

FUSES & CIRCUIT BREAKERS

Article Text

1995 Cadillac Concours
For Ace Mechanics 123 Main Street San Diego Ca 92126
Copyright © 1997 Mitchell International
Friday, November 28, 2003 07:32PM

ARTICLE BEGINNING

Fuses & Circuit Breakers
1994-95 Cadillac

DeVille

FUSES & CIRCUIT BREAKERS

HIGH-CURRENT FUSE PANEL IDENTIFICATION (1994-95)

The Maxi-Fuse ("high-current") and Relay Panel is located next to the engine compartment fuse block.

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

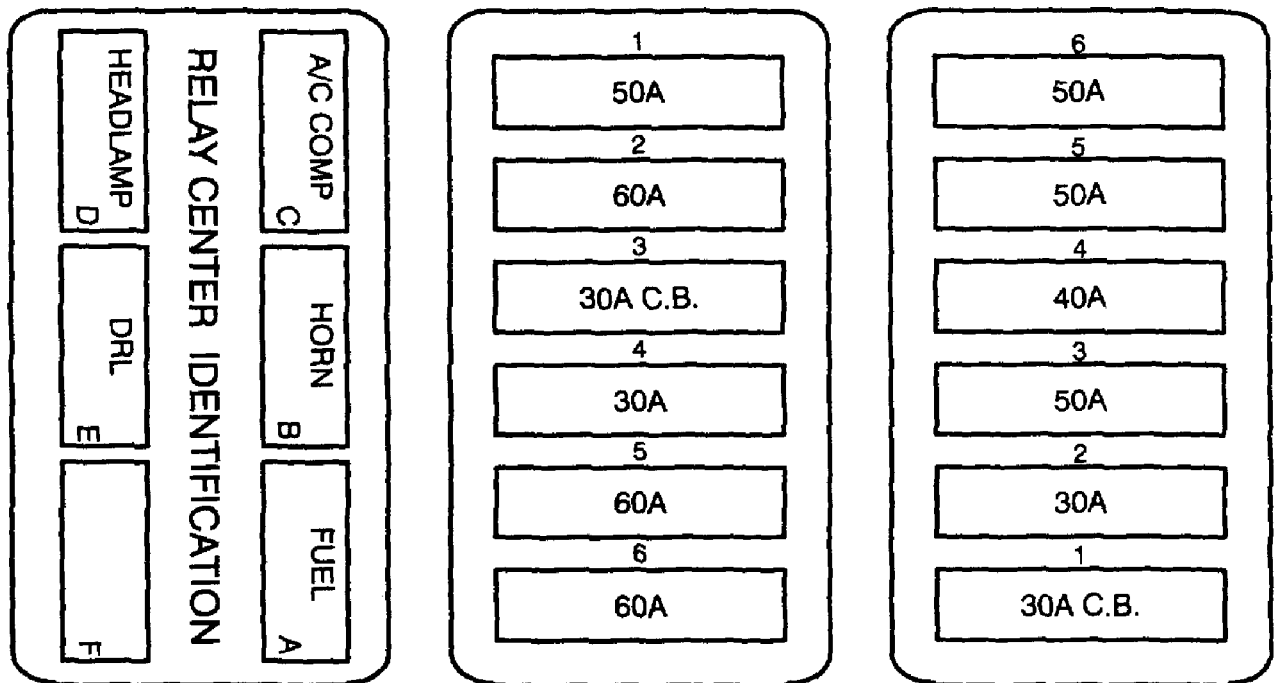


Fig. 1: High-Current Fuse Panel Identification (1994-95)
Courtesy of General Motors Corp.

L/H Maxi-Fuse & Circuit Breaker Identification

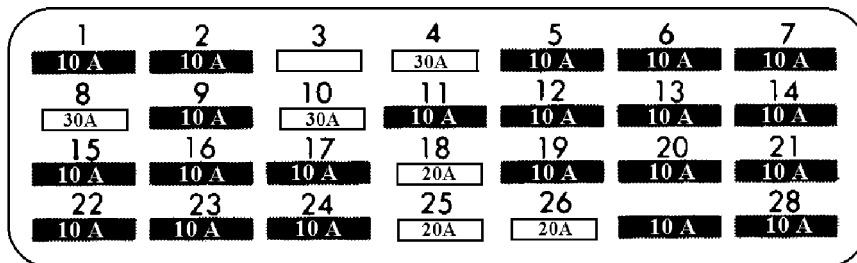
- 1 - 50 Amp STRG 1-2
Retained Accessory Power (Radio/Wipers), Starter, Trunk Comp
Fuses 8 & 9
- 2 - 60 Amp BODY

