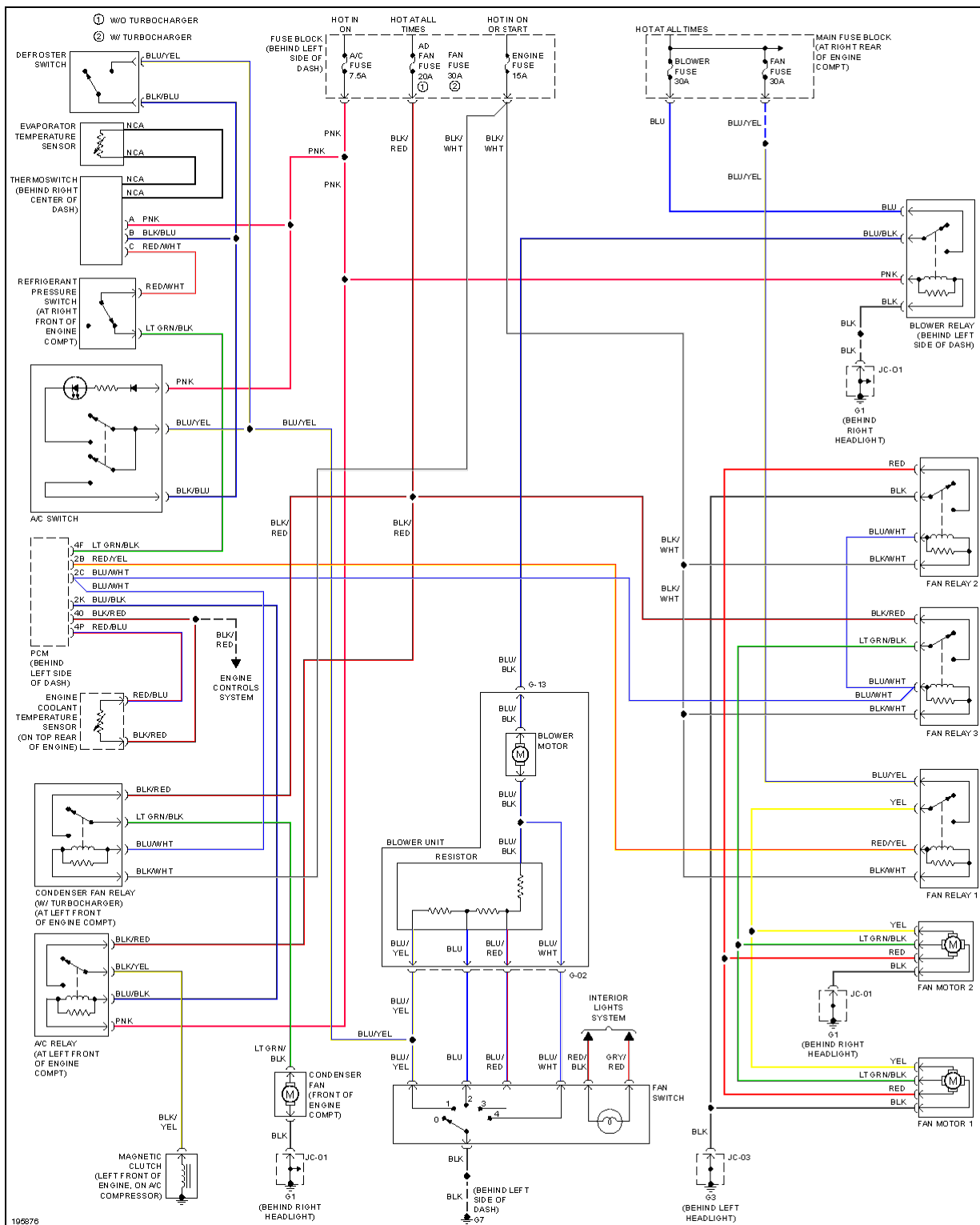


# AIR CONDITIONING

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



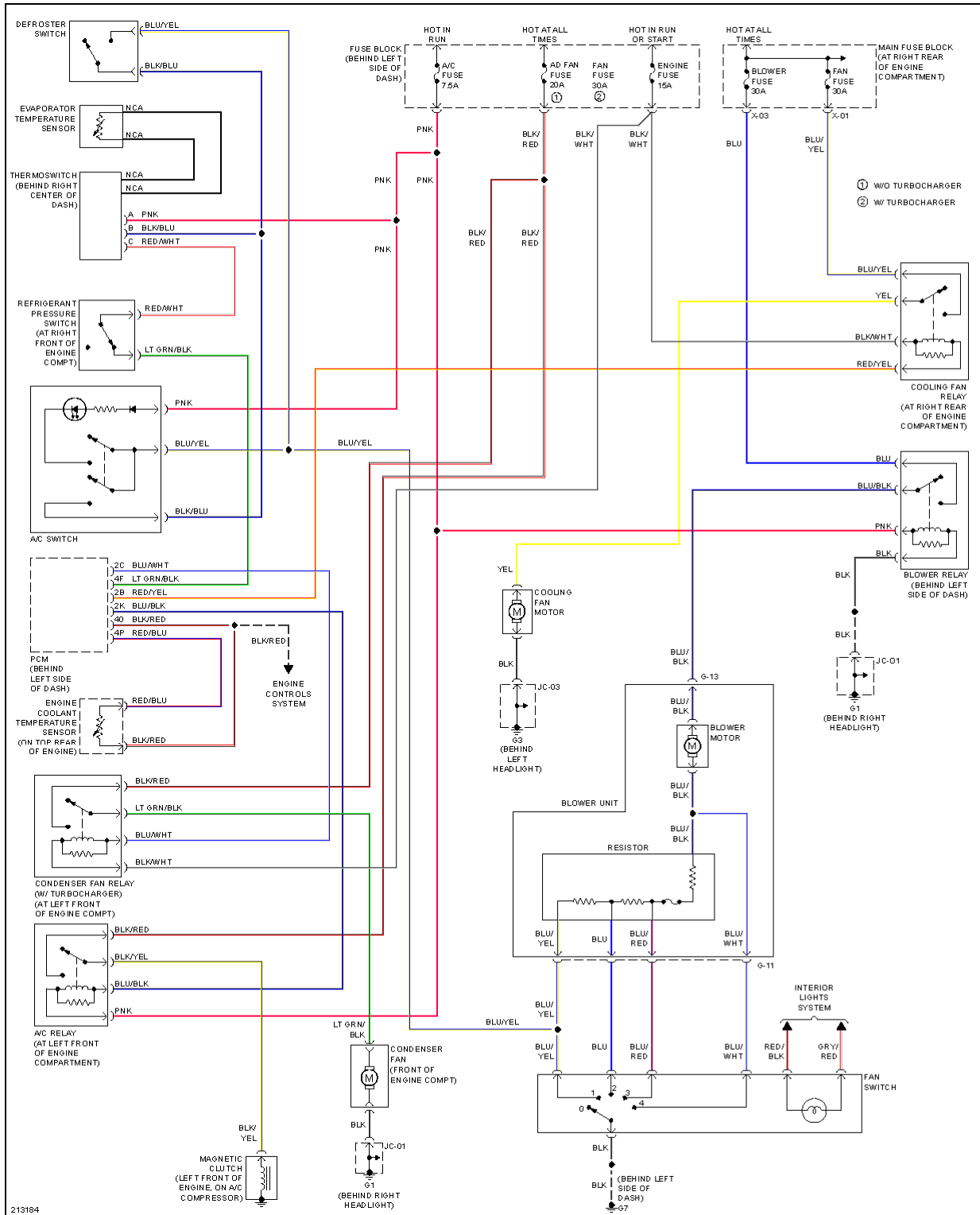
**2005 Mazda MX-5 Miata**

2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

**Fig. 1: Manual A/C Circuit, Dual Fans**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

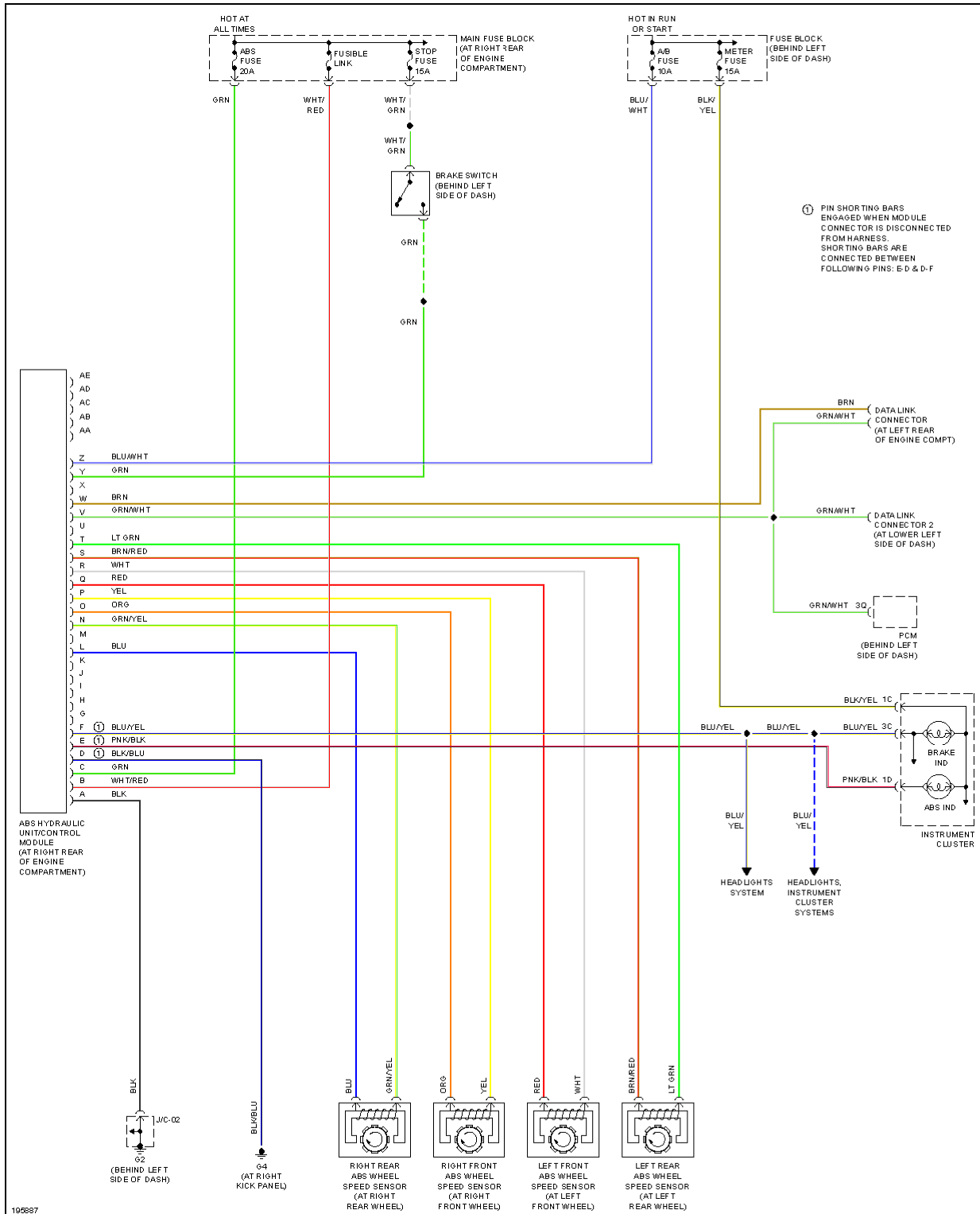


**Fig. 2: Manual A/C Circuit, Single Fan**

## **ANTI-LOCK BRAKES**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

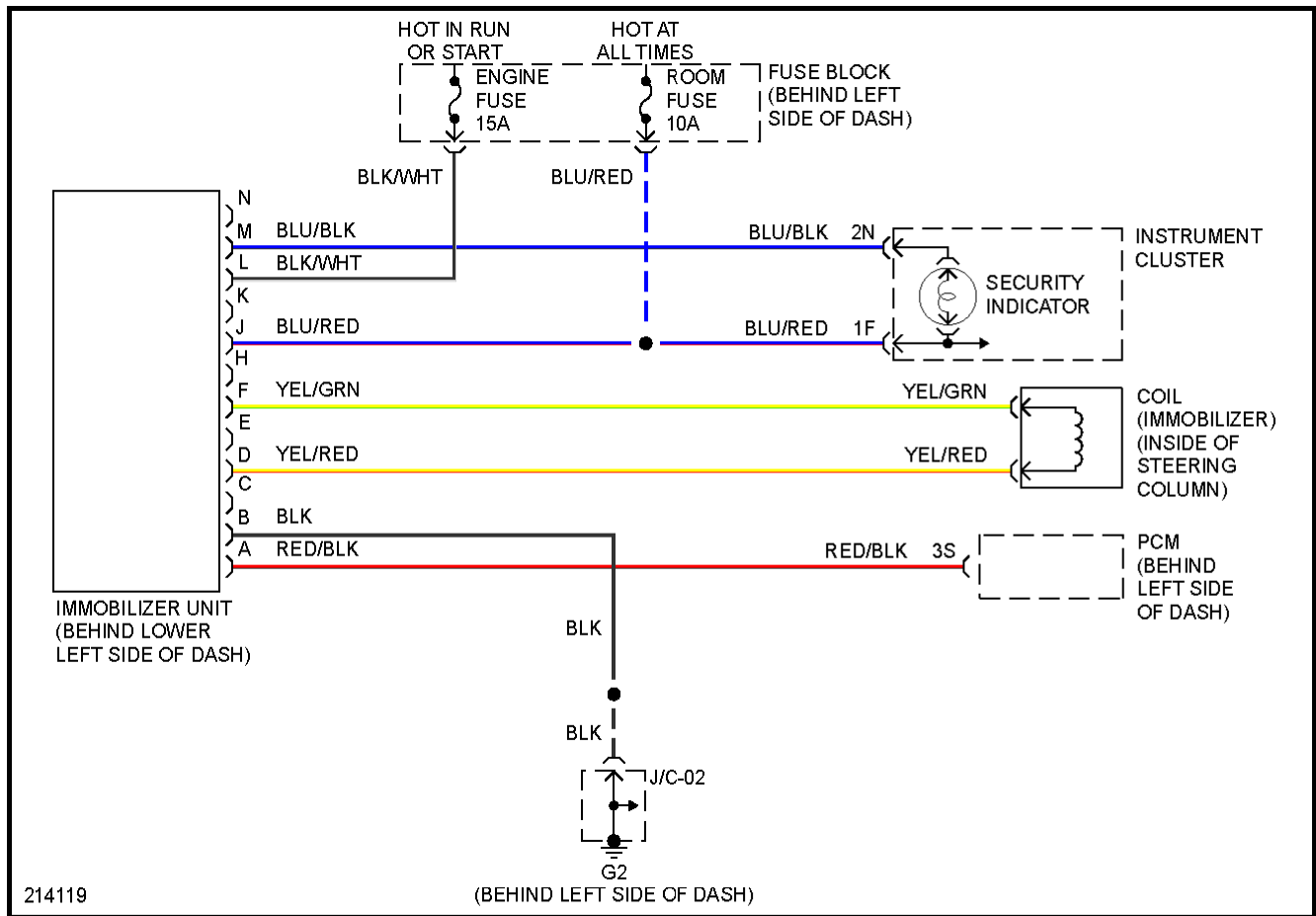


**Fig. 3: Anti-lock Brakes Circuit**

**ANTI-THEFT**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



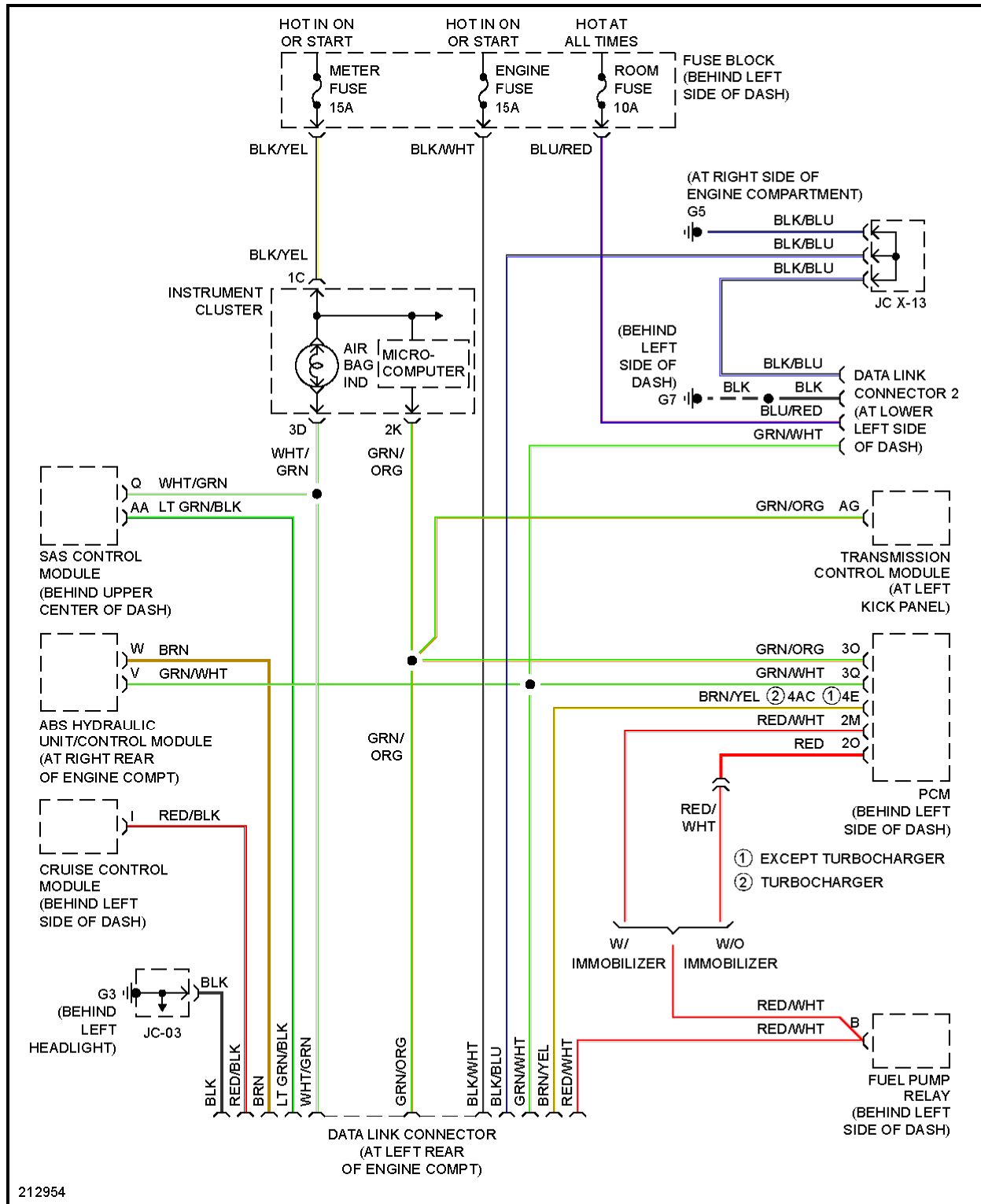


**Fig. 4: Immobilizer Circuit**

## **COMPUTER DATA LINES**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

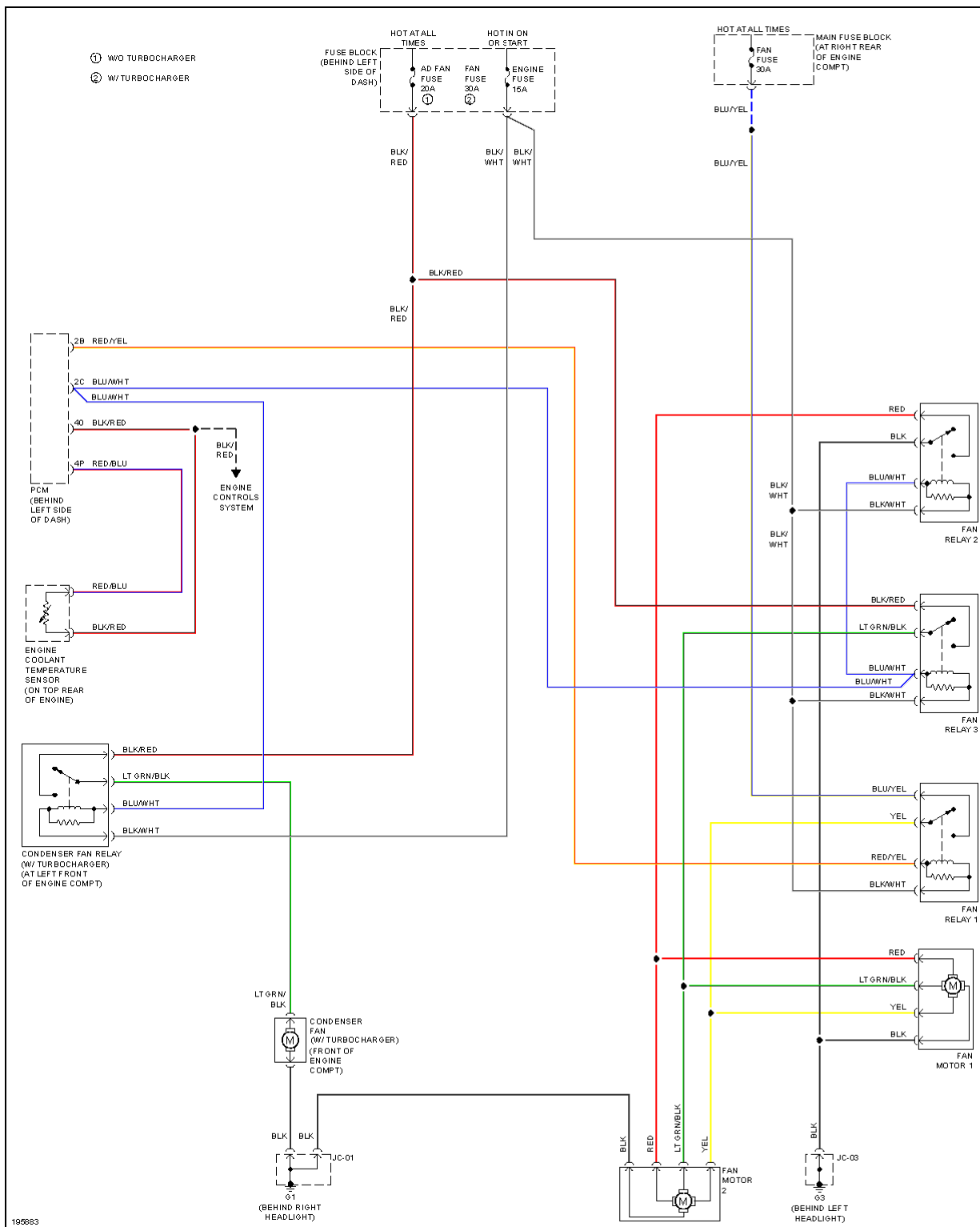


