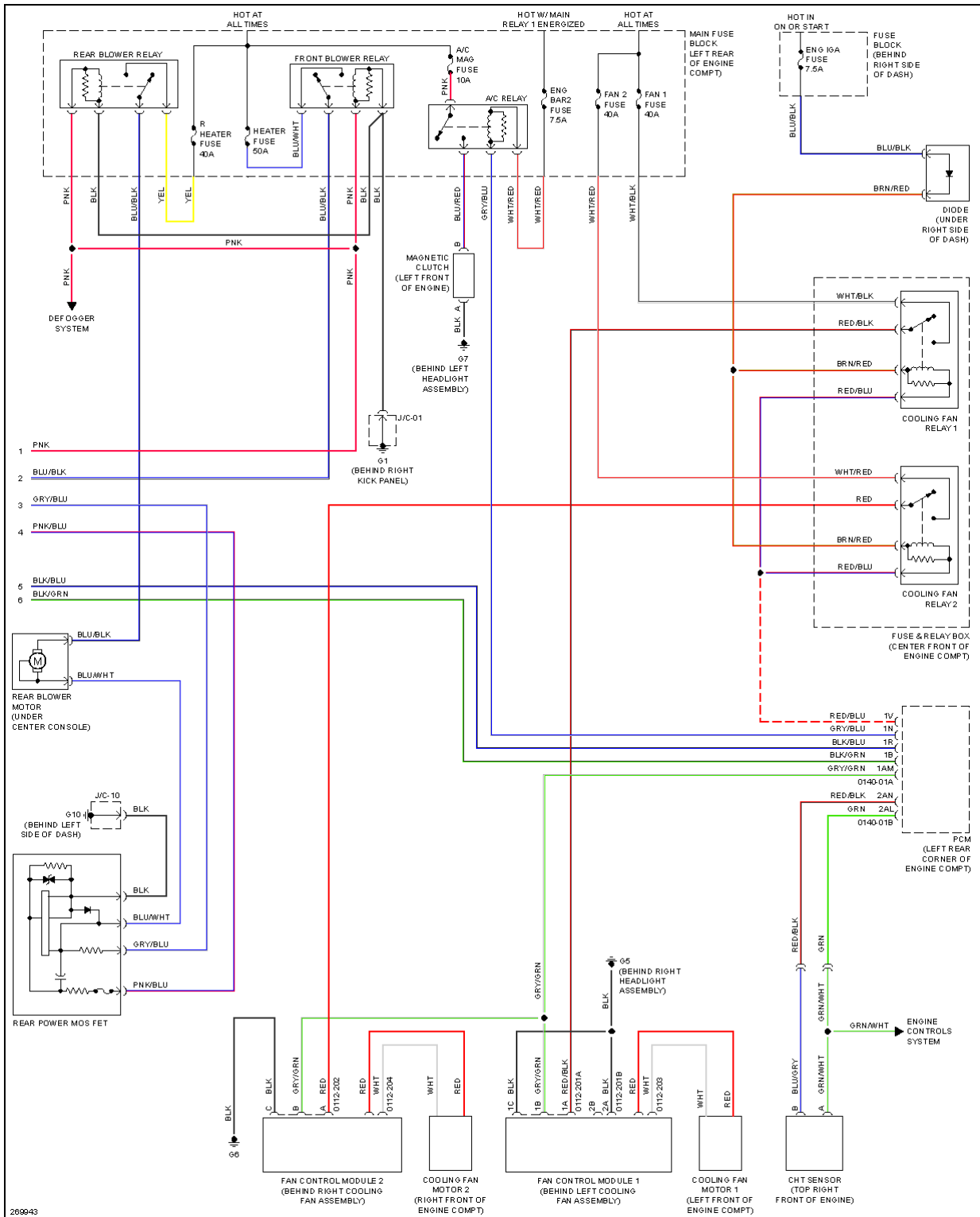
2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 2: Automatic A/C Circuit, Dual Fans (2 of 3)

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



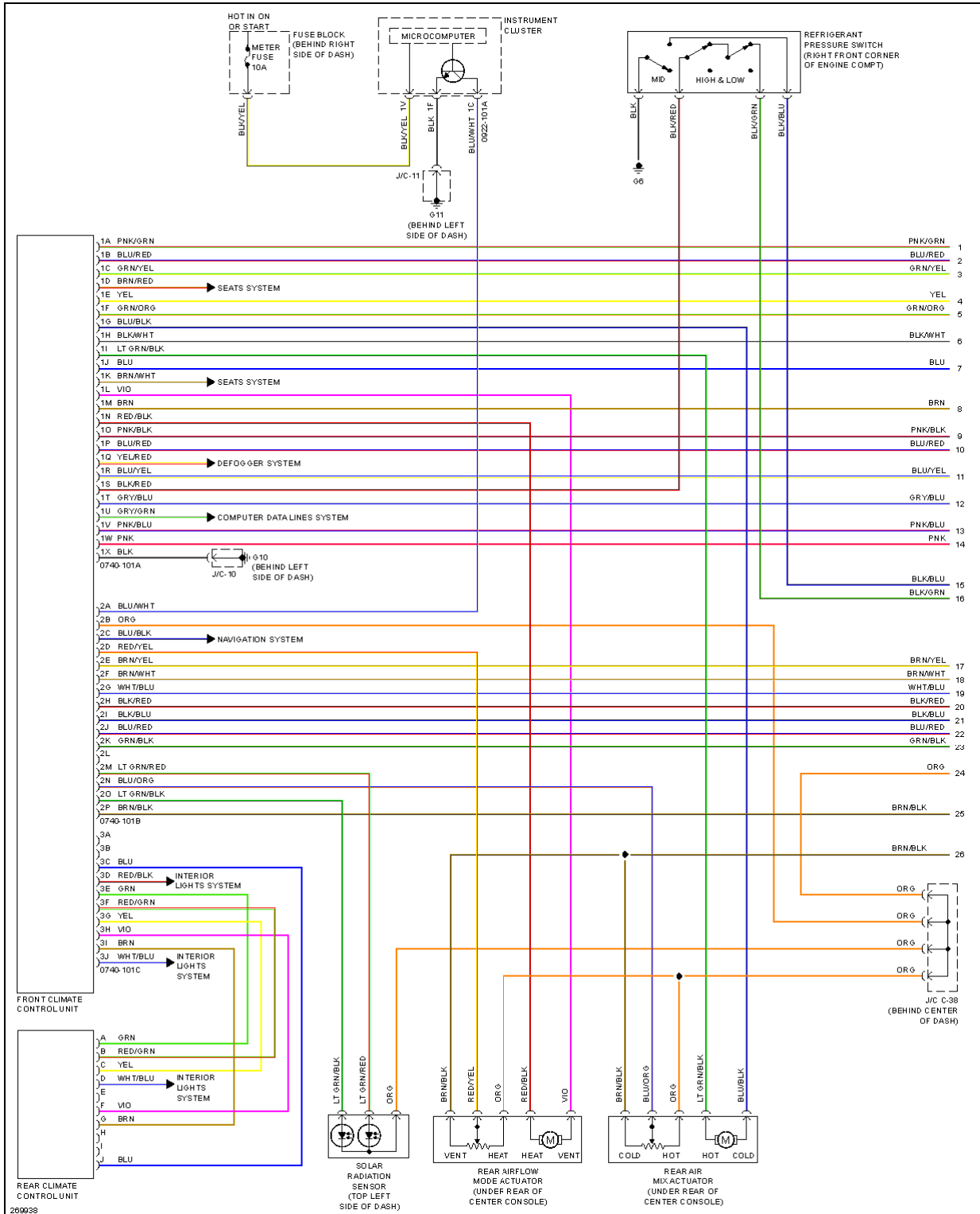
2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 3: Automatic A/C Circuit, Dual Fans (3 of 3)

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



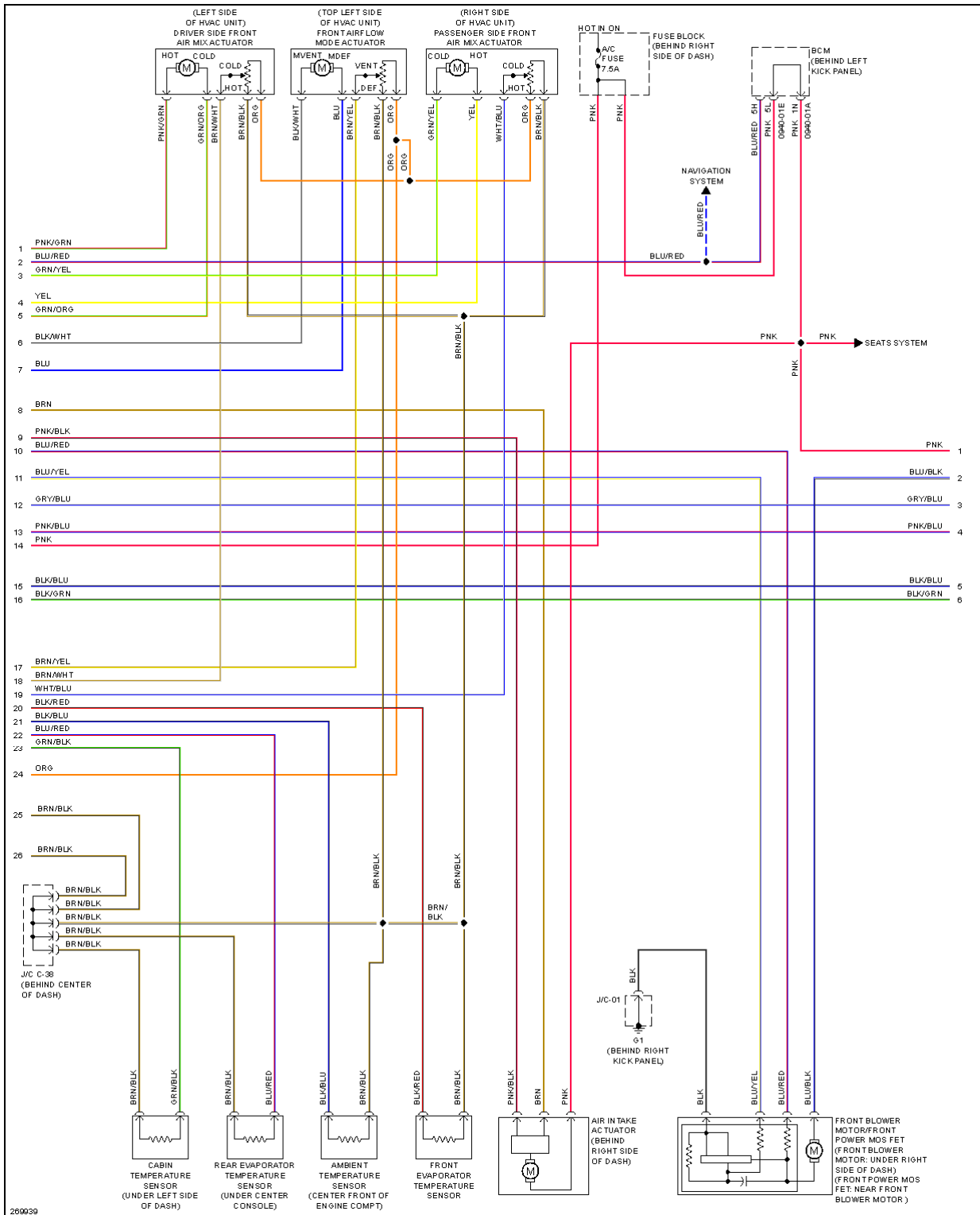
2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 4: Automatic A/C Circuit, Single Fan (1 of 3)

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 5: Automatic A/C Circuit, Single Fan (2 of 3)

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

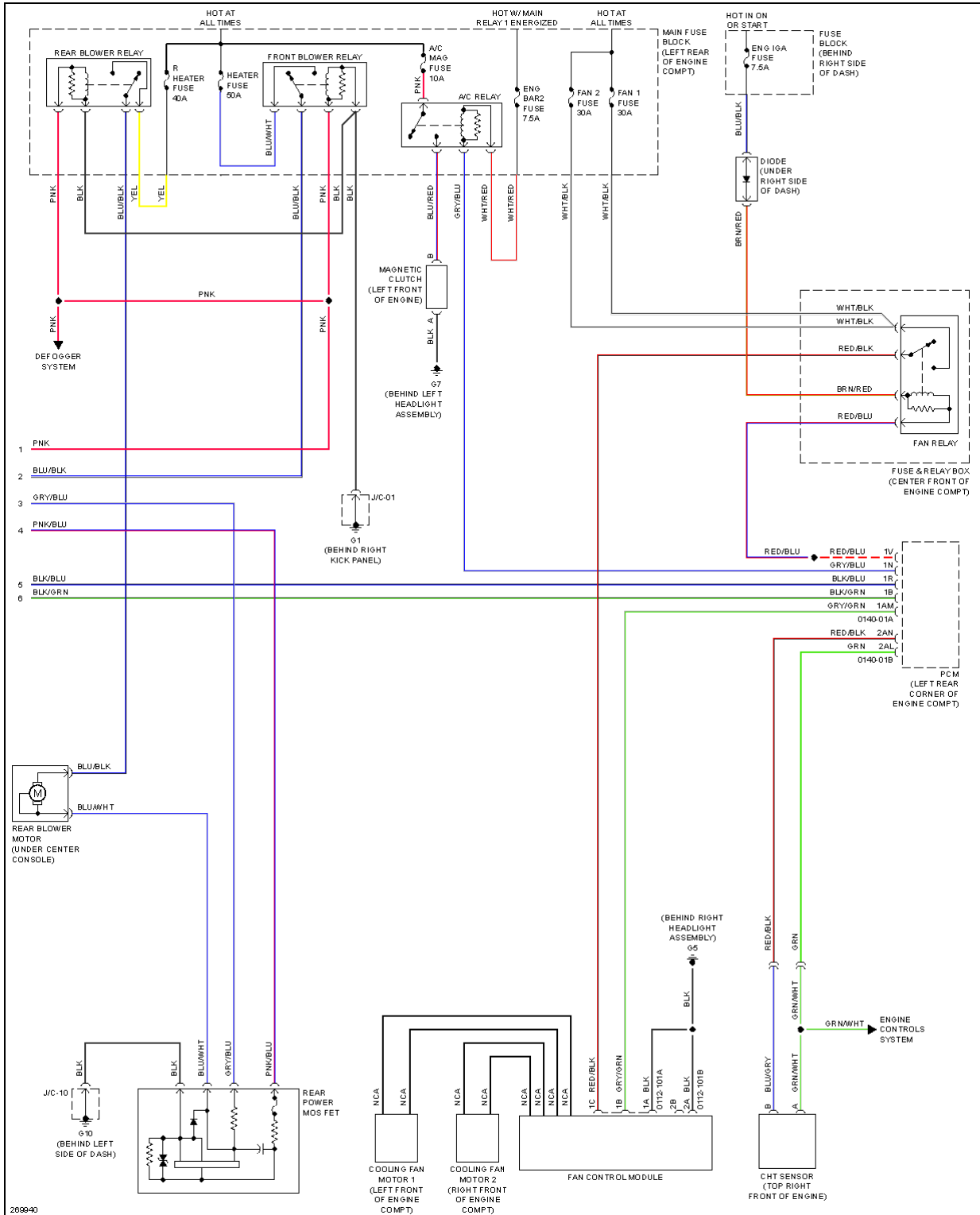


Fig. 6: Automatic A/C Circuit, Single Fan (3 of 3)

ANTI-LOCK BRAKES

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

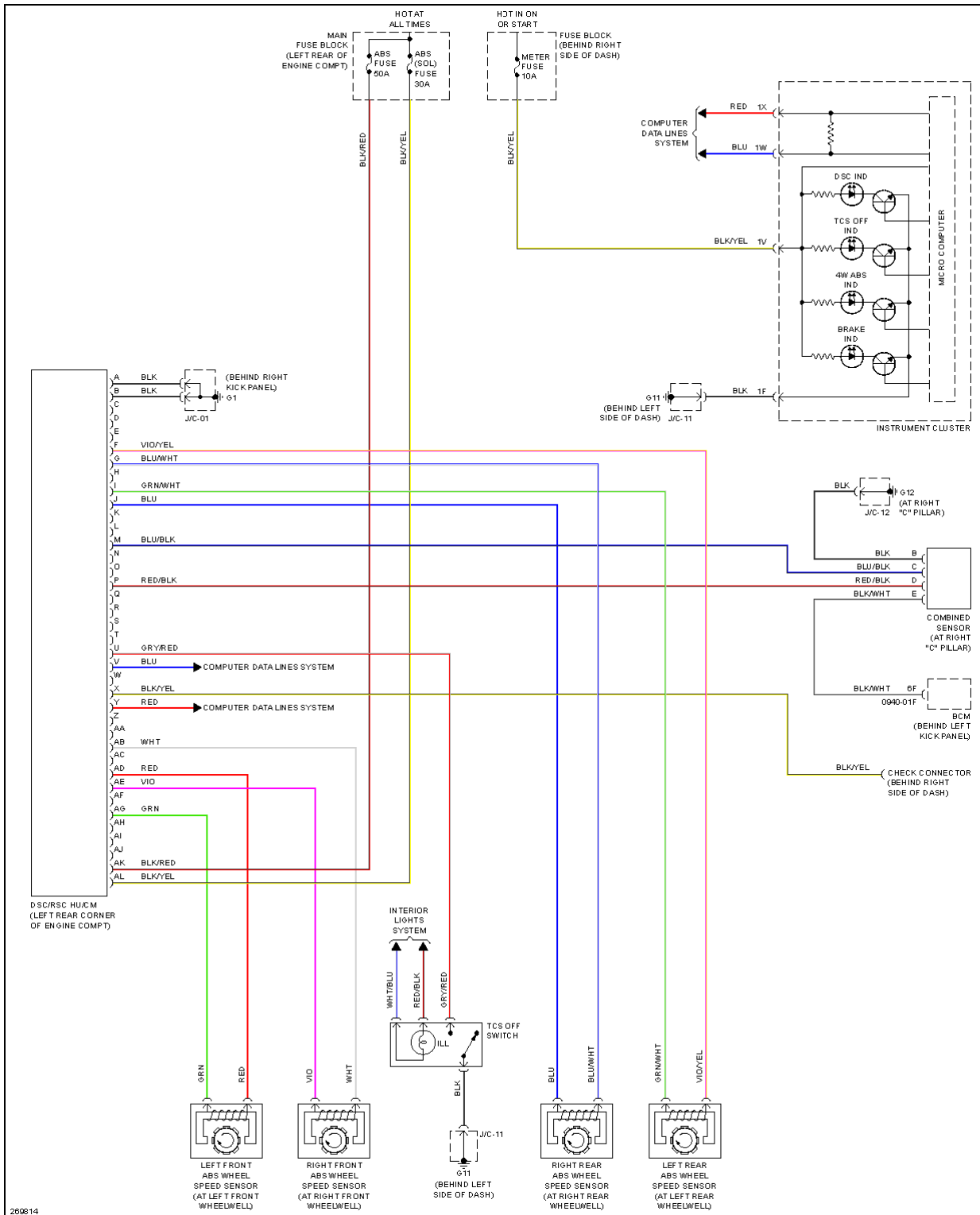
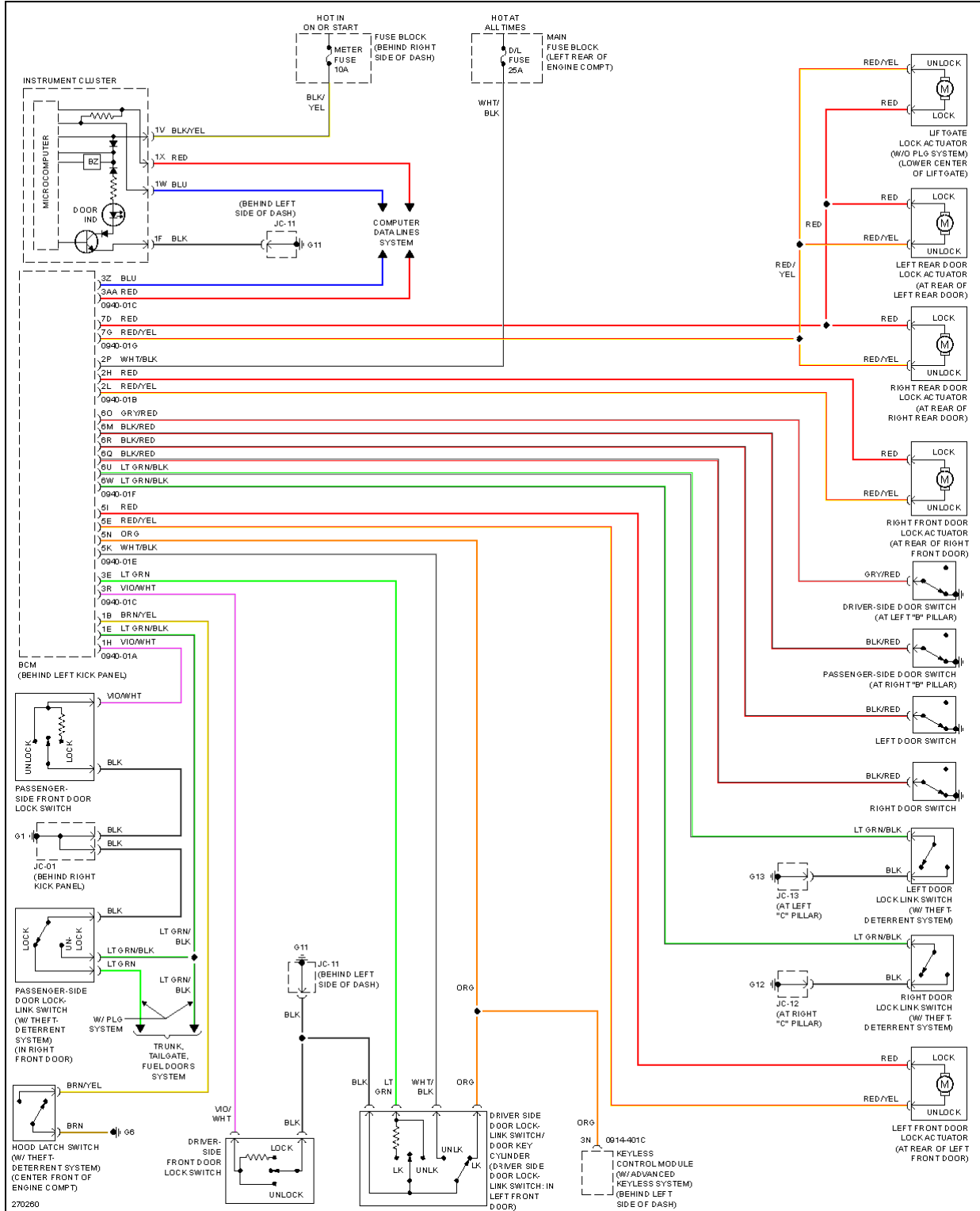


