

6

In Case of Emergency

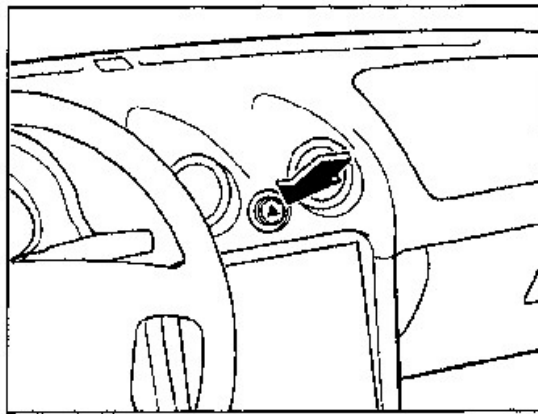
Because an emergency can occur anytime, we strongly urge you to become familiar with this section of your manual. It provides helpful information on what to do if the engine overheats, if you have a flat tire, and if the battery is discharged.

You will also find out what to do if you confront a problem in the electrical system; and, there's some guidance on the correct way to tow your Mazda.

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Hazard Warning Flasher



The hazard warning lights warn other drivers that your vehicle is a traffic hazard and that they must take extreme caution when near it.

The hazard warning lights should always be used when you stop on or near a roadway.

Depress the hazard warning switch and all four turn signals will flash at once.

NOTE

- The turn signals don't work when the hazard warning lights are on.
- Check local regulations about the use of hazard warning lights while the vehicle is being towed. They may forbid it.

Overheating

If the temperature gauge indicates overheating, if you experience power loss, or if you hear a loud knocking or pinging noise, the engine is probably too hot.

If this happens:

1. Drive safely to the side of the road and park off the right-of-way.
2. Set an automatic transmission in P, a manual transmission in neutral. Apply the parking brake.

 **WARNING**

Steam from Overheated Engine:
Steam from overheated engine is dangerous. The escaping steam could seriously burn you. Open the hood ONLY after steam is no longer escaping from the engine.

3. Check whether coolant or steam is escaping from under the hood or from the engine compartment.

If steam is coming from the engine compartment, don't go near the front of the vehicle. Stop the engine. Then turn the ignition switch to the ON(II) position without starting the engine. The radiator cooling fans will start to cool the engine.

If neither coolant nor steam is escaping, open the hood and idle the engine until it cools. If this doesn't lower the temperature, stop the engine

and let it cool.

4. Visually inspect the alternator/water pump drive belt for looseness and breakage and all cooling hose connections for leaks. If the belt is broken or coolant is leaking, call an Authorized Mazda Dealer for assistance.
5. If the drive belt is OK, the engine is cool, and no coolant leaks are obvious, inspect the coolant level. Carefully add coolant as required (page 8-15).

 **WARNING**

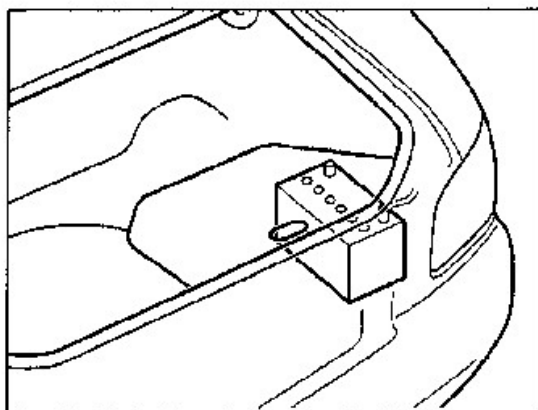
Cooling System Cap:
When the engine and radiator are hot, scalding coolant and steam may shoot out under pressure and cause serious injury. Don't remove the cooling system cap when the engine and radiator are hot.

 **CAUTION**

If the engine continues to overheat or frequently overheats, have the cooling system inspected. The engine could be seriously damaged unless repairs are made.

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Emergency Starting



■ Jump-Starting

The battery is in the trunk.

Jump-starting is dangerous if done incorrectly. So follow the procedure carefully. If you feel unsure about jump-starting, we strongly recommend that you have a competent service technician do the work.

⚠ CAUTION

Use only a 12-volt booster system. You can damage a 12-volt starter motor, ignition system, and other electrical parts beyond repair with a 24-volt power supply (two 12-volt batteries in series or a 24-volt motor generator set).