- Engine Comp Fuse 9, Road Sensing Suspension, Fog Lights, Trunk Comp Fuses 16, 17, 18, 19, 20 & 21
- 3 - 30 Amp Circuit Breaker SEAT
Power seat switches, Lumbar Relays, Power Door Locks, Keyless Entry Module, Horns, Fuel Door/Trunk Release Switch
- 4 - 30 Amp IPC
Powertrain Control Module, Electronic Climate Control, RAP/Illuminated Entry Module, Instrument panel Cluster, Pass-Key Decoder Module, Theft Deterrent
- 5 - 60 Amp HVAC
L & R Heated Seats, Electronic Level Control, Deck Lid Pull Down, Power Antenna, Rear Defogger, Heated Mirrors
- 6 - 60 Amp STRG 3
Retained Accessory Power (Sunroof/Power Windows), Engine Comp Fuses 26, 27, & 28, Trunk Comp Fuses 3, 4, 5, 6, & 7

R/H Maxi-Fuse & Circuit Breaker Identification

- 1 - 30 Amp DAB Circuit Breaker
Retained Accessory Power (Sunroof/Power Windows)
- 2 - 30 Amp RADIO
Delco-Bose Speakers, Radio Control Head, Remote Radio Receiver
- 3 - 50 Amp COOL
Cooling Fans
- 4 - 40 Amp HVAC BLOWER (MOTOR)
HVAC Power Motor, A/C Compressor
- 5 - 50 Amp ABS (BRAKES)
Brake Pressure Modulator Valve
- 6 - 50 Amp LAMPS
Turn Flasher Module, Hazard Flasher, Stop/BTSI/Cruise Brake Switch, Parking Lights, Daytime Running Lights (Canada), Engine Comp Fuses 12, 13 & 14, Trunk Comp Fuses 22 & 23

TRUNK COMPARTMENT FUSE PANEL IDENTIFICATION (1993-95)



TRUNK COMPARTMENT FUSE BLOCK

93J44817

Fig. 2: Trunk Compartment Fuse Panel Identification (1993-95)

Courtesy of General Motors Corp

Fuse & Circuit Breaker Identification (1993)

- 1 - 10 Amp
Retained Accessory Power, Illuminated Entry, DERM Module, Starter
- 2 - 10 Amp
Catalytic Converter Alarm (Export), Fuel level Sensor, Turn Signals, Electric Mirror, Keyless Entry, Retained Accessory Power, Illuminated Entry, Theft Deterrent Module
- 3 - Not Used
- 4 - 30 Amp
Headlight Washer (Export)
- 5 - 10 Amp
Instrument Panel Cluster
- 6 - 10 Amp
Rear Blower Motor, Console Switch
- 7 - 10 Amp
Electric Brake Control (4.9L), Electric Brake/Traction Control (4.6L)
- 8 - 30 Amp
Wiper/Washer Switch
- 9 - 10 Amp
Remote Radio Receiver
- 10 - 30 Amp
Rear Defogger
- 11 - 10 Amp
Heated Mirrors
- 12 - 10 Amp
Instrument Panel Cluster
- 13 - 10 Amp
Pass Key Decoder Module, Theft Deterrent Relay/Module
- 14 - 10 Amp
Heater/A/C Programmer, Retained Accessory Power, Illuminated Accessory Power
- 15 - 10 Amp
Rear Fog Lights (Export)
- 16 - 10 Amp
Fog Lights (4.6L)
- 17 - 10 Amp
Rear Blower Motor
- 18 - 20 Amp
Cigarette Lighters, Chime Module
- 19 - 10 Amp
Power Mirror Switch, Retained Accessory Power, Trunk/Courtesy Lights, Console Switch, Panel Light Inhibit (Export), Keyless Entry Module
- 20 - 10 Amp
Power Door Locks, Door Lock Cylinder Light, Glove Box Light