**Fig. 5: Computer Data Lines Circuit**

**COOLING FAN**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



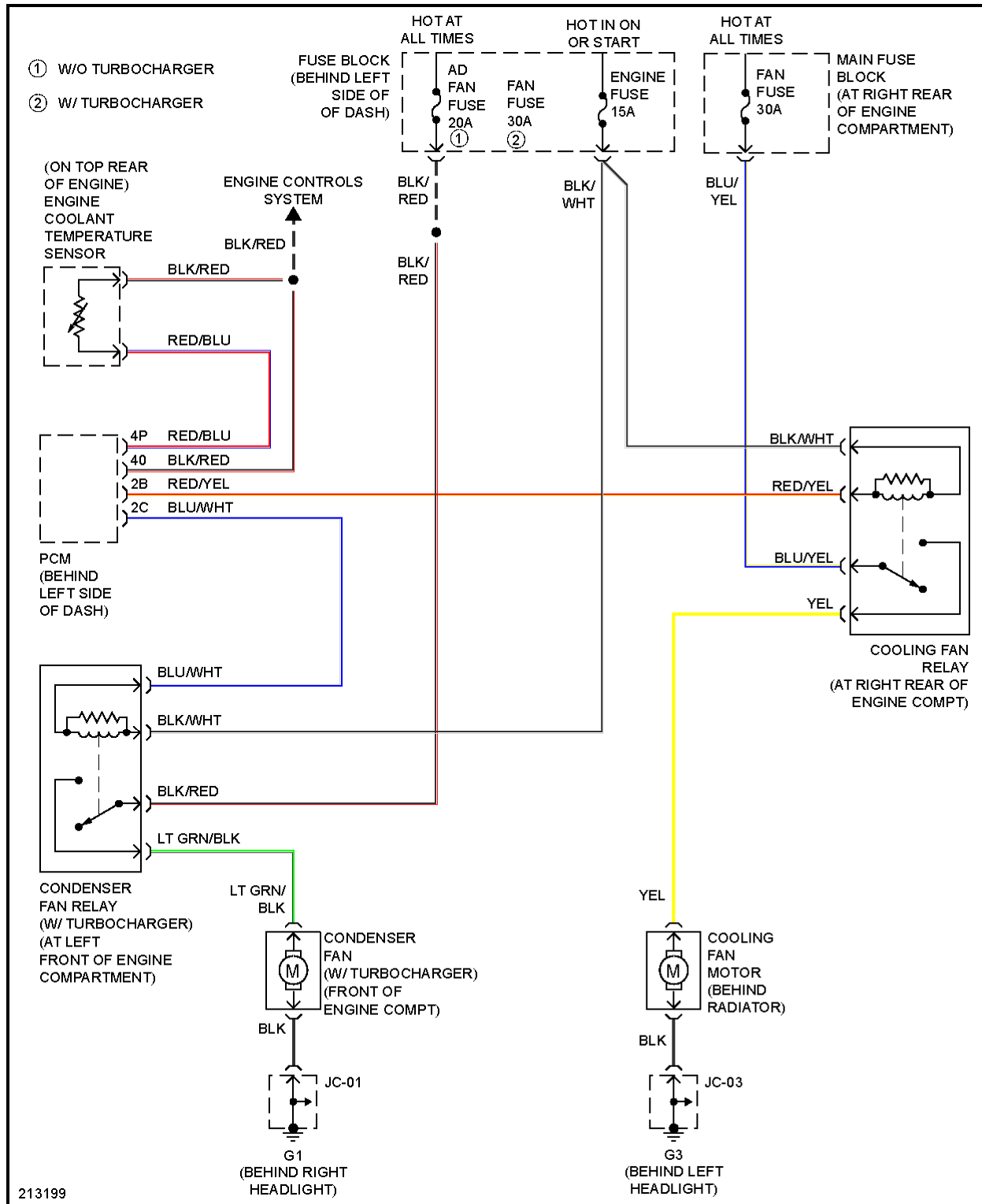
**2005 Mazda MX-5 Miata**

2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

**Fig. 6: Cooling Fan Circuit, Dual Fans**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

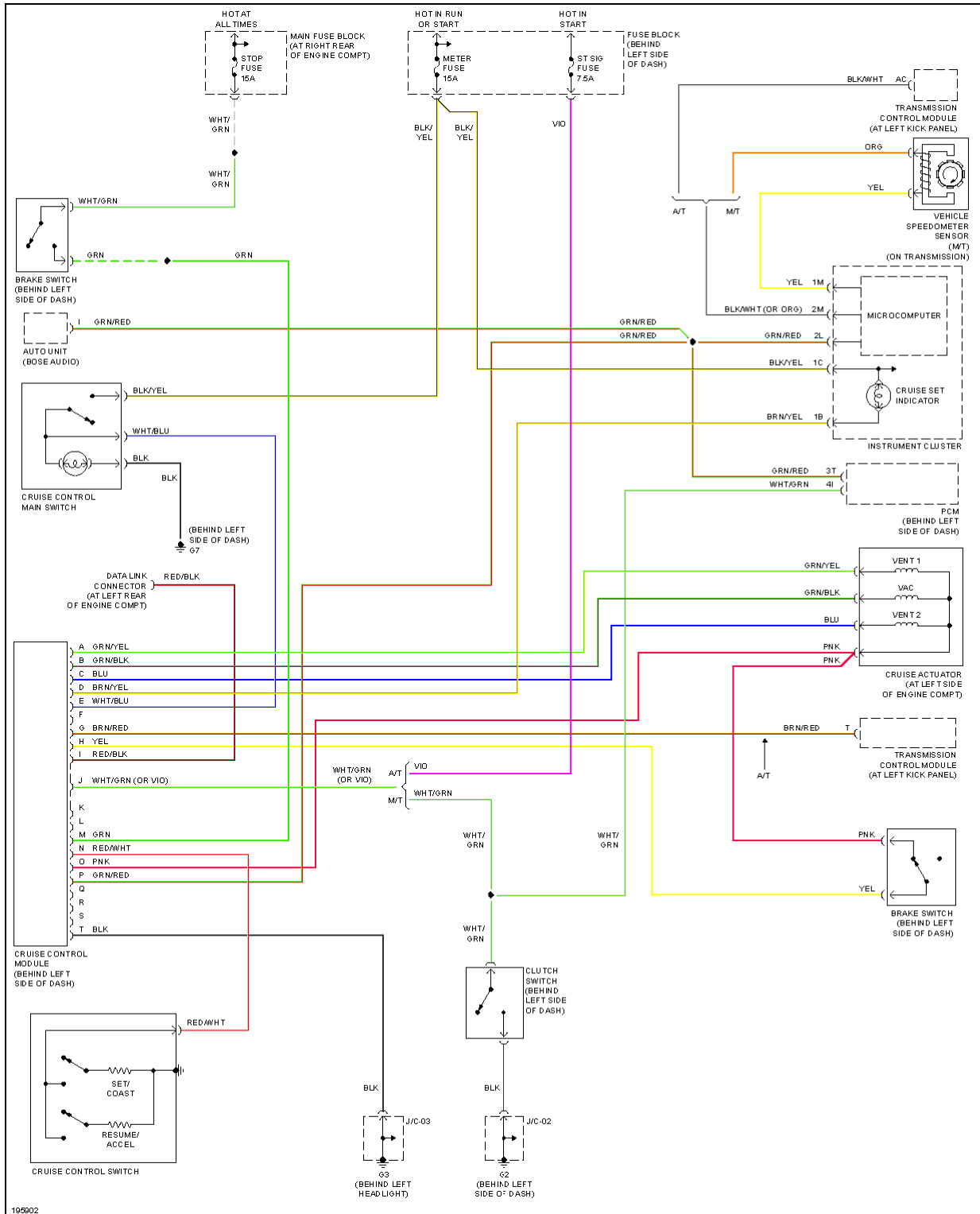


**Fig. 7: Cooling Fan Circuit, Single Fan**

## **CRUISE CONTROL**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



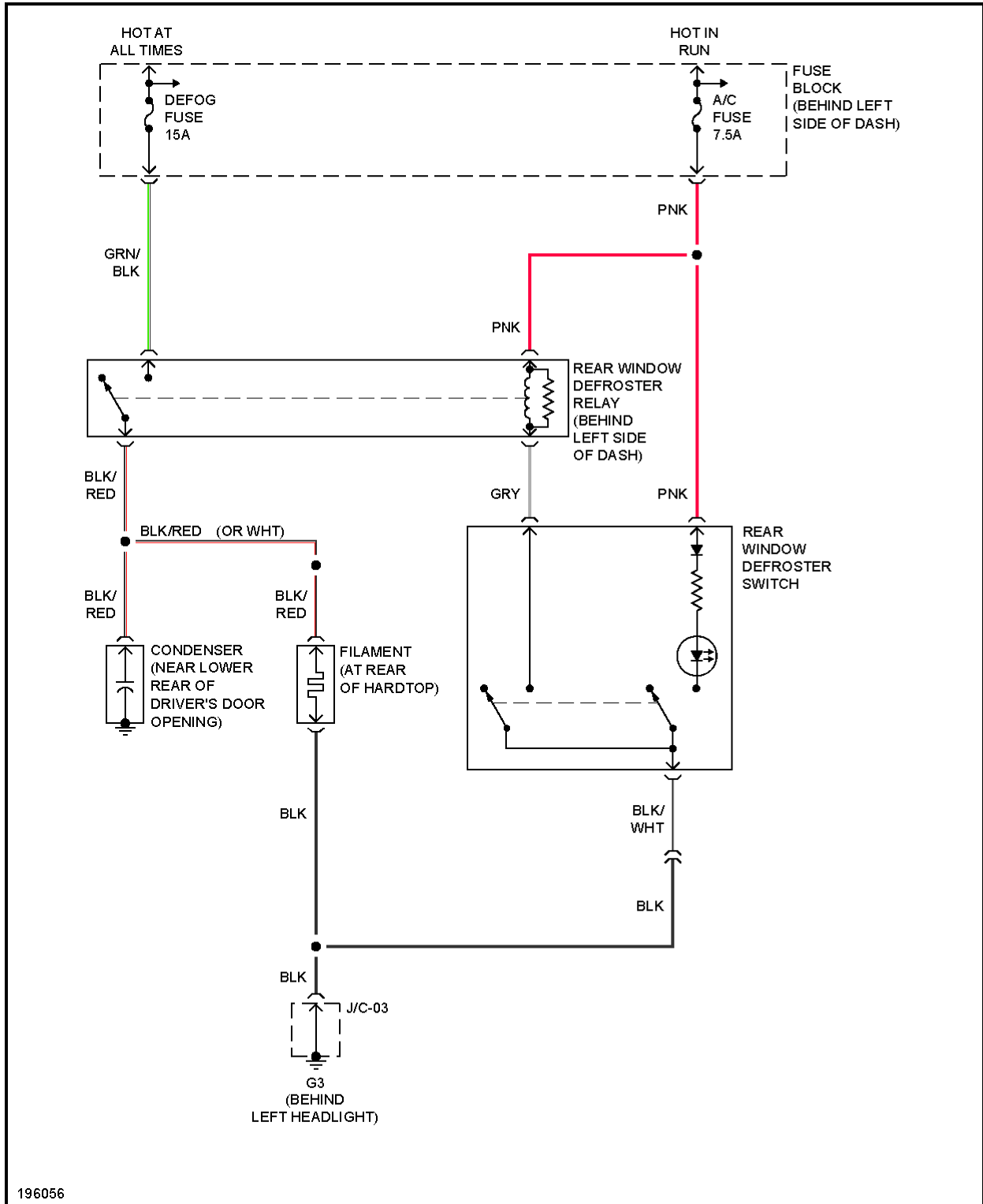


**Fig. 8: Cruise Control Circuit**

**DEFOGGERS**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



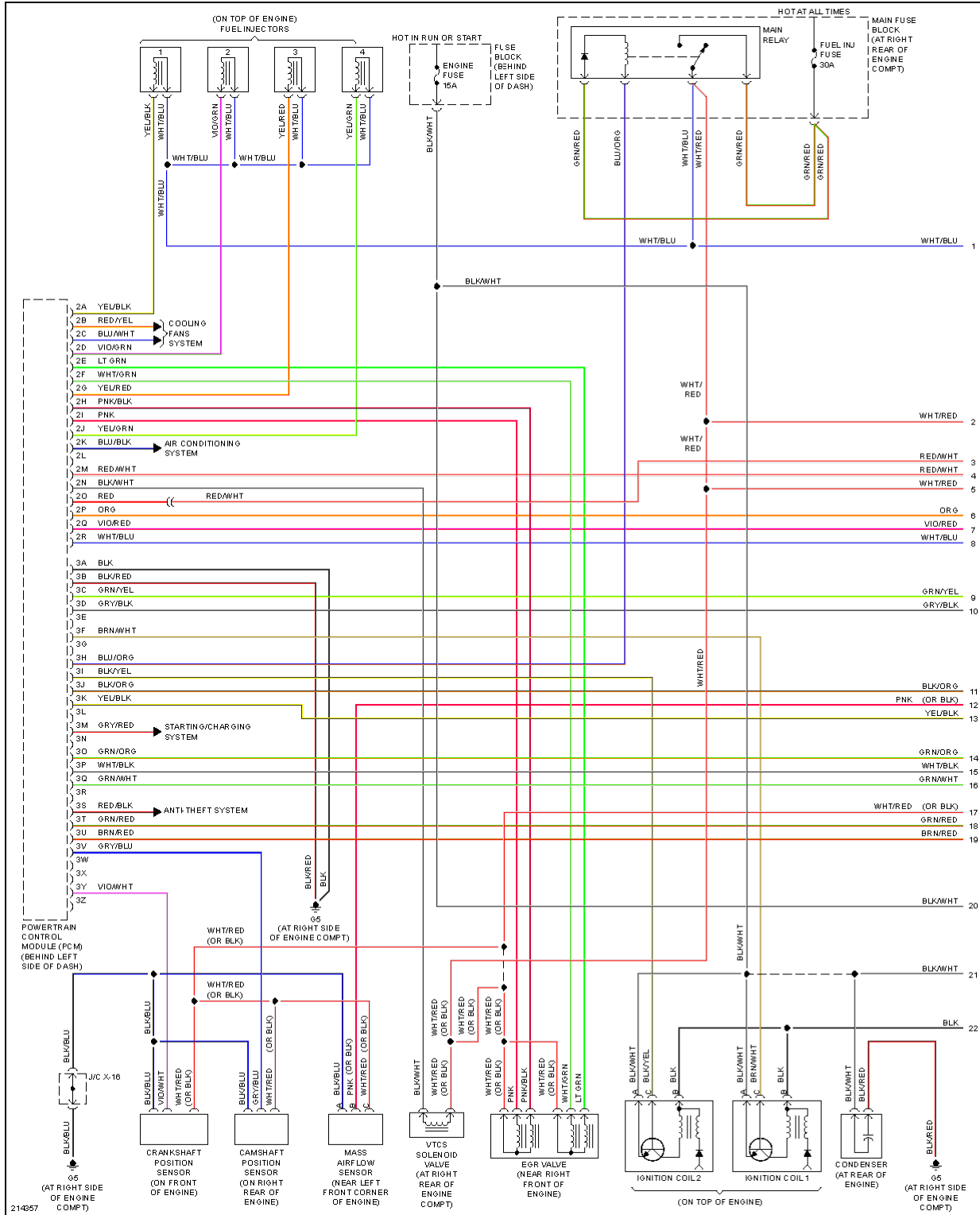
