

Electrical System

Add-On Electrical Equipment

NOTICE:

Don't add anything electrical to your vehicle unless you check with your dealer first. Some electrical equipment can damage your vehicle and the damage wouldn't be covered by your warranty. Some add-on electrical equipment can keep other components from working as they should.

Your vehicle has an air bag system. Before attempting to add anything electrical to your vehicle, see “Servicing Your Air Bag-Equipped Vehicle” in the Index.

Headlamps

The headlamp wiring is protected by a circuit breaker. An electrical overload will cause the lamps to go on and off, or in some cases to remain off. If this happens, have your headlamp wiring checked right away.

Windshield Wipers

The windshield wiper motor is protected by a circuit breaker and a fuse. If the motor overheats due to heavy snow, etc., the wiper will stop until the motor cools. If the overload is caused by some electrical problem and not snow, etc., be sure to get it fixed.

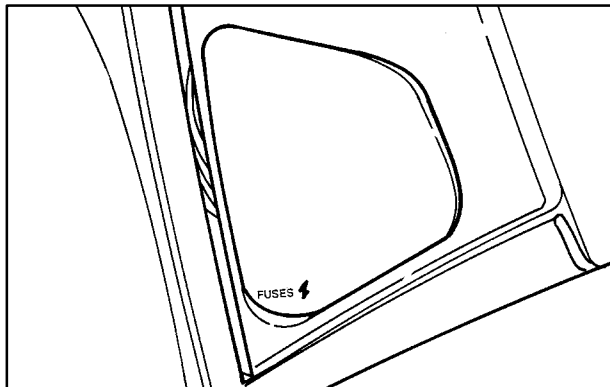
Power Windows and Other Power Options

Circuit breakers protect the power windows and other power accessories. When the current load is too heavy, the circuit breaker opens and closes, protecting the circuit until the problem is fixed or goes away.

Fuses and Circuit Breakers

The wiring circuits in your vehicle are protected from short circuits by a combination of fuses, circuit breakers and fusible thermal links in the wiring itself. This greatly reduces the chance of fires caused by electrical problems.

There are three fuse centers on your vehicle. One (main fuse block) is located behind a cover in the left side of your instrument panel.



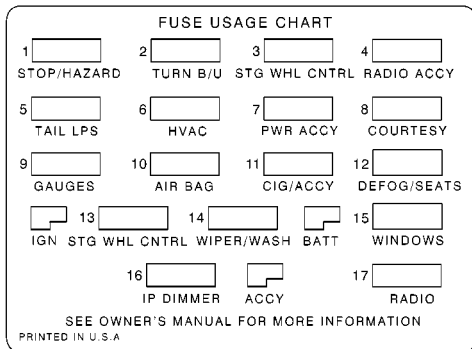
The other two are in the engine compartment. Open the cover on the boxes to expose the fuses.



Look at the silver-colored band inside the fuse. If the band is broken or melted, replace the fuse. Be sure you replace a bad fuse with a new one of the correct size.

If you ever have a problem on the road and don't have a spare fuse, you can borrow one. Just pick some feature of your car that you can get along without -- like the radio or cigarette lighter -- and use its fuse, if it is the size you need. Replace it as soon as you can.