Fig. 7: Anti-lock Brakes Circuit

ANTI-THEFT

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 8: Forced Entry Circuit

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

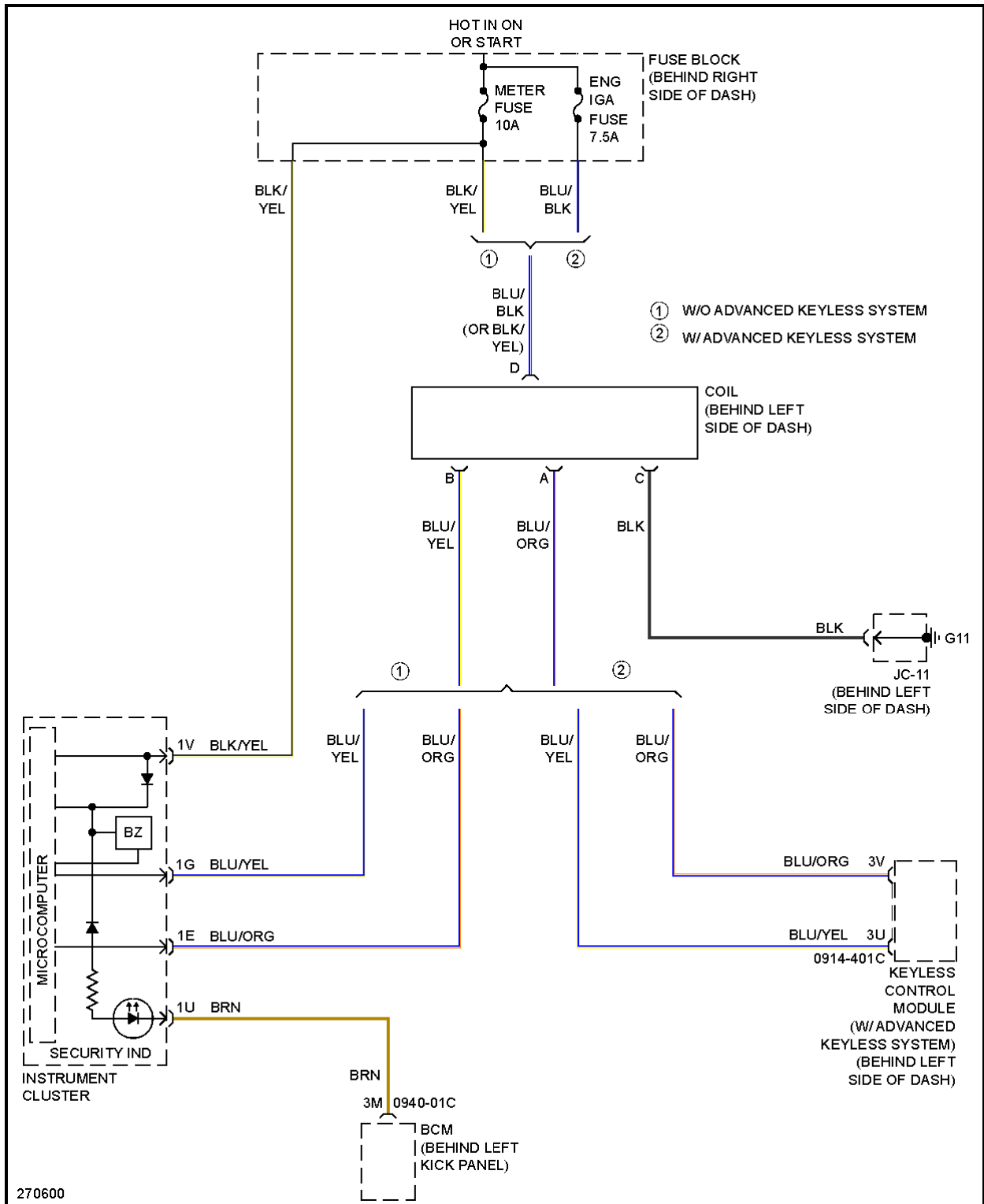


Fig. 9: Immobilizer Circuit

BODY CONTROL MODULES

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

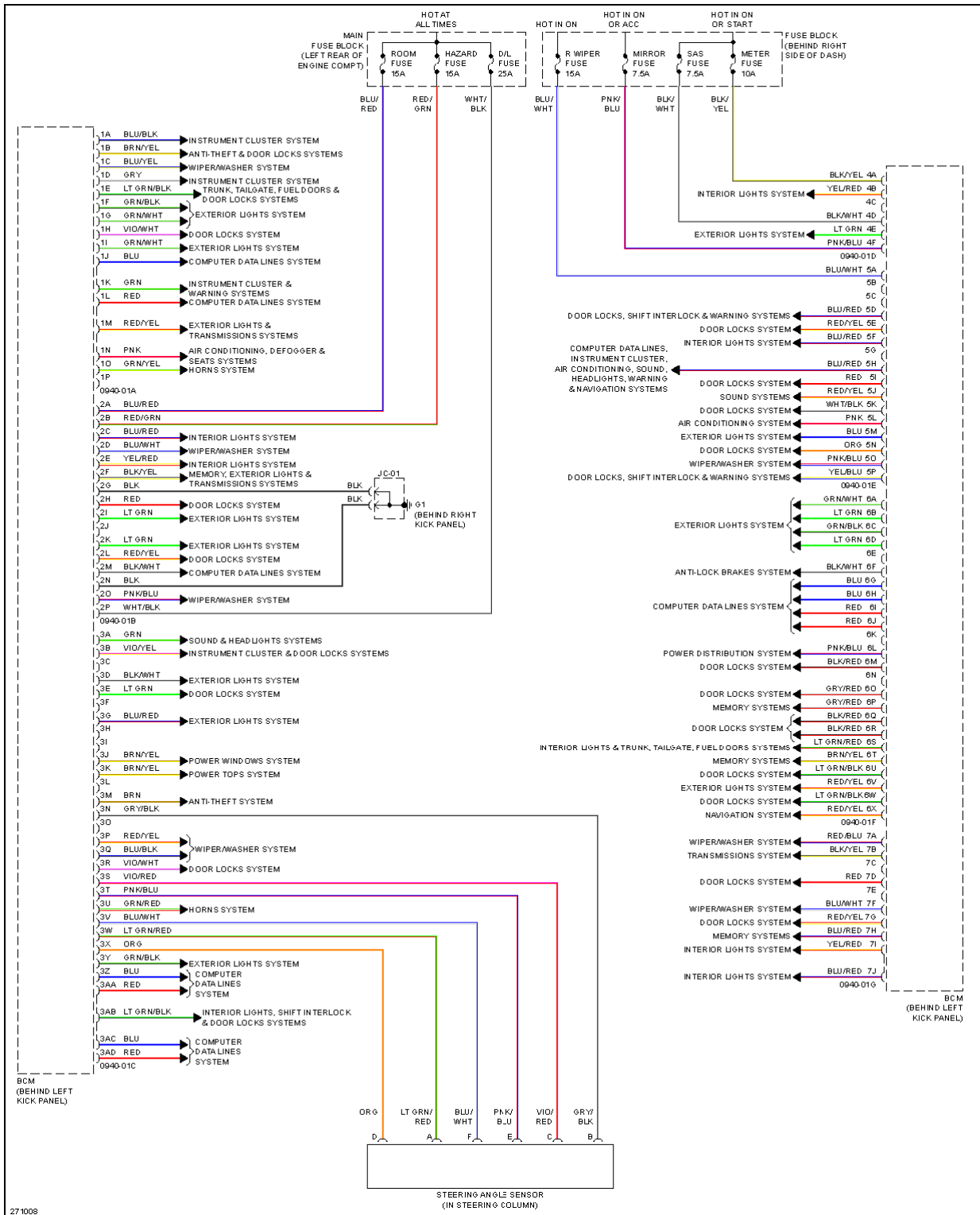


Fig. 10: Body Control Modules Circuit

COMPUTER DATA LINES

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

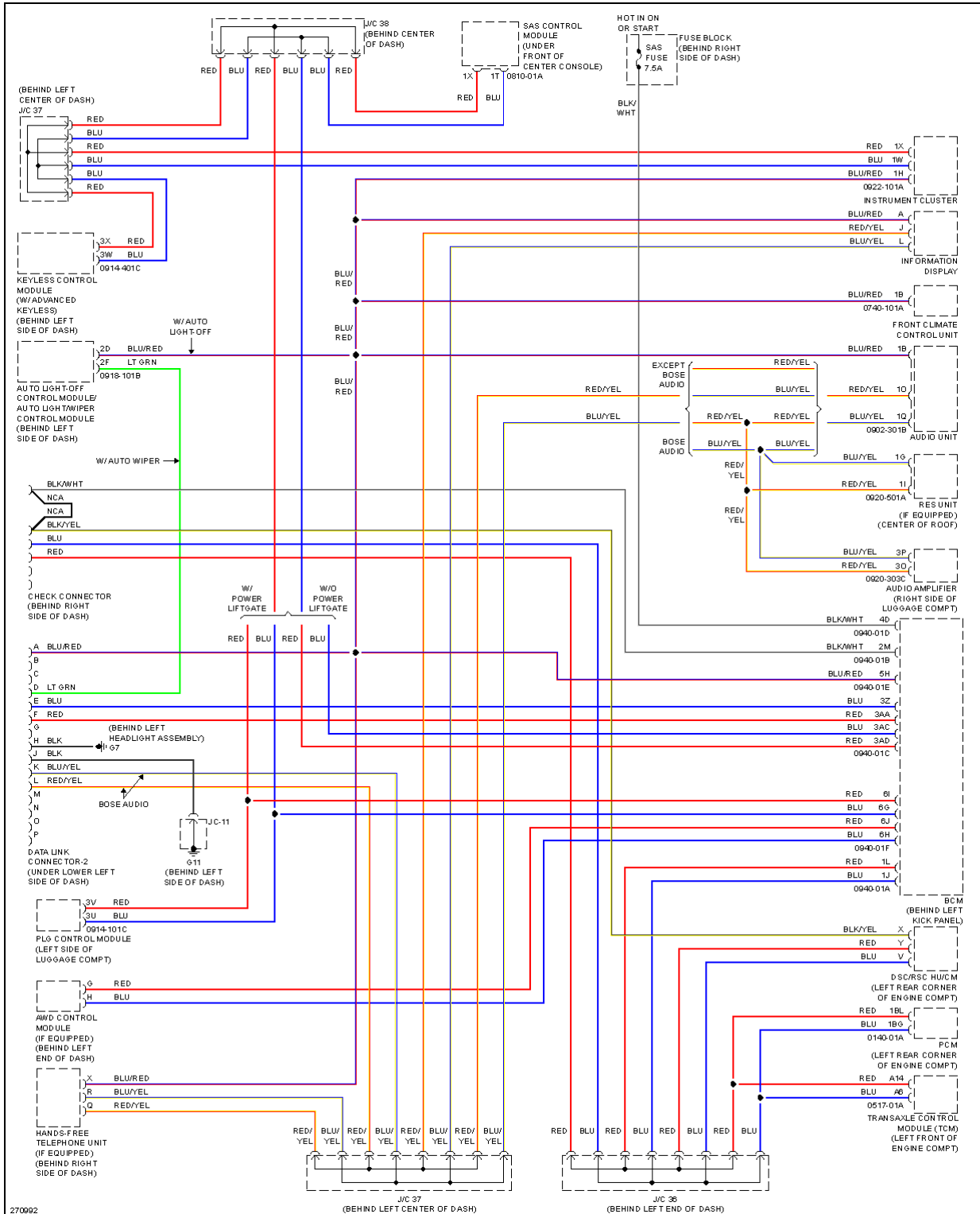
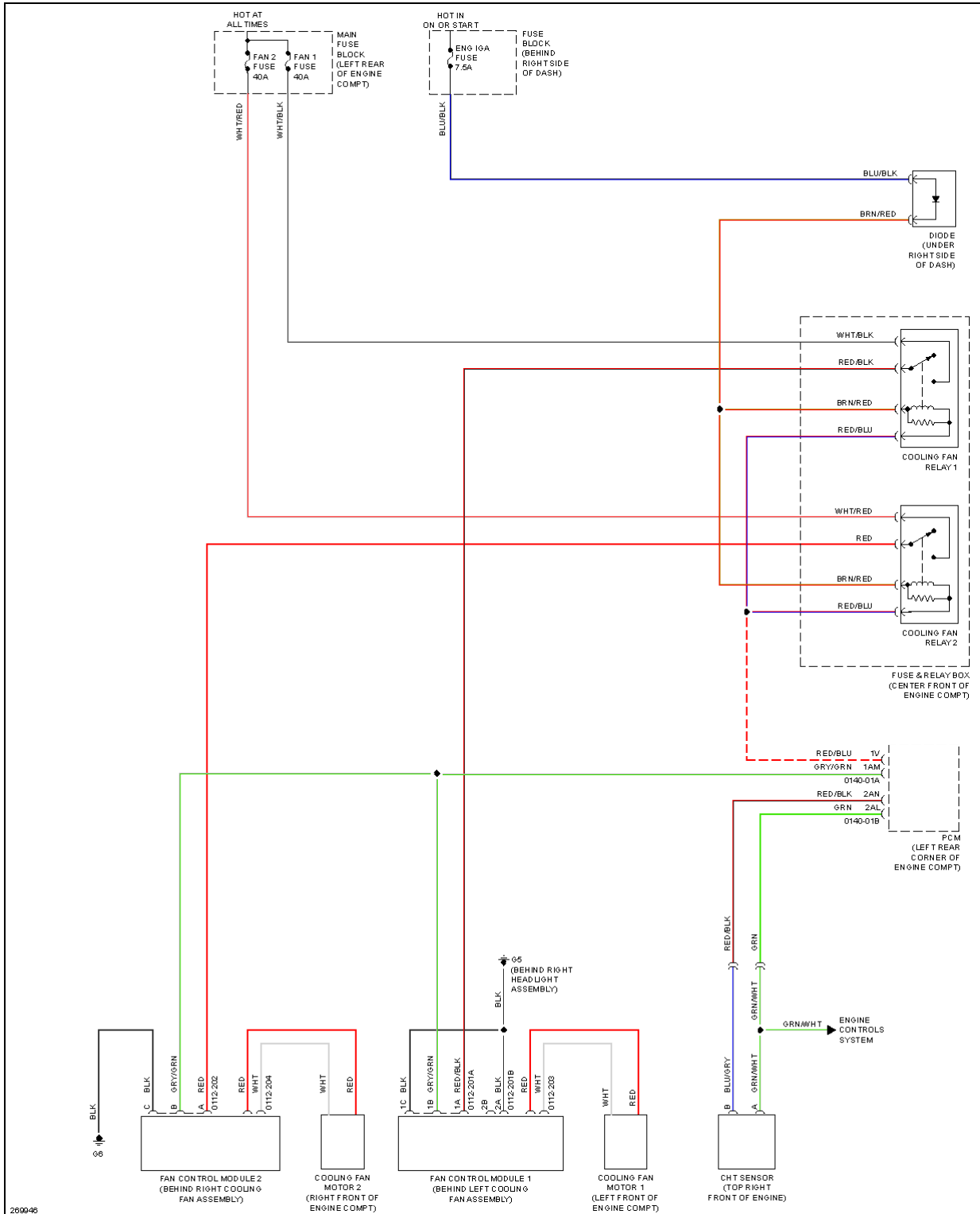


Fig. 11: Computer Data Lines Circuit

COOLING FAN

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 12: Cooling Fan Circuit, Dual Fans