**Fig. 9: Defoggers Circuit**

**ENGINE PERFORMANCE**

**1.8L**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



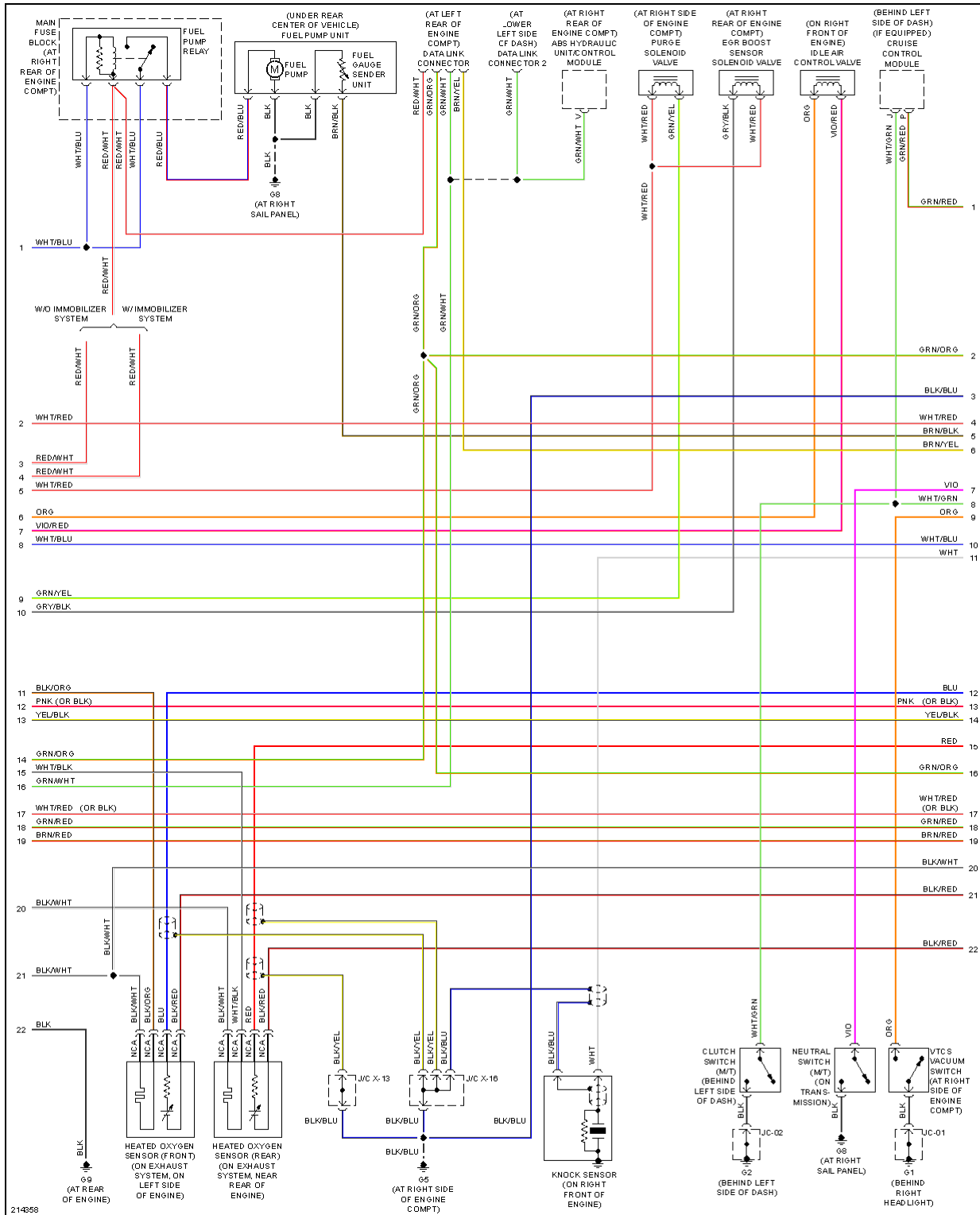
**2005 Mazda MX-5 Miata**

2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

**Fig. 10: 1.8L, Engine Performance Circuit (1 of 3)**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



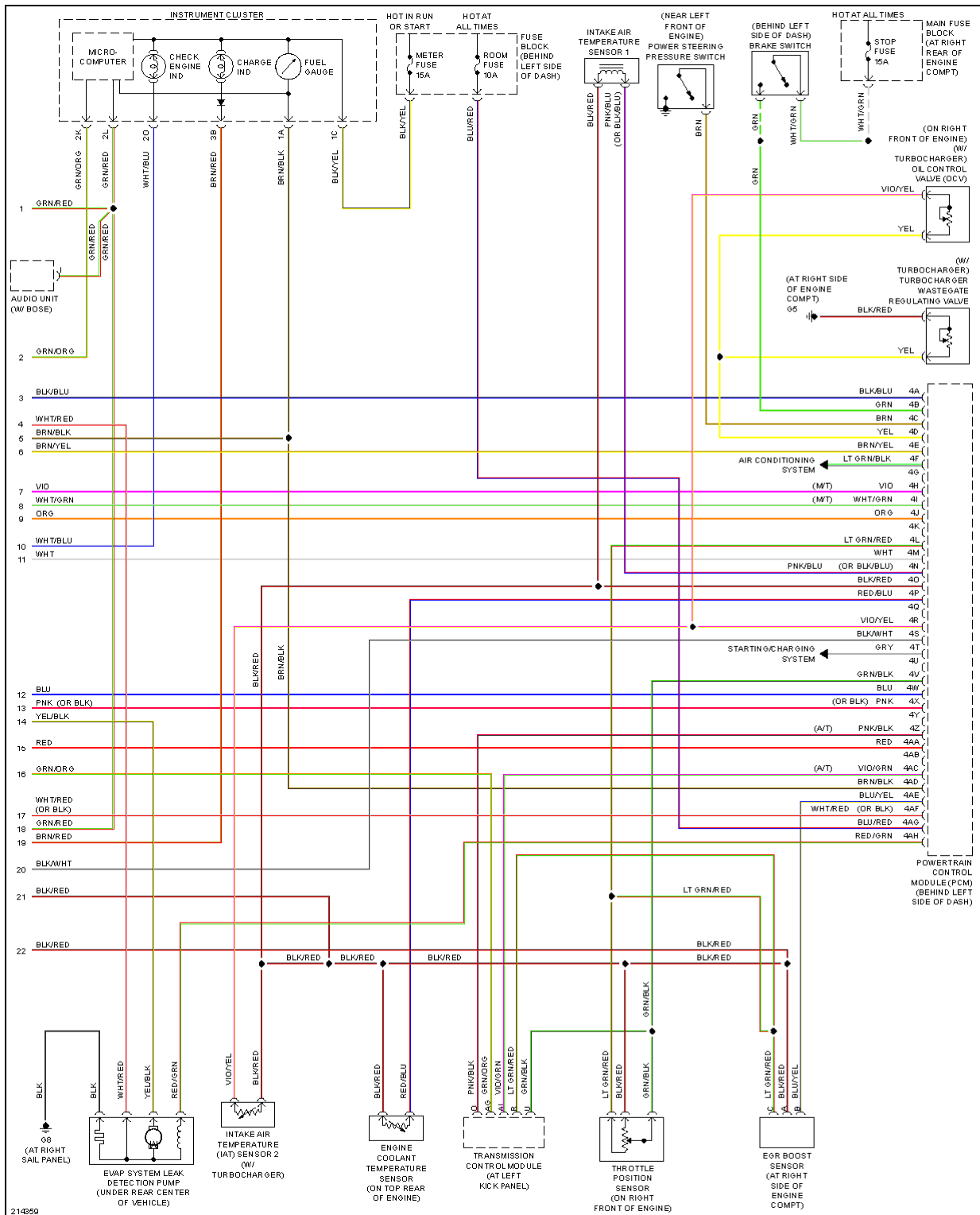
**2005 Mazda MX-5 Miata**

2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

**Fig. 11: 1.8L, Engine Performance Circuit (2 of 3)**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



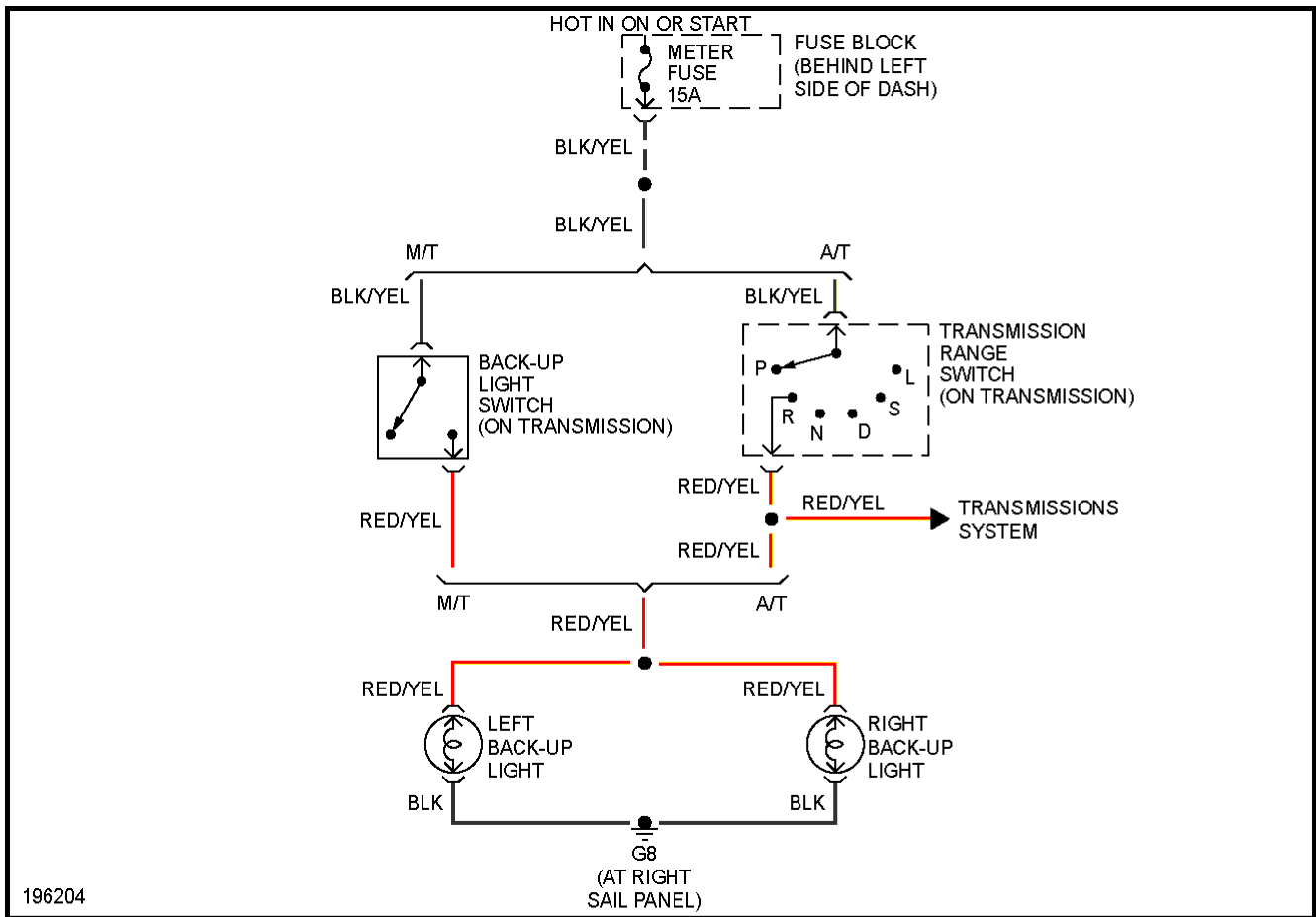


**Fig. 12: 1.8L, Engine Performance Circuit (3 of 3)**

## **EXTERIOR LIGHTS**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



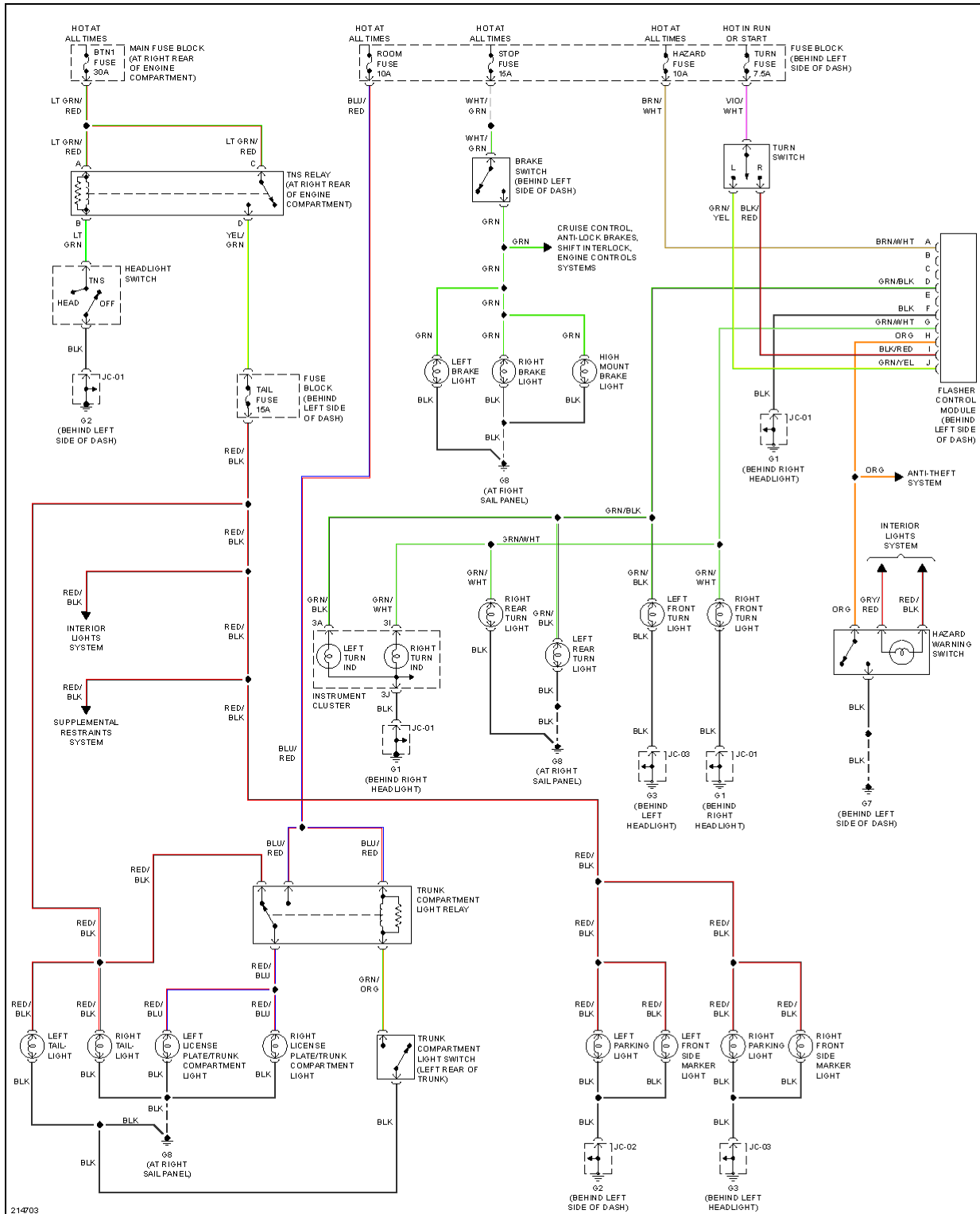
