

FUSES & CIRCUIT BREAKERS

1991 Mazda Miata

Fuses & Circuit Breakers
1990-95 Mazda

MX-5 Miata

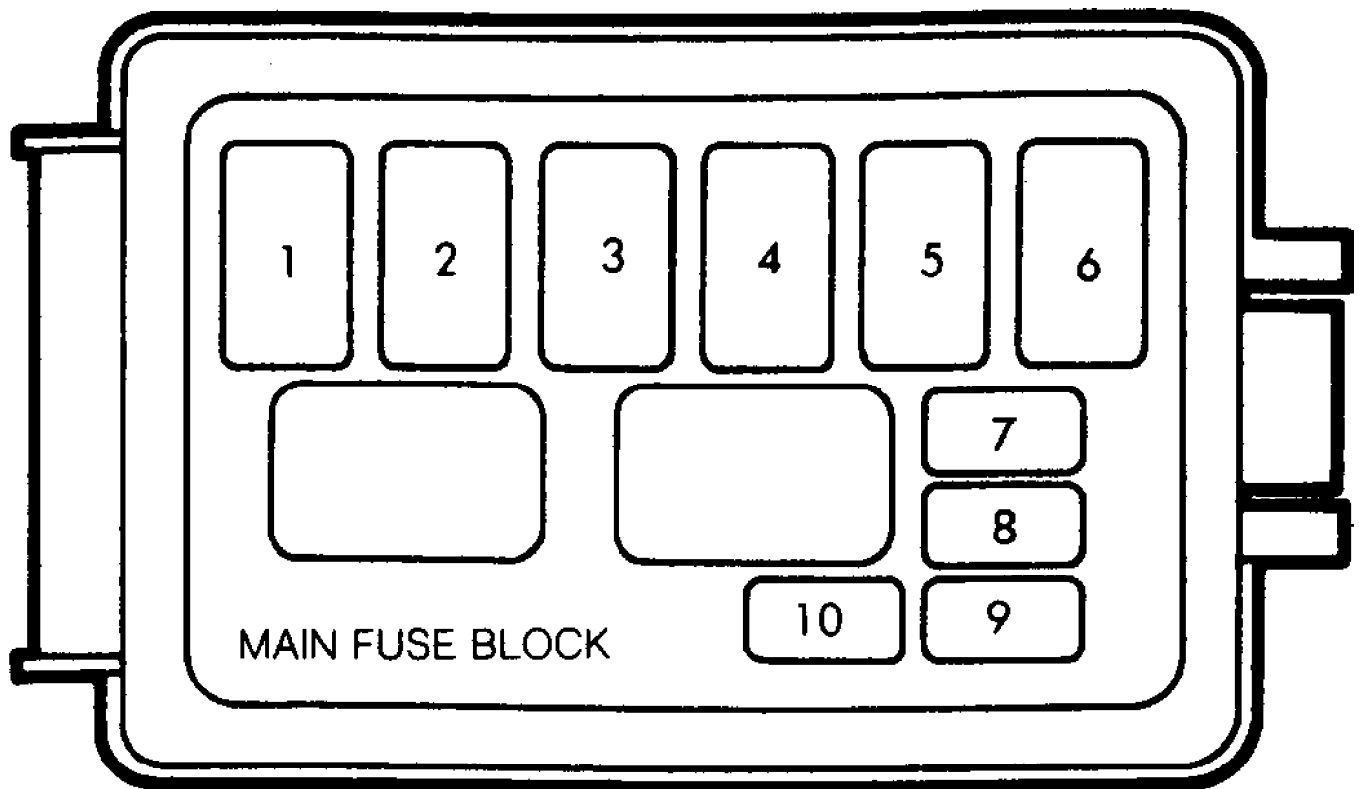
FUSES & CIRCUIT BREAKERS

FUSE PANEL LOCATION

Fuse box is located above driver's left knee, accessible through a removable cover. The main fuse block is located at the right rear of the engine compartment.

The Trunk Mounted Fuse Panel is located on the right side of the trunk, near the trunk hinge. (1992-95 Models)

MAIN FUSE BLOCK IDENTIFICATION



93J45376

Fig. 1: Main Fuse Block Identification
Courtesy of Mazda Motor of America, Inc.