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

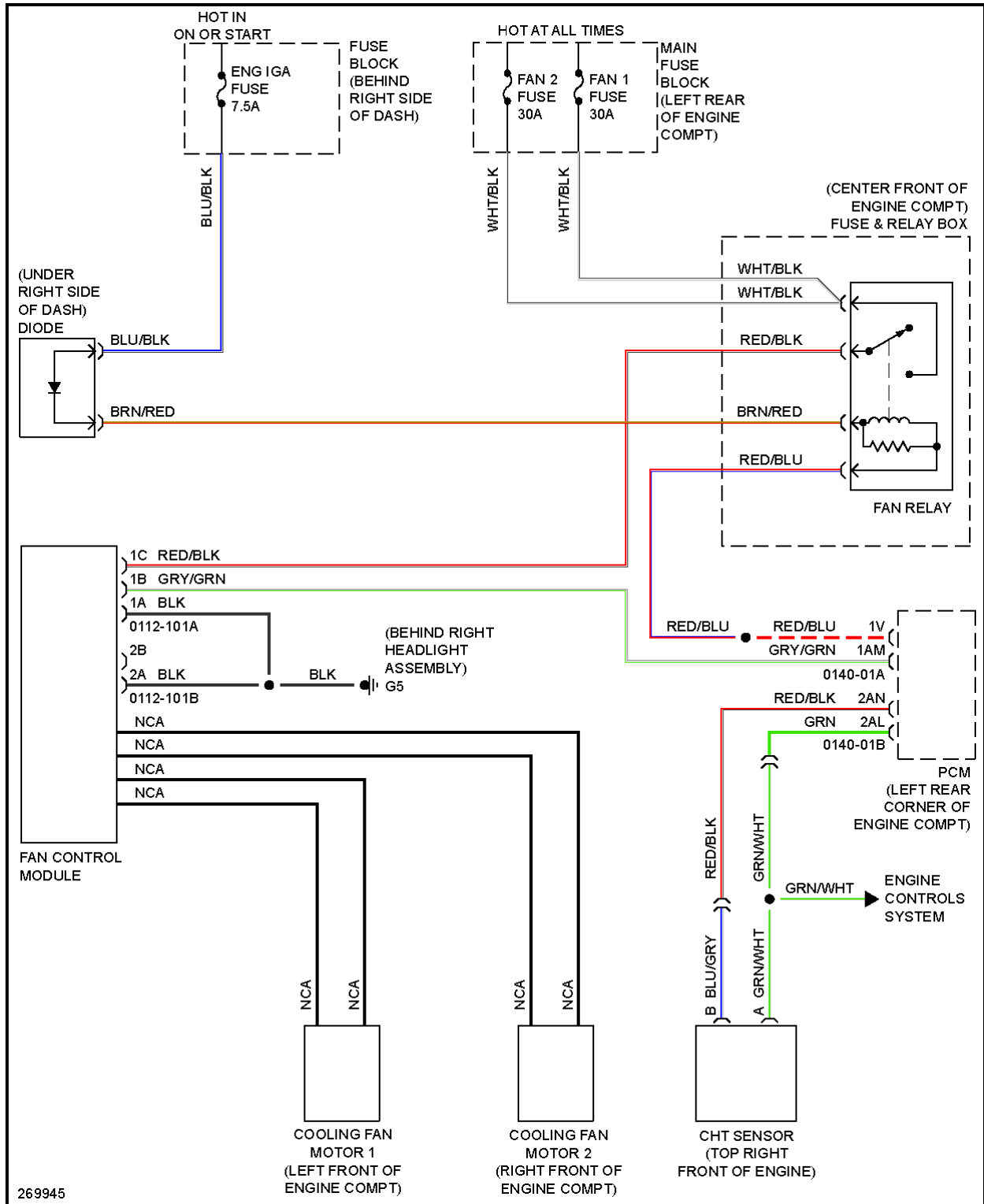


Fig. 13: Cooling Fan Circuit, Single Fan

CRUISE CONTROL

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

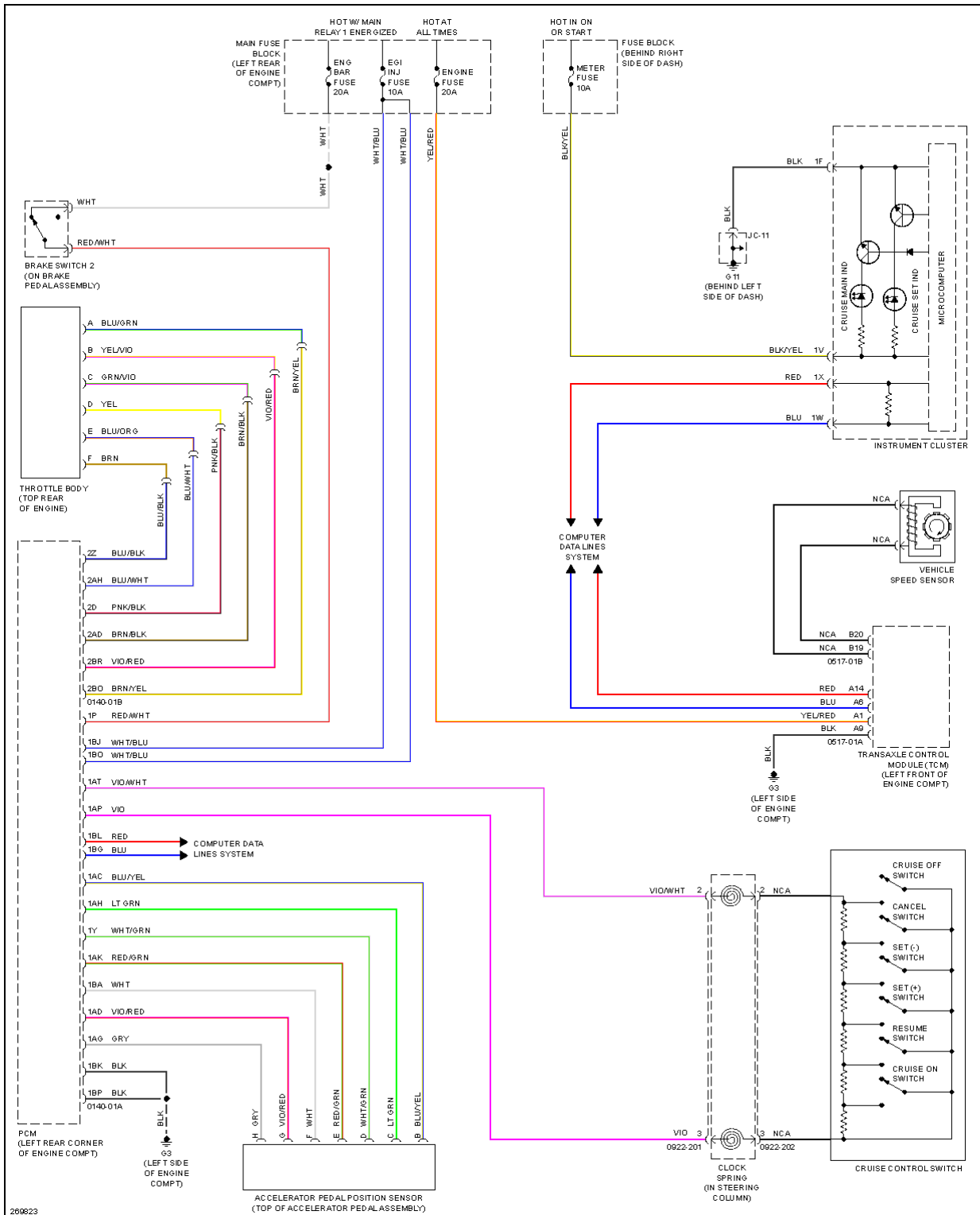


Fig. 14: Cruise Control Circuit

DEFOGGERS

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

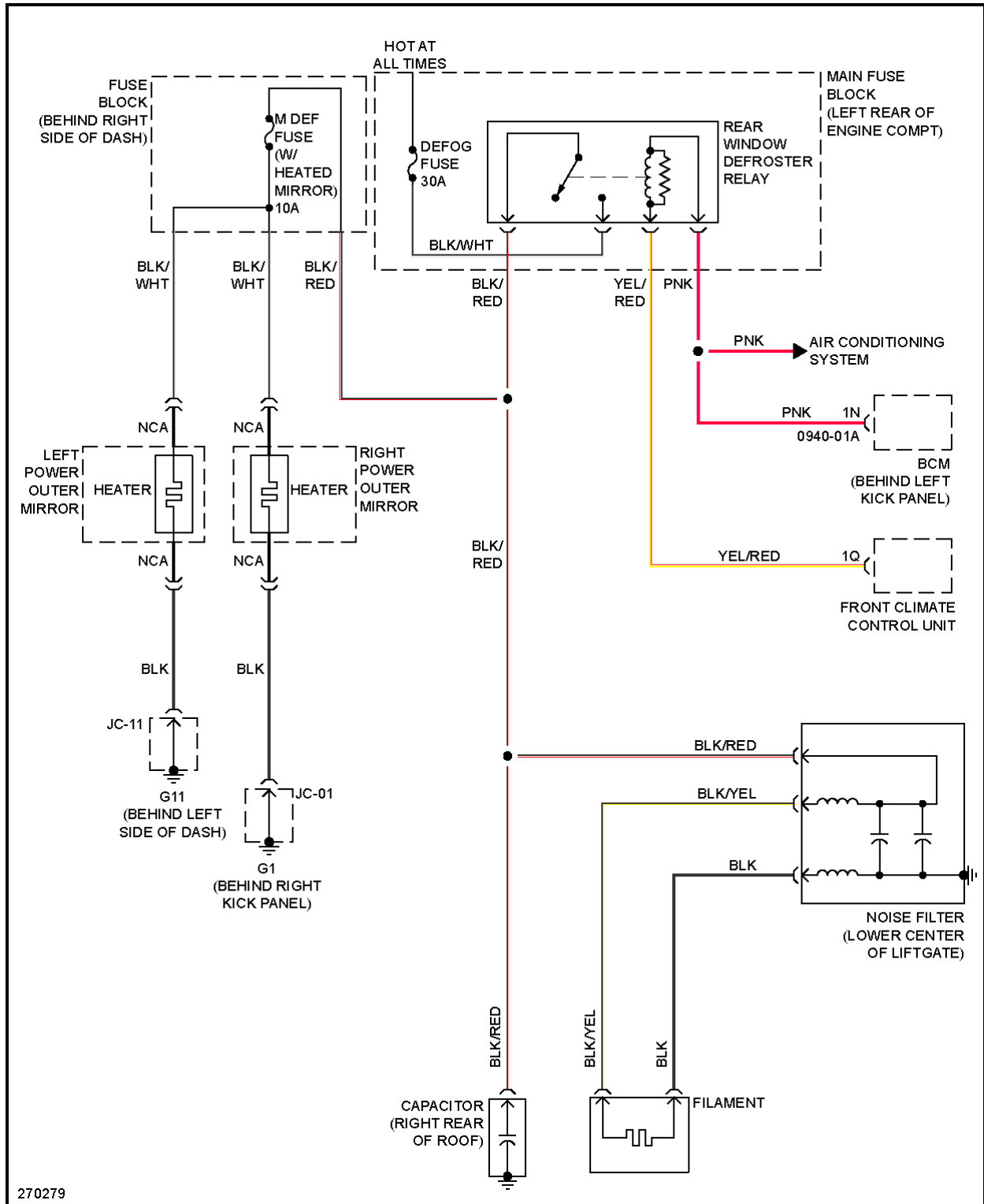


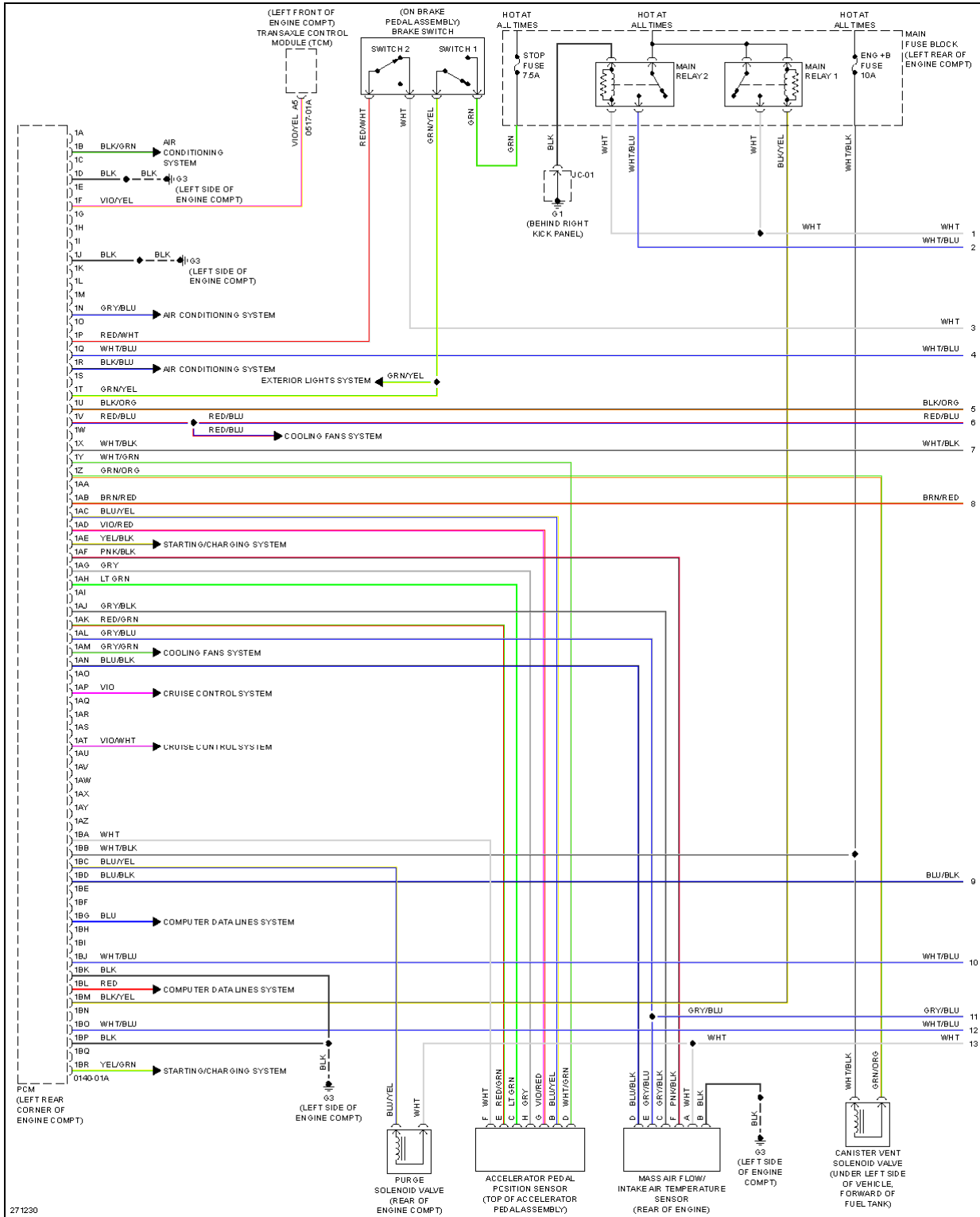
Fig. 15: Defoggers Circuit

ENGINE PERFORMANCE

3.5L

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



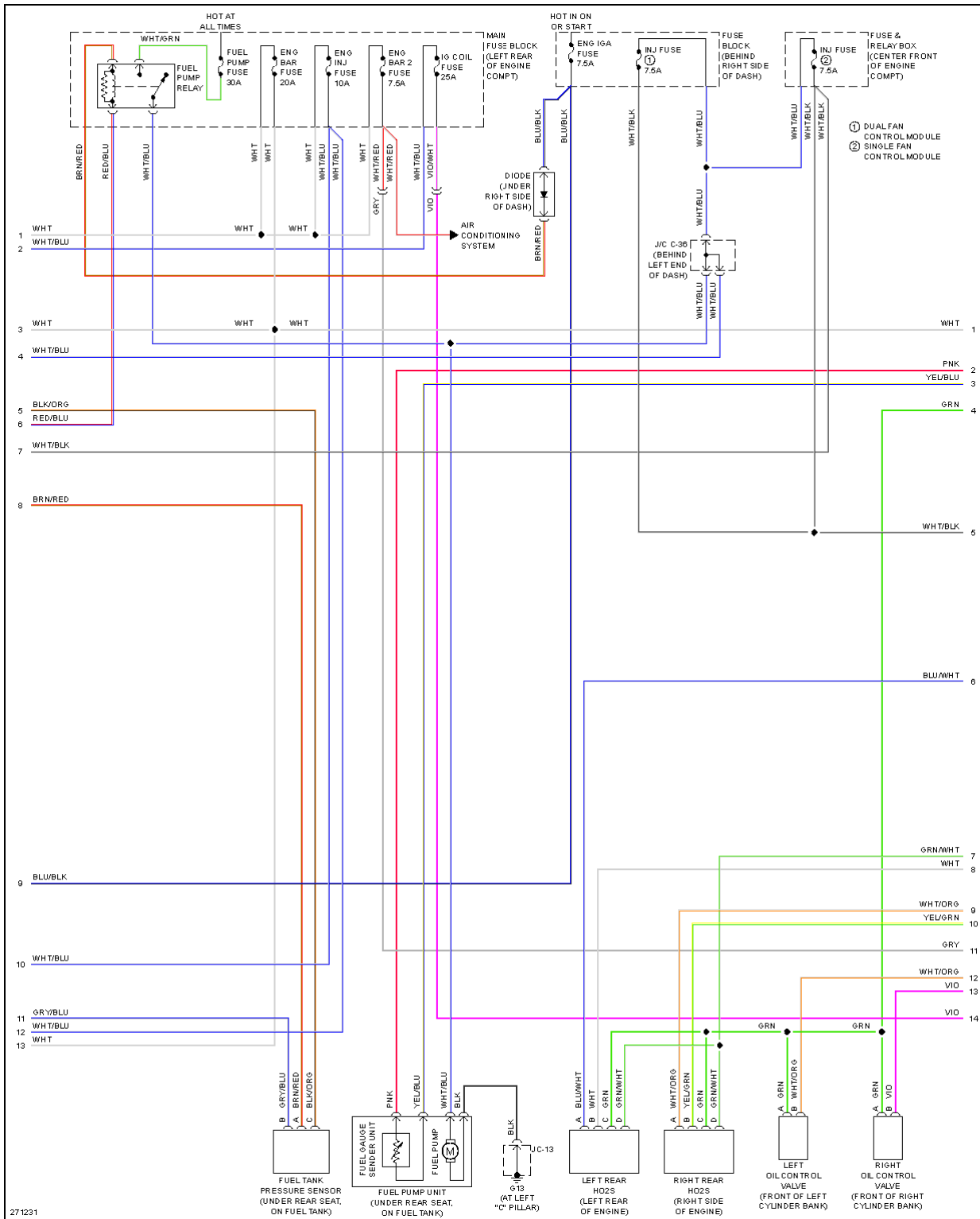
2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 16: 3.5L, Engine Performance Circuit (1 of 4)

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



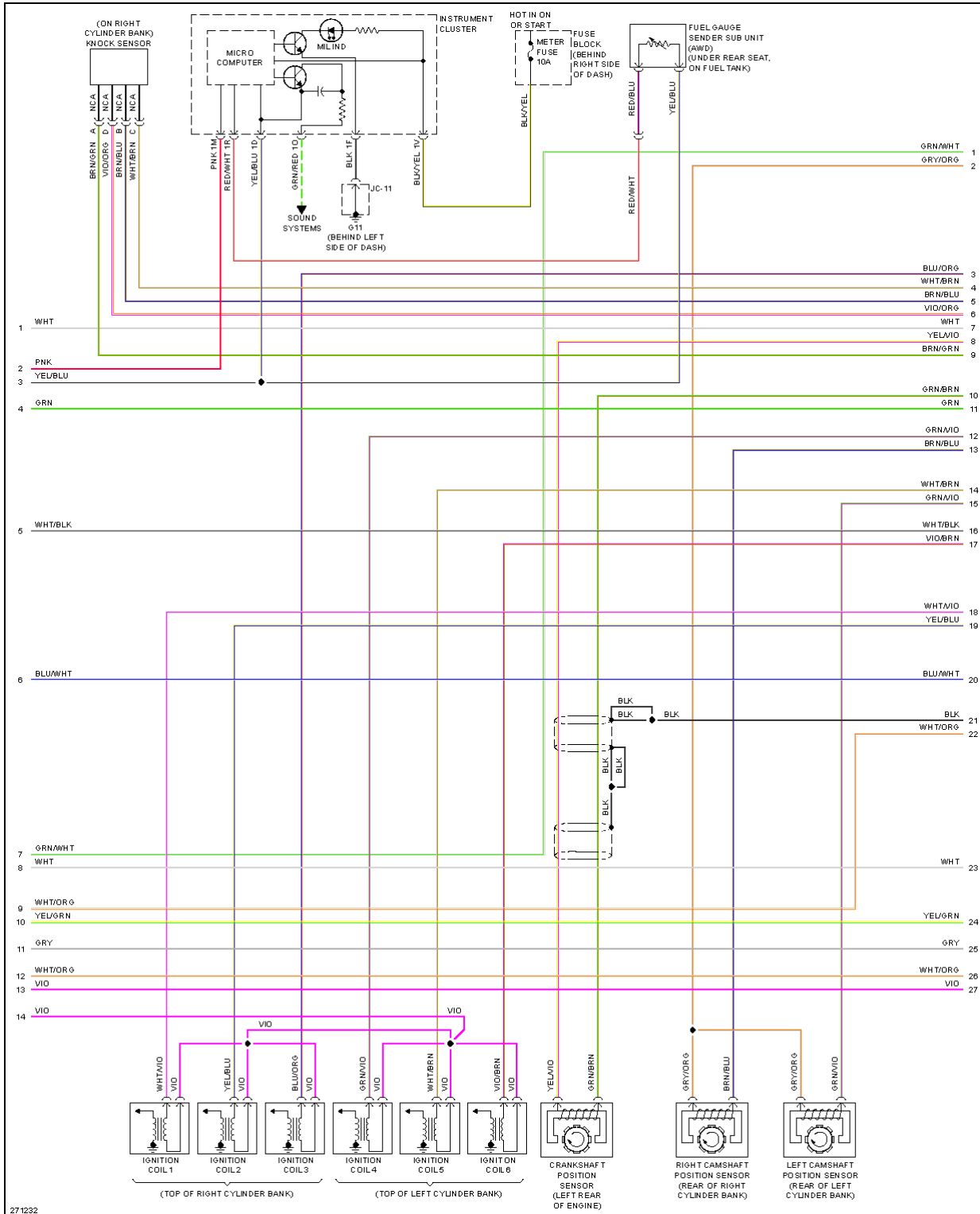
2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 17: 3.5L, Engine Performance Circuit (2 of 4)

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2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 18: 3.5L, Engine Performance Circuit (3 of 4)

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

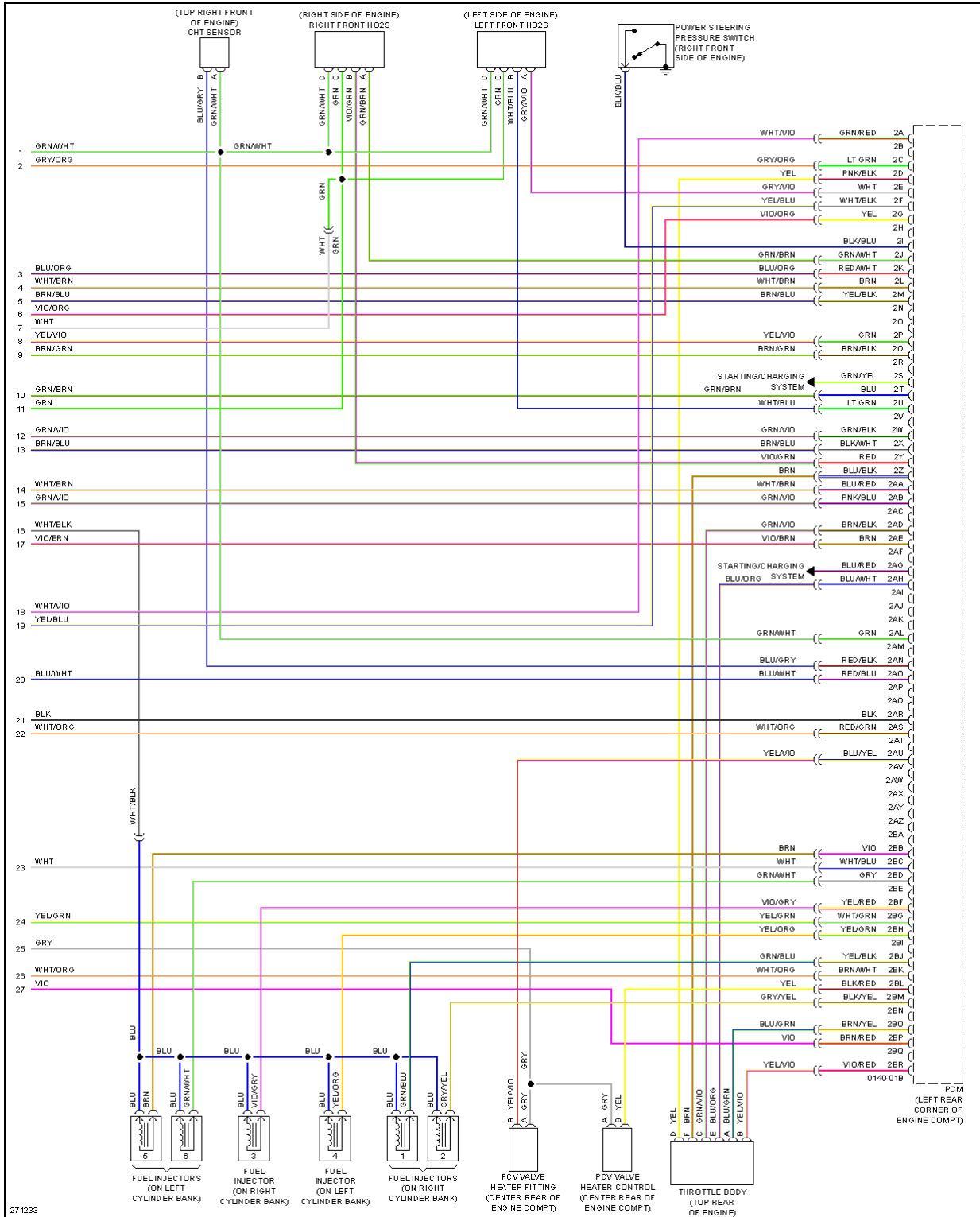
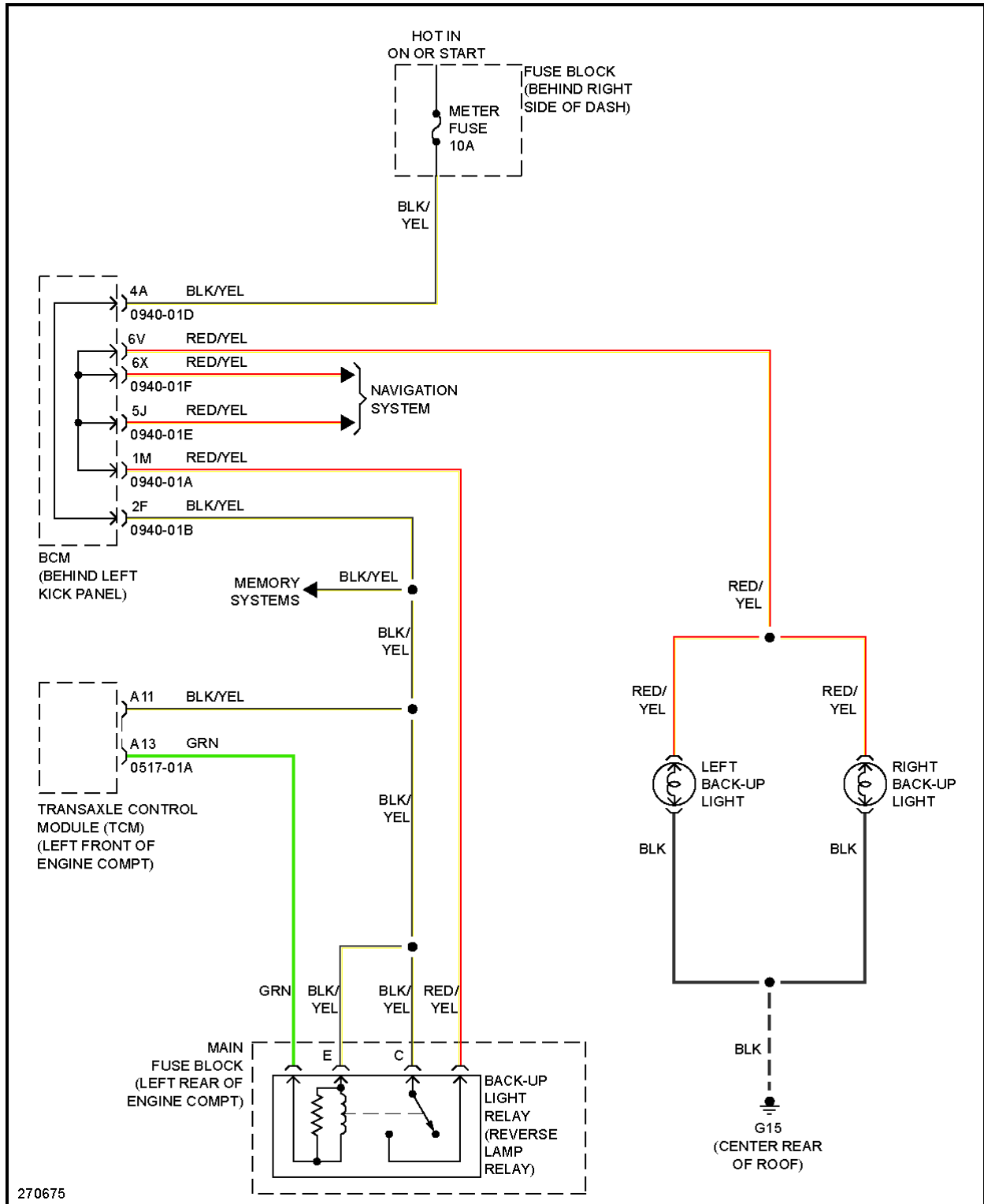


Fig. 19: 3.5L, Engine Performance Circuit (4 of 4)

EXTERIOR LIGHTS

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 20: Backup Lamps Circuit

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

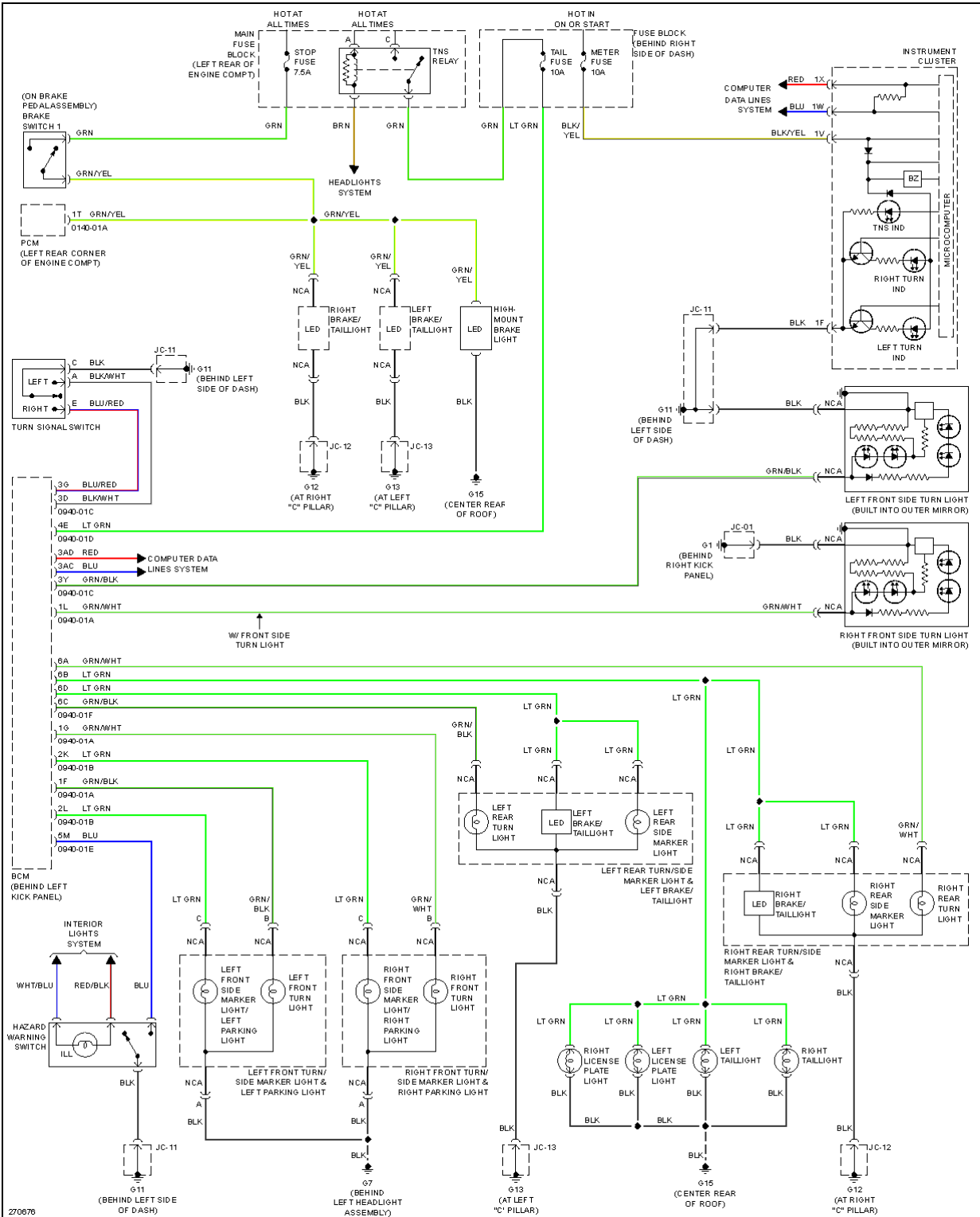


Fig. 21: Exterior Lamps Circuit

GROUND DISTRIBUTION

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

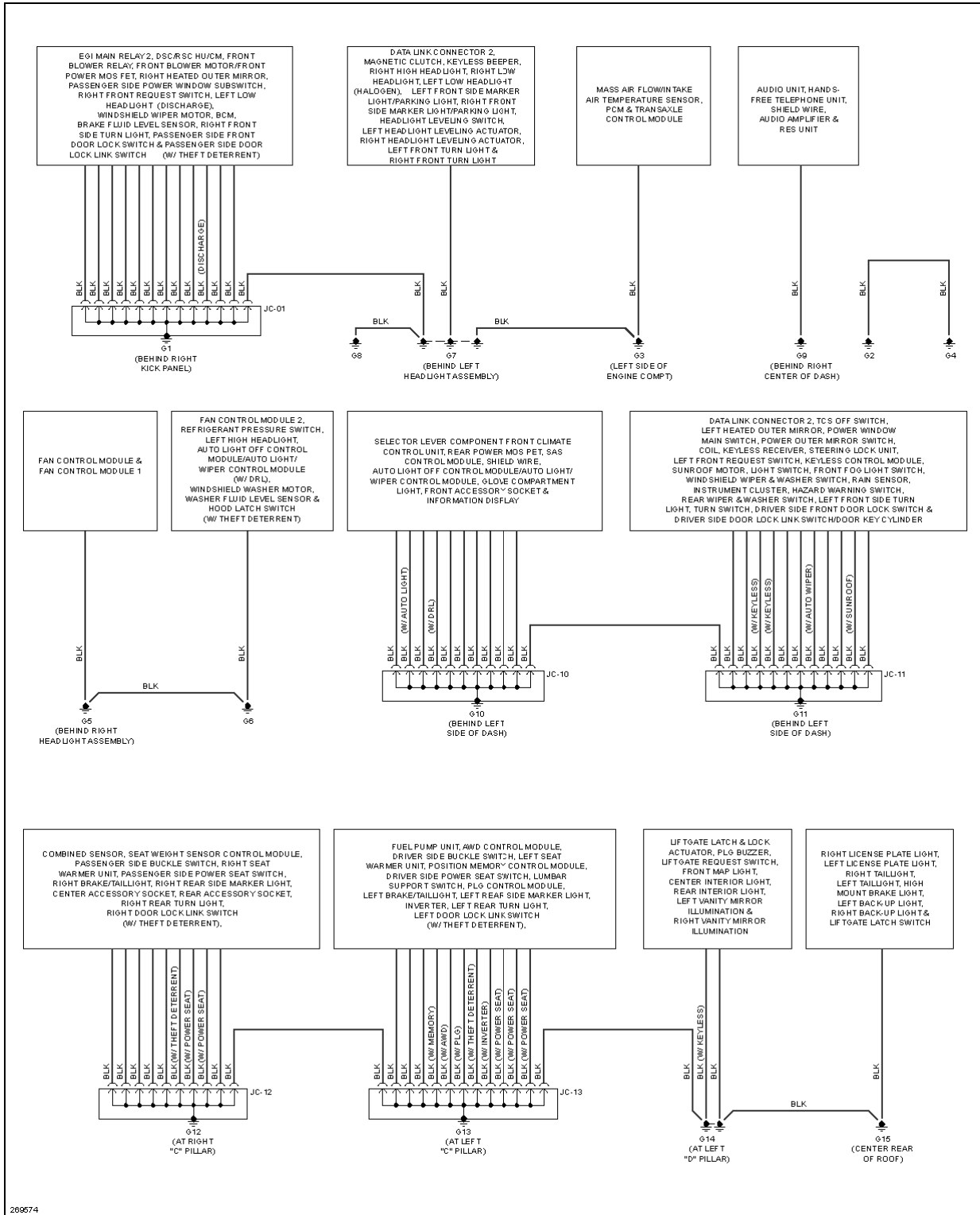
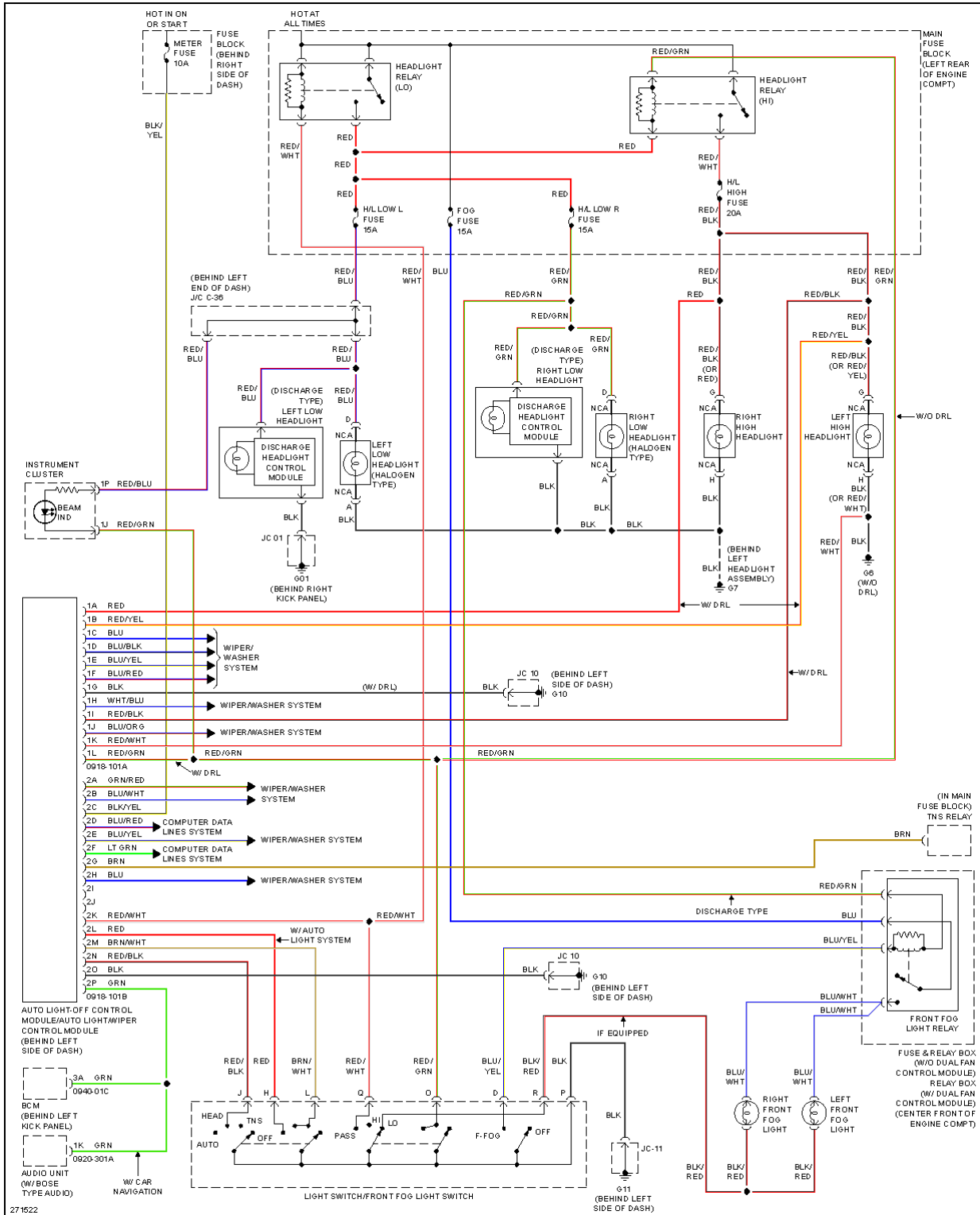