**2005 Mazda MX-5 Miata**

2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

**Fig. 13: Back-up Lamps Circuit**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

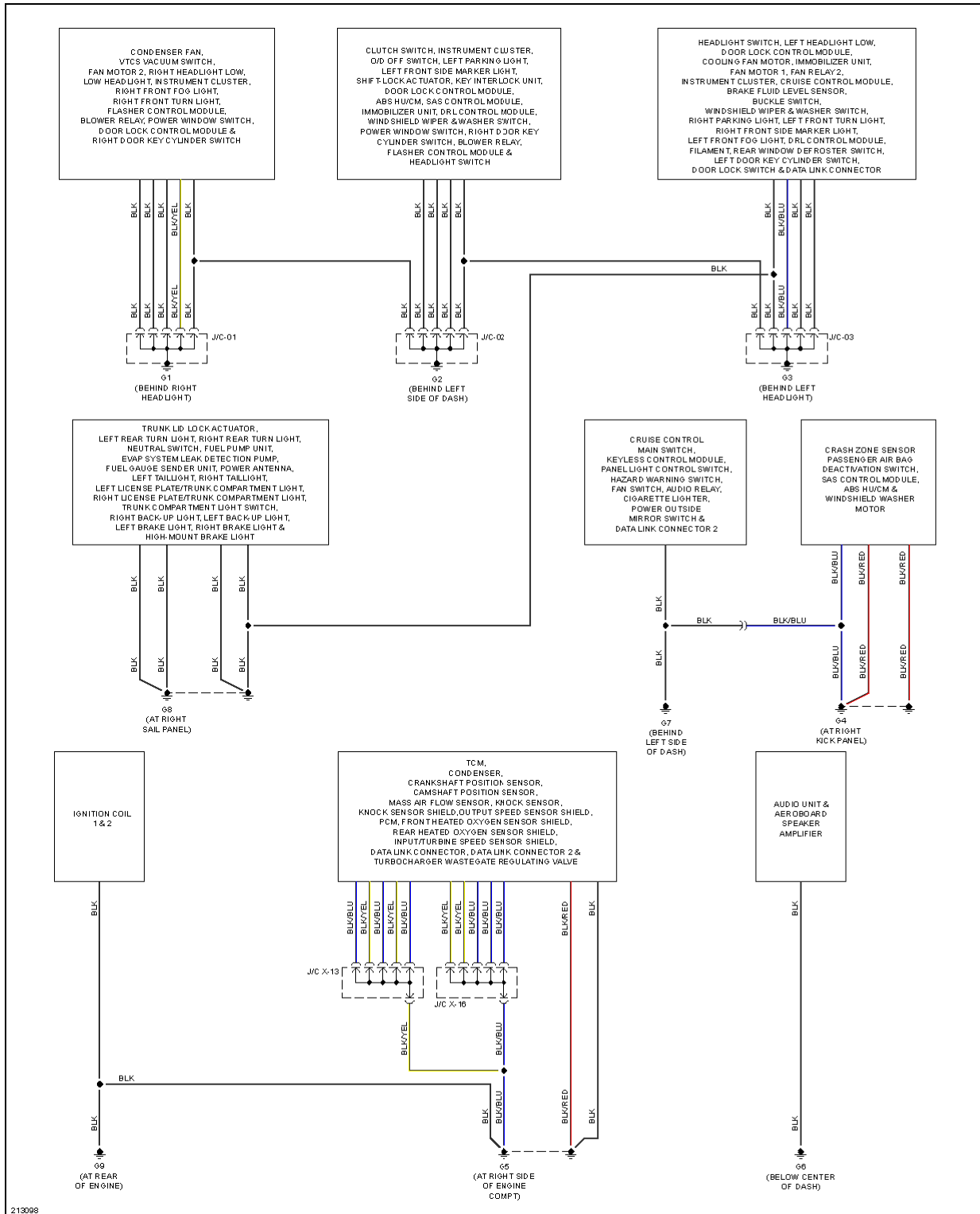


**Fig. 14: Exterior Lamps Circuit**

**GROUND DISTRIBUTION**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

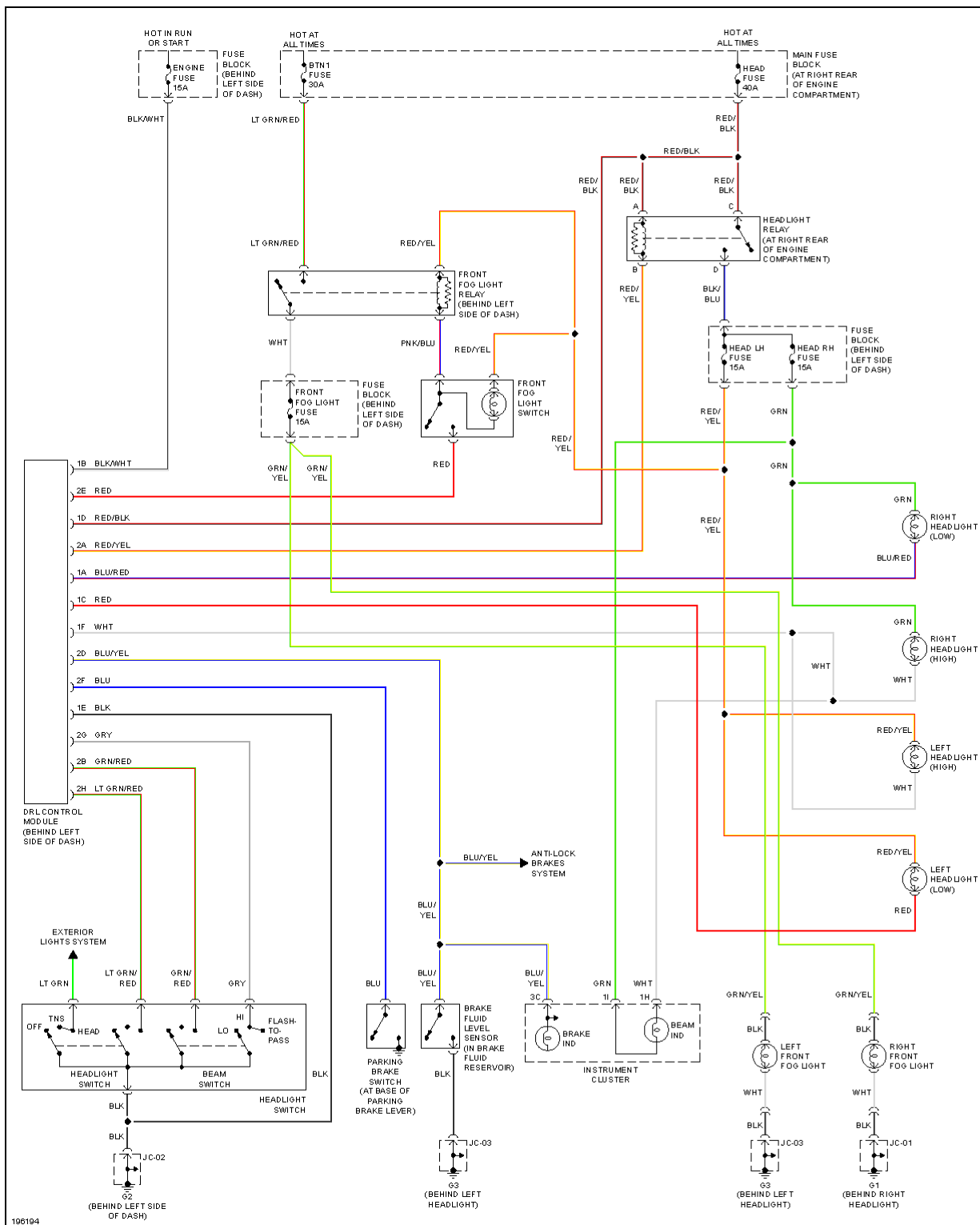


**Fig. 15: Ground Distribution Circuit**

## **HEADLIGHTS**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata





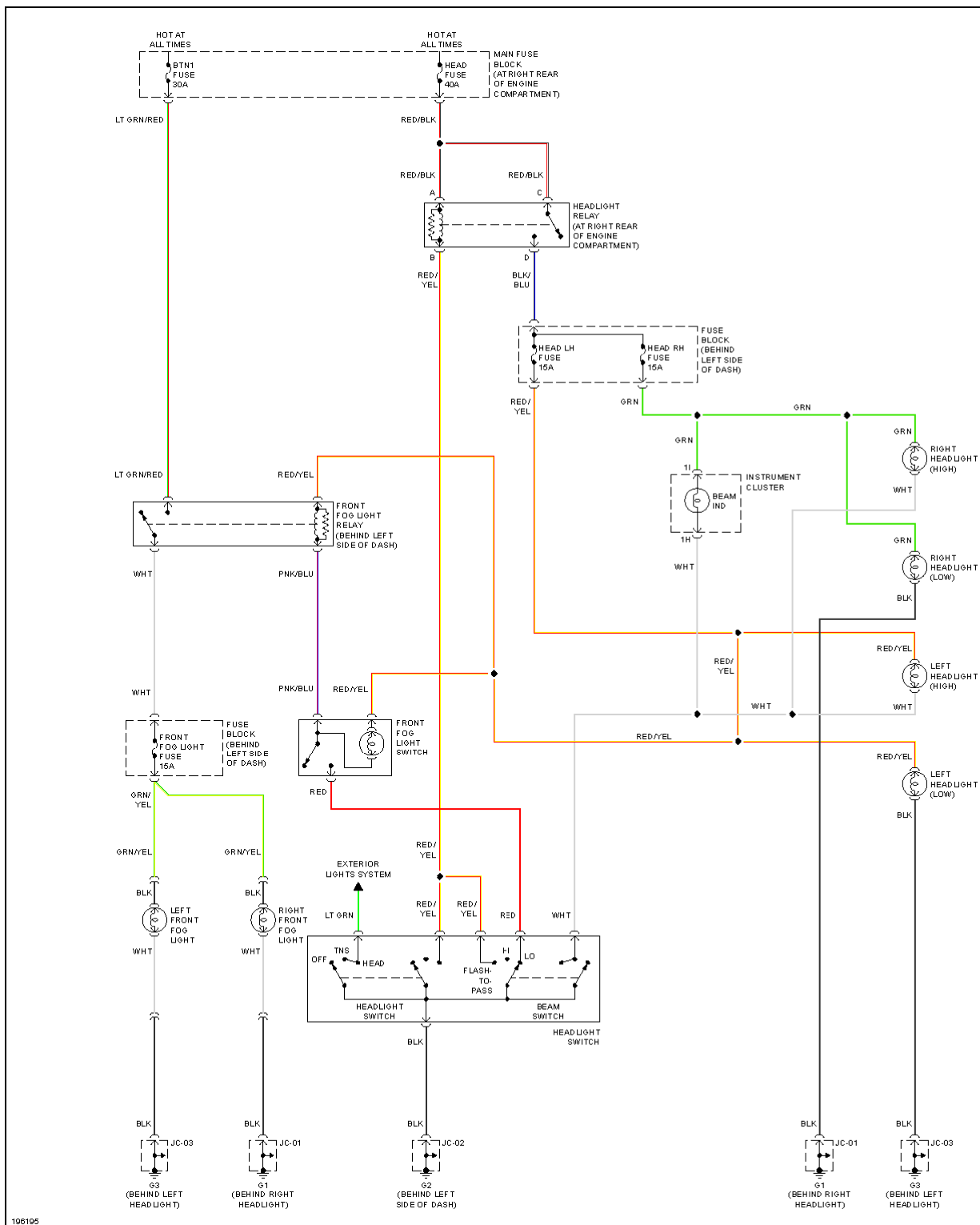
**2005 Mazda MX-5 Miata**

2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

**Fig. 16: Headlights Circuit, W/ DRL**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



**2005 Mazda MX-5 Miata**

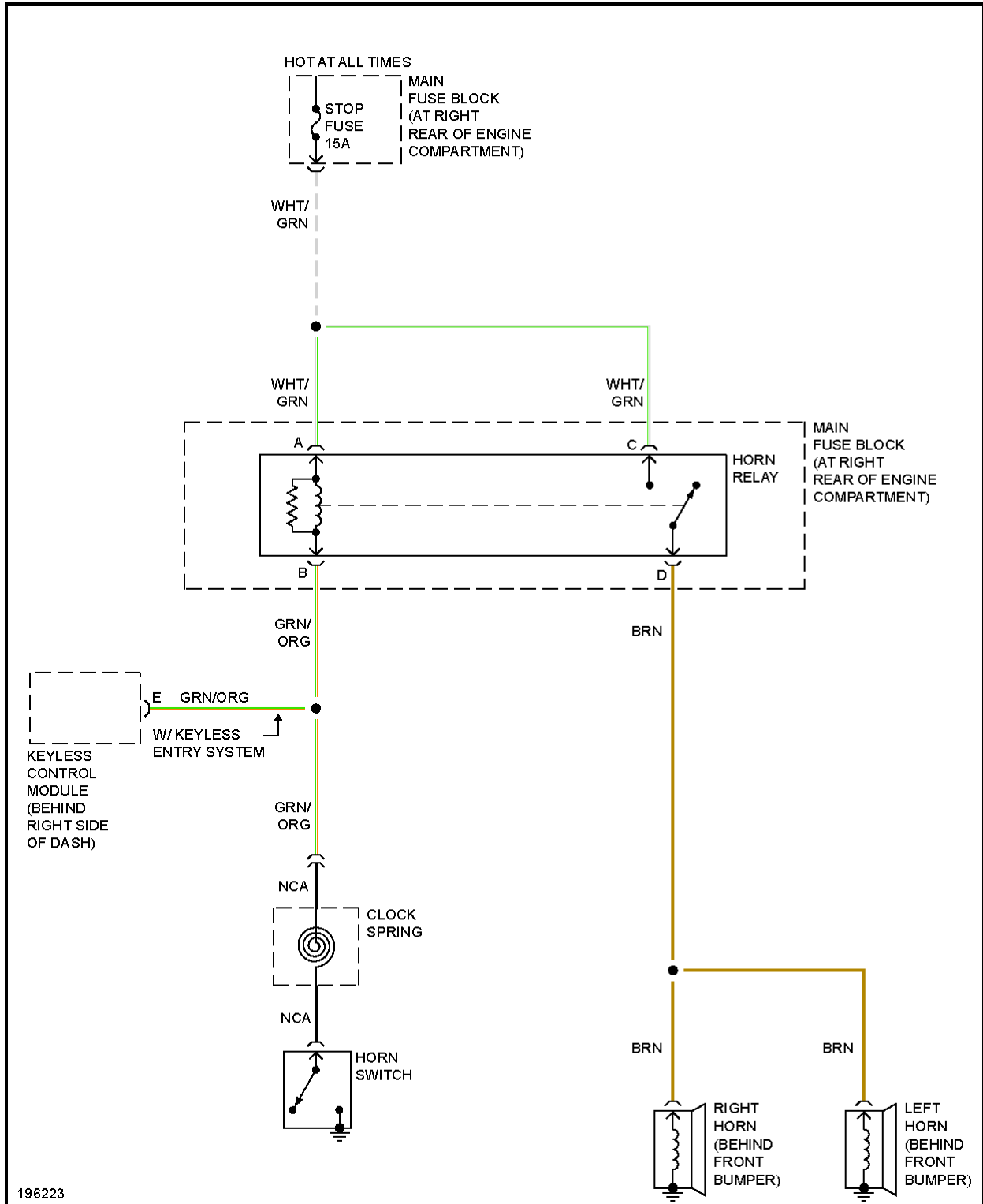
2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

