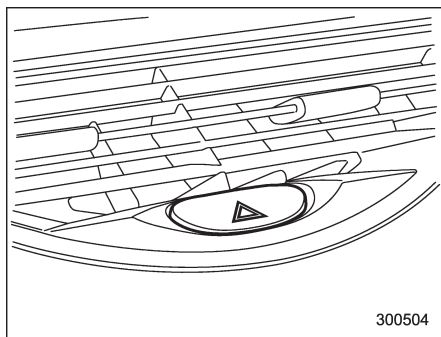


In case of emergency

If you park your vehicle in an emergency.....	9-2	Engine overheating	9-14
Spare tire	9-2	If steam is coming from the engine	
Removing the spare tire	9-3	compartment	9-14
Re-storage of spare tire	9-4	If no steam is coming from the engine	
Temporary spare tire.....	9-5	compartment	9-14
Flat tires	9-6	Towing	9-14
Changing a flat tire.....	9-6	Towing and tie-down hooks.....	9-15
Tire pressure monitoring system (TPMS)	9-10	Using a flat-bed truck.....	9-17
Jump starting	9-11	Towing with all wheels on the ground.....	9-17
How to jump start.....	9-12	Rear gate – if the rear gate cannot be	
		unlocked.....	9-18
		Maintenance tools	9-19
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If you park your vehicle in an emergency



The hazard warning flasher should be used in day or night to warn other drivers when you have to park your vehicle under emergency conditions.

Avoid stopping on the road. It is best to safely pull off the road if a problem occurs.

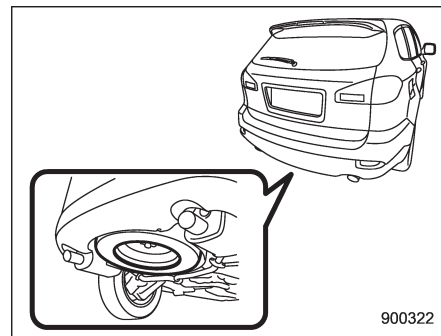
The hazard warning flasher can be activated regardless of the ignition switch position.

Turn on the hazard warning by pushing the hazard warning flasher switch. Turn it off by pushing the switch again.

NOTE

When the hazard warning flasher is on, the turn signals do not work.

Spare tire



The spare tire is stored in the spare tire holder located under the cargo area.

The spare tire holder has a hoist mechanism that can lower and raise the spare tire easily.

The spare tire holder is designed to carry only the following kinds of tires.

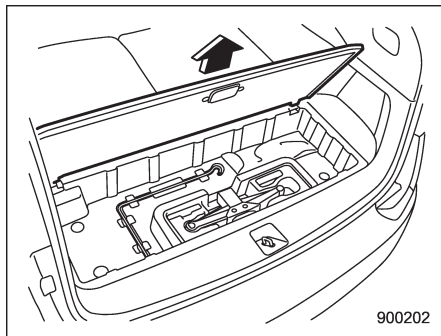
- the temporary spare tire that came with your vehicle
- a full-size flat tire

A full size flat tire should be stowed in the spare tire holder in an emergency only. After having the full-size flat tire repaired, immediately swap it with the temporary spare tire.

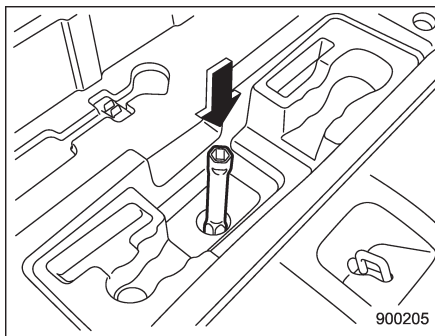
Before using the temporary spare tire, carefully read "Temporary spare tire" 9-5 for instructions and precautions.