Fig. 22: Ground Distribution Circuit

HEADLIGHTS

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 23: Headlights Circuit, W/ Auto Lights Off

Fig. 24: Headlights Circuit, W/O Auto Lights Off

HORN

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

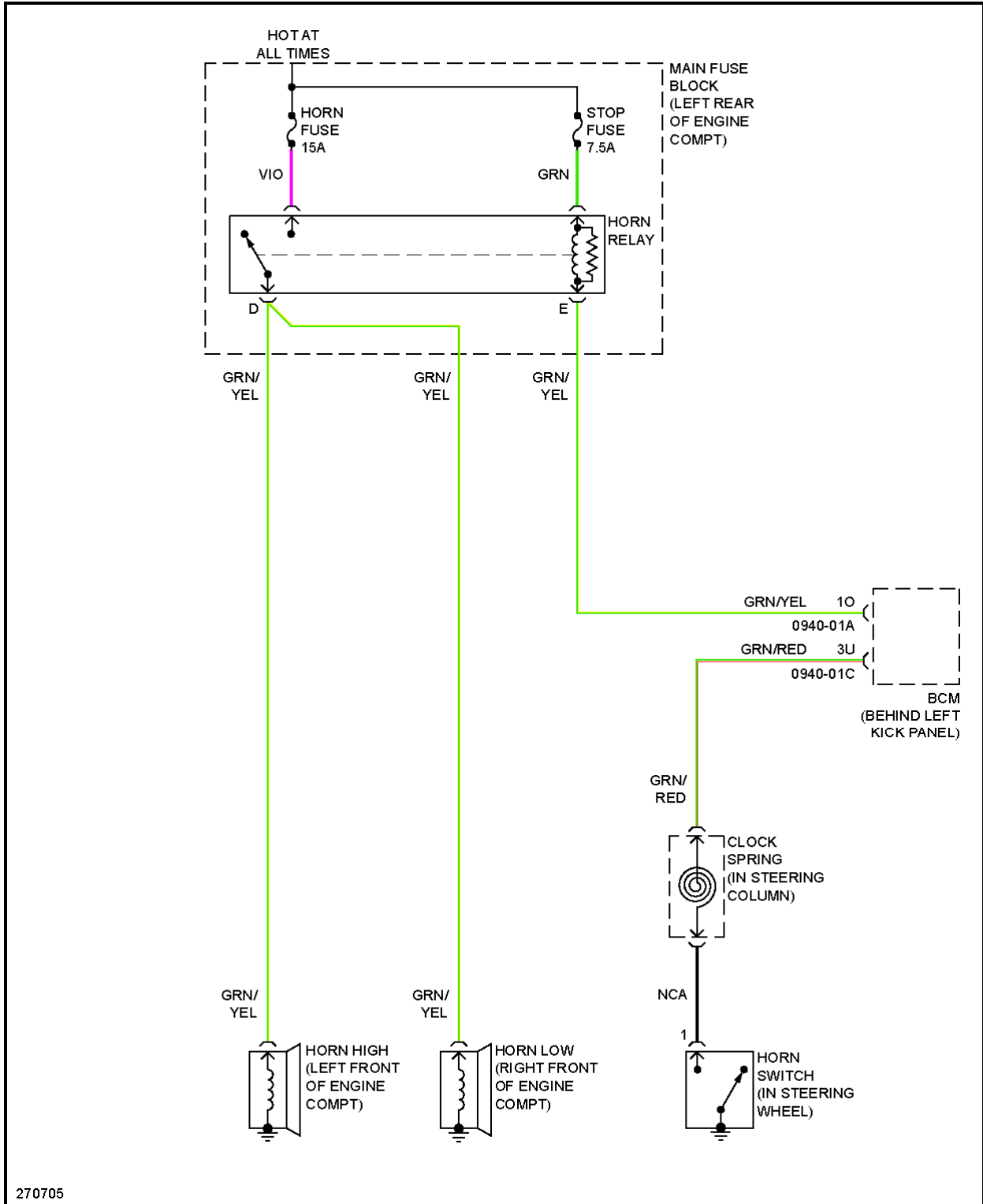
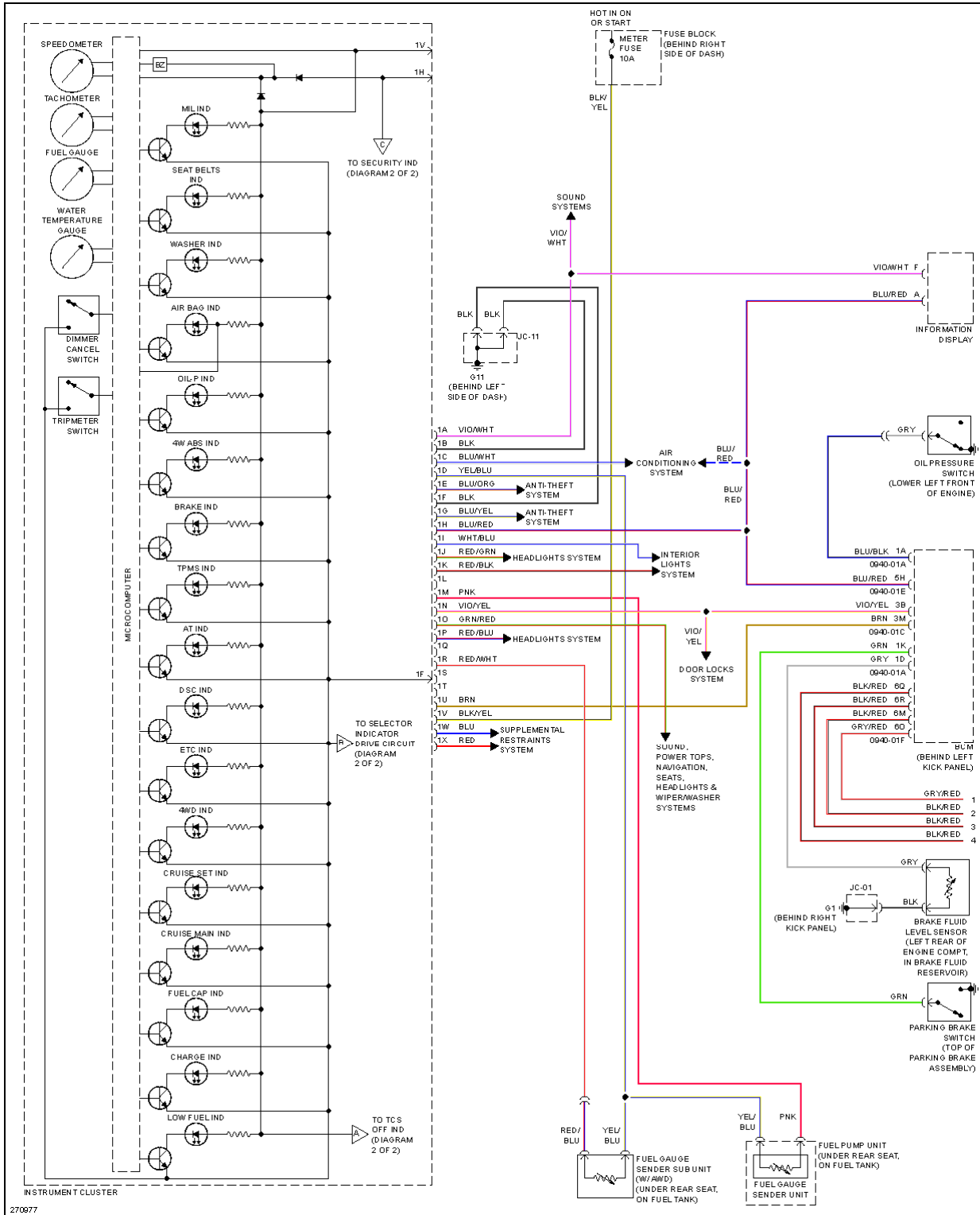


Fig. 25: Horn Circuit

INSTRUMENT CLUSTER

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



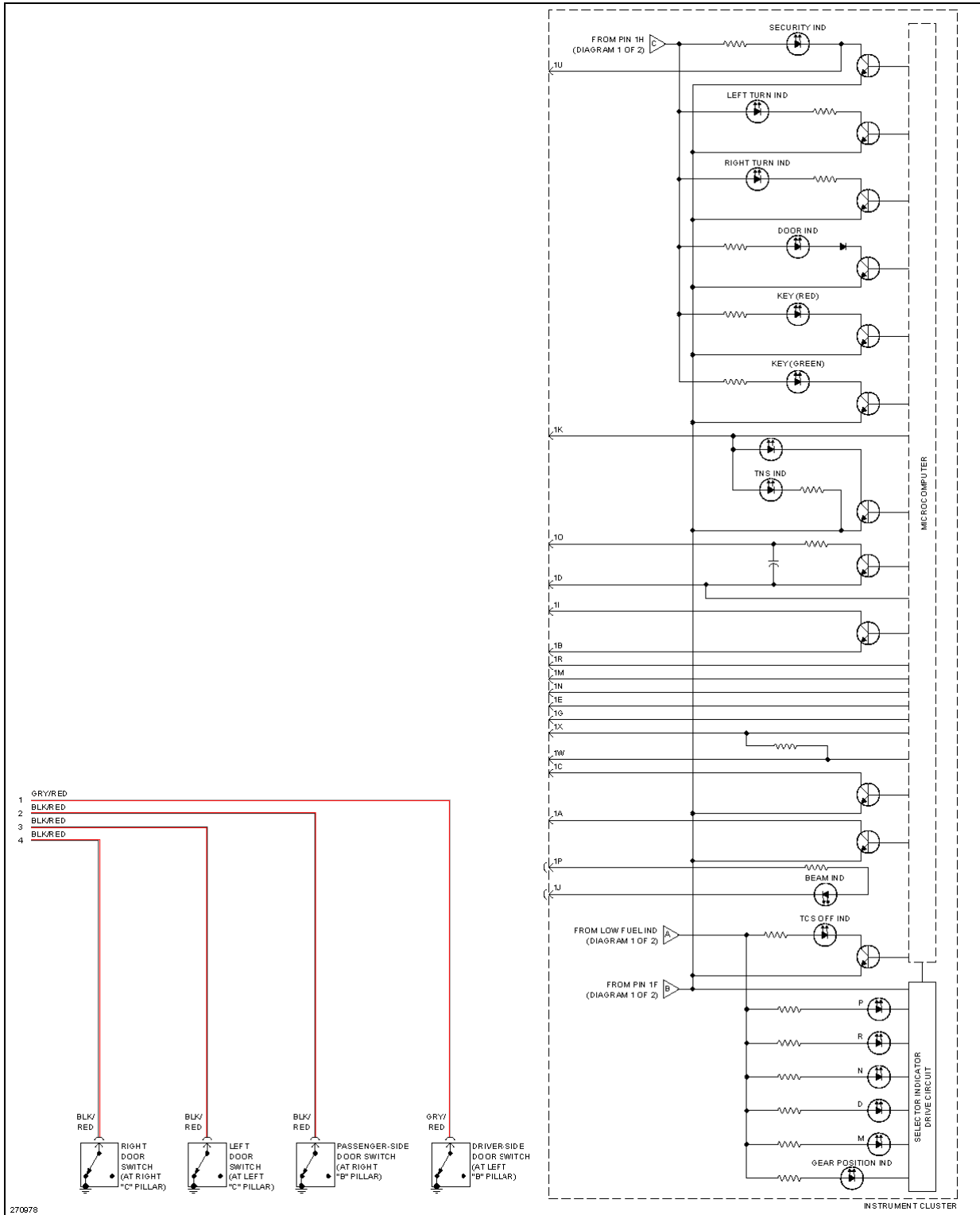
2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 26: Instrument Cluster Circuit (1 of 2)

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



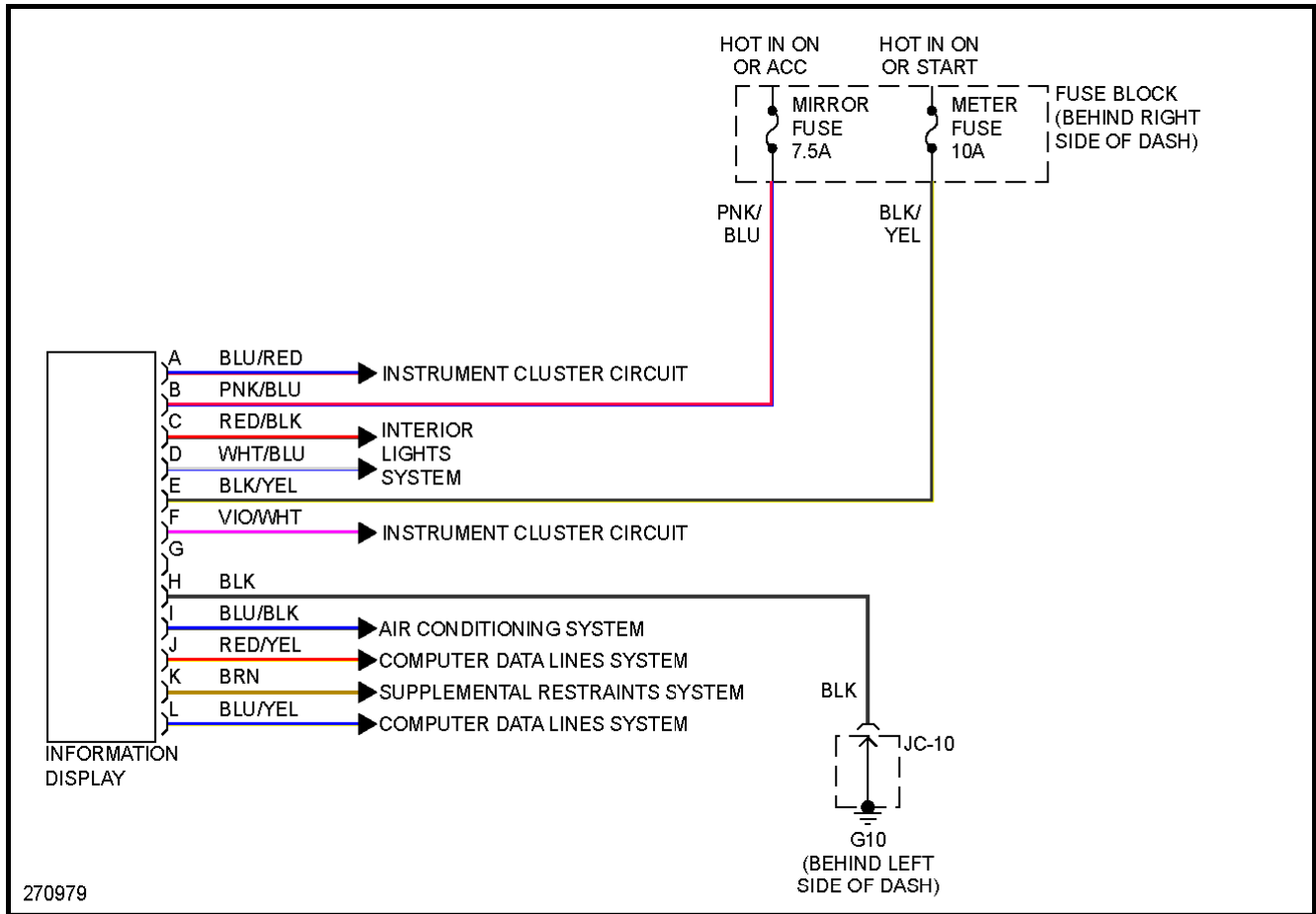
2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 27: Instrument Cluster Circuit (2 of 2)

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



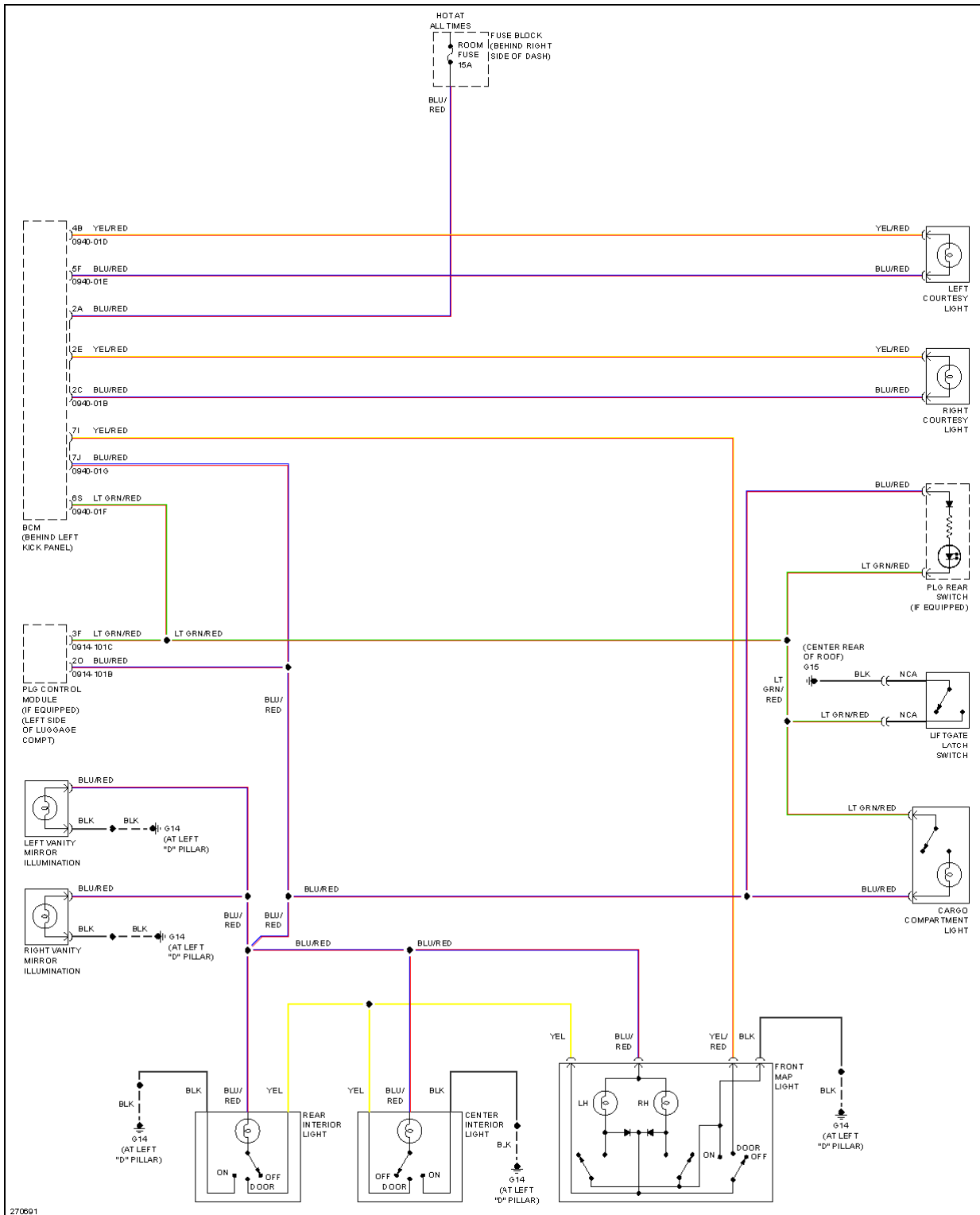
270979

Fig. 28: Multi-Information System Circuit

INTERIOR LIGHTS

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 29: Courtesy Lamps Circuit

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

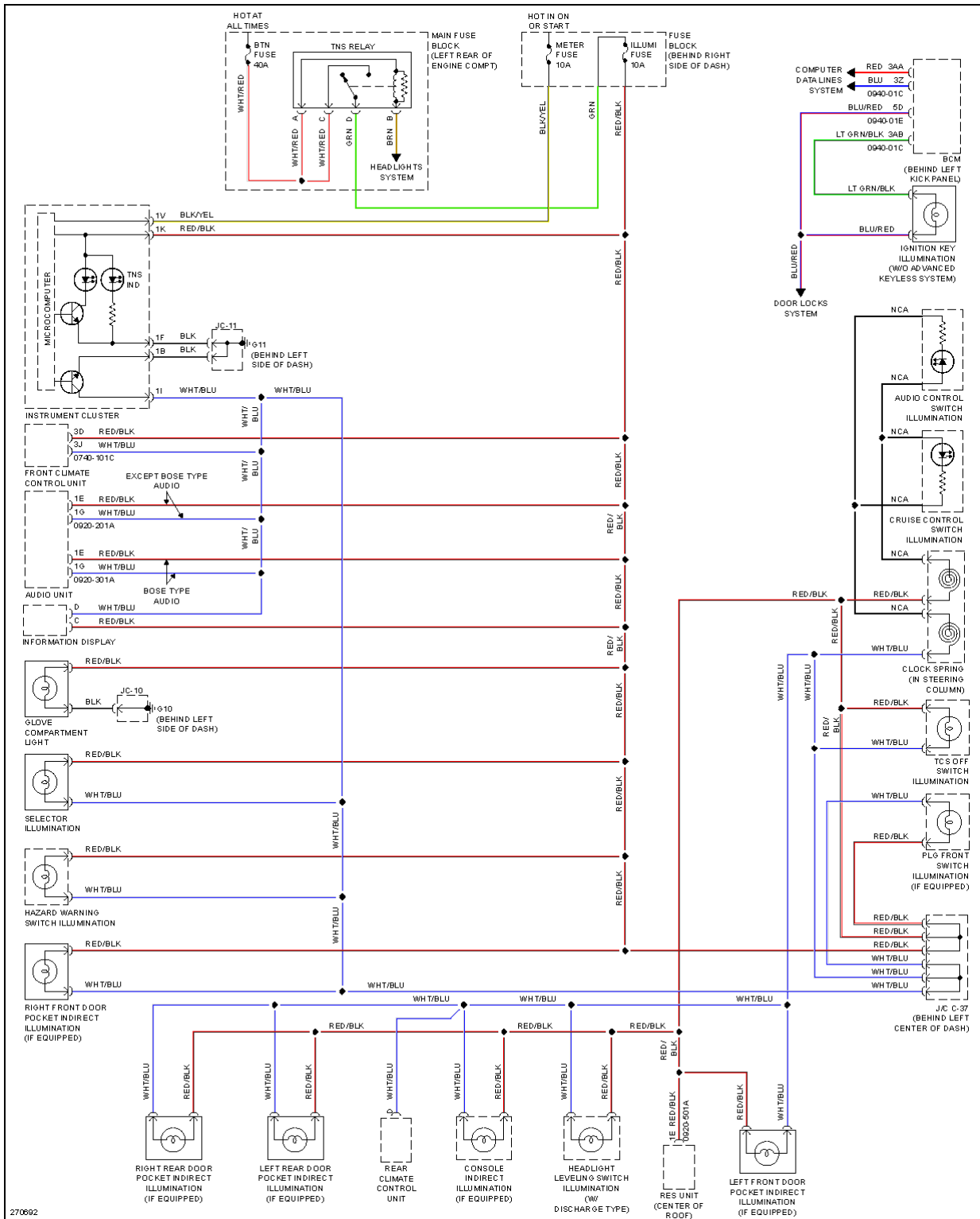
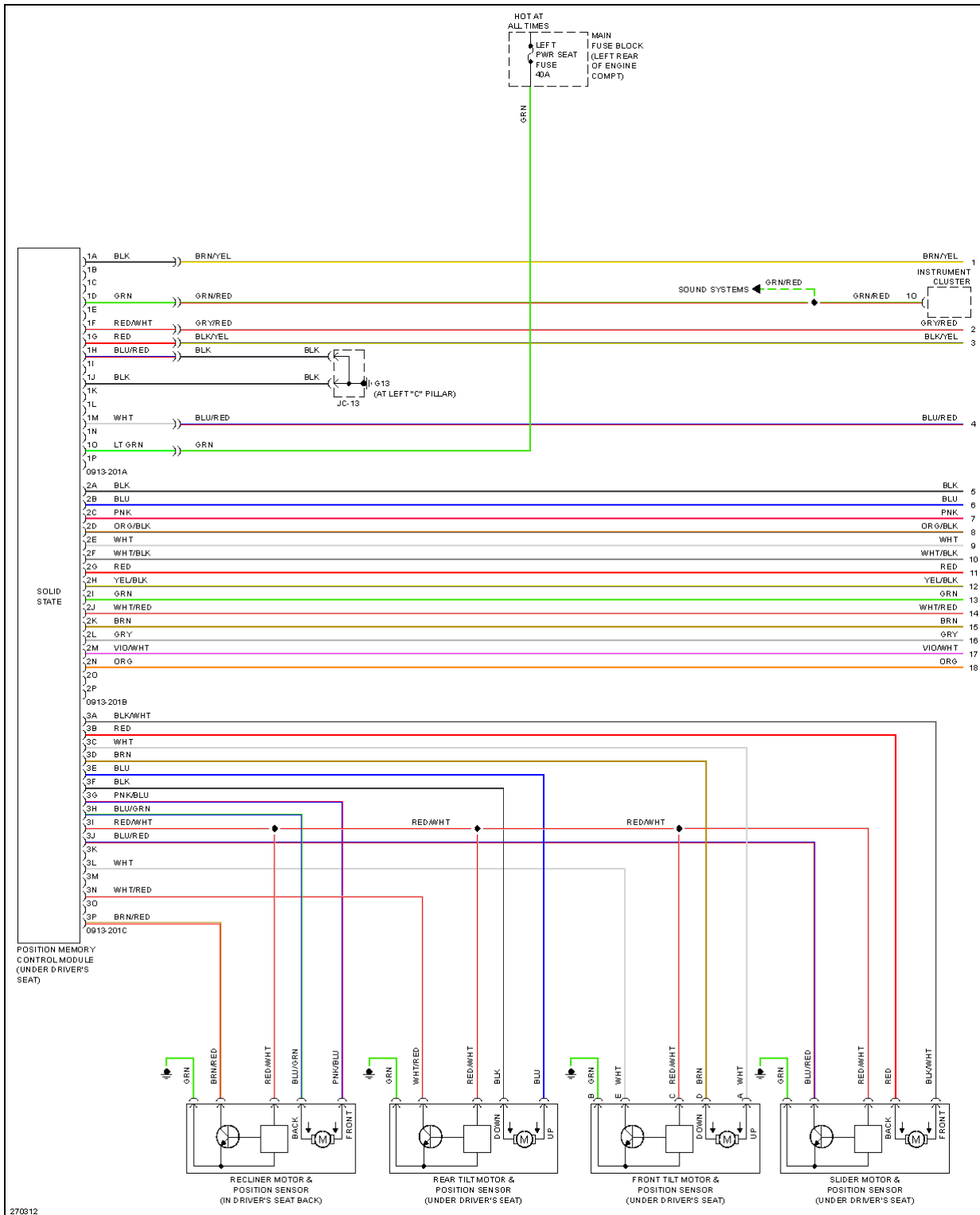