**Fig. 17: Headlights Circuit, W/O DRL**

**HORN**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

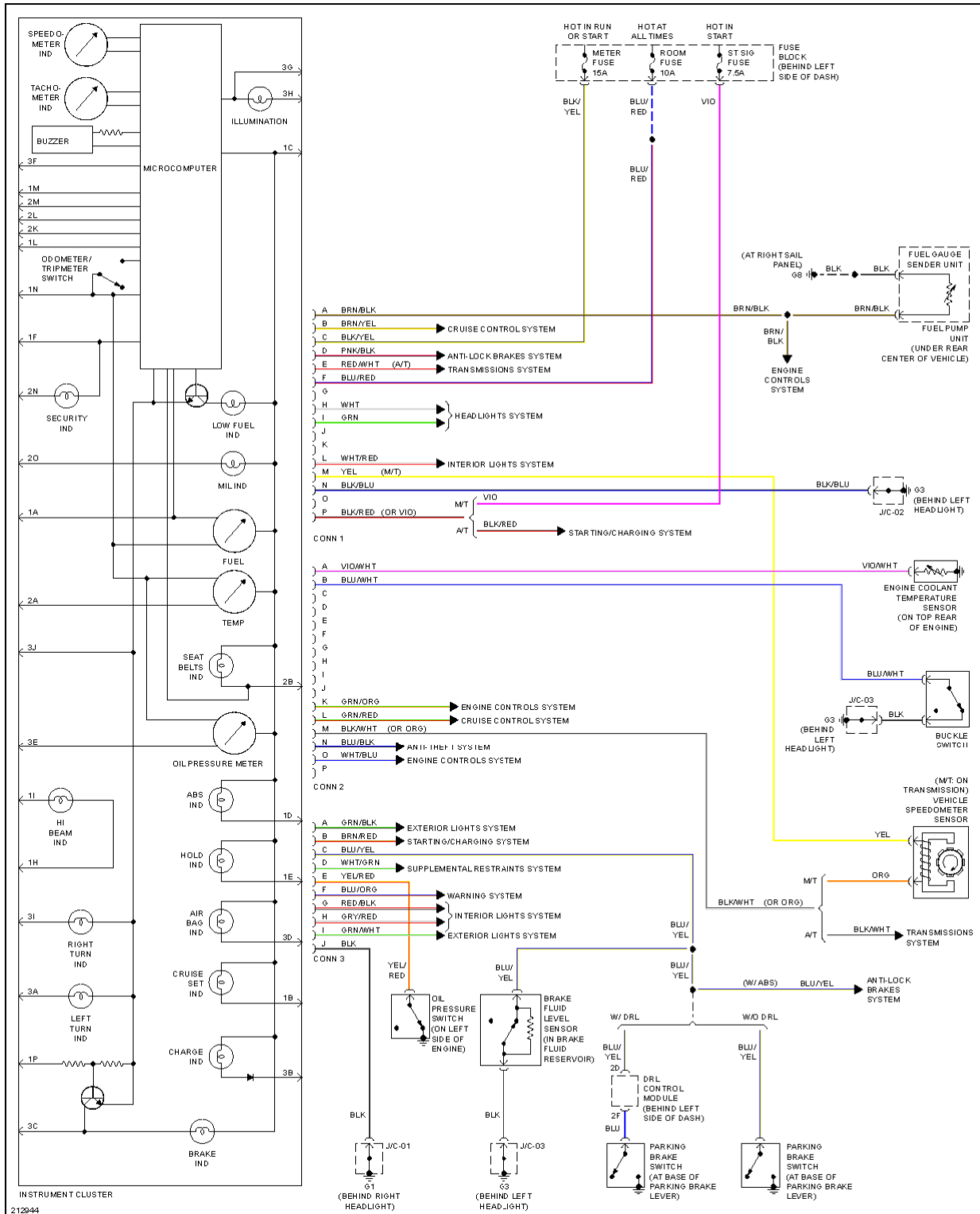


**Fig. 18: Horn Circuit**

## **INSTRUMENT CLUSTER**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

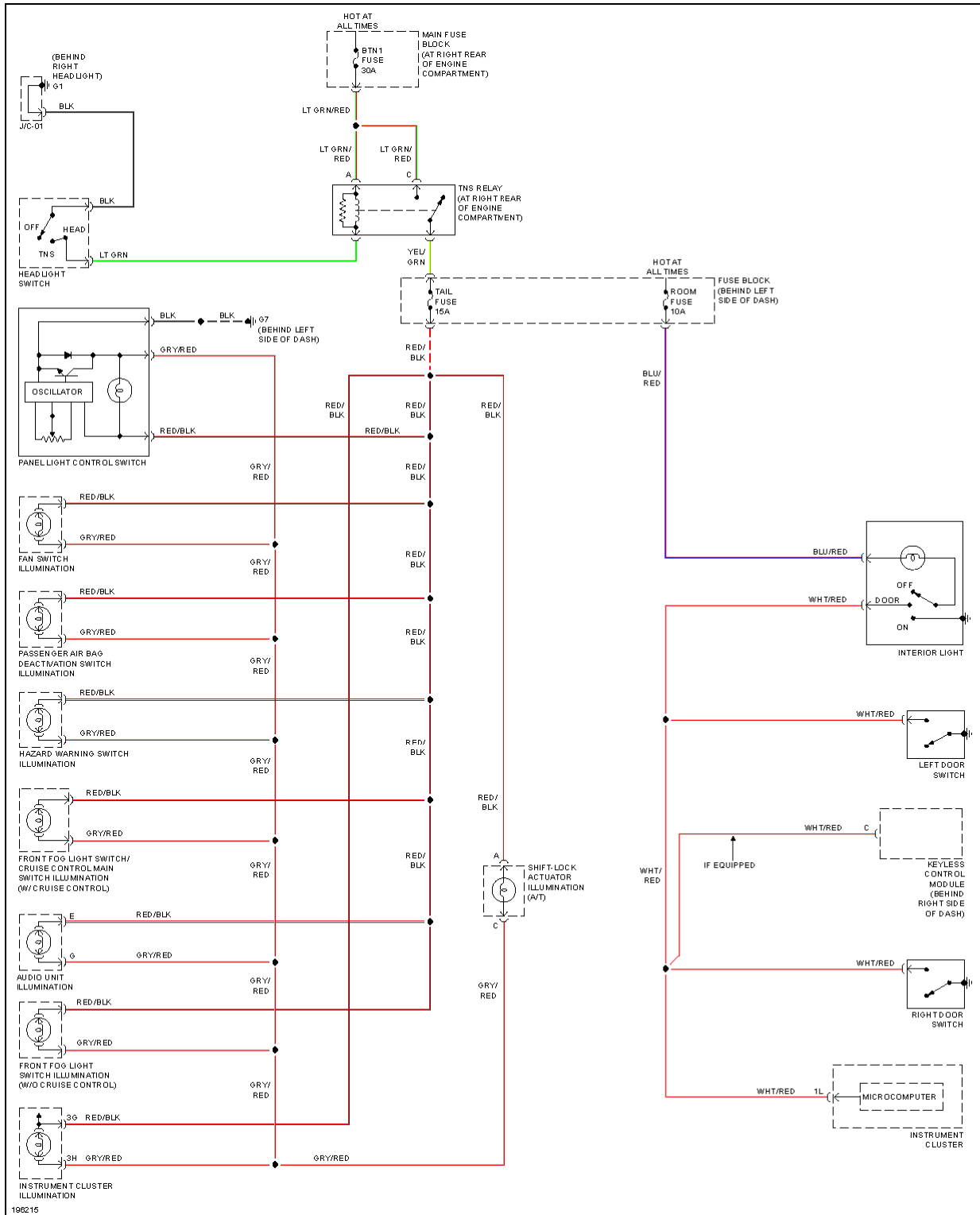


**Fig. 19: Instrument Cluster Circuit**

## **INTERIOR LIGHTS**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



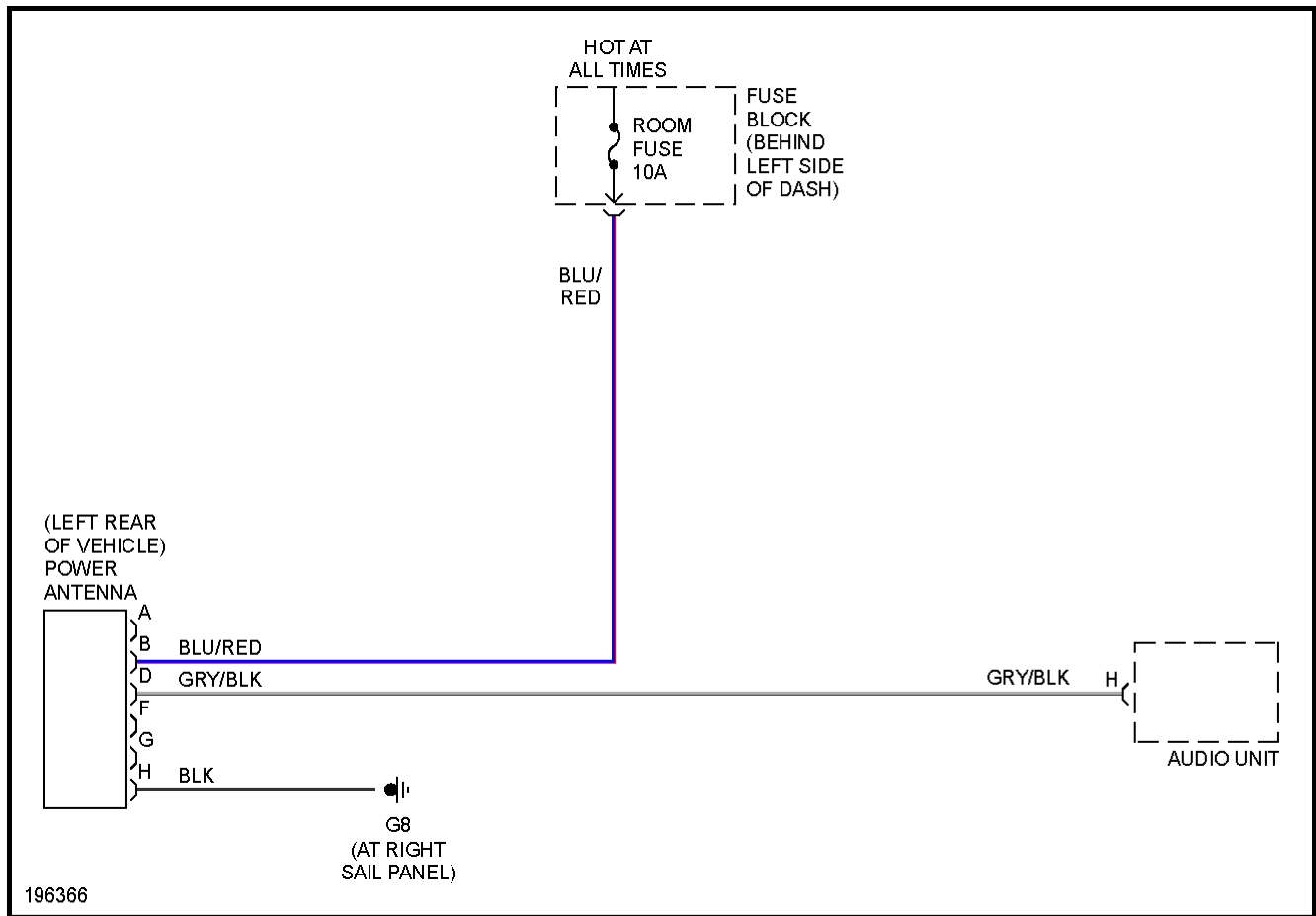


**Fig. 20: Interior Lights Circuit**

**POWER ANTENNA**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

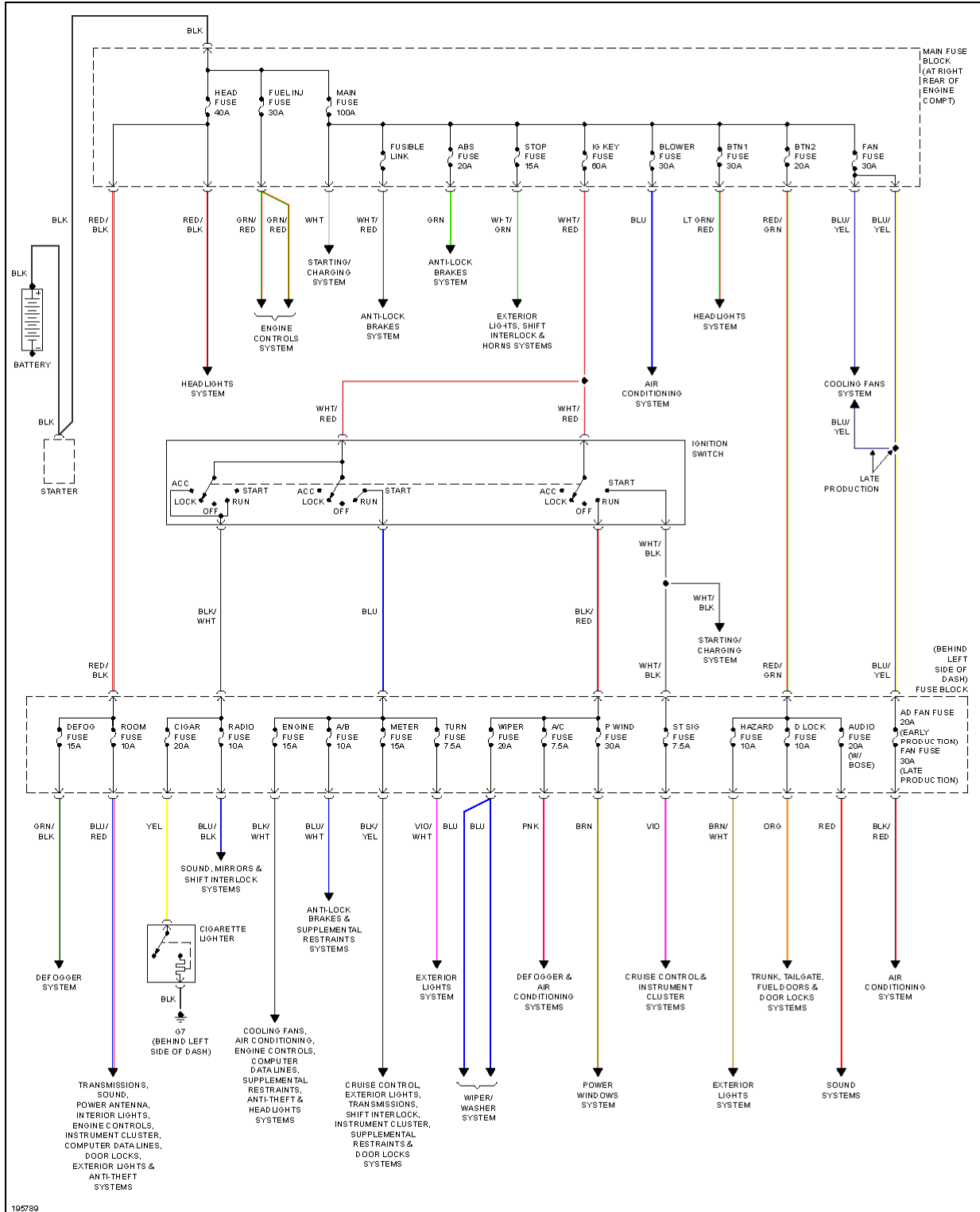