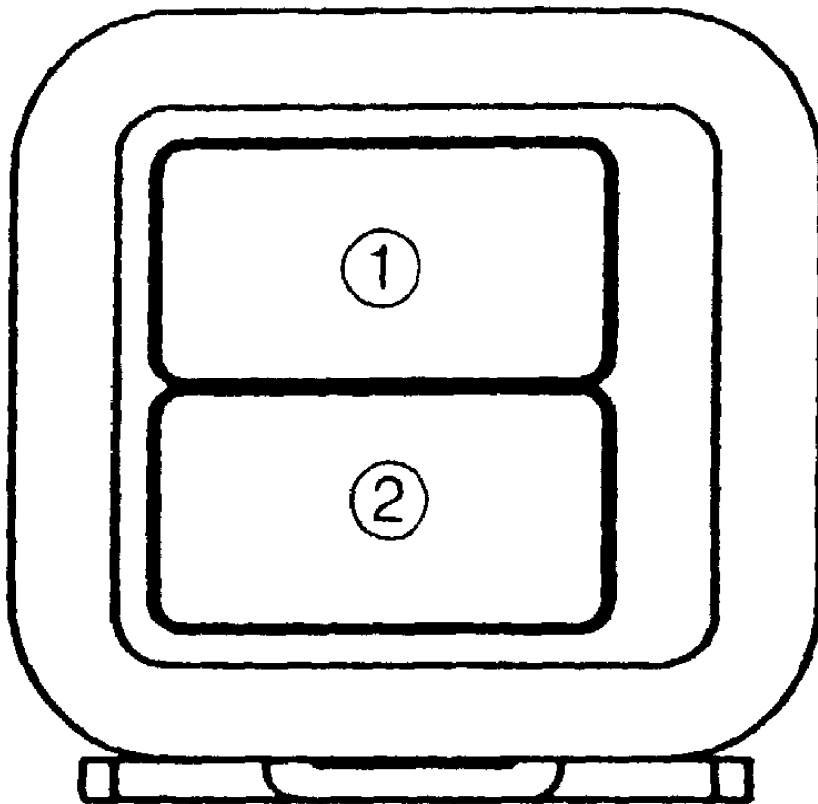
WARNING: Always disconnect battery ground cable before servicing "high-current" fuses. It is recommended that "high-current" fuses be replaced by a qualified technician.

Fuse & Circuit Breaker Identification

1 - 30 Amp (Pink)

- Headlights
- 2 - 30 Amp (Pink)
Fuel Injection, Alternator
- 3 - 80 Amp (Black)
Protection Of All Circuits
- 4 - 40 Amp (Green)
Taillights, Shift Lock, Cruise Control, Horn, Stoplights,
Hazard Warning Lights, Interior Lights, Warning Buzzers,
Radio/Cassette, Compact Disc Player, Clock
- 5 - Empty (1990)
60 Amp (Yellow) (1991-94)
Anti-Lock Brake System
- 6 - 30 Amp (Pink)
Cooling Fan
- 7 - 10 Amp (Red)
Air Bag
- 8 - 20 Amp (Yellow)
A/C Additional Fan
- 9 - 10 Amp (Red)
Fuel Injection
- 10 - 30 Amp (Pink)
Headlight Retractor

TRUNK MOUNTED FUSE PANEL IDENTIFICATION



50A11569

Fig. 2: Trunk Mounted Fuse Panel Identification (1992-94)
Courtesy of Mazda Motor of America, Inc.

Fuse & Circuit Breaker Identification

- 1 - 10 Amp (Red) (1992-94)
Rear Defroster
- 2 - 10 Amp (Red) (1992-94)
Power Antenna