■ Removing the spare tire

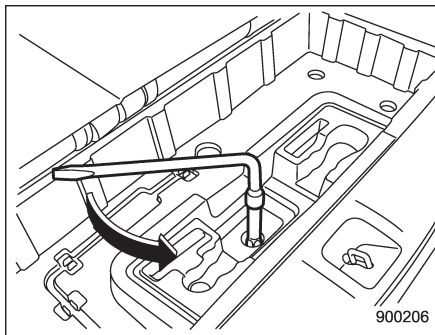
1. Take the wheel nut wrench and extension out of the tool bag. Refer to "Maintenance tools" 9-19.



2. Remove the subfloor storage lid in the cargo area.
3. Take out the jack.
4. Locate the hex-head hoist shaft end inside the hole.



5. Fit the extension onto the hex-head hoist shaft end.



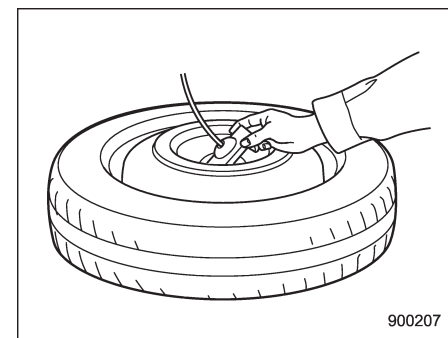
6. Fit the wheel nut wrench onto the extension.
7. Turn the hoist shaft end counterclockwise with the wheel nut wrench until the

temporary spare tire is on the ground with enough cable slack to allow you to pull it out from under the vehicle.



CAUTION

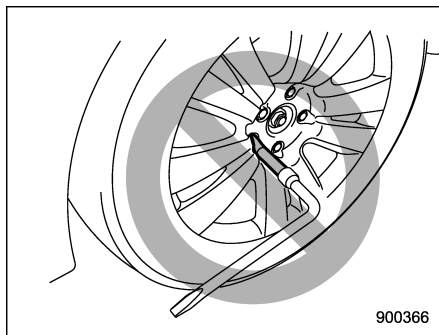
- Be sure to remove (not simply keep it open) the subfloor storage lid before turning the wheel nut wrench, otherwise the lid may be damaged.
- Do not put your fingers into the center hole of the temporary spare tire while you pulling it out, because they might be pinched in between the wheel and the retainer.



8. Tilt the retainer at the end of the cable

and pull it through the center of the temporary spare tire.

9. After the temporary spare tire is removed from the cable, the cable must be wound up completely by turning the hoist nut shaft clockwise until you hear a clicking sound. Also visually inspect the cable to make certain that there is no longer any slack present.



WARNING

- Do not use the extension when turning the wheel nuts. If you did, you would not be able to achieve sufficient tightening torque. The wheel nuts could then come loose, resulting in a serious accident.

- **When using the spare tire hoist:**

After the temporary spare tire is removed from the cable, wind the cable up completely until the retainer at end of the cable sits against the underside of the vehicle. Driving with the cable not retracted fully could result in damage to the adjacent under floor parts and lead to a serious accident.

- The spare tire holder is designed to carry only the following kinds of tires.

- the temporary spare tire that came with your vehicle
- a full-size flat tire

A full size flat tire should be stowed in the spare tire holder in an emergency only. After having the full-size flat tire repaired, immediately swap it with the temporary spare tire.

Never stow a full-size tire that is not flat in the spare tire holder. Doing so can result in damage to adjacent under floor parts and can lead to a serious accident.



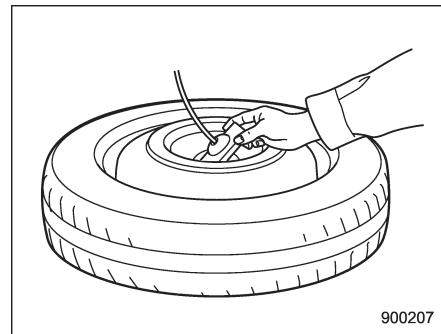
CAUTION

When using the spare tire hoist:

Do not use air tools or power tools to turn the spare tire hoist shaft end. If you do, it could result in severe mechanical damage to the spare tire hoist.