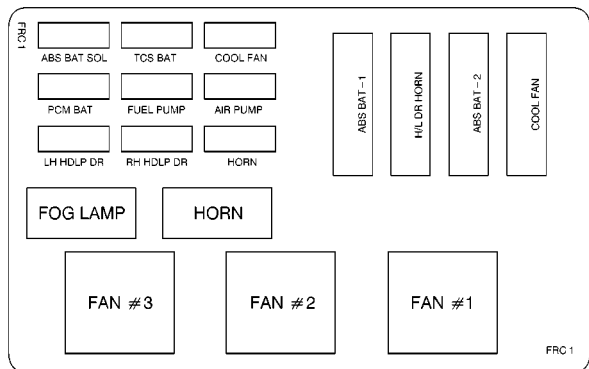
Main Fuse Block



Fuse	Usage
STOP/HAZARD	Hazard Flashers, Brake Switch Assembly
TURN B/U	Traction Control Switch, Back/Up Lamp Switch, Turn Flasher, Daytime Running Lamps (DRL) Module
STG WHEEL CNTRL	Steering Wheel Controls
RADIO ACCY	Delco Monsoon Radio Amplifier, Power Antenna, Remote CD Player (Hatch)
TAIL LPS	Daytime Running Lamps (DRL) Module, Headlamp Switch
HVAC	HVAC Selector Switch, Rear Defogger Switch/Timer
PWR ACCY	Parking Lamp Relay, Hatch Release Relay, Power Mirror Switch, Radio, Shock Sensor, Instrument Cluster
COURTESY	Body Control Module (BCM)
GAUGES	Body Control Module (BCM), Brake-Transmission Shift Interlock (BTSI), Instrument Cluster, Daytime Running Lamps (DRL) Module
AIR BAG	Air Bag

Fuse	Usage	Fuse	Usage
CIG/ACCY	Cigarette Lighter, Data Link Connector (DLC), Auxiliary Accessory Wire	IP DIMMER	Door Illumination Lamp (Right-Hand, Left-Hand), Headlamp Switch, Fog Lamp Switch, Instrument Cluster, HVAC Control Assembly, PRNDL Illumination Lamp, Ashtray Lamp, Radio, Rear Window Defogger Switch/Timer, Traction Control Switch (TCS), Convertible Top Switch
DEFOG/SEATS	Rear Defogger Switch/Timer, Rear Defogger Timer/Relay, Power Seats	ACCY	Aftermarket Use Only
IGN	Aftermarket Use Only	RADIO	Body Control Module (BCM), Radio, Amplifier, Steering Wheel Controls-Radio
STG WHEEL CNTRL	Steering Wheel Controls		
WIPER/WASH	Wiper Motor Assembly, Wiper/Washer Switch		
BATT	Aftermarket Use Only		
WINDOWS	Power Windows Switch (Right-Hand, Left-Hand), Express-Down Module, Convertible Top Switch		

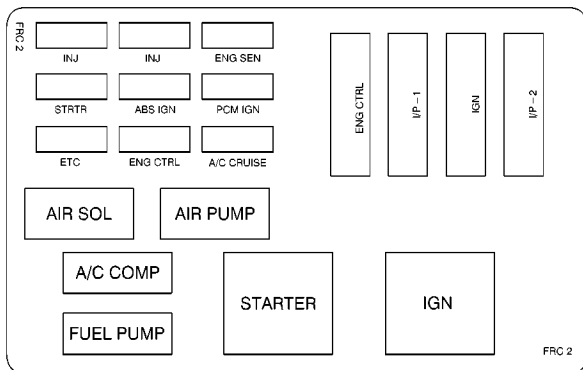
Underhood Electrical Center



Fuse and Relay Center 1

Fuse	Usage
ABS BAT SOL	Anti-Lock Brake System
TCS BAT	Traction Control System
COOL FAN	Cooling Fan Control

Fuse	Usage
PCM BAT	Powertrain Control Module (PCM)
FUEL PUMP	Fuel Pump
AIR PUMP	A.I.R. Pump Relay and Bleed Valve
LH HDLP DR	Left Headlamp Door Module
RH HDLP DR	Right Headlamp Door Module
HORN	Horn Relay
ABS BAT-1	Anti-Lock Brake System Module
H/L DR HORN	Horn and Headlamp Doors
ABS BAT-2	Anti-Lock Brake and Traction Control System
COOL FAN	Cooling Fan Relays
Relay	Description
FOG LAMP	Fog Lamps
HORN	Horn
FAN #3	Cooling Fans
FAN #2	Cooling Fans
FAN #1	Cooling Fans