INTERIOR FUSE PANEL IDENTIFICATION

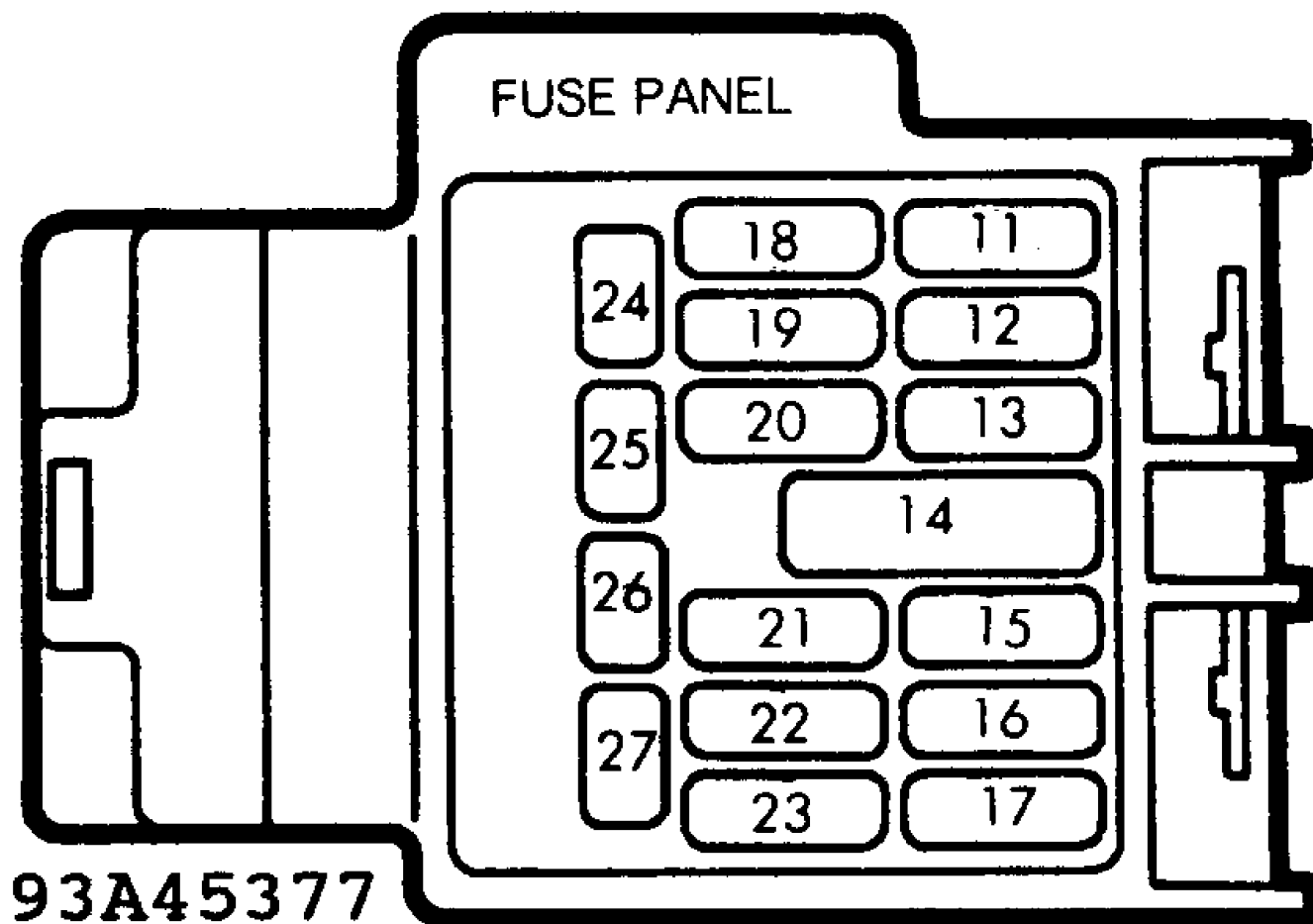


Fig. 3: Interior Fuse Panel Identification
Courtesy of Mazda Motor of America, Inc.

Fuse & Circuit Breaker Identification

- 11 - 15 Amp (Blue)
Engine Cooling Fan
- 12 - 10 Amp (Red)
Gauges, Warning Lights, Turn Signal Lights, Cruise Control
- 13 - 15 Amp (Blue)
Air Bag
- 14 - 30 Amp
Heater
- 15 - Empty
- 16 - 30 Amp (Green)
Power Windows
- 17 - 20 Amp (Yellow)
Wipers, Washers
- 18 - Empty
- 19 - 15 Amp (Blue)
Taillights

- 20 - Empty
- 21 - 15 Amp (Blue)
Shift Lock, Cruise Control, Horn, Stoplights
- 22 - 15 Amp (Blue)
Hazard Warning Lights
- 23 - Empty
- 24 - 10 Amp (Red)
Interior Lights, Warning Buzzers, Radio/Cassette, Compact
Disc Player, Clock
- 25 - 15 Amp (Blue)
Radio/Cassette, Compact Disc Player, Clock, Cigarette Lighter
- 26 - Empty
- 27 - Empty

BATTERY SPECIFICATIONS

CAUTION: When battery is disconnected, vehicles equipped with computers may lose memory data. When battery power is restored, driveability problems may exist on some vehicles. These vehicles may require a relearn procedure. See COMPUTER RELEARN PROCEDURES article in the GENERAL INFORMATION Section.

Vehicle is equipped with a special 9 9/16" x 4 3/4" x 7 3/8" 12-volt battery that is vented to outside of vehicle.

CAUTIONS & WARNINGS

SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)

NOTE: See the AIR BAGS article in the ACCESSORIES/SAFETY EQUIPMENT Section.