Fig. 30: Instrument Illumination Circuit

MEMORY SYSTEMS

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 31: Driver's Memory Seat Circuit (1 of 2)

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

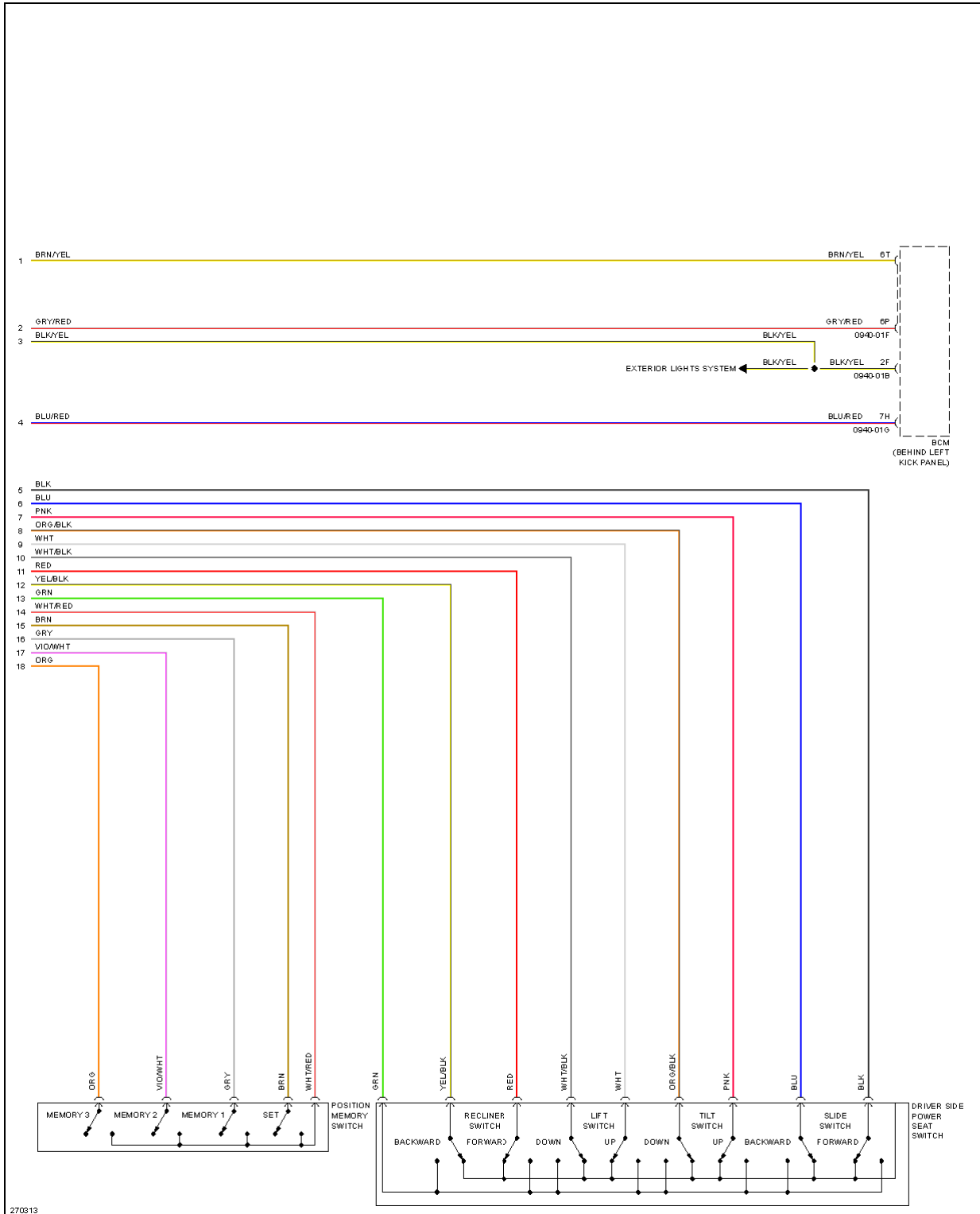


Fig. 32: Driver's Memory Seat Circuit (2 of 2)

NAVIGATION

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

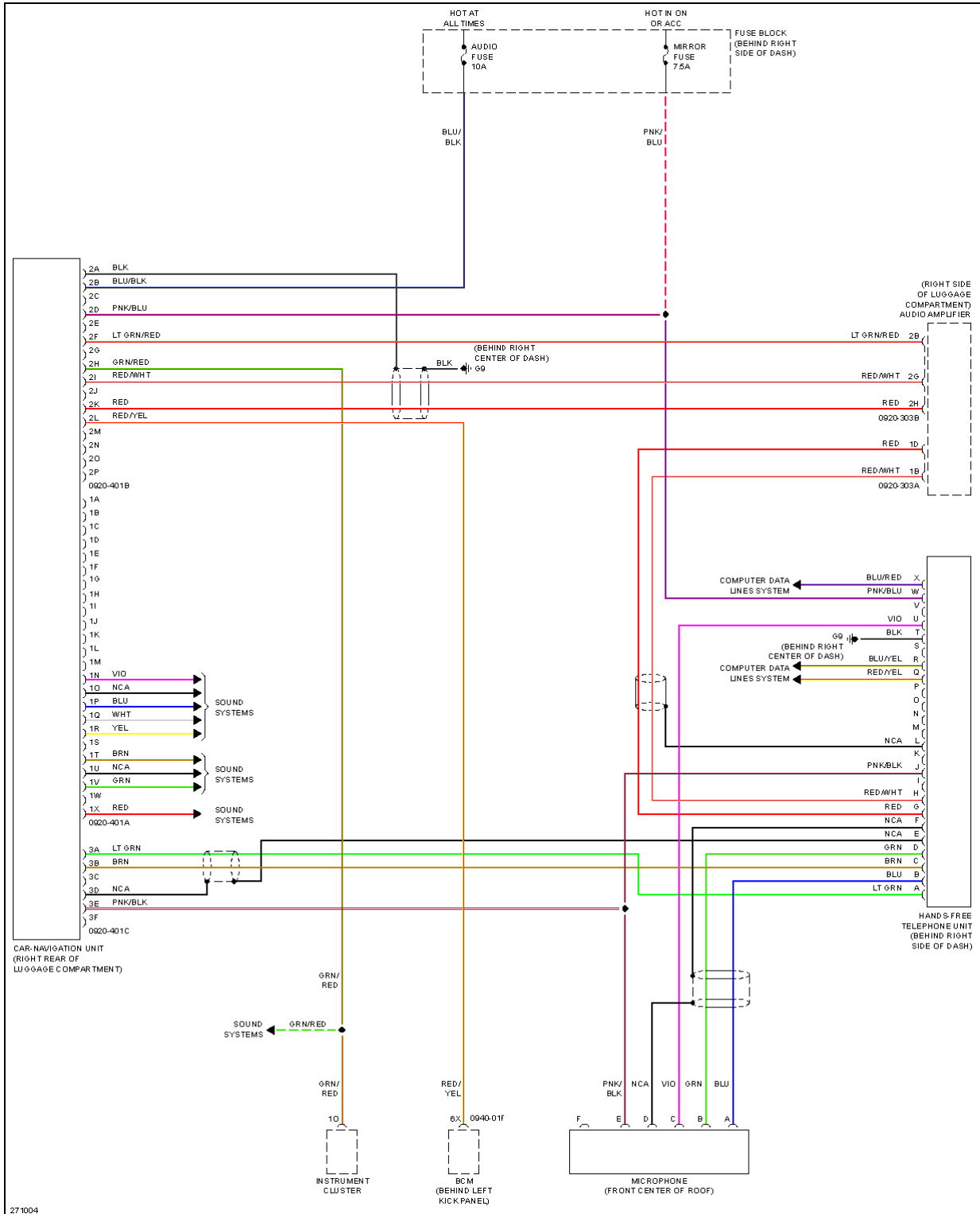
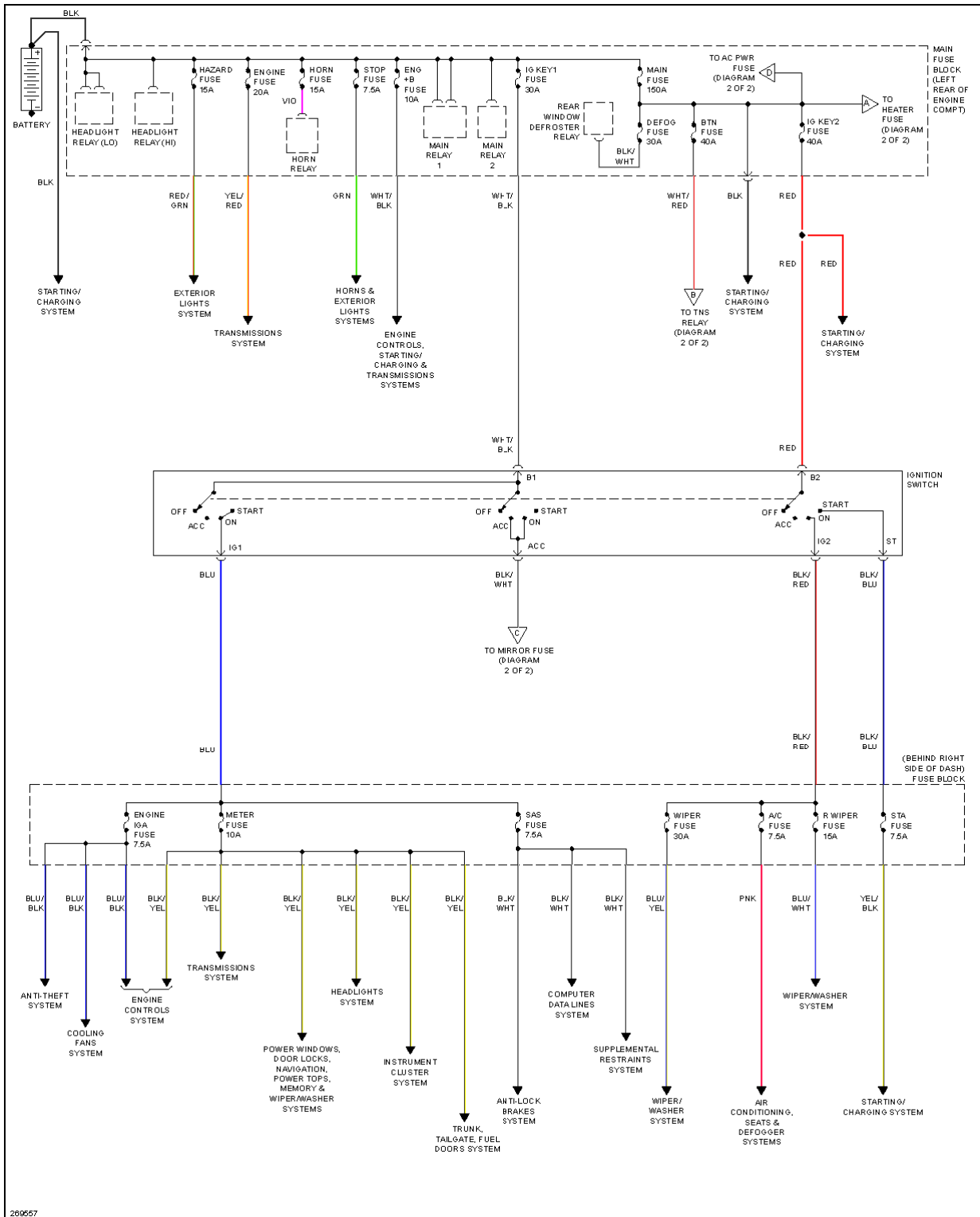


Fig. 33: Navigation Circuit

POWER DISTRIBUTION

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 34: Power Distribution Circuit (1 of 2)

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

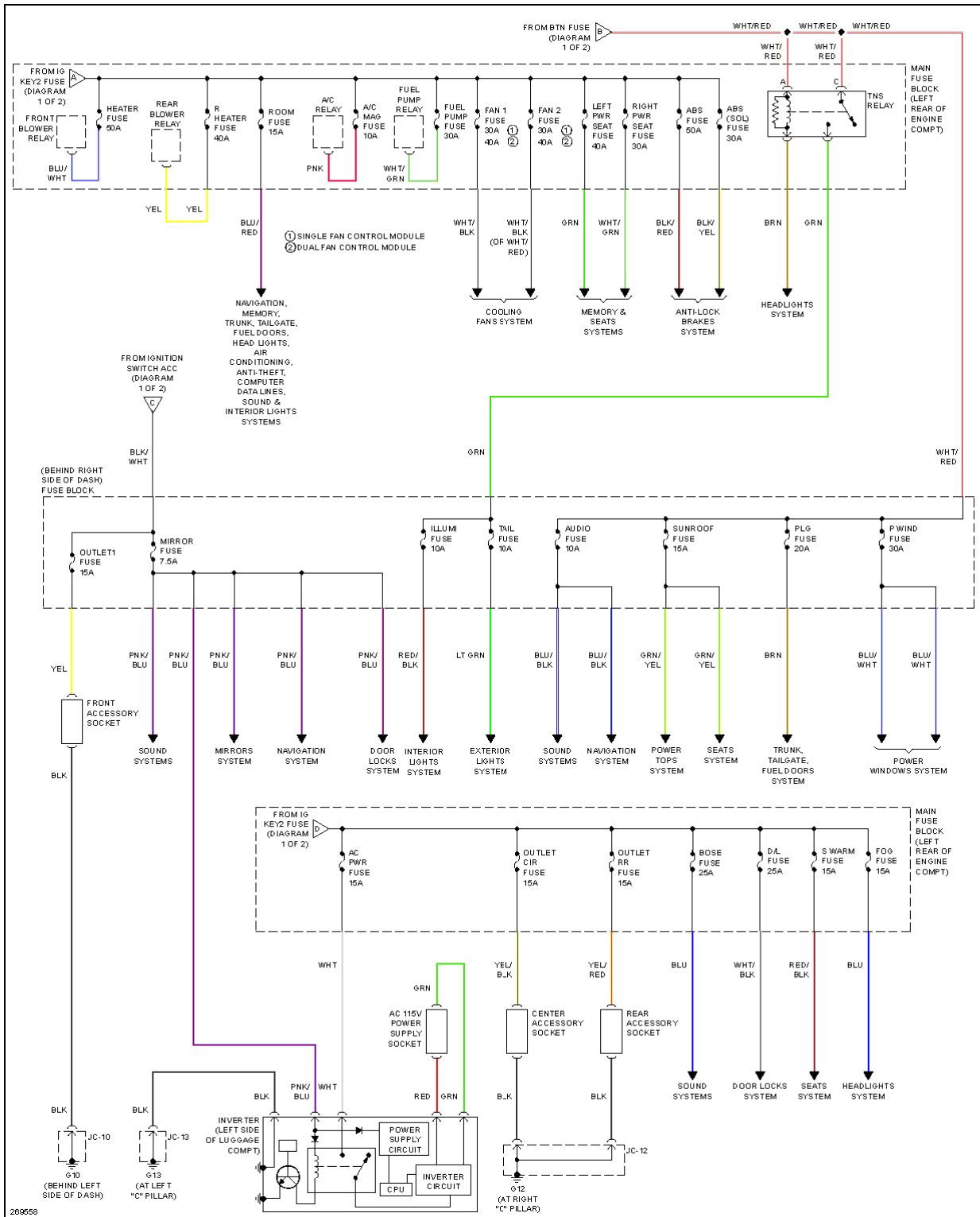


Fig. 35: Power Distribution Circuit (2 of 2)

POWER DOOR LOCKS

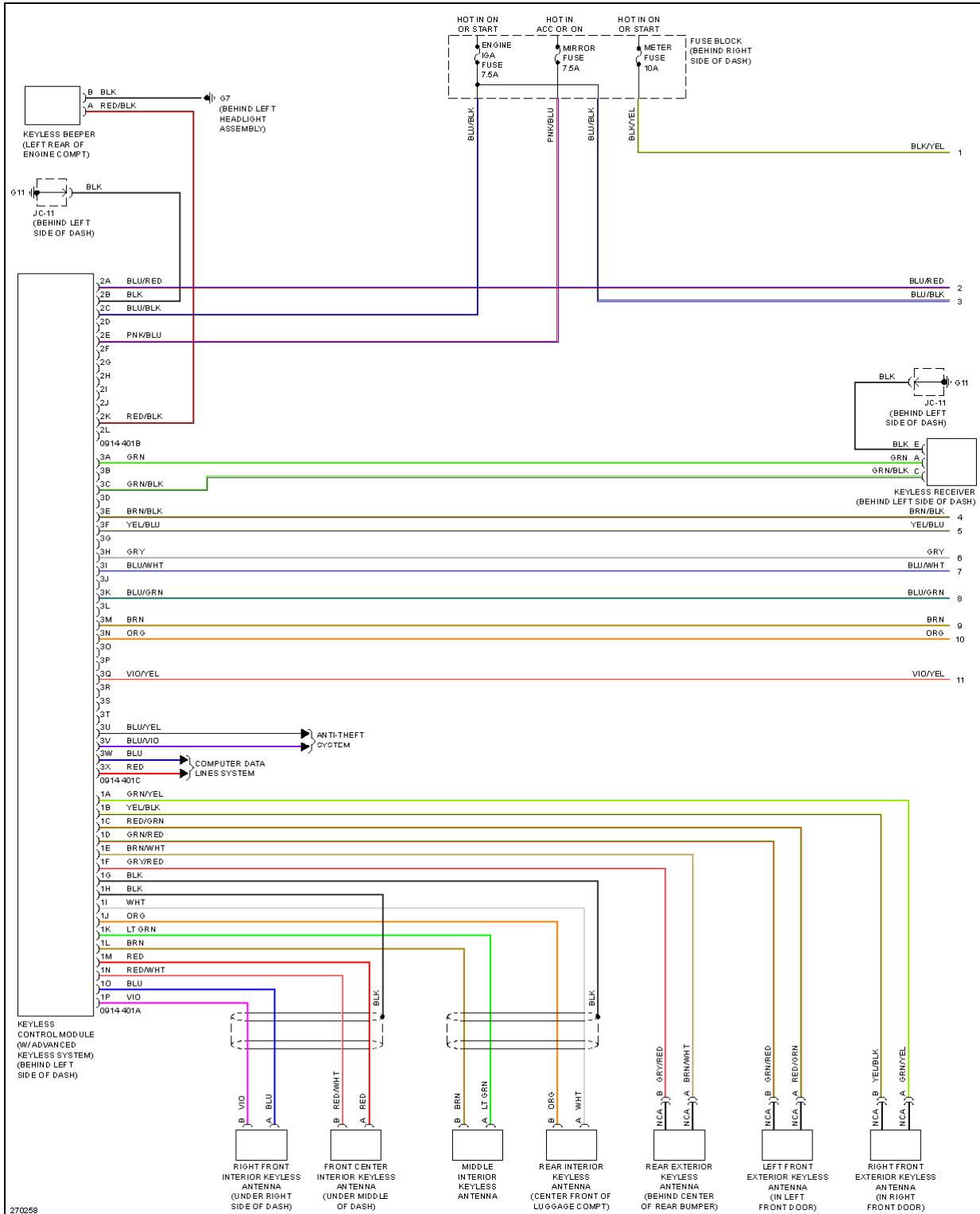
2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 36: Door Lock Circuit

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 37: Keyless Entry Circuit (1 of 2)

Fig. 38: Keyless Entry Circuit (2 of 2)

POWER MIRRORS

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

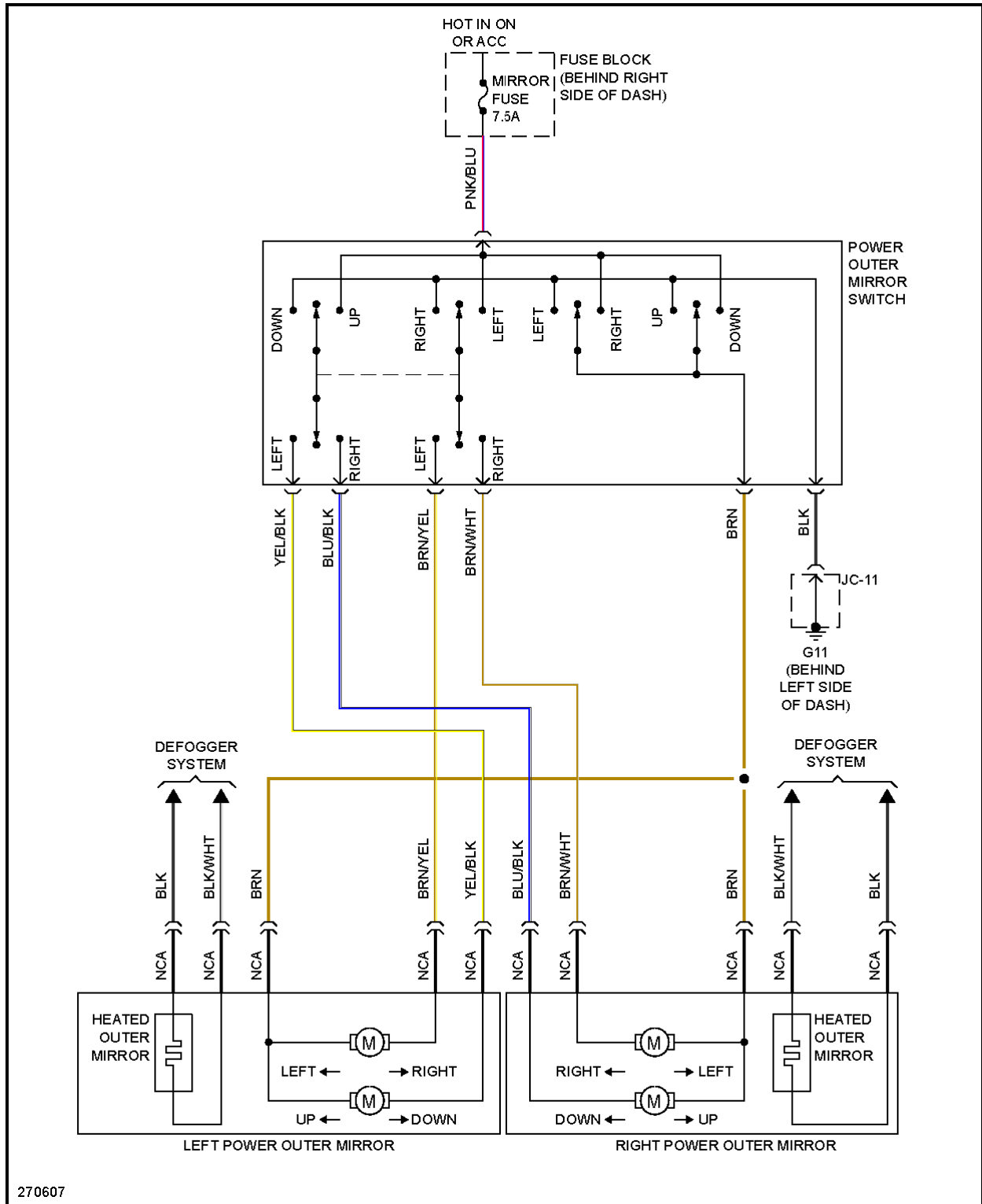
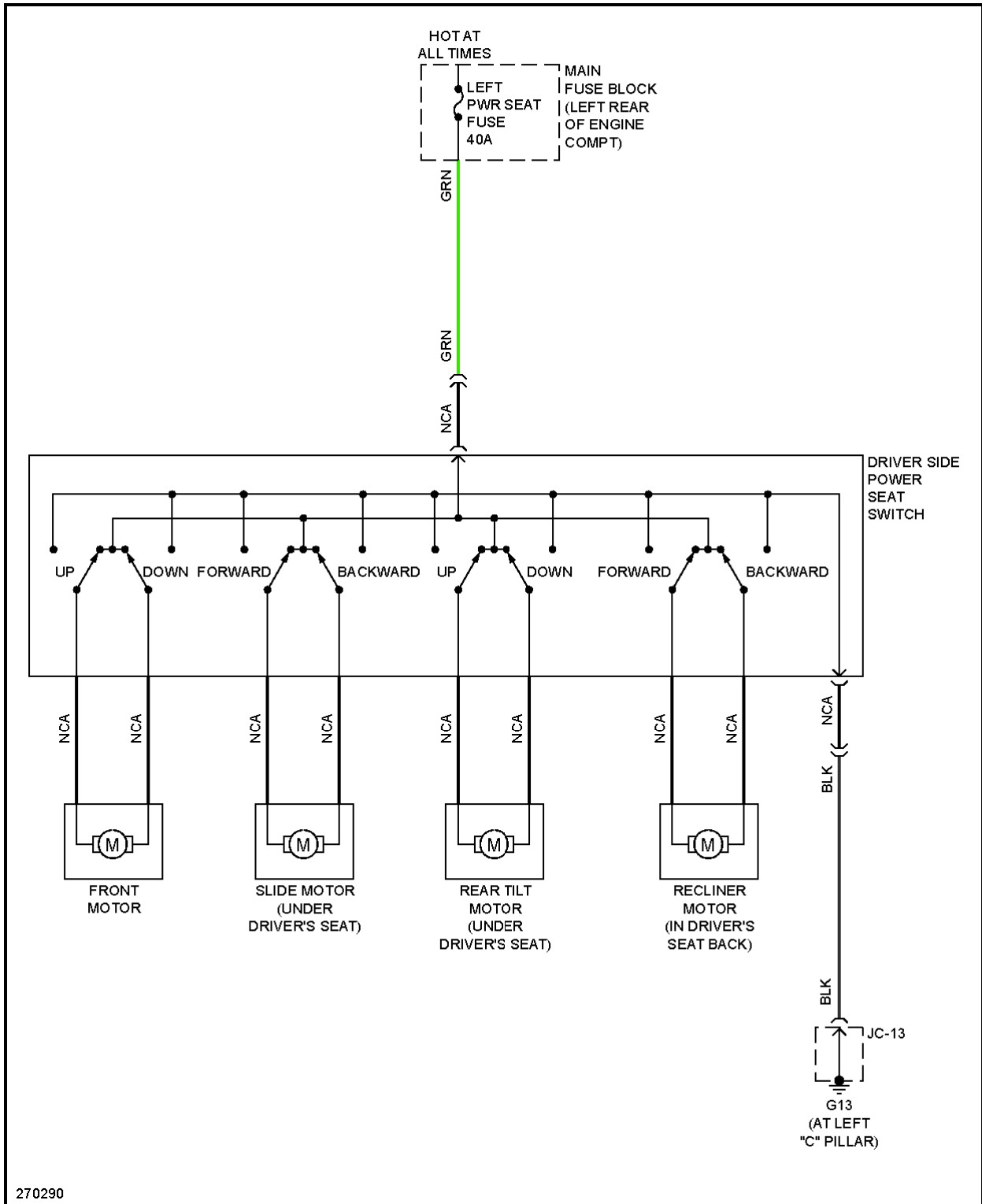