⚠ WARNING

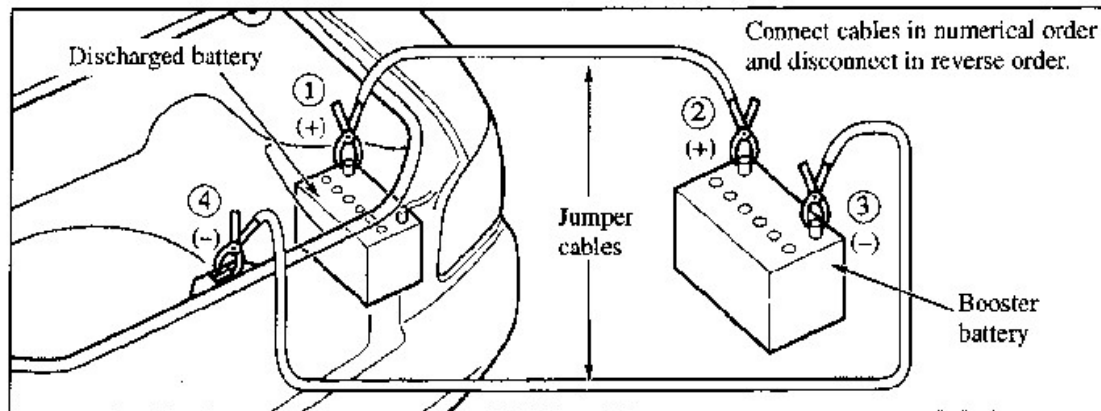
Jump-Starting:

Jump-starting a frozen battery is dangerous. It may rupture or explode, causing serious injury. Don't jump-start a frozen battery.

⚠ WARNING

Battery-Related Explosion:

Flames and sparks near open battery cells are dangerous. Hydrogen gas, produced during normal battery operation, could ignite and cause the battery to explode. An exploding battery can cause serious burns and injuries. Keep all flames, including cigarettes, and sparks away from open battery cells.



4. Start the engine of the booster vehicle and run it a few minutes. Then start the engine of the other vehicle.
5. When finished, carefully disconnect the cables in the reverse order described in Step 3.

⚠ WARNING

Connecting to Negative Terminal:
Connecting the end of the second cable to the negative (-) terminal of the discharged battery is dangerous. A spark could cause the gas around the battery to explode and injure someone. Connect the cable to a point away from the battery.

1. Make sure the booster battery is 12 volts and that its negative terminal is grounded.
2. If the booster battery is in another vehicle, don't allow the vehicles to touch. Turn off the engine of the vehicle with the booster battery and all unnecessary electrical loads in both vehicles.
3. Connect the jumper cables in the exact sequence as in the illustration above.
 - (1) Connect one end of a cable to the positive terminal on the discharged battery ①.
 - (2) Attach the other end to the positive terminal on the booster battery ②.
 - (3) Connect one end of the other cable to the negative terminal of the booster battery ③.
 - (4) Connect the other end to a solid, stationary, exposed metallic point (for example, the trunk latch catch) away from the discharged battery ④.

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■ Push-Starting

You can't start a vehicle with an automatic transmission by pushing it.

⚠ CAUTION

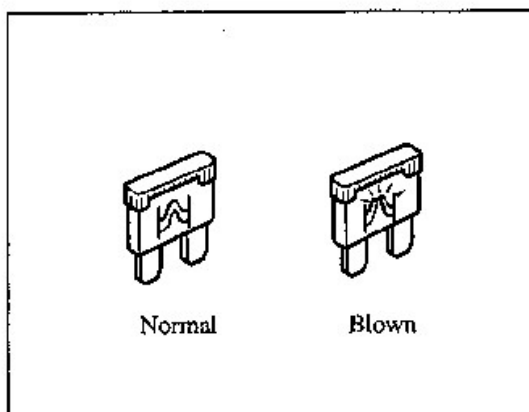
You shouldn't push-start a vehicle that has a manual transmission. It can damage the emission control system.

⚠ WARNING

Towing a Vehicle to Start It:

Towing a vehicle to start it could be dangerous. The vehicle being towed could surge forward when its engine starts, causing the two vehicles to collide. The occupants could be injured. Never tow a vehicle to start it.

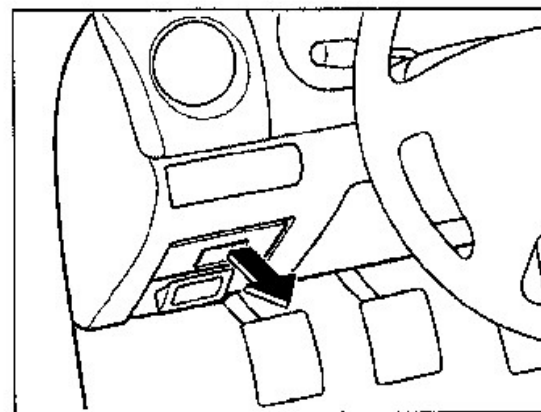
Fuses



Your vehicle's electrical system is protected by fuses.

If any lights, accessories, or controls don't work, inspect the appropriate circuit protector. If a fuse has blown, the inside element will be melted.

If the same fuse blows again, avoid using that system and consult an Authorized Mazda Dealer as soon as possible.



■ Fuse Replacement

If the electrical system doesn't work, first inspect fuses on the driver's side.