Fuse and Relay Center 2

Fuse	Usage
INJ	Fuel Injectors (Not used for V6) (LH injectors for V8 Ignition Module)
INJ	Fuel Injectors (All for V6) (RH injectors for V8 and Ignition Module)
ENG SEN	Mass Air Flow Sensor, Heated Oxygen Sensor, Skip Shift Solenoid (V8 Only), Reverse Lockout Solenoid, Brake Switch
STRTR	Powertrain Control Module (PCM), Clutch Pedal Switch
ABS IGN	Anti-Lock Brake System Module
PCM IGN	Powertrain Control Module (PCM)
ETC	Electronic Throttle Control (V6 Only)
ENG CTRL	Ignition Module (V6 Only), Automatic Transmission, Charcoal Canister Purge Solenoid
A/C CRUISE	Air Conditioning Compressor Relay, Cruise Control Switches and Module
ENG CTRL	Engine Controls, Fuel Pump, Powertrain Control Module (PCM), A.I.R. Pump and Cooling Fans

Fuse	Usage
I/P-1	HVAC Blower Control and Relay
IGN	Ignition Switch, Relay and Starter Enable Relay
I/P-2	Instrument Panel Fuse Center
Relay	Description
AIR SOL	Air Solenoid
AIR PUMP	Air Pump
A/C COMP	Air Conditioning Compressor
FUEL PUMP	Fuel Pump
STARTER	Starter
IGN	Engine Controls, Cruise Controls, Air Conditioning

Replacement Bulbs

Back-up	3155
Center High-Mounted Stoplamp	921
Front Parking and Turn Signal	3157NAK
Headlamp	
High Beam	4701
Low Beam	4703
Sidemarker Lamp	194
Tail Lamp Only	194
Tail/Stop/Turn Lamps	3057

Capacities and Specifications

The following approximate capacities are given in English and metric conversions. Please refer to “Recommended Fluids and Lubricants” in the Index for more information.

Air Conditioning†	See the refrigerant information label under the hood.
Automatic Transmission	
Drain and Refill	5.0 quarts (4.7 L)
Overhaul	
3800 V6	8.8 quarts (8.3 L)
5.7L V8	10.8 quarts (10.2 L)

Cooling System

3800 V6

With Manual Transmission 11.6 quarts (11.0 L)

With Automatic Transmission . . . 11.4 quarts (10.8 L)

5.7L V8

With Manual Transmission 11.9 quarts (11.3 L)

With Automatic Transmission . . . 11.8 quarts (11.2 L)

Crankcase

Oil and

Filter Change . . . 3800 V6 (VIN K) 4.5 quarts (4.3 L)

5.7L V8 (VIN G) 5.5 quarts (5.2 L)

Fuel Tank 16.8 gallons (63.6 L)

Manual Transmission

Five-Speed 3.4 quarts (3.2 L)

Six-Speed 4 quarts (3.8 L)

Rear Axle Lubricant 1.75 quarts (1.7 L)

NOTE: All capacities are approximate. When adding, be sure to fill to the appropriate level, as recommended in this manual. Recheck fluid level after filling.

Engine Specifications

Type

VIN Engine Code K 3800 V6

VIN Engine Code G 5.7L V8

Fuel Delivery Fuel Injection

Valve Arrangement In-Head

Displacement

3800 V6 231 cubic inches (3791 cc)

5.7L V8 350 cubic inches (5662 cc)

Firing Order

3800 V6 1-6-5-4-3-2

5.7L V8 1-8-7-2-6-5-4-3

Wheel Nut Torque 100 lb-ft (140 N·m)

Thermostat Starts

to Open 177°-184°F (81°-85°C)

Air Conditioning Refrigerants

Not all air conditioning refrigerants are the same. If the air conditioning system in your vehicle needs refrigerant, be sure the proper refrigerant is used. If you're not sure, ask your dealer.