Fig. 39: Power Mirrors Circuit

POWER SEATS

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



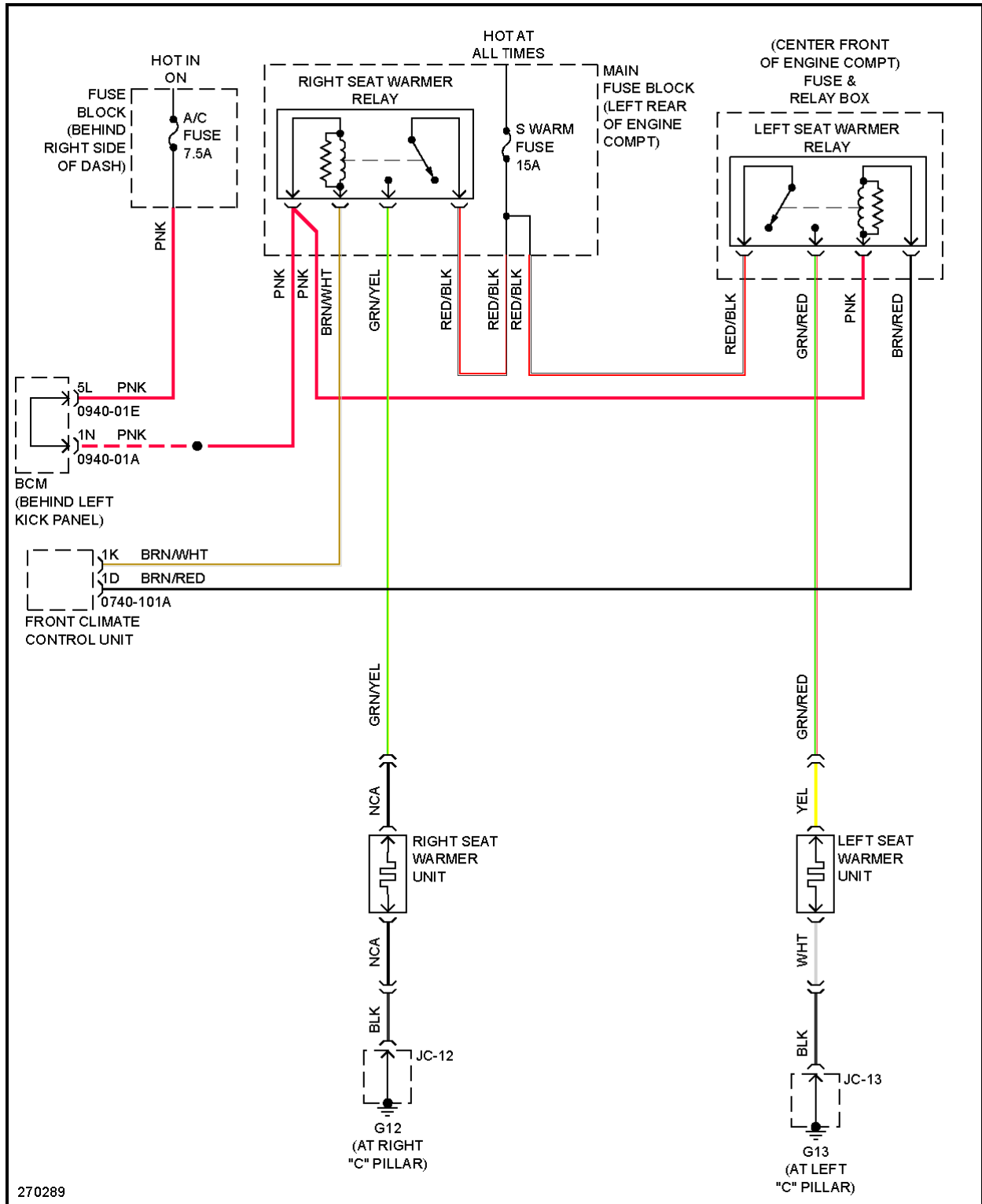
2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 40: Driver Power Seat Circuit

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



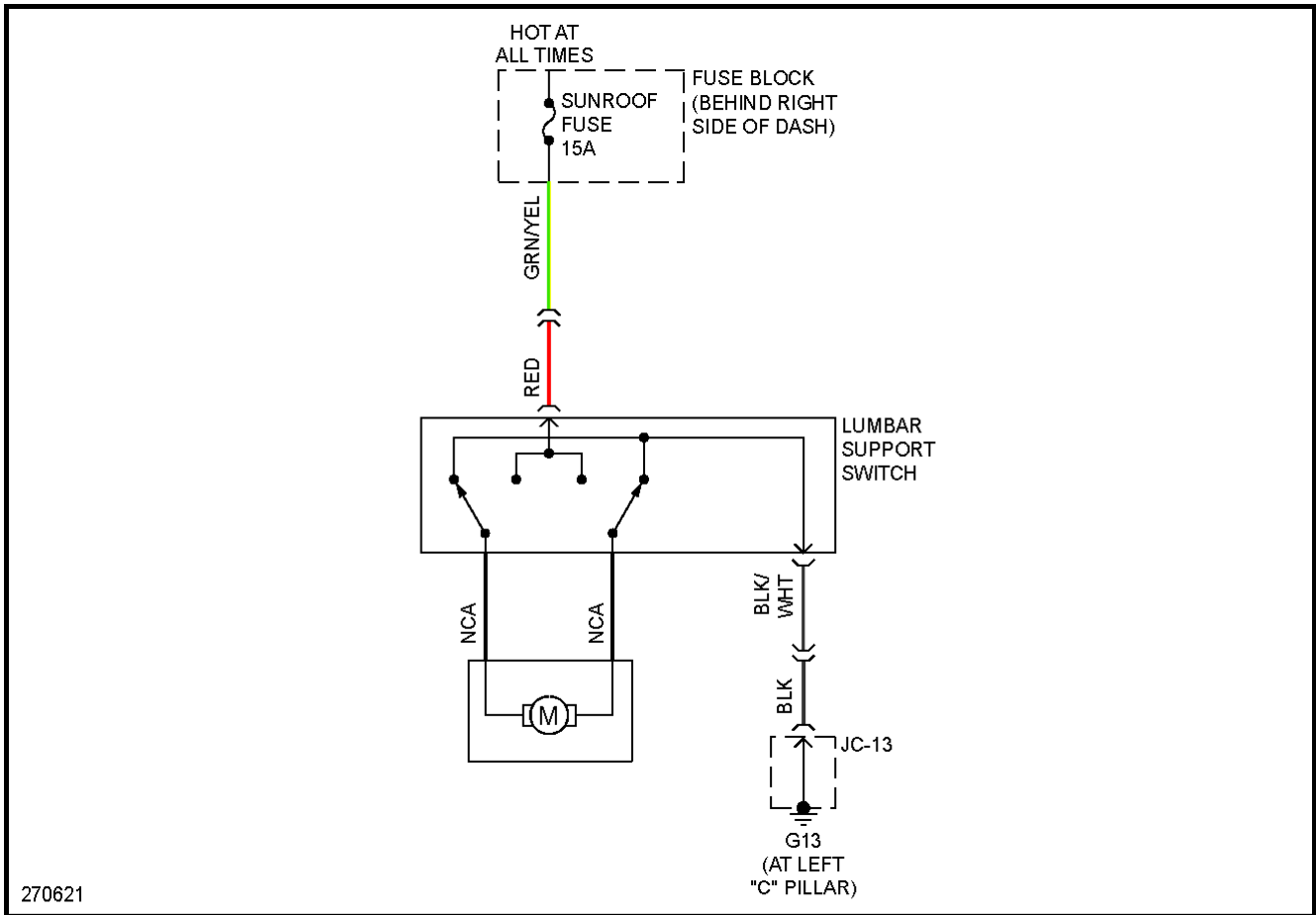
2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 41: Heated Seats Circuit

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2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 42: Lumbar Circuit

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

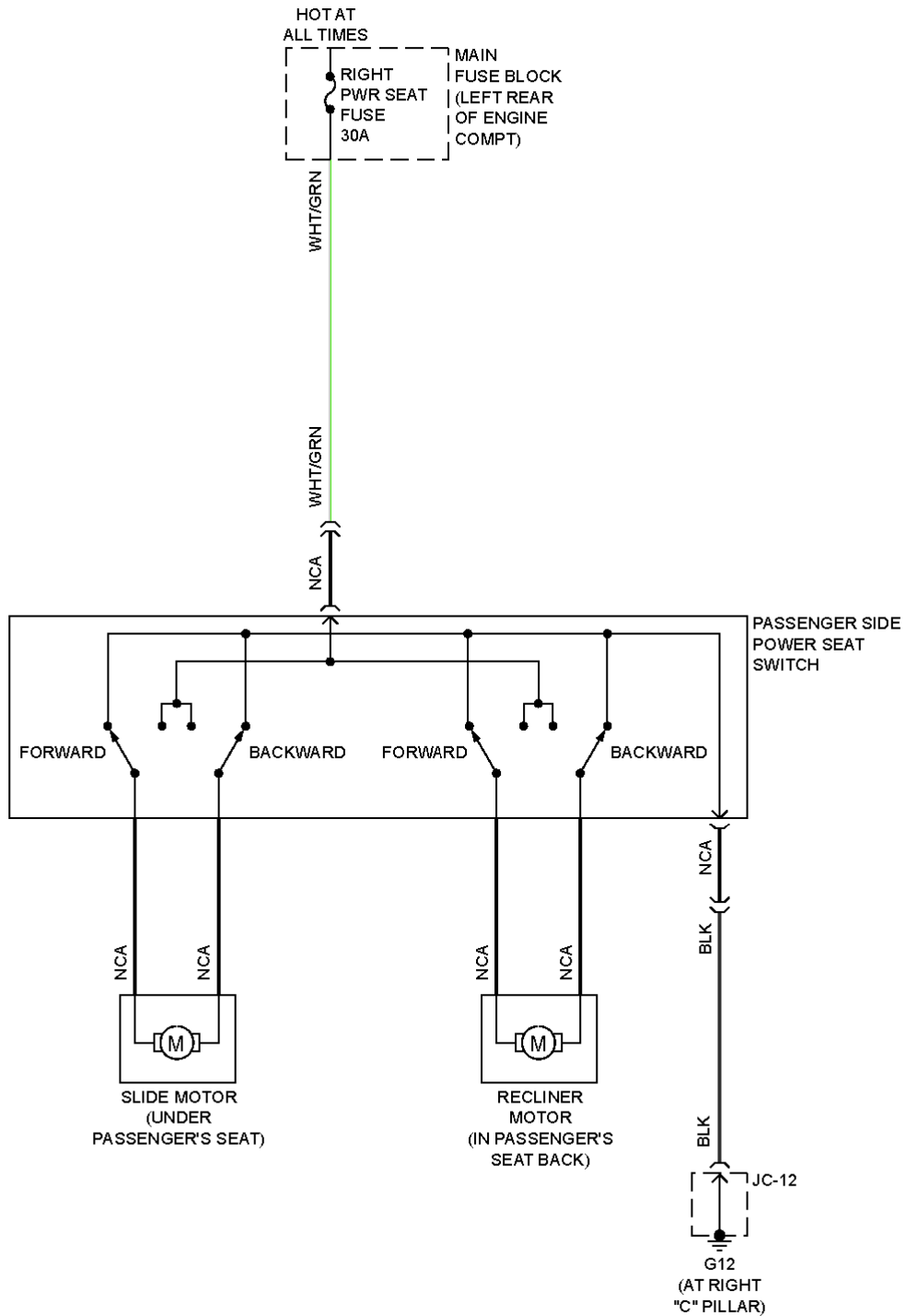


Fig. 43: Passenger Power Seat Circuit

POWER TOP/SUNROOF

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

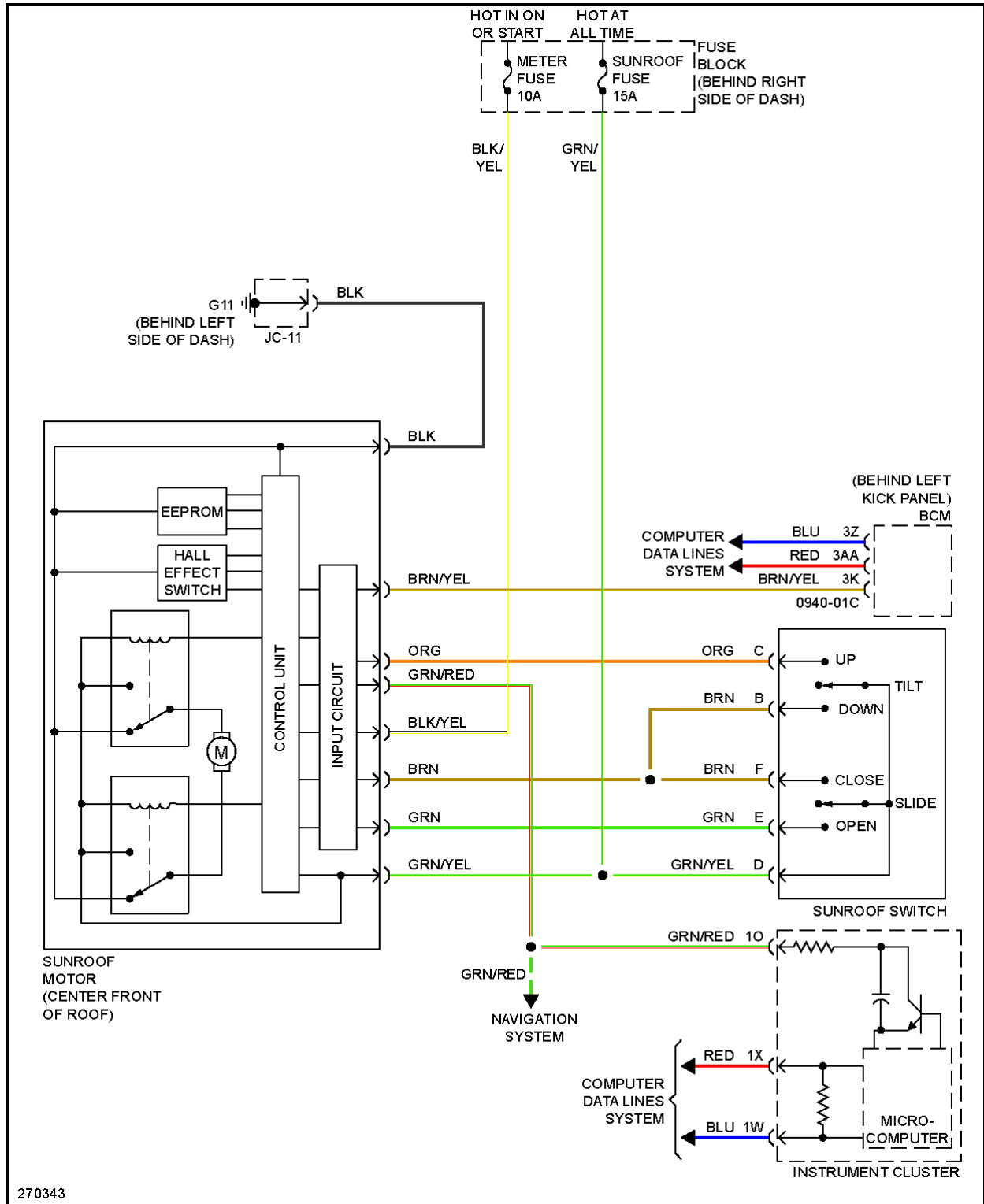
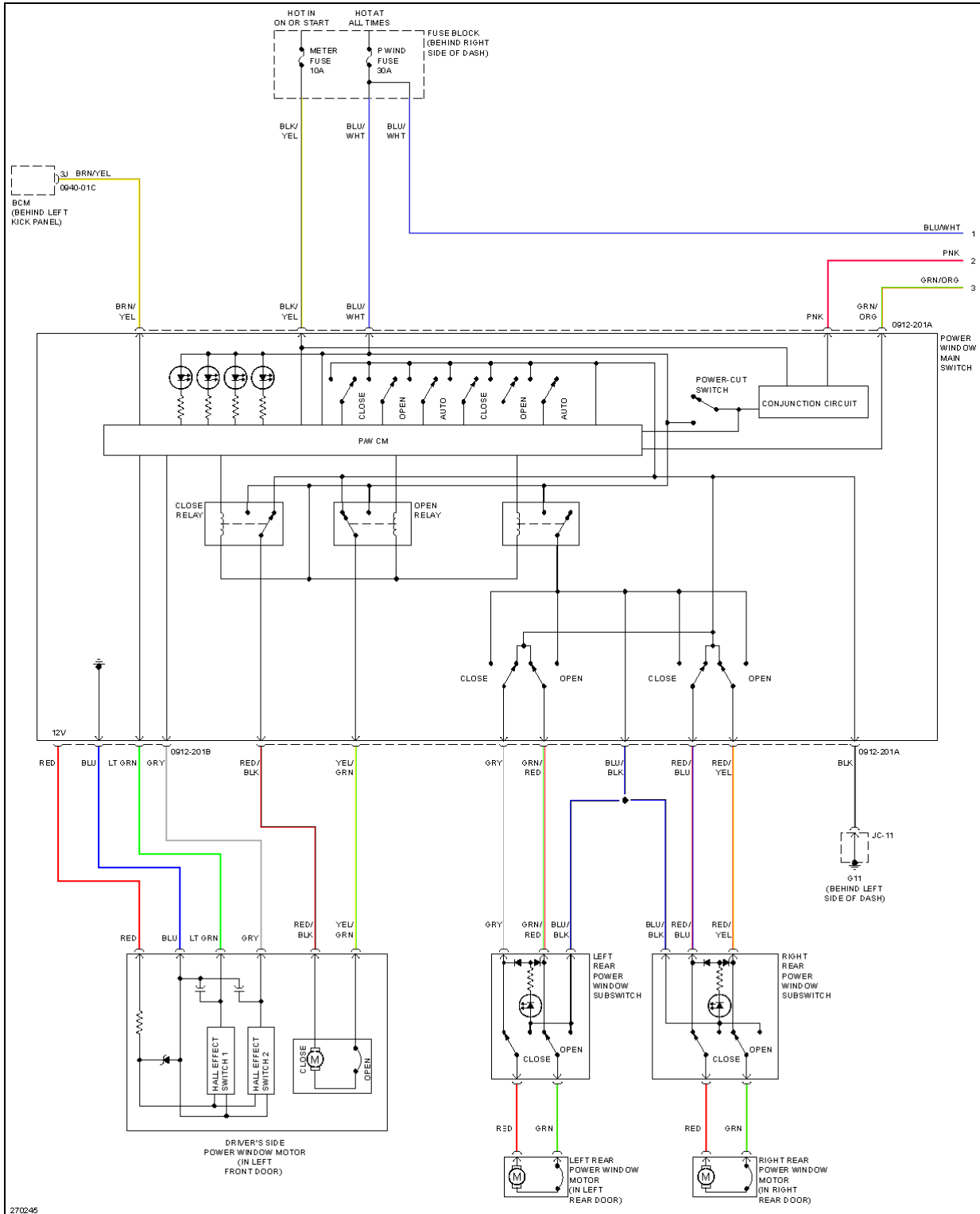


Fig. 44: Power Top/Sunroof Circuit

POWER WINDOWS

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 45: Power Windows Circuit (1 of 2)

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

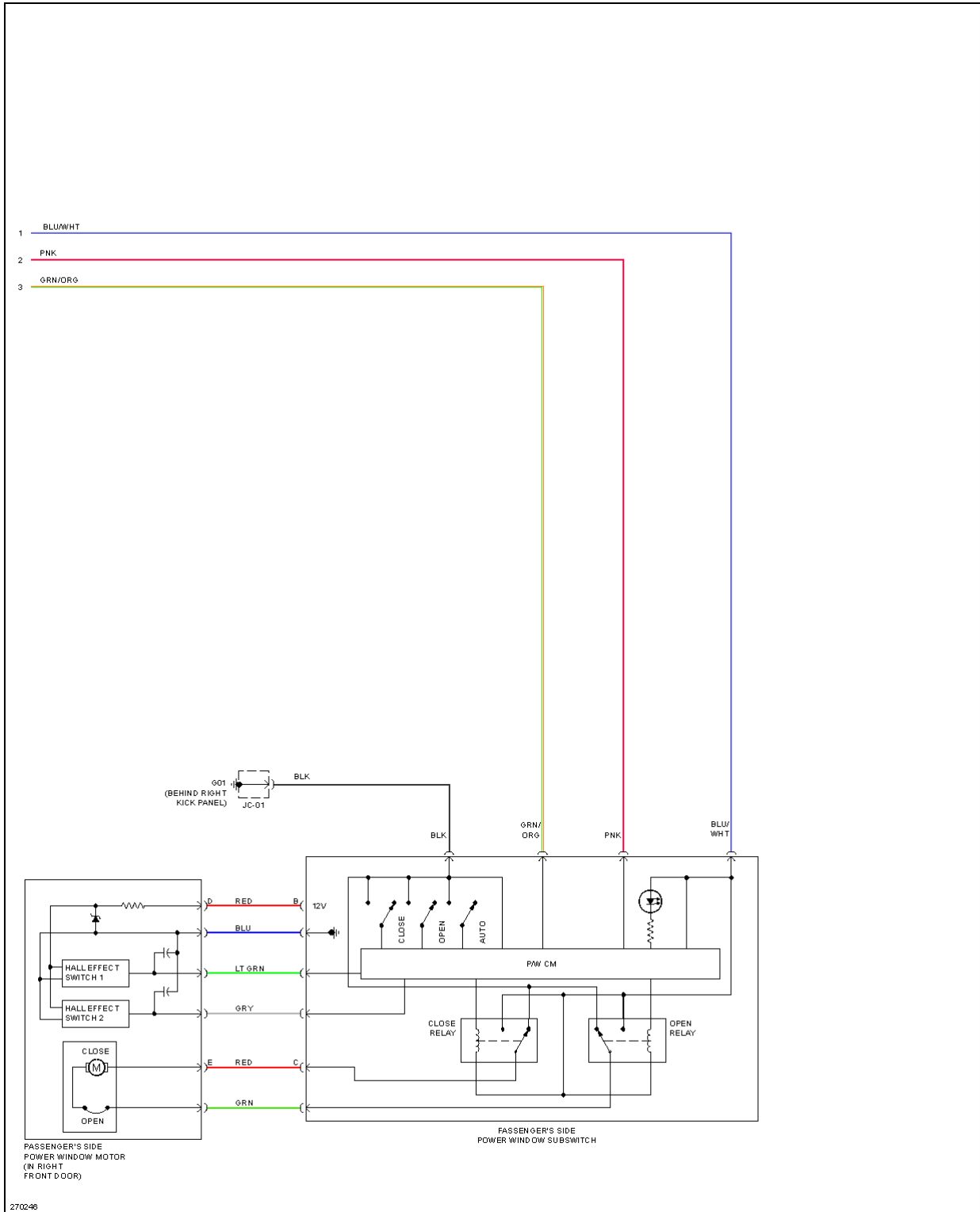
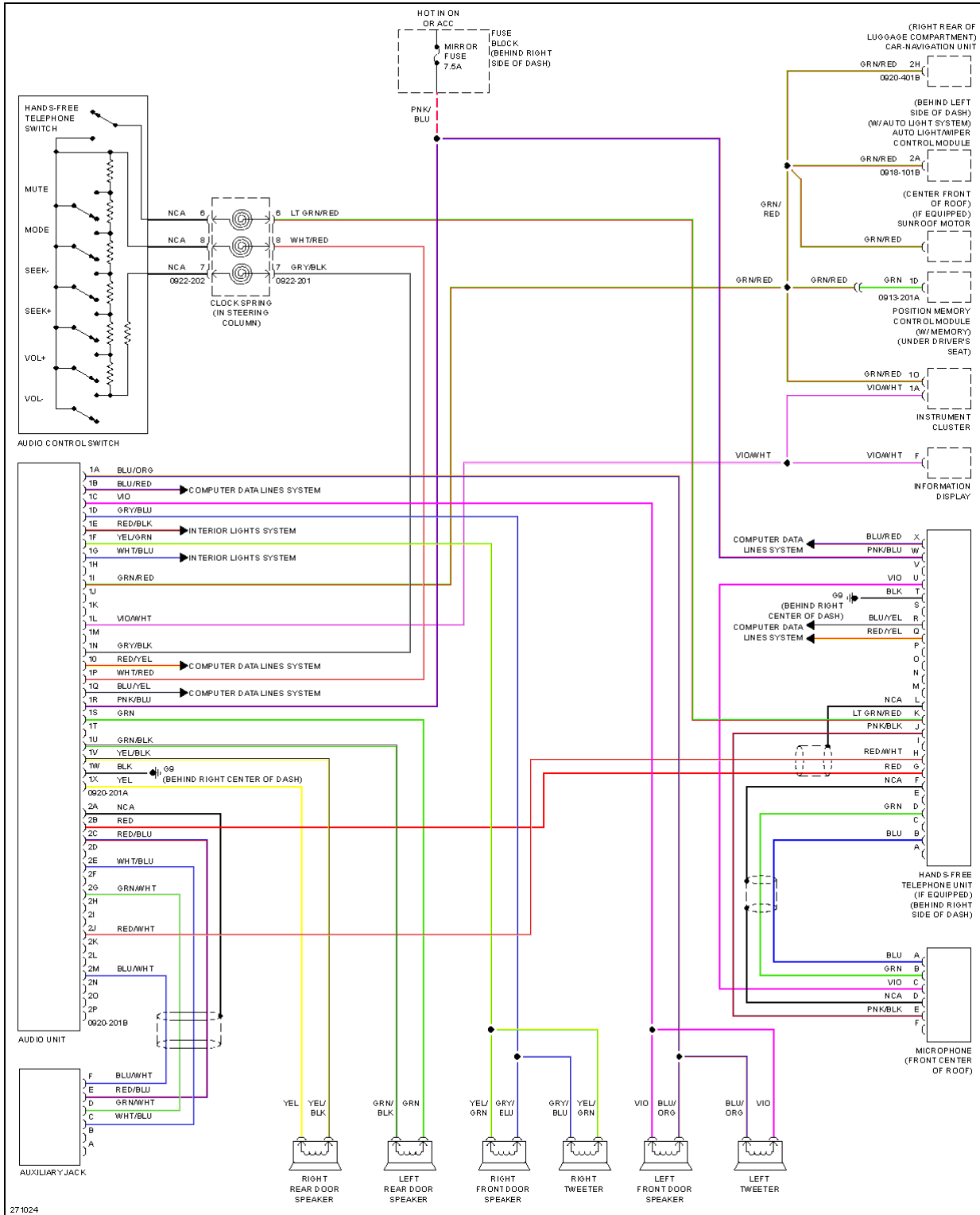