1. Turn off the ignition switch and other switches.
2. Open the fuse panel.
3. Pull the fuse straight out.

4. Inspect it and replace if it's blown.

NOTE

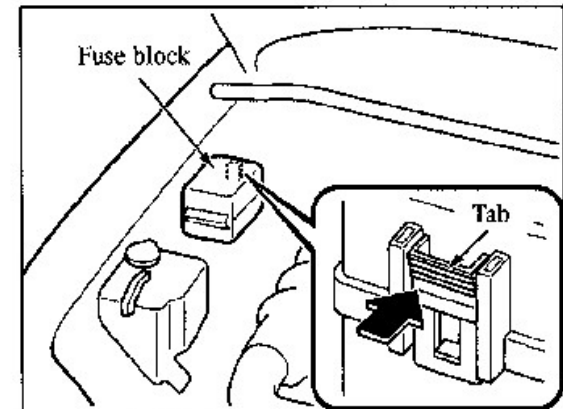
The check engine light comes on when a ROOM fuse blows or when a ROOM fuse is removed. When installing a ROOM fuse, turn the ignition switch off and wait 60 seconds before installing the fuse. If the check engine light comes on and doesn't go off, there is a problem other than the fuse system. Consult your Authorized Mazda Dealer.

5. Push in a new fuse of the same rating, and make sure it fits tightly. If it doesn't, have an Authorized Mazda Dealer install it.

If you have no spare fuses, borrow one of the same rating from a circuit not essential to vehicle operation, such as the RADIO circuit.

CAUTION

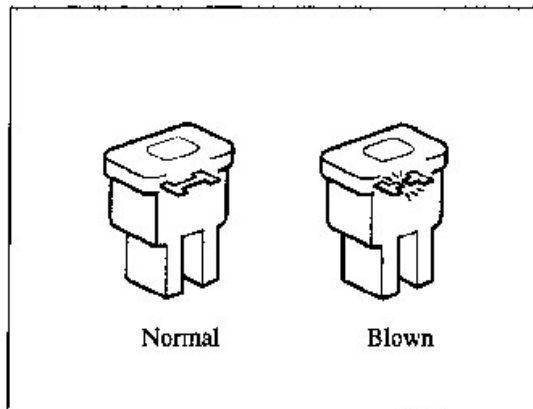
Always replace a fuse with one of the same rating. Otherwise you may damage the electric system.



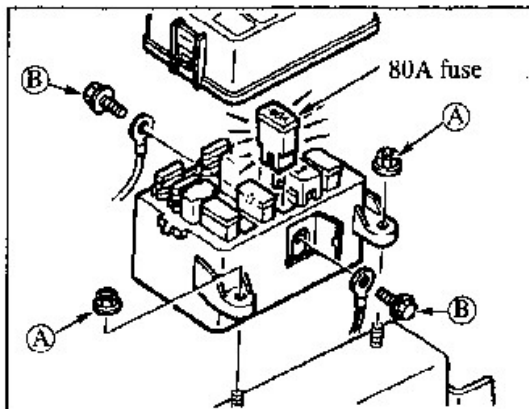
If the headlights or other electrical components don't work and the fuses in the cabin are OK, inspect the fuse block under the hood. If a fuse is blown, it must be replaced. Follow these steps:

1. Turn off the ignition switch and all other switches.
2. Open the fuse block cover by unhooking the tab on one end and tilting the cover back toward the other end.

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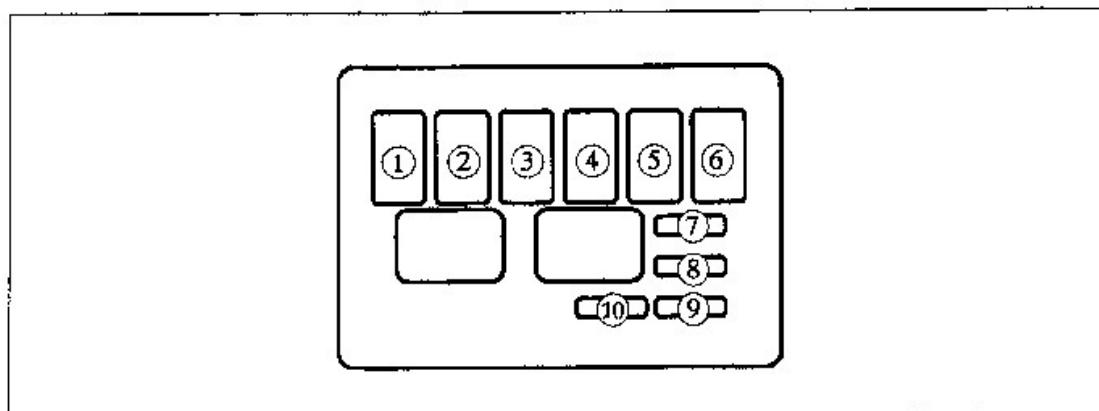
3. If a fuse is blown, replace it with a new one **of the same rating.**



When replacing the 80A fuse:

1. Turn off the ignition switch.
2. Remove the negative battery terminal.
3. Remove nuts A.
4. Lift the fuse block and remove bolts B.
5. Replace the fuse with a new one **of the same rating.**
6. Install in the reverse order of removal.