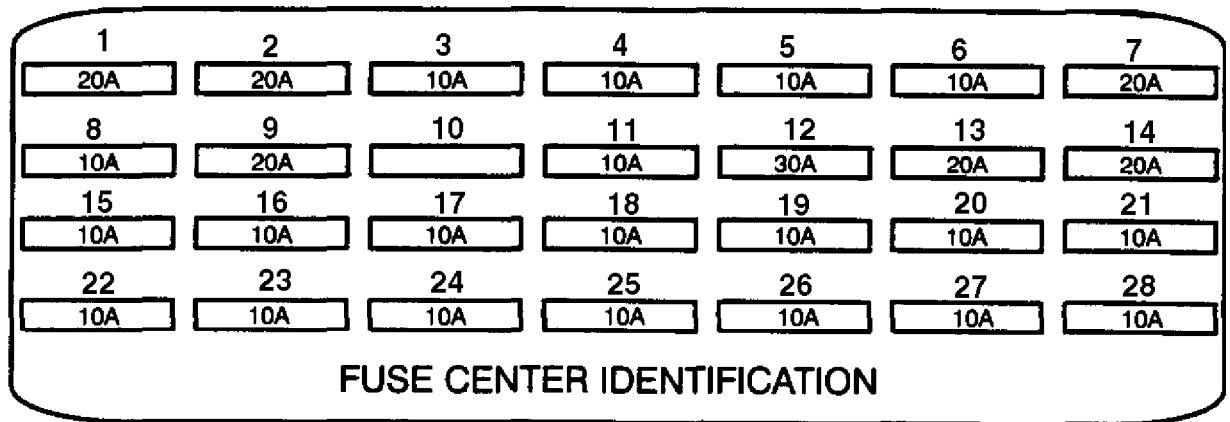
- Footwell Lights, Twilight Sentinel, DRL Module, Headlight Switch
- 21 - 10 Amp
Vanity Mirrors, Garage Door Openers, Front/Rear Header Lights
- 22 - 10 Amp
Radio Dimming, Headlight Switch, Instrument Panel Cluster, Left Park/Turn/Marker/Tail/Stoplights
- 23 - 10 Amp
Right Park/Turn/Marker/Tail/Stoplights, License Lights, Engine Compartment Light
- 24 - 10 Amp
Remote Radio Receiver, Radio Control Head
- 25 - 20 Amp
Trunk Pull-Down, Power Antenna
- 26 - 20 Amp
Electronic Level Control
- 27 - 10 Amp
Passenger Heated Seat
- 28 - 10 Amp
Driver Heated Seat

Fuse & Circuit Breaker Identification (1994-95)

- 1 - 10 Amp CRANK
Retained Accessory Power, Illuminated Entry, DERM Module, Transaxle Range Switch
- 2 - 10 Amp IGN 1
Catalytic Converter Alarm (Export), Fuel level Sensor, Turn Signals, Electric Mirror, ,Keyless Entry, Retained Accessory Power, Illuminated Entry, Theft Deterrent Module, Turn Flasher Relay "F",
- 3 - 30 Amp HDLP WASH
Headlight Washer Module (Export Only)
- 4 - Not Used
- 5 - 10 Amp IPC (IGN)
Instrument Panel Cluster
- 6 - 10 Amp RTD
Road Sensing Suspension, Speed Sensitive Suspension, RSS Damper Relay "F"
- 7 - 10 Amp ABS
Electric Brake/Traction Control Module
- 8 - 30 Amp WIPER
Wiper/Washer Switch
- 9 - 10 Amp RAD (IGN)
Remote Radio Receiver
- 10 - 30 Amp R DEFOG
Rear Defogger
- 11 - 10 Amp HTD MIRR

- Heated Mirrors
- 12 - 10 Amp IPC (BAT)
Instrument Panel Cluster
- 13 - 10 Amp THEFT
Passkey Decoder Module, Theft Deterrent Relay "D", Theft
Deterrent Module
- 14 - 10 Amp HVAC
Heater/A/C Programmer, Retained Accessory Power, Illuminated
Accessory Power
- 15 - 10 Amp RADIO (AMP)
Active Audio Amplifier
- 16 - 10 Amp TRAILER
Trailer L & R Turn Relay
- 17 - 10 Amp ANT
Rear Blower Relay "E", Power Antenna Relay
- 18 - 20 Amp CIGAR
Cigarette Lighters, Chime Module
- 19 - 10 Amp BODY 2
Power Mirror Switch, Retained Accessory Power, Trunk/Courtesy
Lights, Console Switch, Panel Light Inhibit (Export), Keyless
Entry Module
- 20 - 10 Amp BODY 1
Power Door Locks, Door Lock Cylinder Light, Glove Box Light,
Footwell Lights, Twilight Sentinel, DRL Module, Headlight
Switch
- 21 - 10 Amp READ LP
Vanity Mirrors, Garage Door Openers, Front/Rear Header Lights
- 22 - 10 Amp L PRK LP
Radio Dimming, Headlight Switch, Instrument Panel Cluster,
Left Park/Turn/Marker/Tail/Stoplights
- 23 - 10 Amp R PRK LP
Right Park/Turn/Marker/Tail/Stoplights, License Lights,
Engine Compartment Light
- 24 - 10 Amp RAD (BAT)
Remote Radio Receiver, Radio Control Head
- 25 - 20 Amp TRUNK PLD
Trunk Pull-Down, Power Antenna
- 26 - 20 Amp ELC
Electronic Level Control
- 27 - 10 Amp R HTD SEAT
Passenger Heated Seat
- 28 - 10 Amp L HTD SEAT
Driver Heated Seat

FUSE PANEL IDENTIFICATION (1994-95)



50D06715

Fig. 3: Fuse Panel Identification (1994-95)

Courtesy of General Motors Corp.