Fig. 46: Power Windows Circuit (2 of 2)

RADIO

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



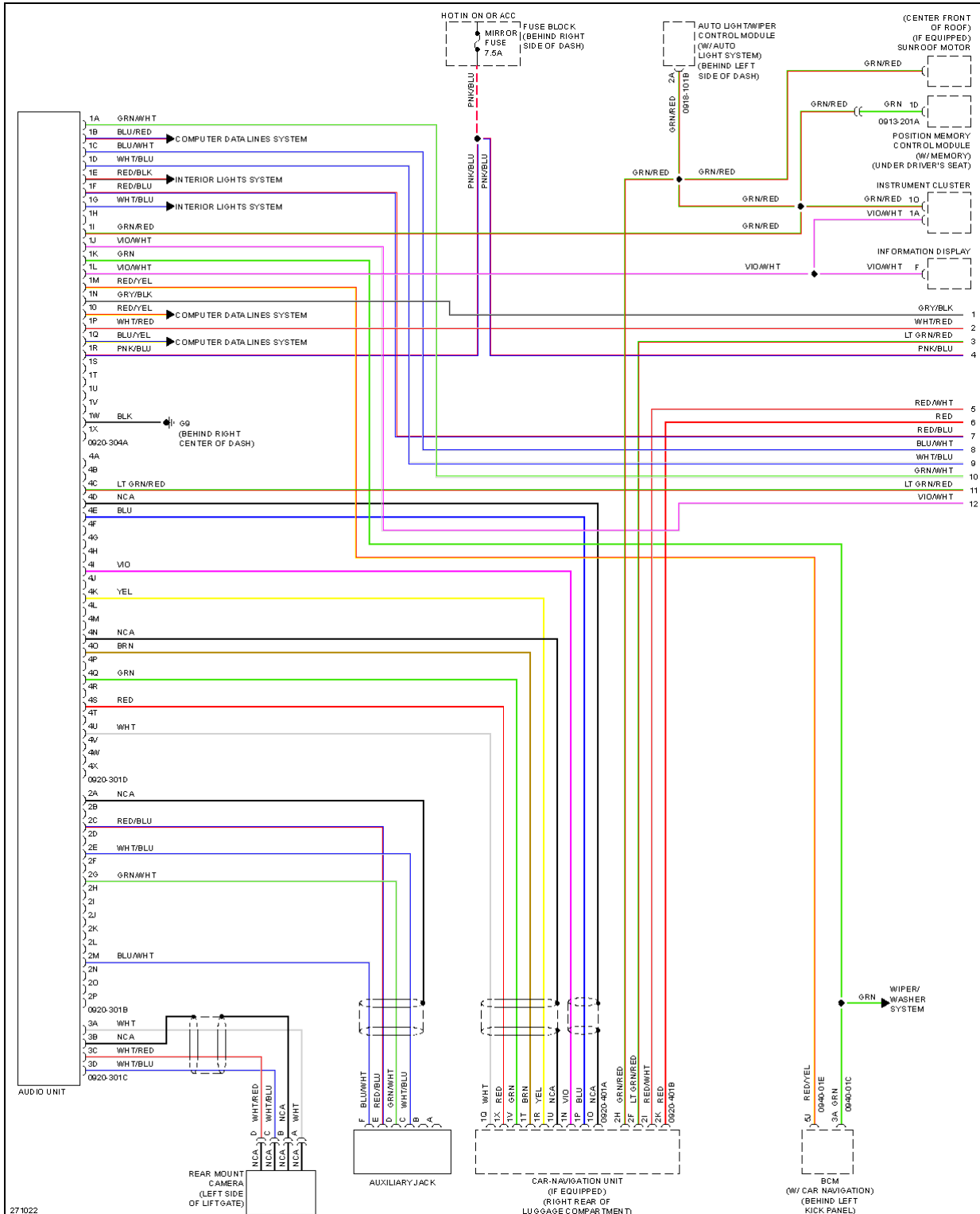
2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 47: Radio Circuit, W/ Base Radio

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



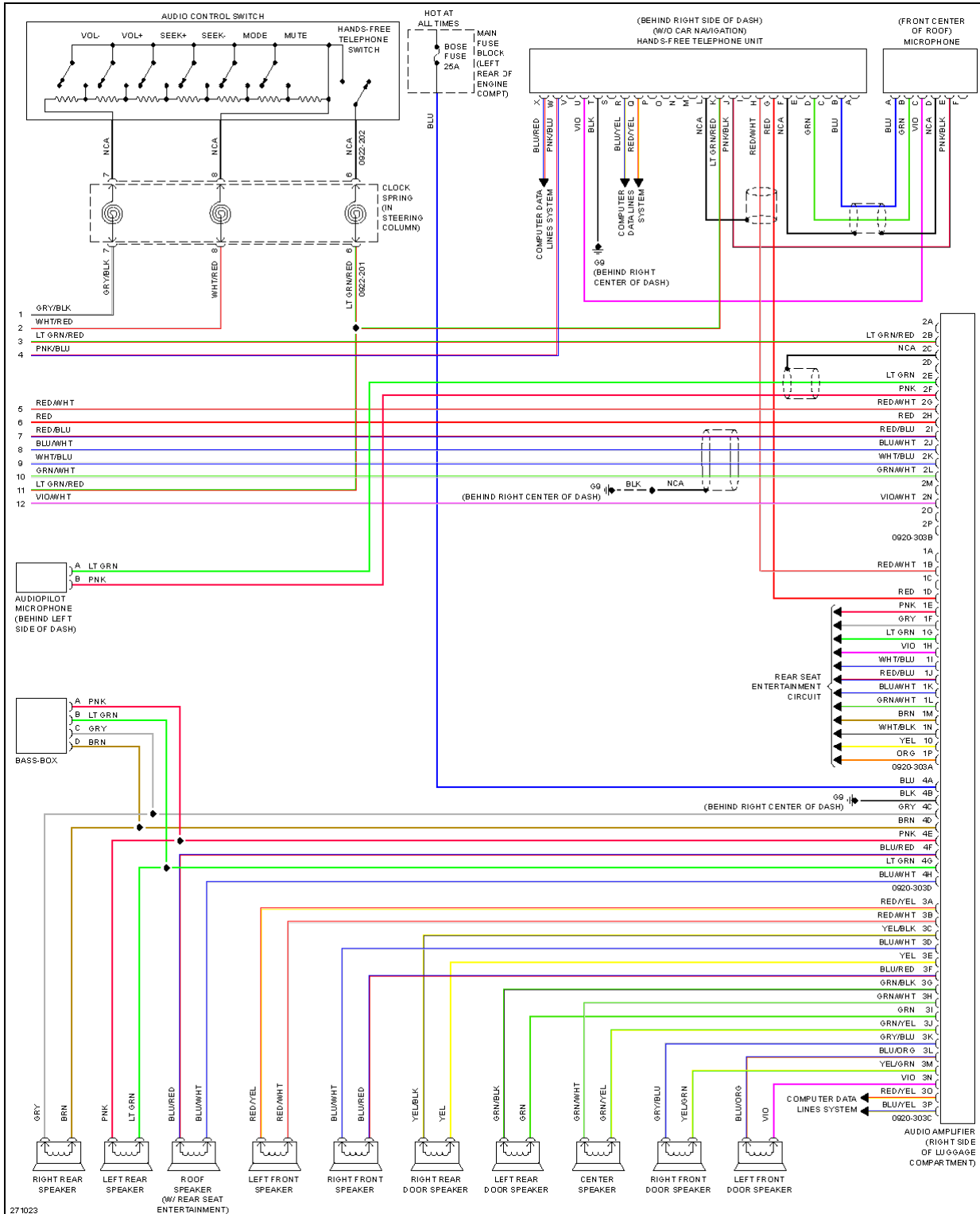
2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 48: Radio Circuit, W/ Bose (1 of 2)

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 49: Radio Circuit, W/ Bose (2 of 2)

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

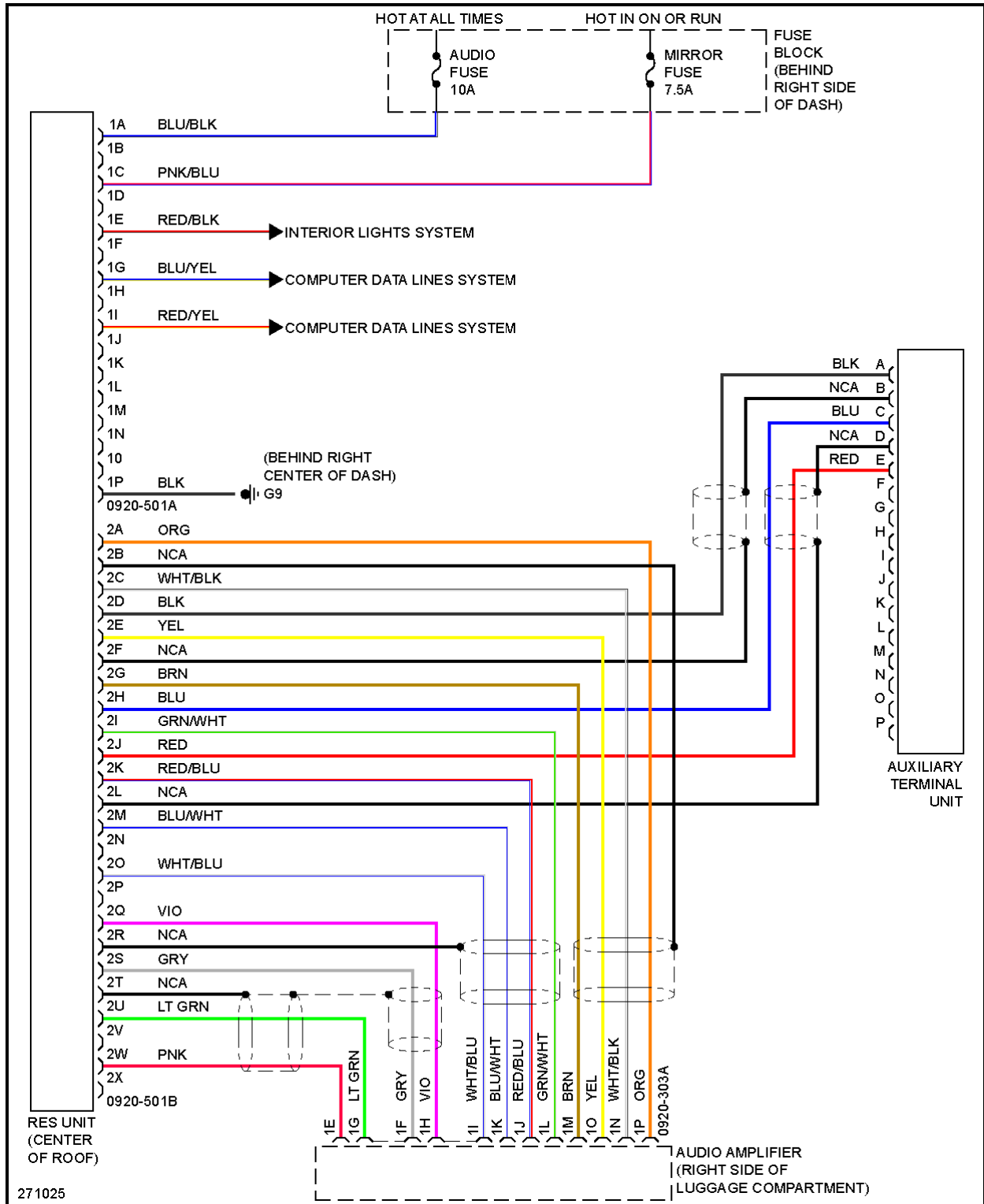
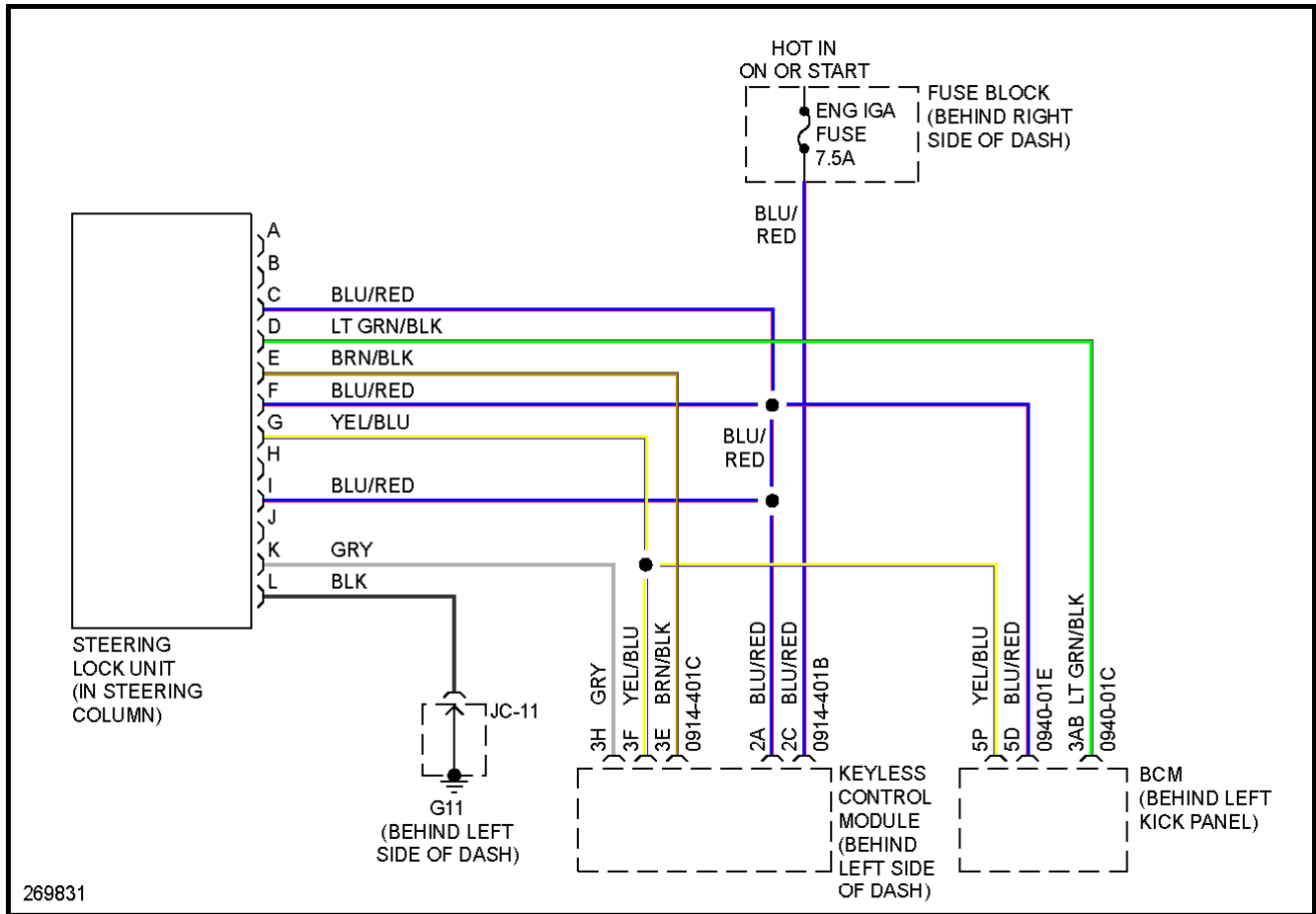


Fig. 50: Rear Seat Entertainment Circuit

SHIFT INTERLOCK

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



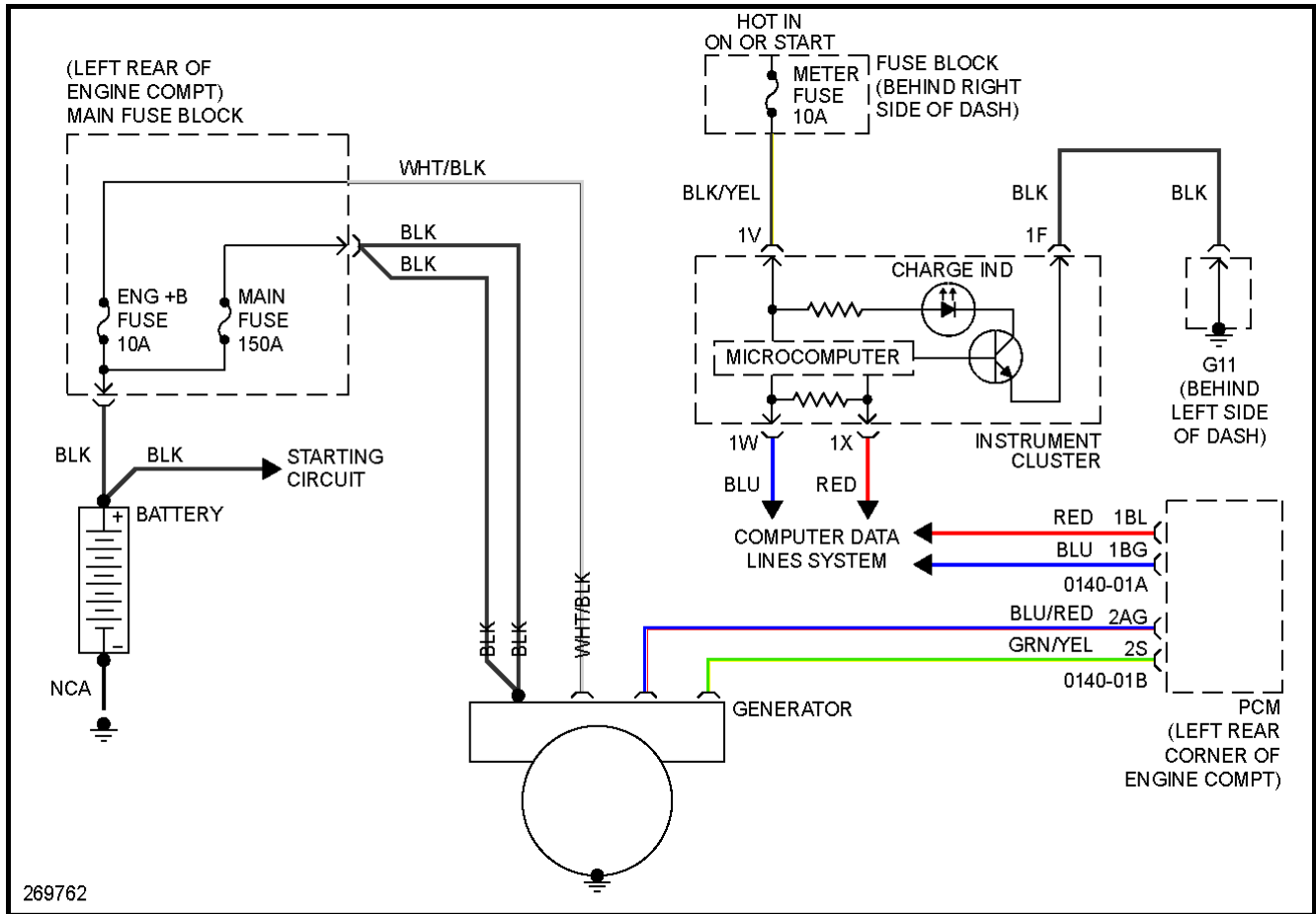
269831

Fig. 51: Shift Interlock Circuit

STARTING/CHARGING

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 52: Charging Circuit

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

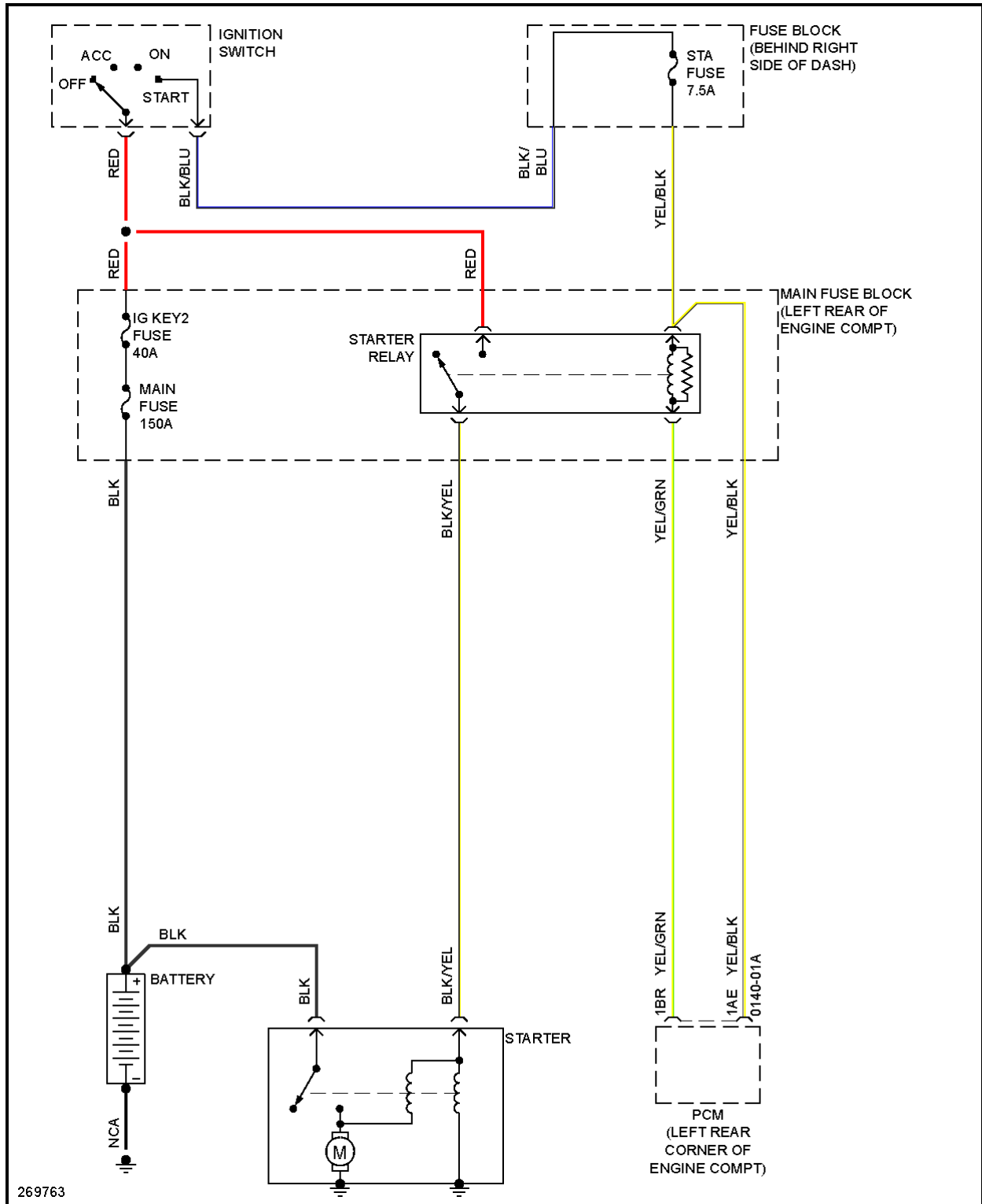
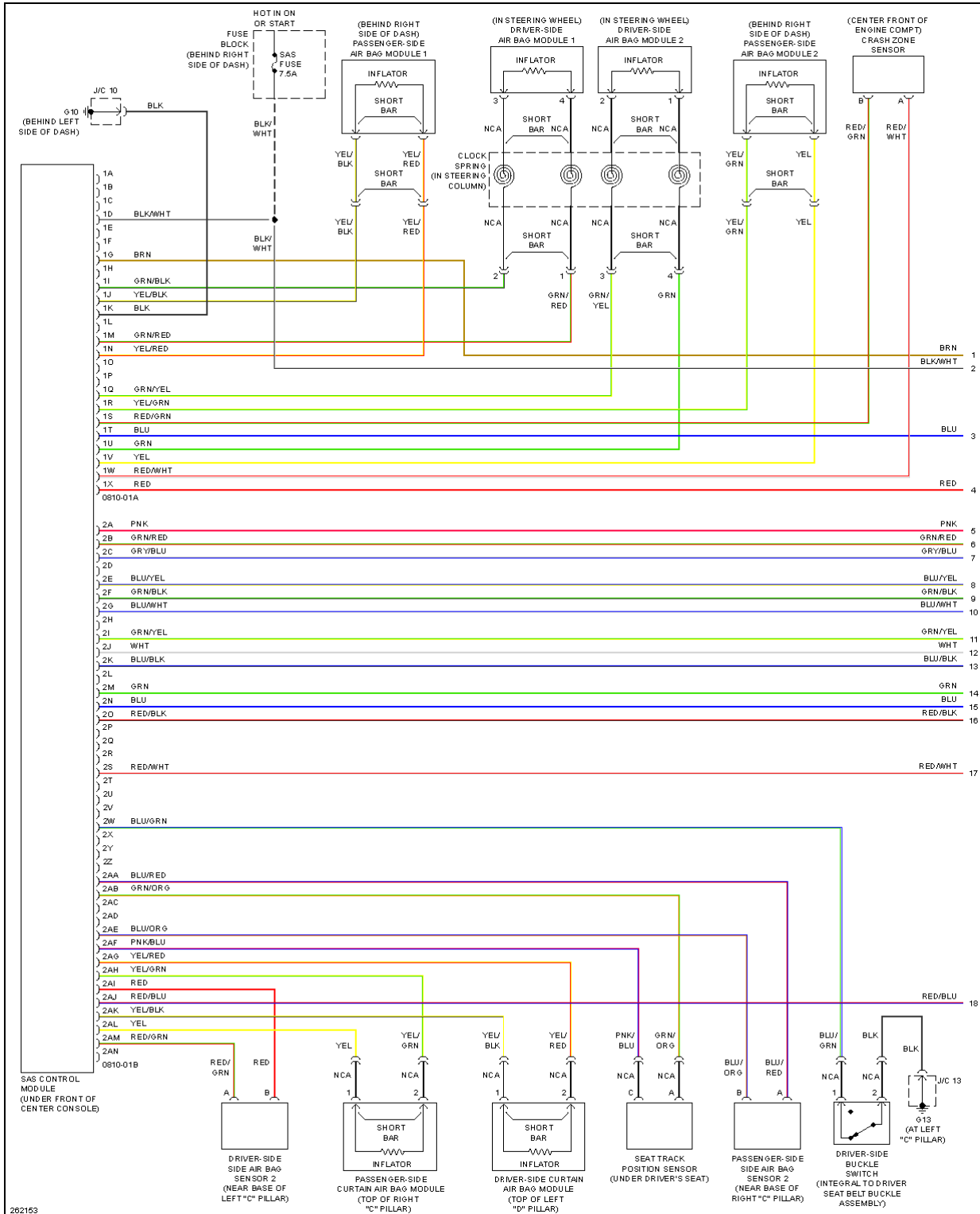