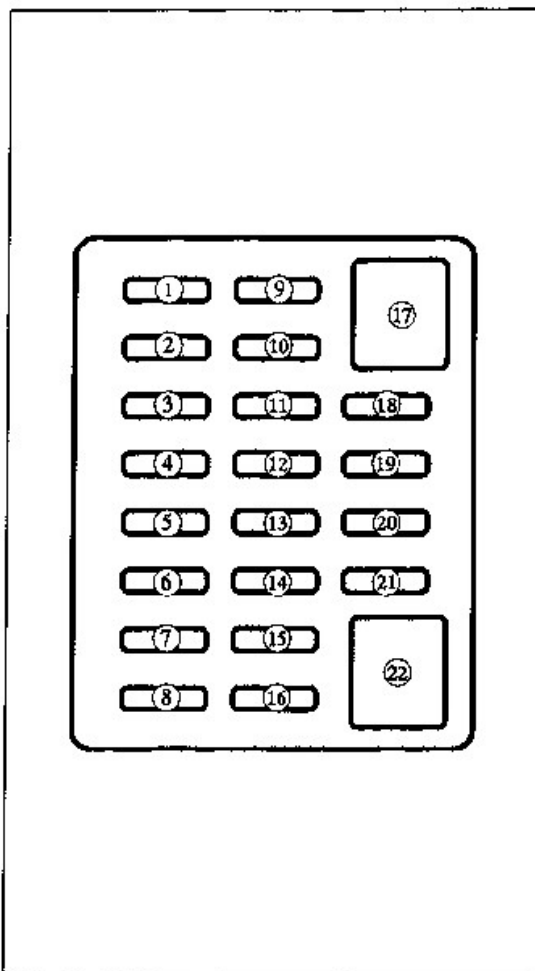
■ Fuse Panel Description



▼ Fuse block (engine compartment)

DESCRIPTION	FUSE RATING	COLOR	PROTECTED COMPONENT
1 HEAD	30A	Pink	Headlights
2 FUEL INJ	30A	Pink	Fuel injection, Alternator
3 MAIN	80A	Black	For protection of all circuits
4 IG KEY	40A	Green	All ignition related circuits
5 BLOWER	30A	Pink	Blower moter
6 FAN	30A	Pink	Cooling fan, Additional fan (air conditioner)*
7 BTN 1	20A	Yellow	Taillights, Turn signal lights, Instrument panel illumination*, Auto antenna*
8 BTN 2	20A	Yellow	Rear defroster*, Audio amp*
9 ABS*	20A	Yellow	Antilock brake system*
10 STOP	15A	Blue	Brake lights, Horn, Shift lock

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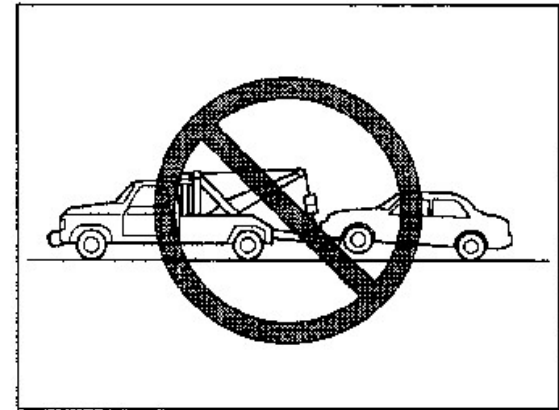
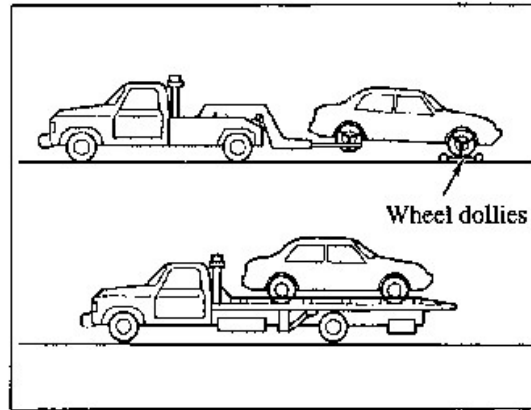
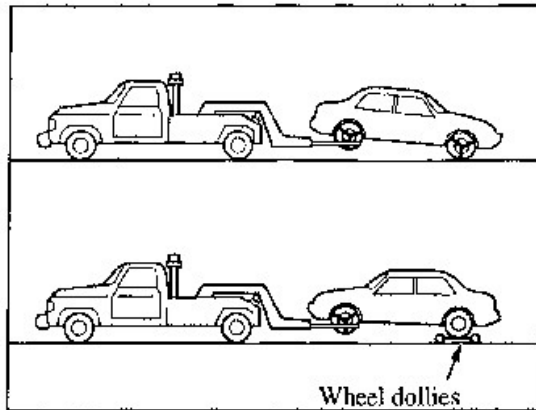
Fuse panel (driver's side)