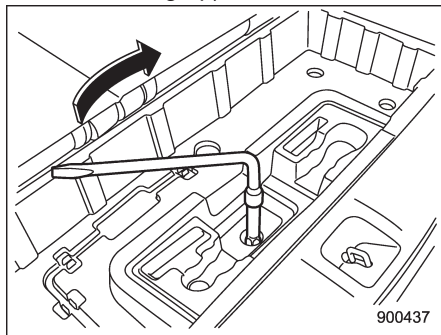
■ Re-storage of spare tire

1. Turn the spare tire hoist shaft end counterclockwise with the wheel nut wrench to loosen the cable sufficiently enough to allow the cable end retainer go through center hole of the temporary spare tire.



2. Insert the retainer through the center hole of the temporary tire (with the outside

of the tire facing up).



3. Turn the hoist shaft end clockwise with the wheel nut wrench to wind the cable up completely until you hear a few clicking sounds. Confirm that the temporary spare tire holding cable has been wound up completely by shaking the temporary tire.

CAUTION

If the temporary spare tire is not stored securely, it could damage adjacent areas of the vehicle and make an abnormal noise.

4. Place the wheel nut wrench and extension back into the tool bag and store the jack and tool bag in their storage locations.

5. Fit the lid of the cargo area.

CAUTION

- When stowing a flat tire in the spare tire holder, turn the hoist shaft end only slowly. If it is turned quickly, the wheel disc of the flat tire could be damaged.
- A full-size flat tire should be stowed in the spare tire holder in an emergency only. After having the flat tire repaired, immediately swap it with the temporary spare tire.
- Remember that the tread width of a flat tire is wider than that of the temporary spare tire. When carrying a flat tire stowed in the spare tire holder, make sure the tire does not touch any obstacles.

Temporary spare tire

WARNING

- Never tow a trailer when the temporary spare tire is used. The temporary spare tire is not designed to sustain the towing load. Use of the temporary spare tire when towing can result in failure of the spare tire and/or less stability of the vehicle and may lead to an accident.
- When a spare tire is mounted or a wheel rim is replaced without the original pressure sensor/transmitter being transferred, the low tire pressure warning light will illuminate steadily after blinking for approximately one minute. This indicates the tire pressure monitoring system (TPMS) is unable to monitor all four road wheels. Contact your SUBARU dealer as soon as possible for tire and sensor replacement and/or system resetting.



CAUTION

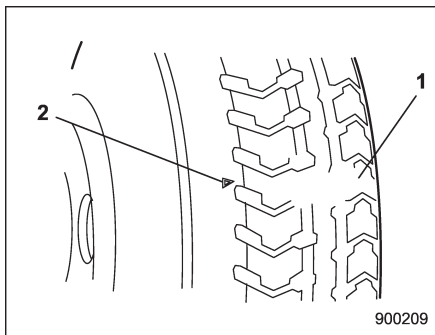
Never use any temporary spare tire other than the original. Using other sizes may result in severe mechanical damage to the drive train of your vehicle.

The temporary spare tire is smaller and lighter than a conventional tire and is designed for emergency use only. Remove the temporary spare tire and re-install the conventional tire as soon as possible because the spare tire is designed only for temporary use.

Check the inflation pressure of the temporary spare tire periodically to keep the tire ready for use. The correct pressure is **60 psi (420 kPa, 4.2 kgf/cm²)**.

When using the temporary spare tire, note the following.

- Do not exceed 50 mph (80 km/h).
- Do not put a tire chain on the temporary spare tire. Because of the smaller tire size, a tire chain will not fit properly.
- Do not use two or more temporary spare tires at the same time.
- Do not drive over obstacles. This tire has a smaller diameter, so road clearance is reduced.