**Fig. 21: Power Antenna Circuit**

**POWER DISTRIBUTION**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

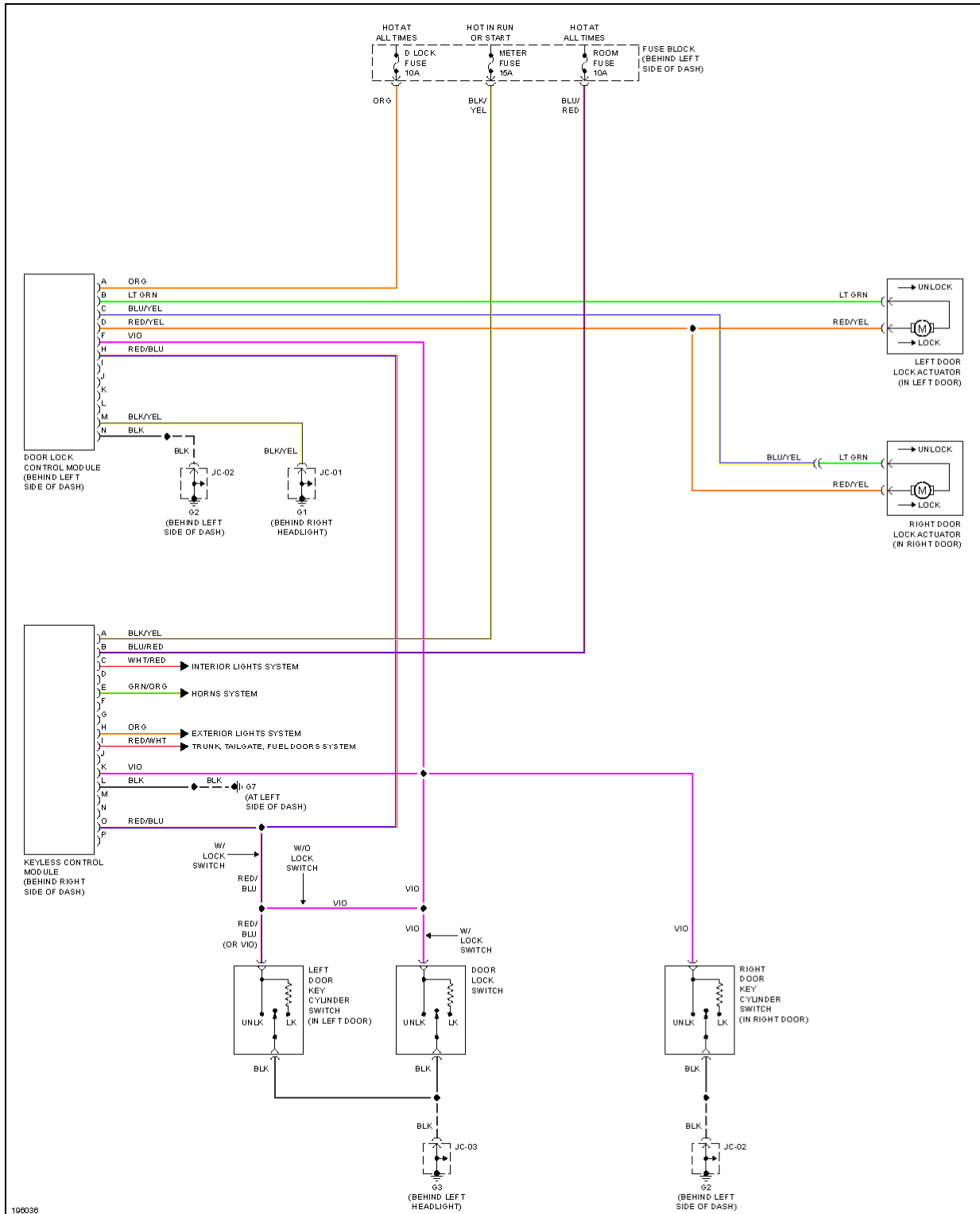


**Fig. 22: Power Distribution Circuit**

## **POWER DOOR LOCKS**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

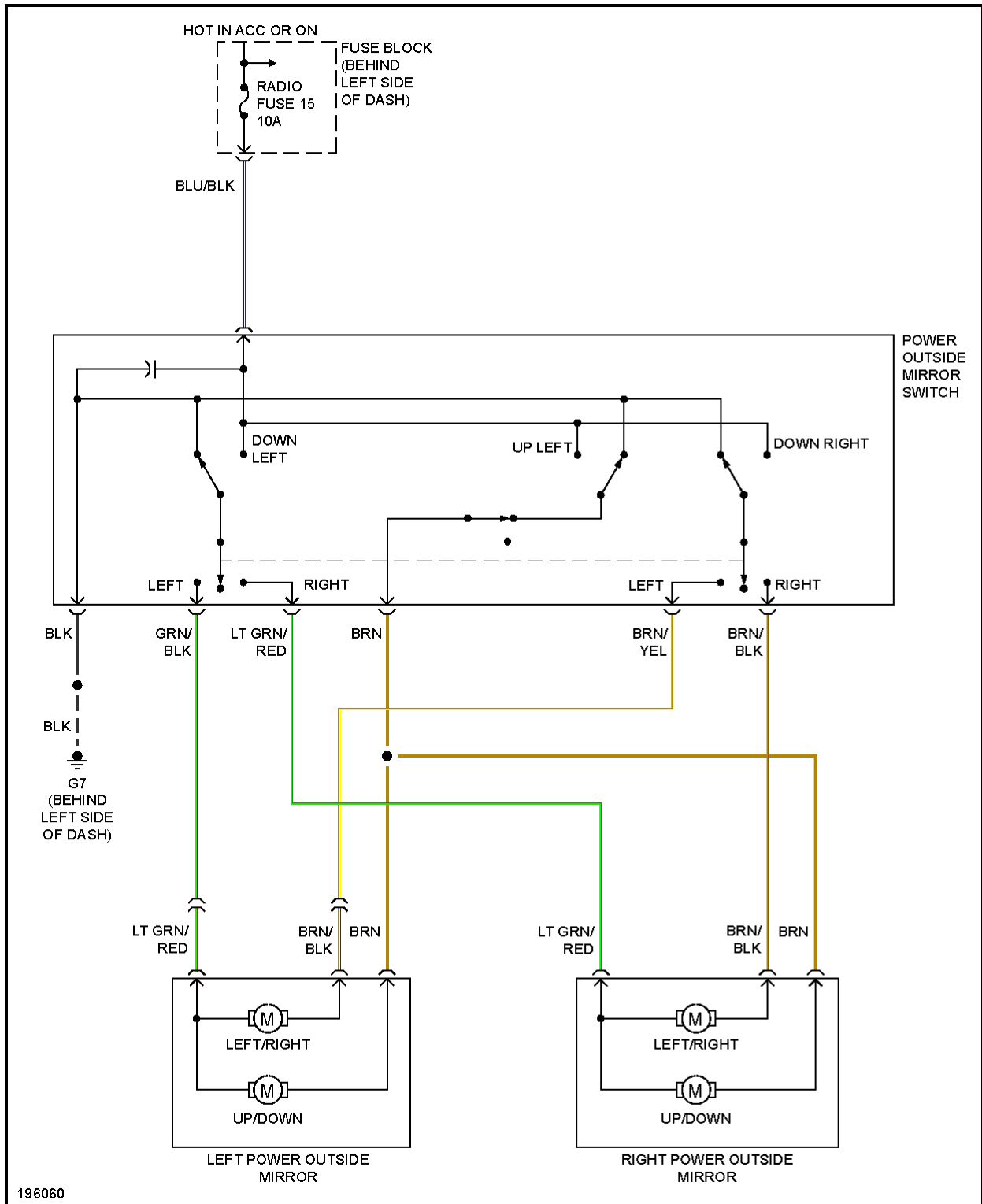


**Fig. 23: Power Door Locks Circuit**

## **POWER MIRRORS**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



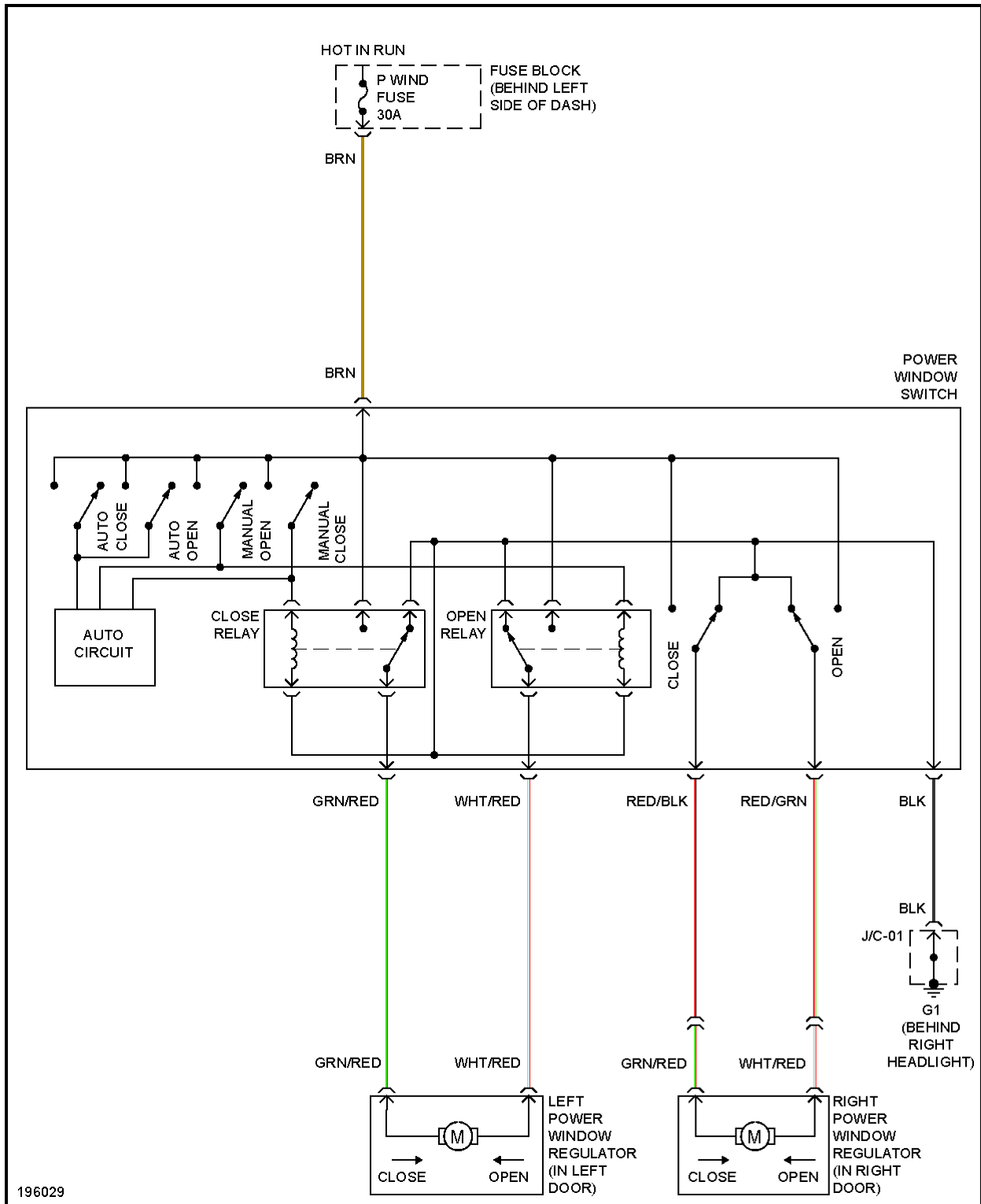


**Fig. 24: Power Mirrors Circuit**

## **POWER WINDOWS**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



**2005 Mazda MX-5 Miata**

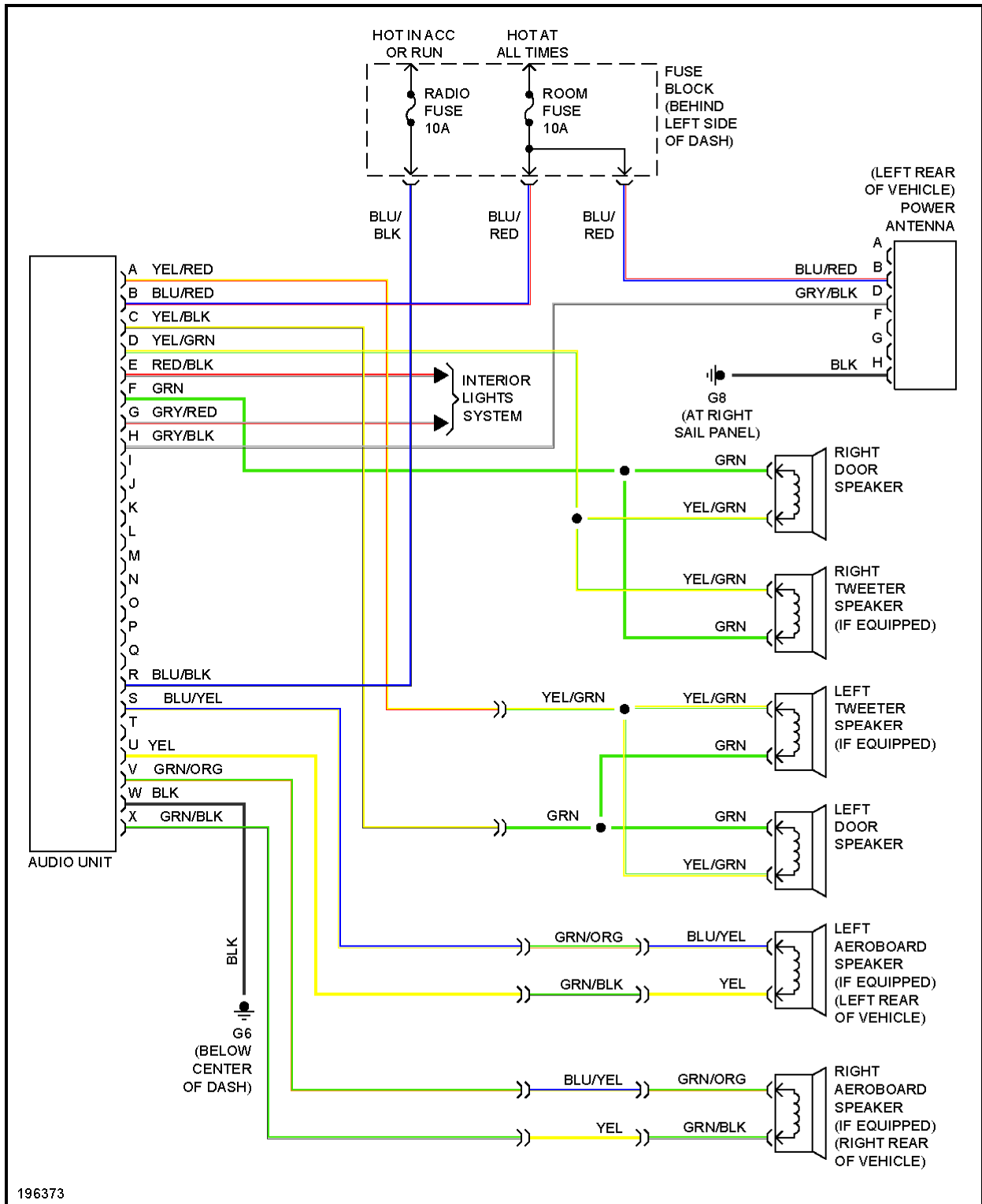
2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