	DESCRIPTION	FUSE RATING	COLOR	PROTECTED COMPONENT
1	ROOM	10A	Red	Interior light, Auto antenna, Warning buzzers
2	DEFOG	15A	Blue	Rear deftoster*
3	TAIL	15A	Blue	Tail lights, Front parking lights, Side-marker lights
4	HAZARD	10A	Red	Turn signal lights
5	D.LOCK*	10A	Red	Power door lock*
6	AUDIO*	20A	Yellow	Audio amp*
7	CIGAR	20A	Yellow	Cigar lighter
8	RADIO	10A	Red	Audio
9	WIPER	20A	Yellow	Windshield wipers and washer
10	A/C	10A	Red	Air conditioner*
11	P.WIND	30A	Green	Power windows
12	F.FOG*	20A	Yellow	Fog lights
13	ENGINE	15A	Blue	Engine control system
14	METER	15A	Blue	Instrument cluster
15	TURN	10A	Red	Turn signal lights
16	A/B	10A	Red	Supplemental restraint system, Antilock brake system
17	—	—	—	—

DESCRIPTION		FUSE RATING	COLOR	PROTECTED COMPONENT
18	ST.SIG*	10A	Red	Instrument cluster, Cruise control*
19	R.FOG*	10A	Red	—
20	HEAD.RH	15A	Blue	Headlights (RH)
21	HEAD.LH	15A	Blue	Headlights (LH)
22	—	—	—	—

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Towing



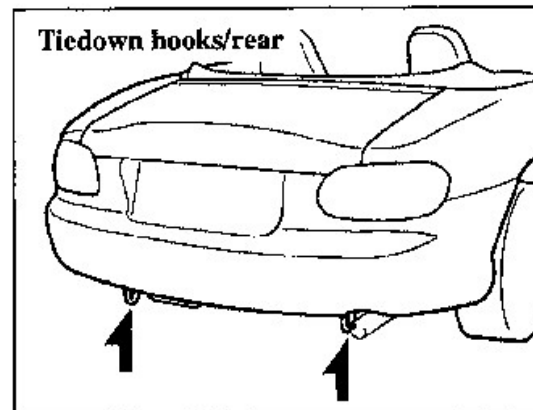
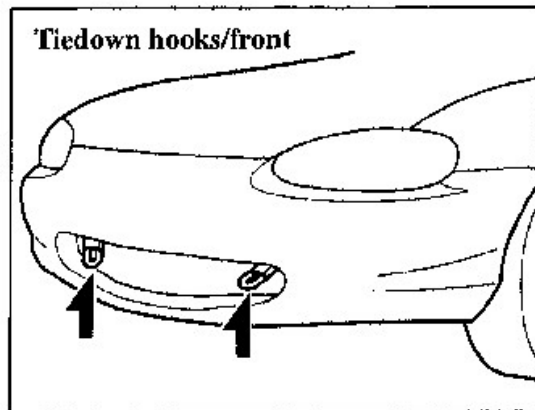
We recommend that towing be done only by an Authorized Mazda Dealer or a commercial tow-truck service.

Proper lifting and towing are necessary to prevent damage to the vehicle. State and local laws must be followed.

A towed vehicle usually should have its rear wheels off the ground. If excessive damage or other conditions prevent this, use wheel dollies.

CAUTION

Don't tow with sling-type equipment. This could damage your vehicle. Use wheel-lift or flatbed equipment.