- 1) Tread wear indicator bar
- 2) Indicator location mark

- When the wear indicator appears on the tread, replace the tire.
- The temporary spare tire must be used only on a rear wheel. If a front wheel tire gets punctured, replace the wheel with a rear wheel and install the temporary spare tire in place of the removed rear wheel.

Flat tires

If you have a flat tire while driving, never brake suddenly; keep driving straight ahead while gradually reducing speed. Then slowly pull off the road to a safe place.

■ Changing a flat tire

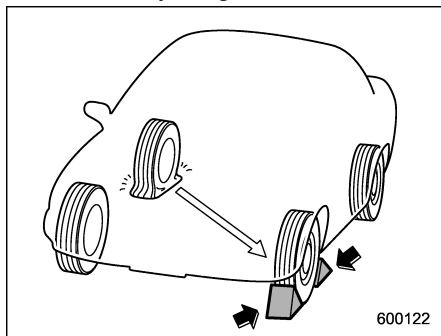


WARNING

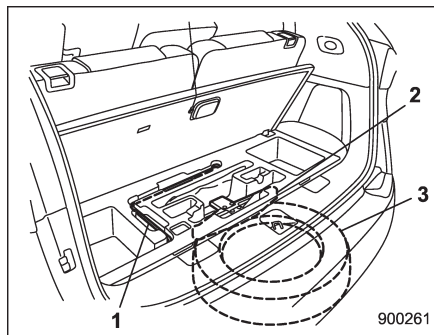
- **Do not jack up the vehicle on an incline or a loose road surface. The jack can come out of the jacking point or sink into the ground and this can result in a severe accident.**
- **Use only the jack provided with your vehicle. The jack supplied with the vehicle is designed only for changing a tire. Never get under the vehicle while supporting the vehicle with this jack.**

- Always turn off the engine before raising the flat tire off the ground using the jack. Never swing or push the vehicle supported with the jack. The jack can come out of the jacking point due to a jolt and this can result in a severe accident.

1. Park on a hard, level surface, whenever possible, then stop the engine.
2. Set the parking brake securely and shift in the "P" (Park) position.
3. Turn on the hazard warning flasher and have everyone get out of the vehicle.



4. Put wheel blocks at the front and rear of the tire diagonally opposite the flat tire.



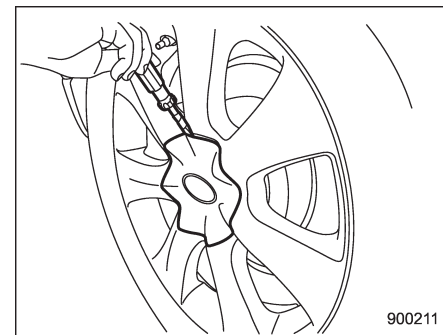
- 1) Jack handle
- 2) Jack
- 3) Spare tire

5. Take out the jack and jack handle.
The jack and jack handle are stored under the floor of the cargo area.
6. Remove the spare tire.
Refer to "Spare tire" 9-2 for its location, instructions and precautions.

Carefully read "Temporary spare tire" 9-5 and strictly follow the instructions.

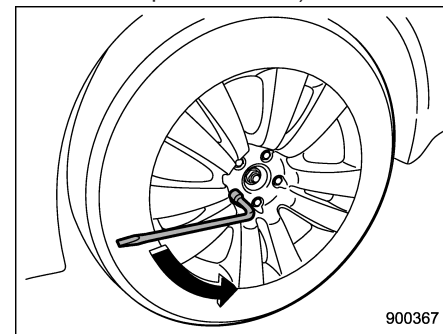
NOTE

Make sure the jack is well lubricated before using it.