Fuse & Circuit Breaker Identification

- 1 - 20 Amp DISTR
Ignition Control Module
- 2 - 20 Amp SIR
DERM, Dual Pole Arming Sensor
- 3 - 10 Amp PCM (IGN)
Powertrain Control Module, Pass-Key Decoder Module
- 4 - 10 Amp INJ
Fuel Injectors 1, 4, 6 & 7
- 5 - 10 Amp INJ
Fuel Injectors 2, 3, 5 & 8
- 6 - 10 Amp IGN 1
A/C Refrigerant Press. Switch, Transaxle Range Switch,
Stop/BTSI/Cruise Brake Switch, Instrument Panel Cluster,
Keyless Entry Module, DERM, Cornering Lights,
Turn/Hazard Switch Assy., Chime Module, Headlight Switch,
Twilight Sentinel/DRL Module
- 7 - 20 Amp FUEL PUMP
Fuel Pump, Oil Press. Switch, Powertrain Control Module
- 8 - 10 Amp PCM (BAT)
Powertrain Control Module
- 9 - 20 Amp RTD (BAT)
Road Sensing Suspension (RSS) Module
- 10 - Not Used
- 11 - 10 Amp A/C Comp
A/C Compressor Clutch
- 12 - 30 Amp HDLPS
Headlight Dimmer Switch, Headlight Relay "D" (Micro Relay
Center) DRL Headlight Relay "E", Power C13
- 13 - 20 Amp STOP LP
Stop/BTSI/Cruise Switch, Stoplight Switch Capacitor

- 14 - 20 Amp TURN/HAZ
Hazard Flasher, Turn Flasher Relay, Turn Flasher Module
- 15 - 10 Amp DRL
Daytime Running Lights (Canada)
- 16 - 10 Amp DRL
DRL Module (Canada), Left & Right Lo Beam Headlamp
- 17 - 10 Amp HTD W/S
Heated Windshield Control Module
- 18 - 10 Amp LR STRUT
Left Rear Strut
- 19 - 10 Amp RR STRUT
Right Rear Strut
- 20 - 10 Amp LF STRUT
Left Front Strut
- 21 - 10 Amp RF STRUT
Right Front Strut
- 22 - 10 Amp L HDLP LO
Left Lo Beam Headlamp
- 23 - 10 Amp R HDLP LO
Right Lo Beam Headlamp
- 24 - 10 Amp L HDLP HI
Left Hi Beam Headlamp
- 25 - 10 Amp R HDLP HI
Right Hi Beam Headlamp
- 26 - 10 Amp IGN 3
Rear Defogger Relay, Electronic Level Control (ELC),
Heated Windshield, Heater and A/C Programmer, Cruise Control
- 27 - 10 Amp COOL FAN
Cooling Fan, Extended Travel Brake Sw., Powertrain Control
Module (PCM), Cooling Fan Relays 1, 2, and 3, Front & Rear
Heated O2 Sensor
- 28 - 10 Amp TRANS
Overspeed Alert Module (Export), Power Steering Pressure
Switch, Exhaust Gas Recirculation (EGR) Valve,
Transaxle Shift Solenoids A & B,
Evaporative Emission Control Solenoid,
Powertrain Control Module (PCM), Torque Converter Clutch
Solenoid, TCC Brake Switch

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.

Modification to the air bag system component or wiring can adversely affect system performance and possibly cause injury.

CAUTION: The Diagnostic Energy Reserve Module (DERM) can maintain enough voltage to cause a deployment of the inflator module for up to 10 minutes after the ignition switch is turned off and the battery is disconnected. Many of the service procedures require disconnection of the inflator module to avoid an accidental deployment.

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.

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.

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 the COMPUTER RELEARN PROCEDURES article in the GENERAL INFORMATION section.

BRAKE PAD WEAR INDICATOR

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

CATALYTIC CONVERTER (GASOLINE MODELS)

To prevent catalytic converter overheating, DO NOT allow engine to idle for more than 20 minutes.

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.

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.

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.

RADIATOR FAN

WARNING: 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.

SPARK PLUGS

NOTE: Allow engine to cool before removing spark plugs from aluminum cylinder heads.

TRACTION OFF SYSTEM (IF EQUIPPED)

CAUTION: If tires are allowed to spin at high speeds when TRACTION OFF light is on, tires can explode. Also, spinning the tires with the warning light on can cause the transaxle to overheat. DO NOT spin wheels above 35 MPH.

END OF ARTICLE