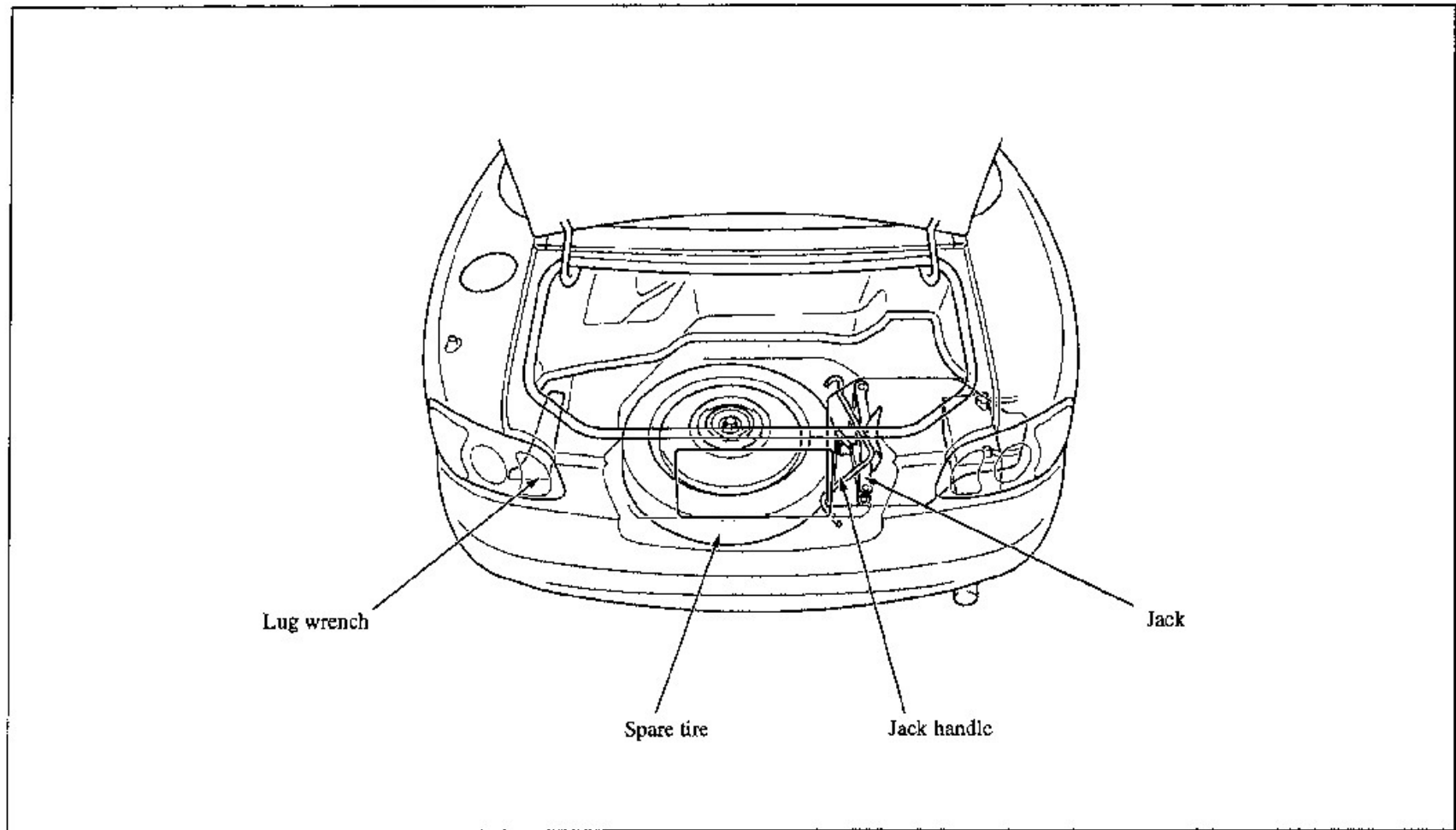
⚠ CAUTION

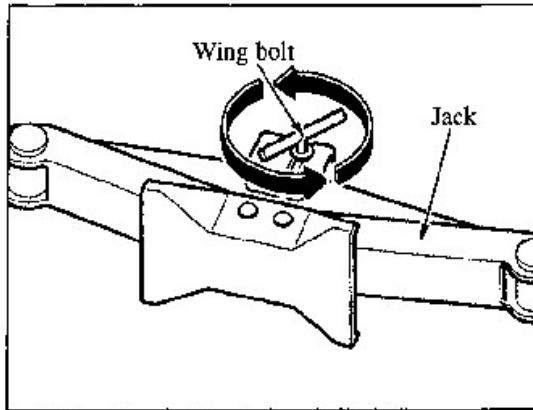
Don't use the hook loops under the front and rear for towing. They are designed **ONLY** for tying down the vehicle when it's being transported. Using them for towing will damage the bumper.

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Flat Tire

■ Tire, Jack, Jack Handle, and Lug Wrench



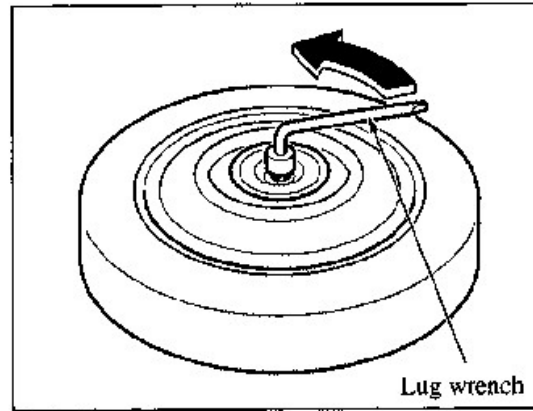


▼ To remove the jack

Turn the wing bolt counterclockwise.

▼ To secure the jack

Perform the removal procedure in reverse.



▼ To remove the spare tire

Turn the tire hold-down bolt counterclockwise with the lug wrench.

■ Changing a Flat Tire

NOTE

If the following occurs while driving, it could indicate a flat tire.

- Steering becomes difficult.
- The vehicle begins to vibrate excessively.
- The vehicle pulls in one direction.