Fig. 53: Starting Circuit

SUPPLEMENTAL RESTRAINTS

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 54: Supplemental Restraints Circuit (1 of 2)

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

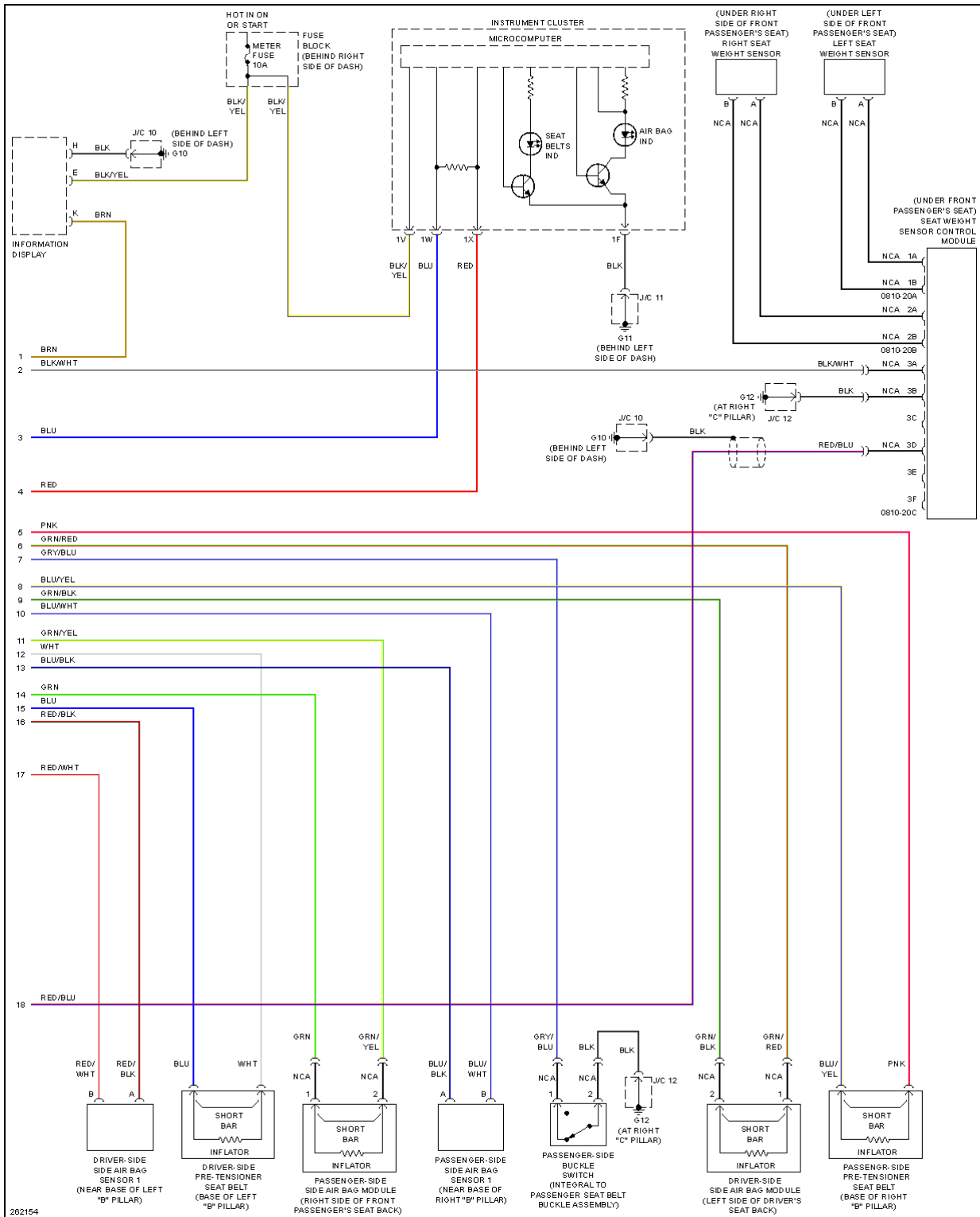
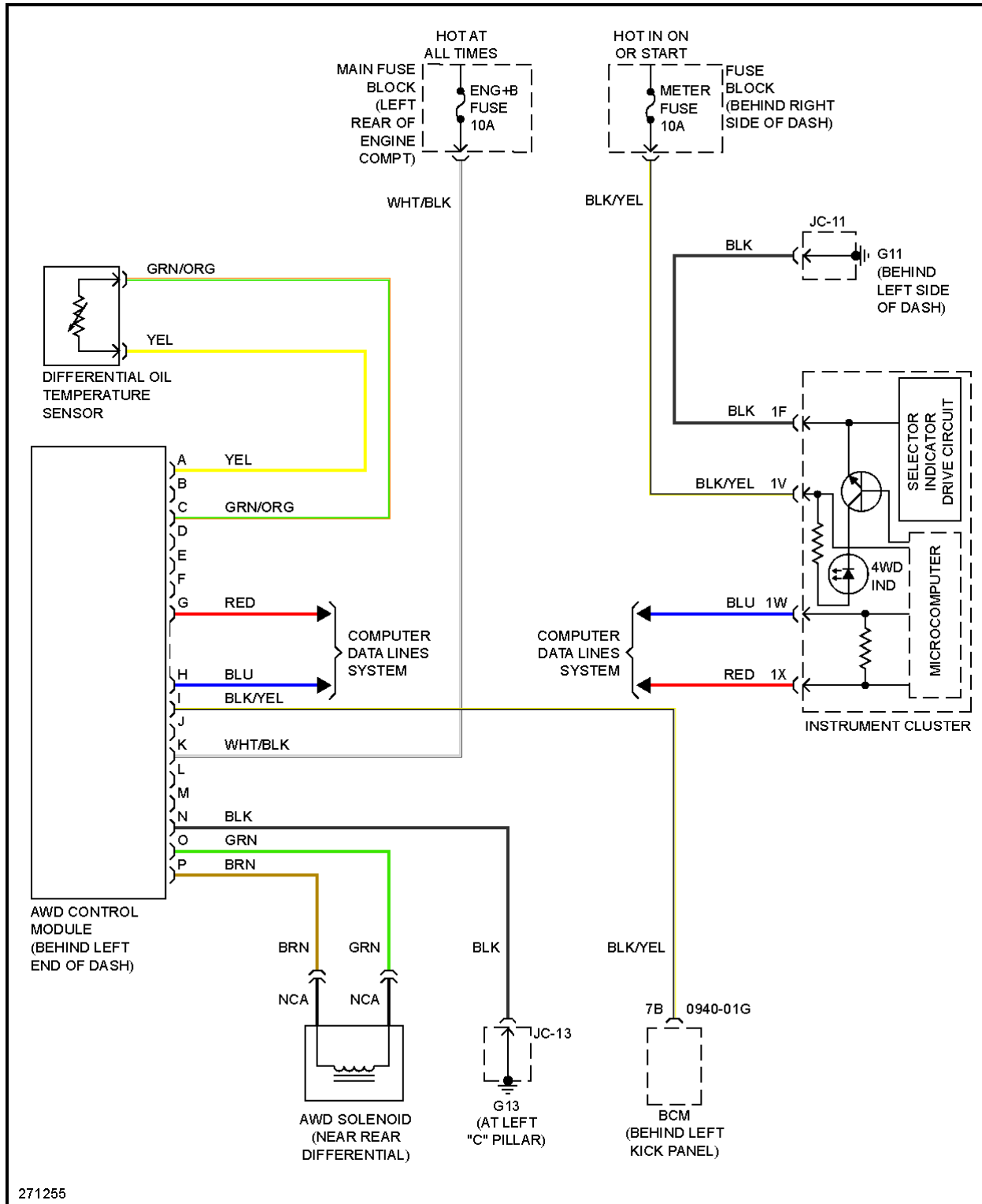


Fig. 55: Supplemental Restraints Circuit (2 of 2)

TRANSMISSION

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9



2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 56: 4WD Circuit

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

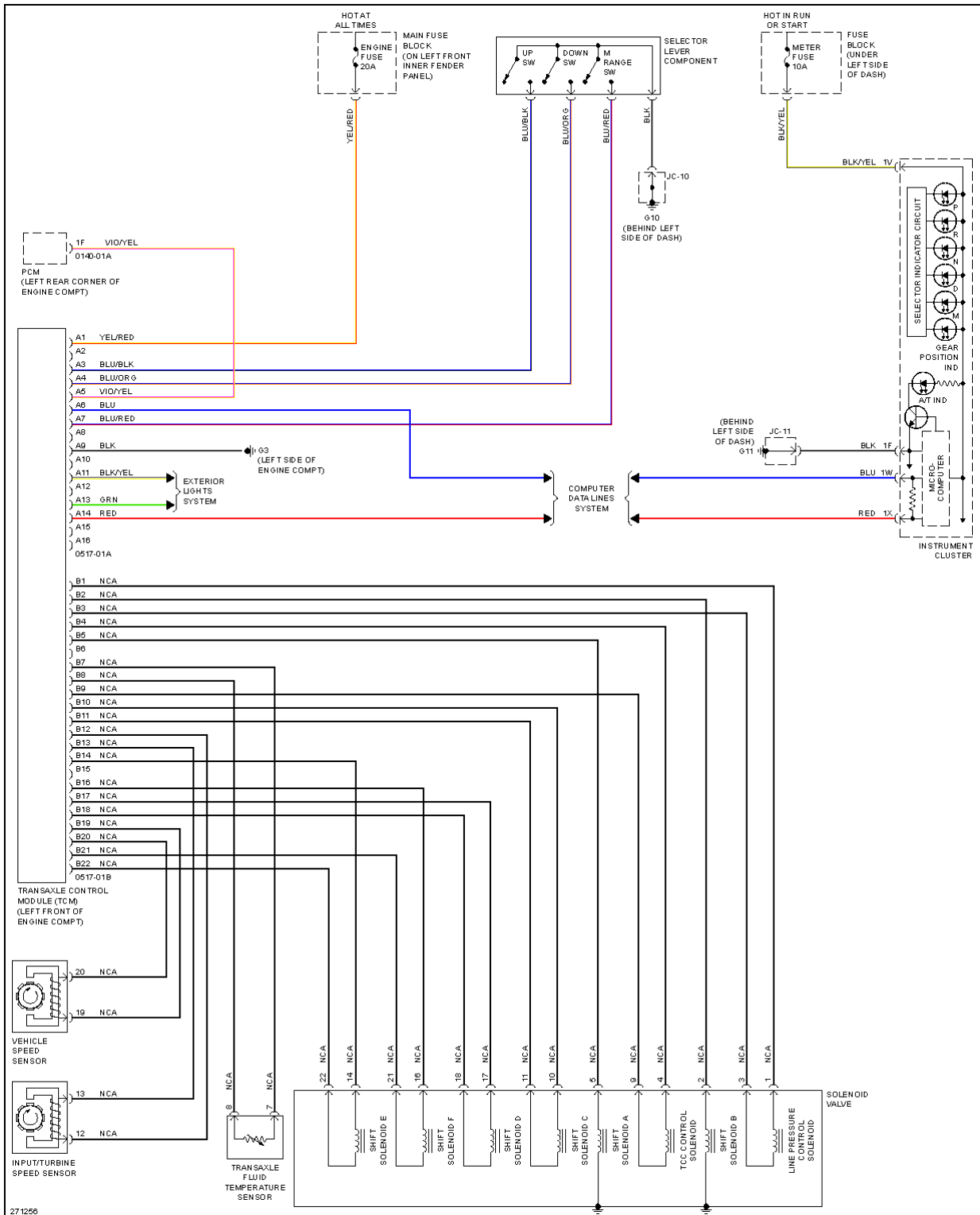


Fig. 57: A/T Circuit

TRUNK, TAILGATE, FUEL DOOR

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

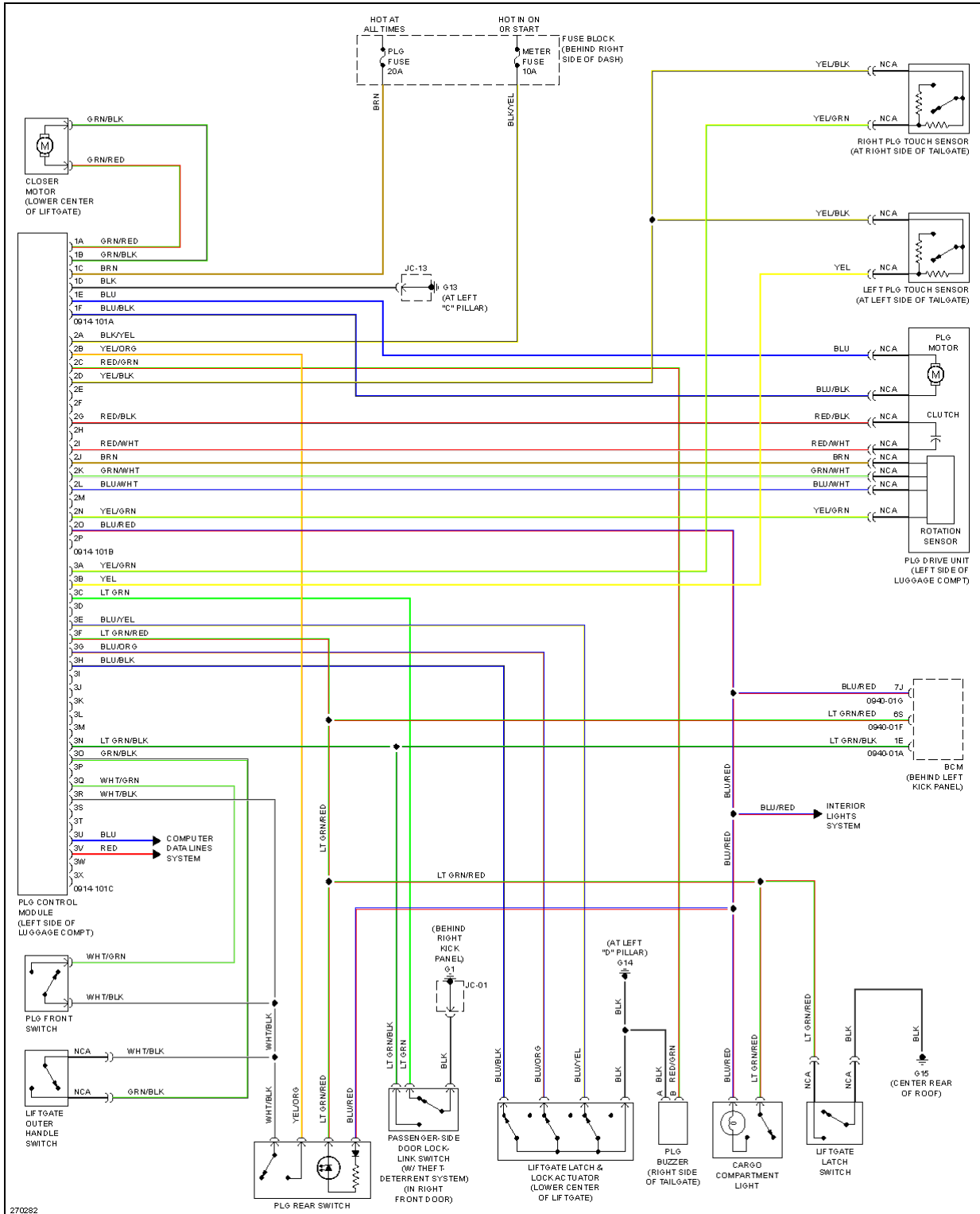


Fig. 58: Power Liftgate Circuit

WARNING SYSTEMS

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

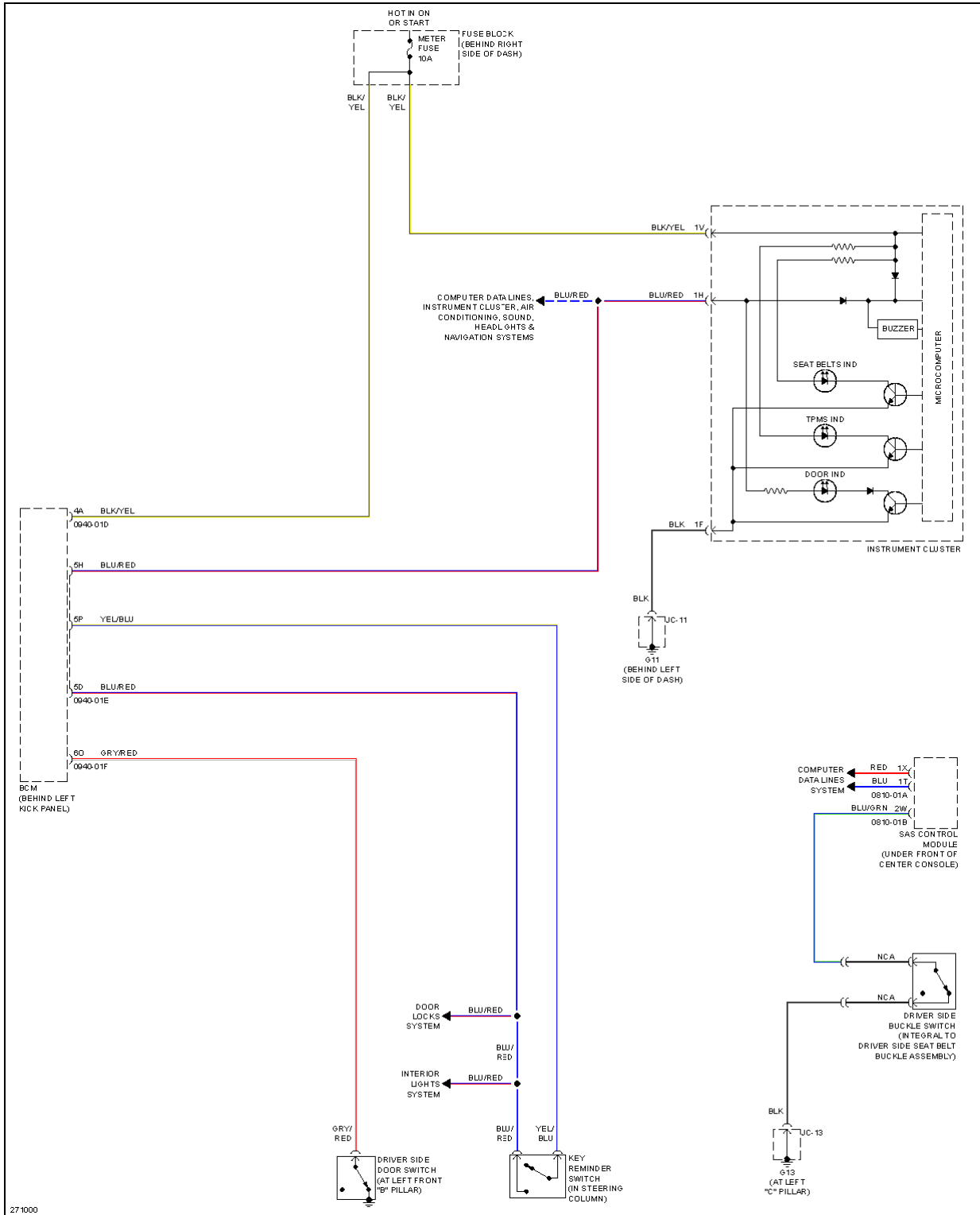


Fig. 59: Warning Systems Circuit

WIPER/WASHER

2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 60: Front Wiper/Washer Circuit, W/ Automatic Wiper

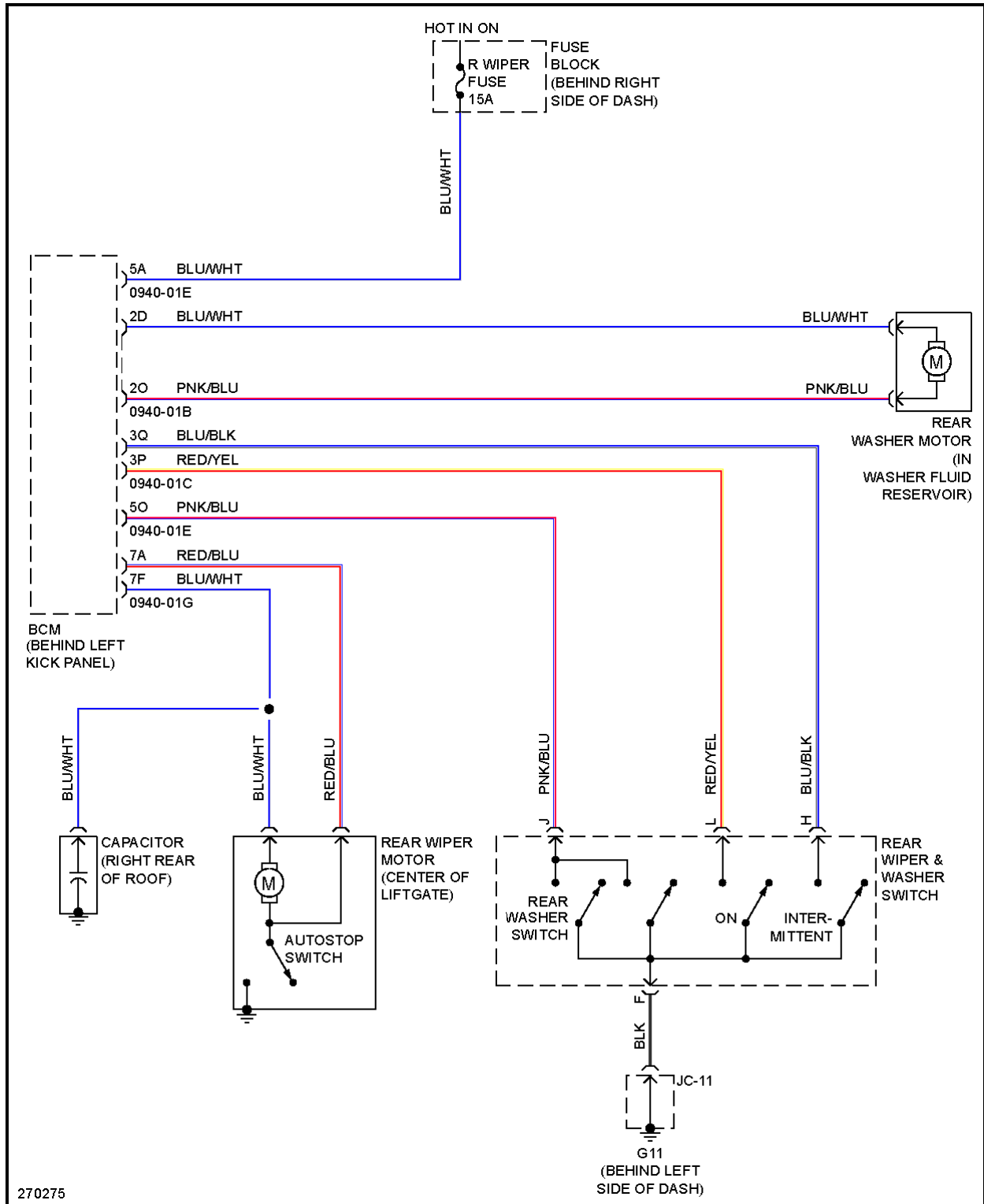
2007 Mazda CX-9 Grand Touring

2007 SYSTEM WIRING DIAGRAMS Mazda - CX-9

Fig. 61: Front Wiper/Washer Circuit, W/O Automatic Wiper

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Fig. 62: Rear Wiper/Washer Circuit