**Fig. 25: Power Windows Circuit**

**RADIO**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



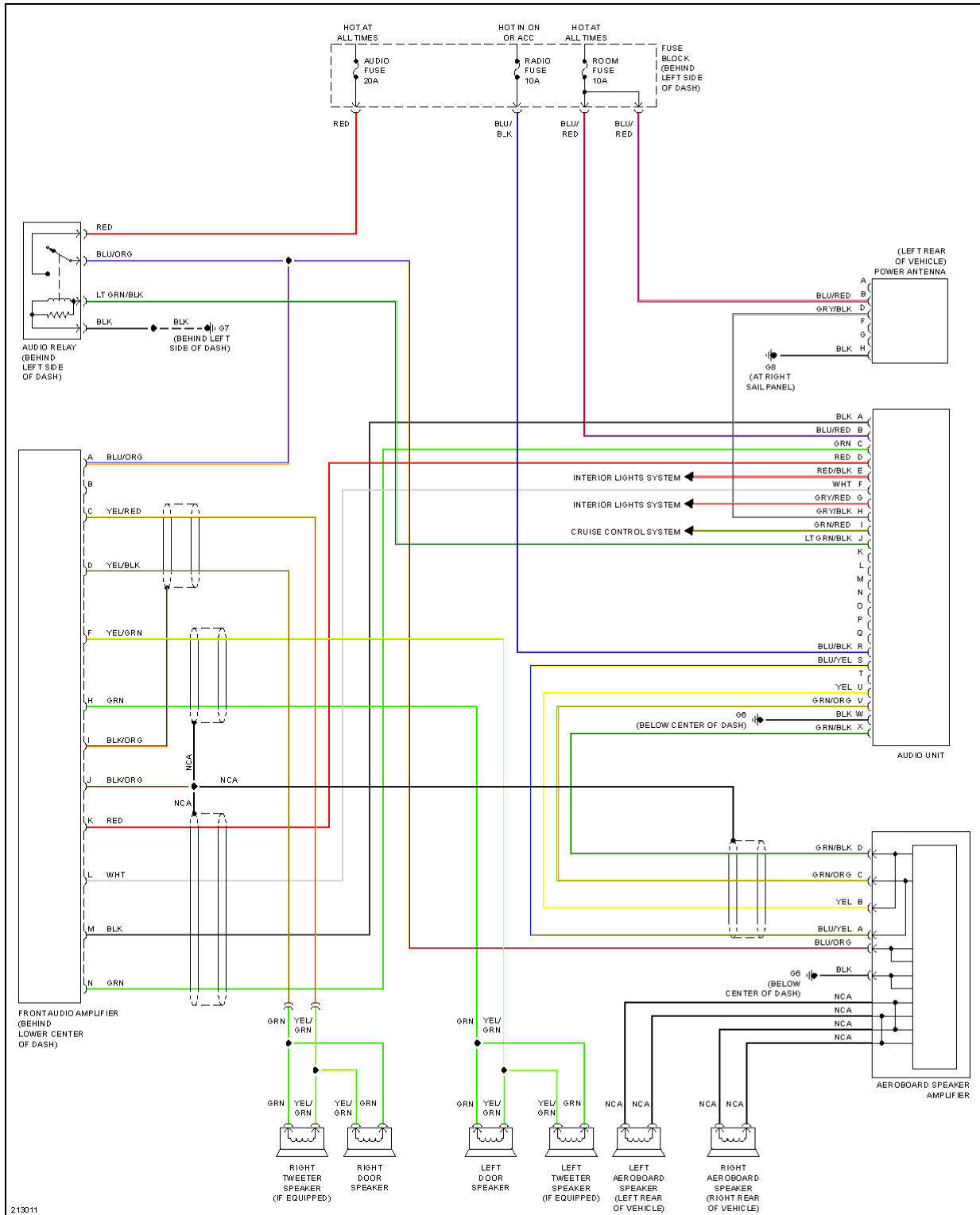
**2005 Mazda MX-5 Miata**

2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

**Fig. 26: Radio Circuit, Base**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

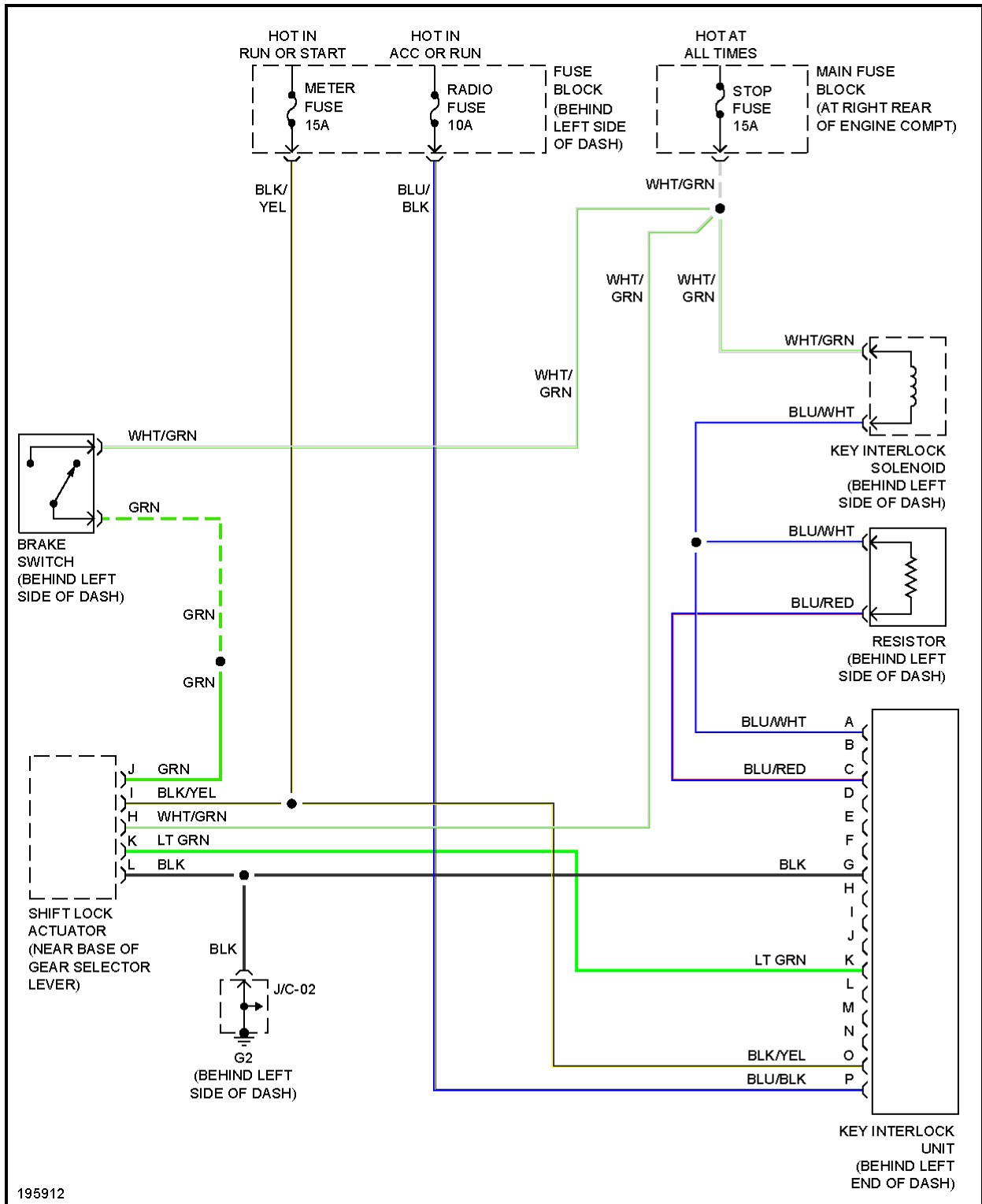


**Fig. 27: Radio Circuit, Bose**

## **SHIFT INTERLOCK**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



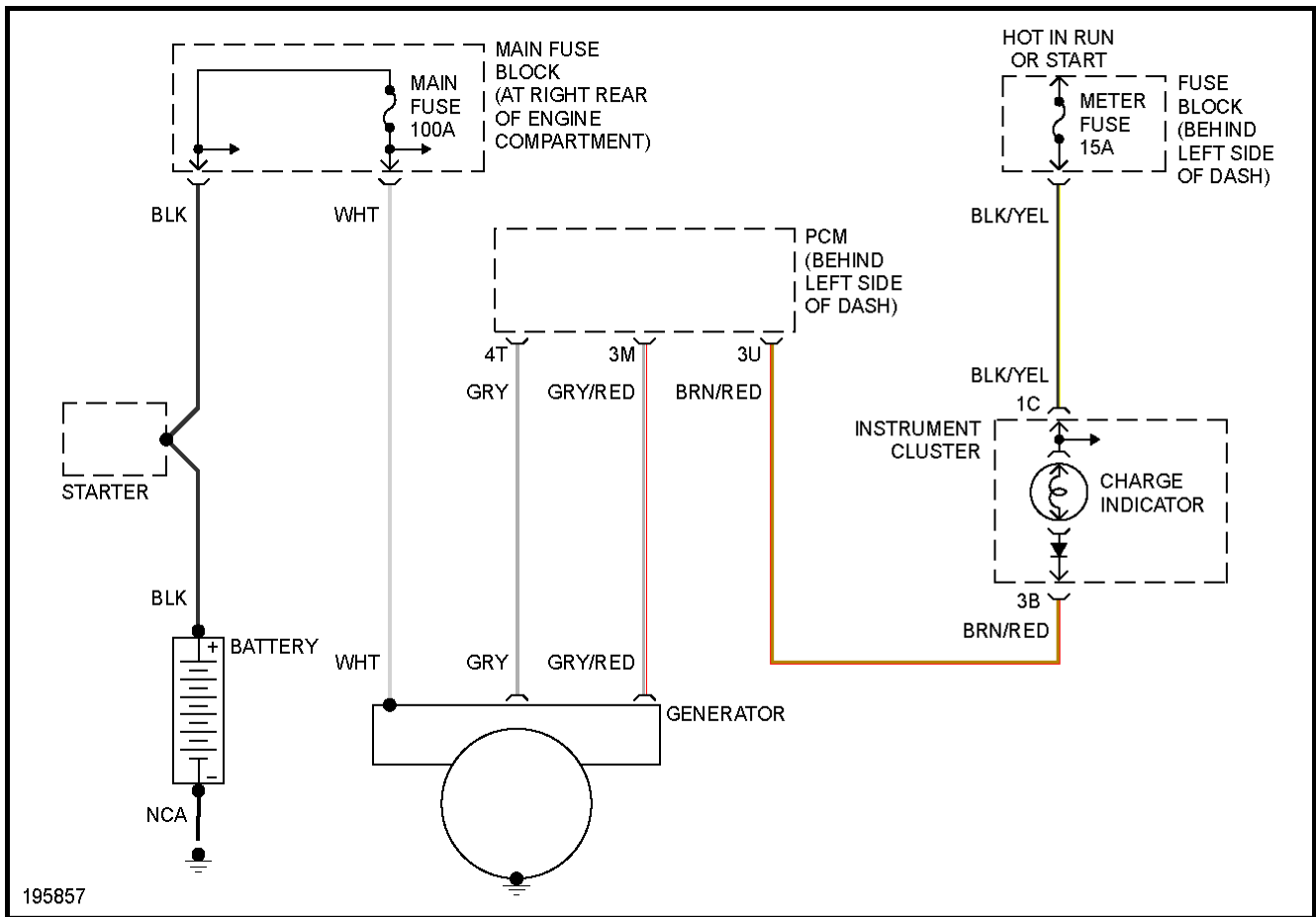


**Fig. 28: Shift Interlock Circuit**

**STARTING/CHARGING**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



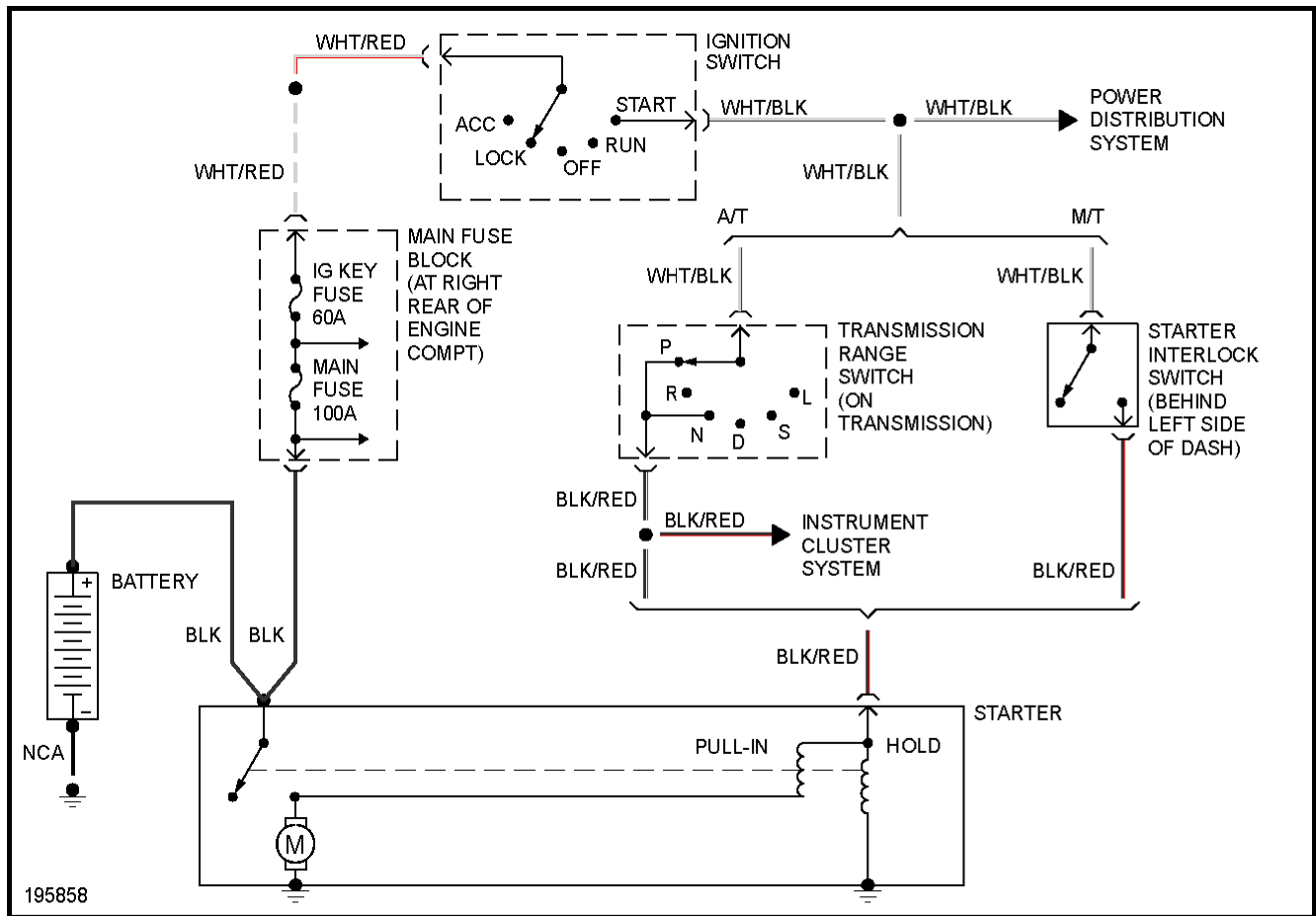
**2005 Mazda MX-5 Miata**

2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

**Fig. 29: Charging Circuit**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

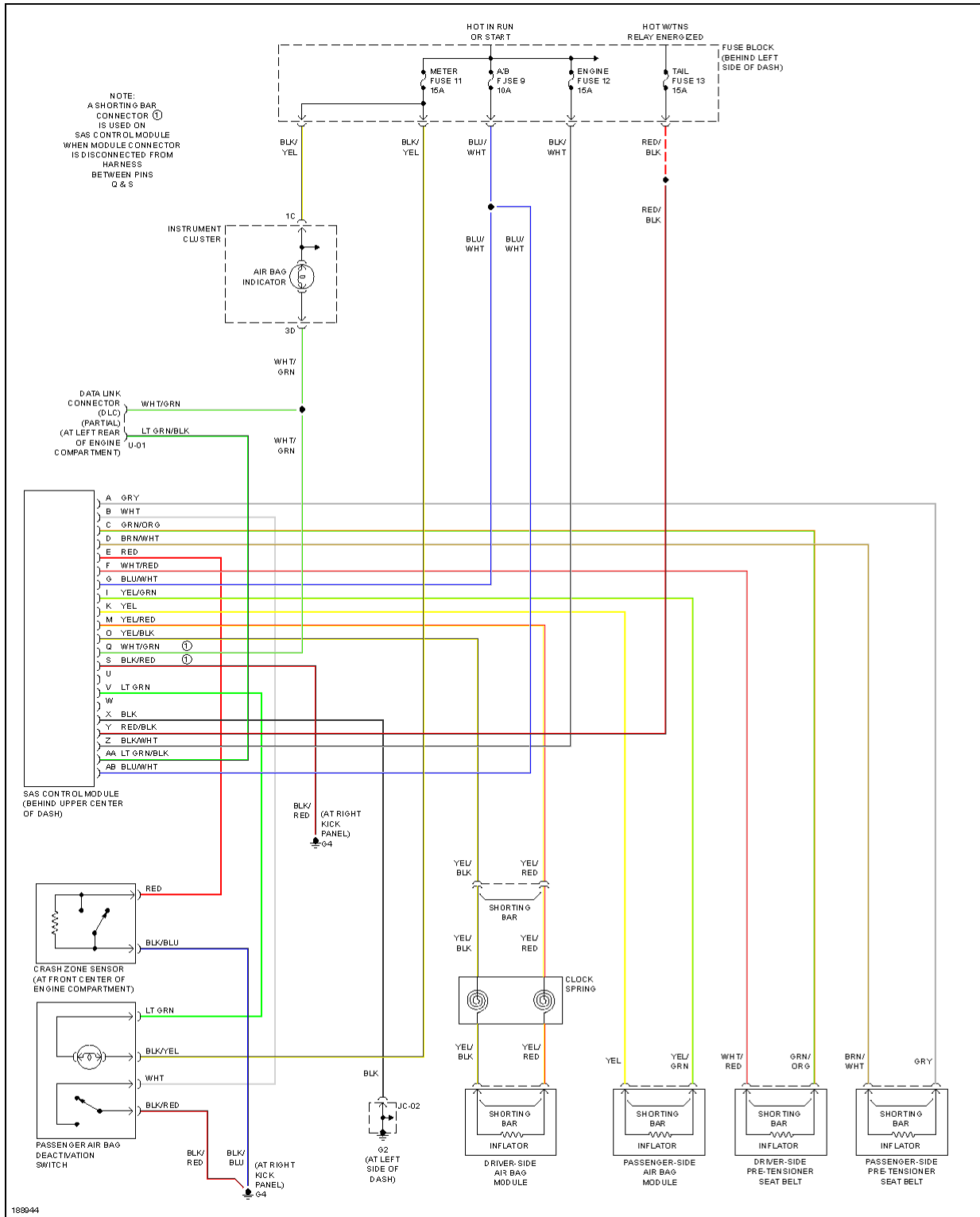