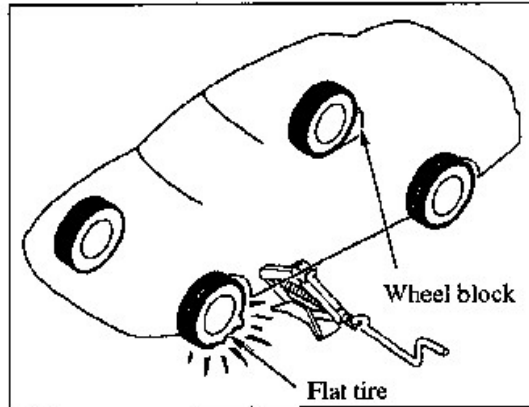
If you have a flat tire, drive slowly to a level spot that is well off the road and out of the way of traffic to change the tire. Stopping in traffic or on the shoulder of a busy road is dangerous.

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WARNING

Jacking a Vehicle:

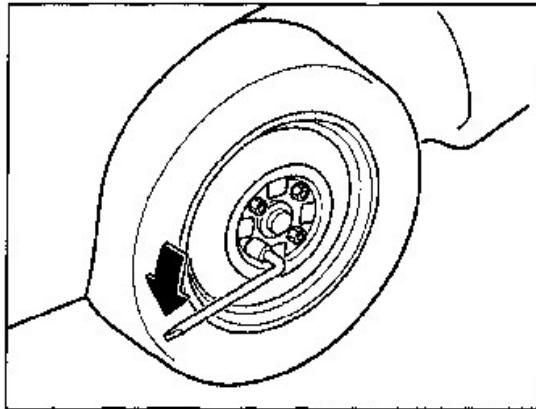
Changing a tire can be dangerous. The vehicle can slip off the jack and seriously injure someone. Be sure to follow the directions for changing a tire, and never get under a vehicle that is supported only by a jack.



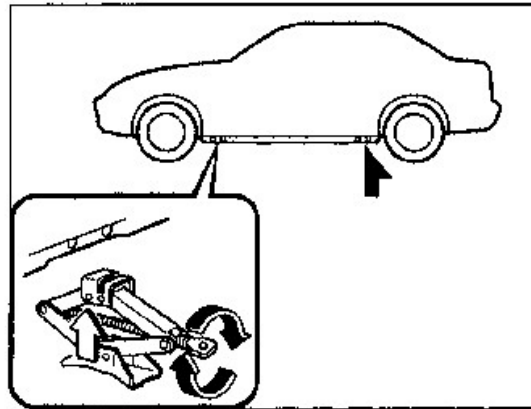
To change a flat tire, follow procedure 1 through 14 carefully.

1. Park on a level surface off the right-of-way and firmly set the parking brake.
2. Shift an automatic transmission to P or shift a manual transmission to R, and turn off the engine.

3. Turn on the hazard warning flasher.
4. Have everyone get out of the vehicle and away from the vehicle and traffic.
5. Remove the jack, jack handle, lug wrench, and spare tire.
6. Block the wheel diagonally opposite the flat tire. When blocking a front wheel, place the block in front of the tire. When blocking a rear wheel, place the block behind the tire.



7. Loosen the lug nuts by turning them counterclockwise one turn each, but don't remove any until the tire has been raised off the ground.



8. Place the jack under the jacking position closest to the tire being changed.

⚠ WARNING

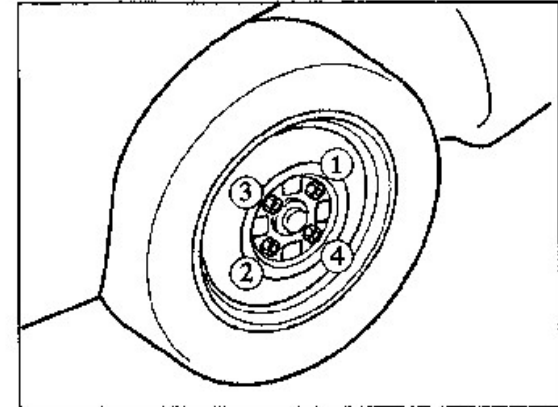
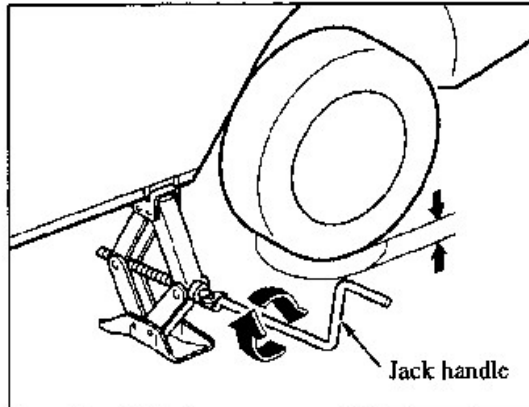
Incorrect Jacking Position:
Attempting to jack the vehicle in positions other than those recommended in this manual is dangerous. The vehicle could slip off the jack and seriously injure or even kill someone. Use only the front and rear jacking positions recommended in this manual.