Modifications or improper maintenance, including incorrect removal and installation of the Supplemental Restraint System (SRS), can adversely affect system performance. DO NOT cover, obstruct or change the steering wheel horn pad in any way, as such action could cause improper function of the system. Use only plain water when cleaning the horn pad. Solvents or cleaners could adversely affect the air bag cover and cause improper deployment of the system.

WARNING: To avoid injury from accidental air bag deployment, read and carefully follow all warnings and service precautions. See appropriate AIR BAGS article in ACCESSORIES/SAFETY EQUIPMENT.

CAUTION: Disconnect negative battery cable before servicing any air bag system, steering column or passenger side dash component. After any repair, turn ignition key to the ON position from passenger's side of vehicle in case of accidental air bag inflation

AIR CONDITIONING SERVICING

CAUTION: Avoid breathing R-134a refrigerant and PAG lubricant vapors, exposure may irritate eyes, nose and throat. To remove R-134a from system use R-134a recycling equipment that meets SAE J2210 specifications. If accidental system discharge occurs, ventilate work area before resuming service.

WARNING: R-134a service equipment or vehicle A/C systems SHOULD NOT be pressure tested or leak tested with compressed air. Some

mixtures of air/R134a have shown to be combustible at elevated pressures. These mixtures are dangerous and may cause fire and/or explosions. See AIR CONDITIONING SERVICE article in GENERAL INFORMATION section.

ANTI-LOCK BRAKE SYSTEM

The anti-lock brake system contains electronic equipment that can be susceptible to interference caused by improperly installed or high output radio transmitting equipment. Since this interference could cause the possible loss of the anti-lock braking capability, such equipment should be installed by qualified professionals.

On models equipped with anti-lock brake systems, ALWAYS observe the following cautions:

- * DO NOT attempt to bleed hydraulic system without first referring to the appropriate ANTI-LOCK BRAKE SYSTEM article in the BRAKES Section.
- * DO NOT mix tire sizes. As long as tires remain close to the original diameter, increasing the width is acceptable. Rolling diameter must be identical for all 4 tires. Some manufacturers recommend tires of the same brand, style and type. Failure to follow this precaution may cause inaccurate wheel speed readings.
- * Use ONLY recommended brake fluids. DO NOT use silicone brake fluids in an ABS-equipped vehicle.

BATTERY WARNING

WARNING: When battery is disconnected, vehicles equipped with computers may lose memory data. When battery power is restored, driveability problems may exist on some vehicles. These vehicles may require a relearn procedure. See COMPUTER RELEARN PROCEDURES article in GENERAL INFORMATION section.

REPLACING BLOWN FUSES

Before replacing a blown fuse, remove ignition key, turn off all lights and accessories to avoid damaging the electrical system. Be sure to use fuse with the correct indicated amperage rating. The use of an incorrect amperage rating fuse may result in a dangerous electrical system overload.

BRAKE PAD WEAR INDICATOR

Indicator will cause a squealing or scraping noise, warning that brake pads need replacement.

CATALYTIC CONVERTER

Continued operation of vehicle with a severe malfunction could cause converter to overheat, resulting in possible damage to converter and vehicle.

Any modification to the exhaust system on turbo models, which reduces exhaust backpressure, will lead to lean fuel mixtures and excessive spark advance. This could cause serious engine damage.

ELECTROSTATIC DISCHARGE SENSITIVE (ESD) PARTS

WARNING: Many solid state electrical components can be damaged by static electricity (ESD). Some will display a warning label,

but many will not. Discharge personal static electricity by touching a metal ground point on the vehicle prior to servicing any ESD sensitive component.

ENGINE OIL

CAUTION: Never use non-detergent or straight mineral oil.

FUEL SYSTEM SERVICE

WARNING: Relieve fuel system pressure prior to servicing any fuel system component (fuel injection models).

HALOGEN BULBS

Halogen bulbs contain pressurized gas which may explode if overheated. DO NOT touch glass portion of bulb with bare hands. Eye protection should be worn when handling or working around halogen bulbs.

HEADLIGHT RETRACTOR

CAUTION: If headlight retractor freezes during cold weather operation, DO NOT attempt to force mechanism. Headlights should be kept raised at all times in cold weather. To raise them, use only headlight retractor switch. DO NOT use headlight switch.

RADIATOR CAP

CAUTION: Always disconnect the fan motor when working near the radiator fan. The fan is temperature controlled and could start at any time even when the ignition key is in the OFF position. DO NOT loosen or remove radiator cap when cooling system is hot.

WARNING: RADIATOR FAN

Keep hands away from radiator fan. Fan is controlled by a thermostatic switch which may come on or run for up to 15 minutes even after engine is turned off.