**Fig. 30: Starting Circuit**

**SUPPLEMENTAL RESTRAINTS**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

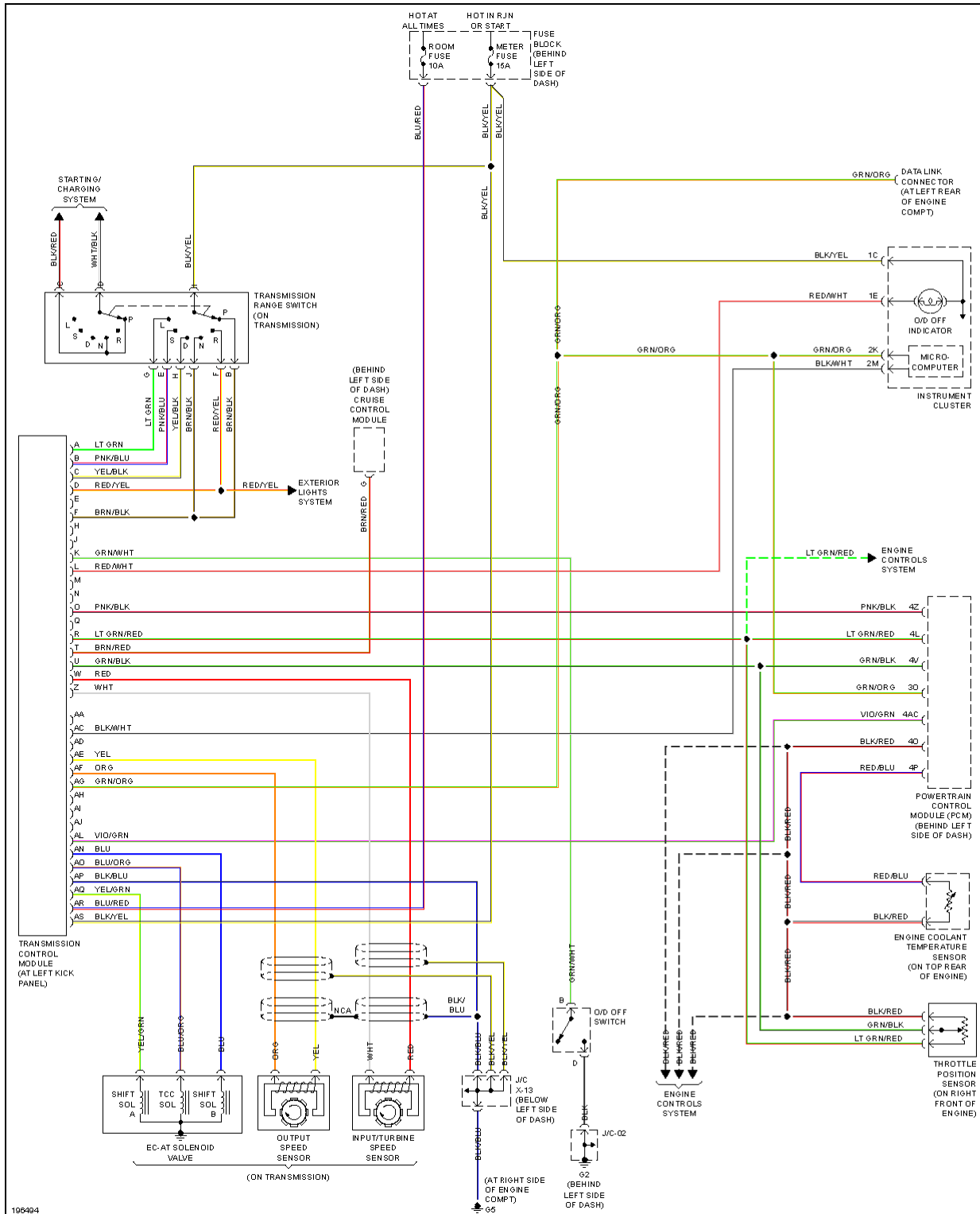


**Fig. 31: Supplemental Restraints Circuit**

## **TRANSMISSION**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



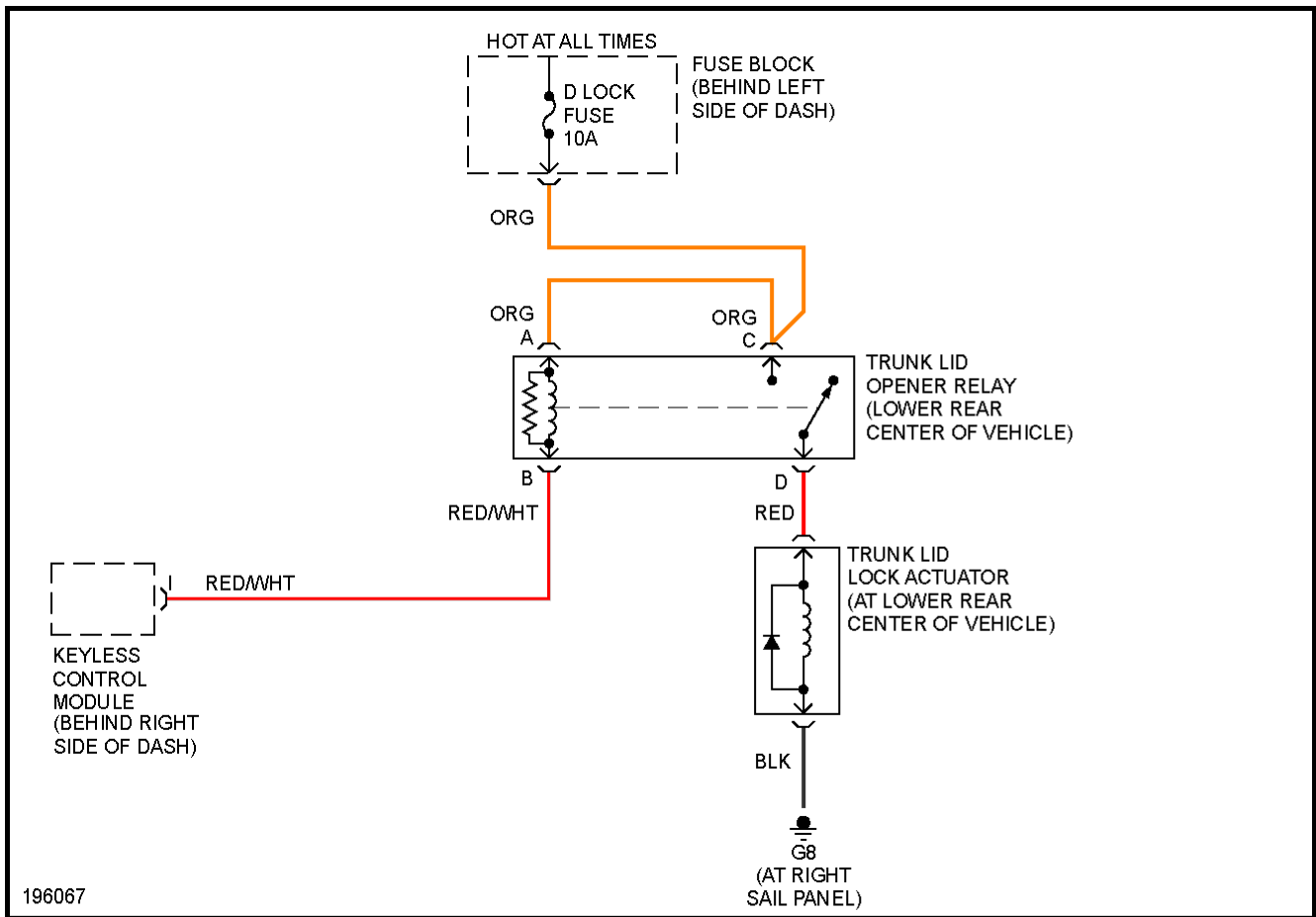


**Fig. 32: A/T Circuit**

**TRUNK, TAILGATE, FUEL DOOR**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



**Fig. 33: Trunk Release Circuit**

## **WARNING SYSTEMS**

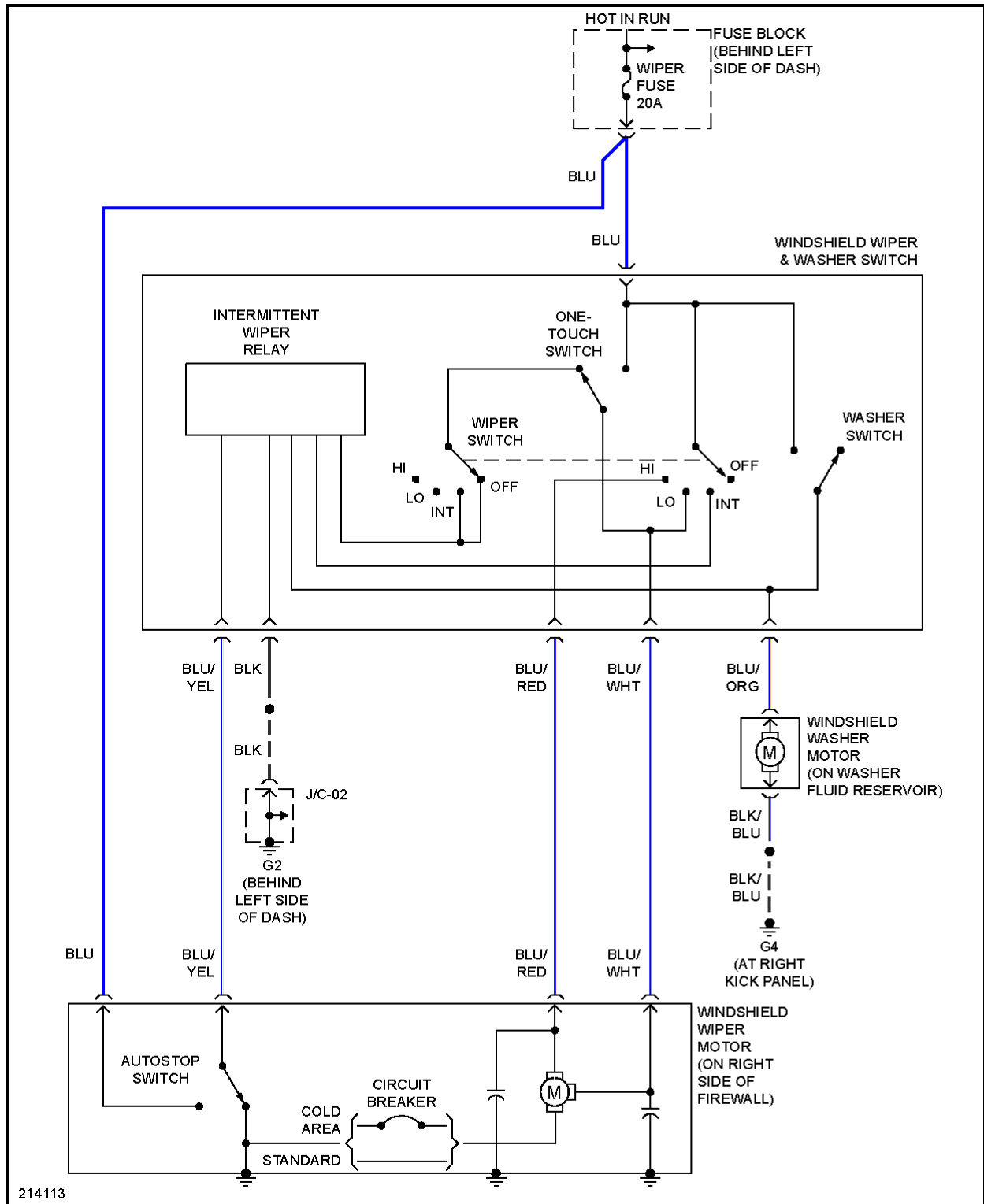


**Fig. 34: Warning Systems Circuit**

**WIPER/WASHER**

# 2005 Mazda MX-5 Miata

## 2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata



**2005 Mazda MX-5 Miata**

2005 SYSTEM WIRING DIAGRAMS Mazda - MX-5 Miata

**Fig. 35: Wiper/Washer Circuit**