⚠ WARNING

Improper Jack:
Using a jack that isn't designed for your Mazda could be dangerous. The vehicle could slip off the jack and seriously injure someone. Use only the jack provided with your Mazda.

⚠ WARNING

Placing Objects Under the Jack:
Jacking the vehicle with an object under the jack is dangerous. The jack could slip and someone could be seriously injured by the jack or the falling vehicle. Never place objects under the jack.



9. Insert the jack handle into the jack and turn it clockwise until the tire just clears the ground, less than 1 inch (25 mm). Before removing the lug nuts, make sure your Mazda is firmly in position and that it cannot slip or move.
10. Remove the lug nuts by turning them counterclockwise; then remove the wheel.
11. Mount the spare tire.
12. Install the lug nuts with the beveled edge inward; tighten them by hand.

13. Turn the jack handle counterclockwise and lower the vehicle. Use the lug wrench to tighten the nuts in the order shown.

If you're unsure of how tight the nuts should be, have them inspected at a service station. The specified torque is 65 to 87 ft-lb (9.0 to 12.0 kg-m, 88 to 118 N-m).

⚠ WARNING

Loose Lug Nuts:

Improperly or loosely tightened lug nuts are dangerous. The wheel could wobble or come off. This could result in loss of vehicle control and cause a serious accident. Always securely and correctly tighten the lug nuts.

⚠ WARNING

Metric Studs and Lug Nuts:

Because the wheel studs and lug nuts on your Mazda have metric threads, using a nonmetric nut would be dangerous. On a metric stud, it would not secure the wheel and would damage the stud, which could cause the wheel to slip off and cause an accident. Be sure to reinstall the same nuts you removed or replace them with metric nuts of the same configuration.

⚠ WARNING

Incorrect Tire Air Pressure:

Driving on tires with incorrect air pressure is dangerous. Tires with incorrect pressure could affect handling and result in an accident. Don't drive with any tires that have incorrect air pressure. When you check the regular tire's air pressure, check the spare tire, too.

14. Temporarily store the damaged tire. Have it repaired and replace the spare with it as soon as possible.

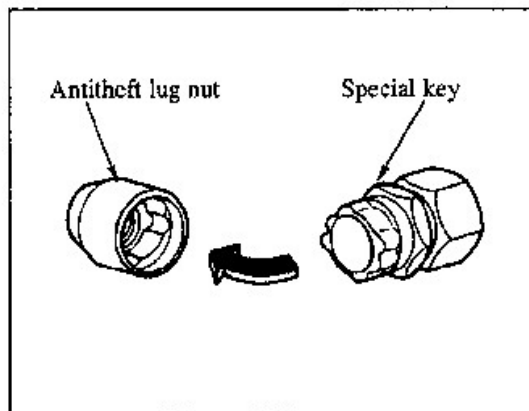
NOTE

To prevent the jack, jack handle, and tool bag from rattling, store them properly.

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■ Locking Lug Nuts*

If your vehicle has optional antitheft wheel lug nuts, one on each wheel will lock and you must use a special key to unlock them. This key is attached to the lug wrench and is stored with the spare tire. Register them with the lock manufacturer by filling out the card provided in the glove box and mailing it in the accompanying envelope. If you lose your key, consult an Authorized Mazda Dealer or use the lock manufacturer's order form, which is with the registration card.



▼ To remove an antitheft lug nut

1. Get the key for the locking lug nut.
2. Place it on top of the nut, and be sure to hold the key square to it. If you hold the key at an angle, you may damage both key and nut. Don't use a power impact wrench.
3. Place the lug wrench on top of the key and apply pressure. Turn the wrench counterclockwise.

▼ To replace the nut

1. Place the key on top of the nut.
2. Place the lug wrench on top of the key, apply pressure, and turn it clockwise.

■ Spare Tire

Your Mazda has a temporary spare tire. It's lighter and smaller than a conventional tire, is designed only for emergency use and should be used only for VERY short periods. Temporary spares should NEVER be used for long drives or extended periods.

⚠ WARNING

Driving with a Temporary Spare Tire on Ice or Snow:

Driving with a spare tire on the rear (driving) wheels on ice or snow is dangerous. Handling will be affected. You could lose control of the vehicle and have an accident. Put the spare tire on the front axle and move a regular tire to the rear.

⚠ CAUTION

To avoid damage to the temporary spare or to the vehicle, observe the following:

- Don't exceed 50 mph (80 km/h).
- Avoid driving over obstacles. Also, don't drive through an automatic car wash. This tire's diameter is smaller than a conventional tire's; so the ground clearance is reduced about 1 inch (25 mm).
- Don't use a tire chain on this tire because it won't fit properly.
- Don't use your temporary spare on any other vehicle; it has been designed only for your Mazda.
- Use only one temporary spare tire on your vehicle at the same time.

(Continued)

(Limited-Slip Differential*)

- Don't use this tire on the rear axle. The size difference between the spare and the conventional tire will cause strain on the limited slip differential.