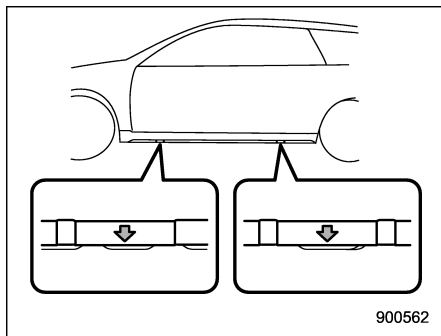
Chrome plated wheels

7. Insert the tip (wrapped in vinyl tape or a cloth) of a flat-head screwdriver into the slot between the wheel and cap. Use it to remove the cap. (Only vehicle equipped with chrome plated wheels)

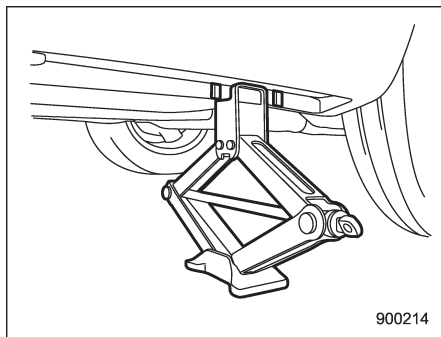


9-8 In case of emergency/Flat tires

8. Loosen the wheel nuts using the wheel nut wrench but do not remove the nuts.

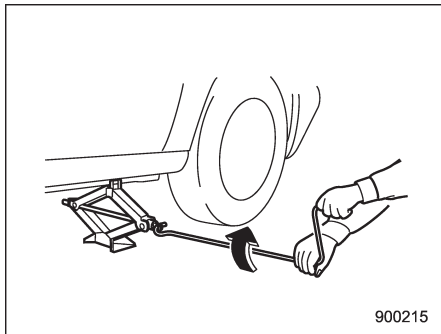


9. Place the jack under the side sill at the front or rear jack-up point closest to the flat tire.



Turn the jackscrew by hand until the jack

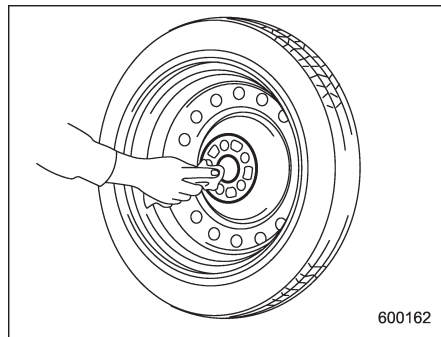
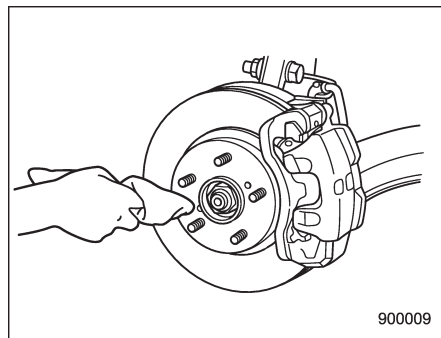
- head engages firmly into the jack-up point.



10. Insert the jack handle into the jackscrew, and turn the handle until the tire clears the ground. Do not raise the vehicle higher than necessary.

11. Remove the wheel nuts and the flat tire.

12. Remove the tire cover if the temporary spare tire has a cover.



13. Before putting the spare tire on, clean the mounting surface of the wheel and hub with a cloth.

14. Put on the spare tire. Replace the wheel nuts. Tighten them by hand.

**WARNING**

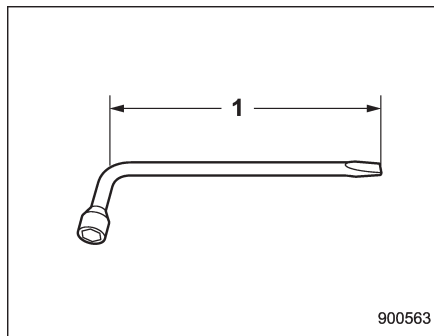
Do not use oil or grease on the wheel studs or nuts when the spare tire is installed. This could cause the nuts to become loose and lead to an accident.

15. Turn the jack handle counterclockwise to lower the vehicle.

**CAUTION**

There are 2 types of wheel nut wrenches that apply to different lengths.

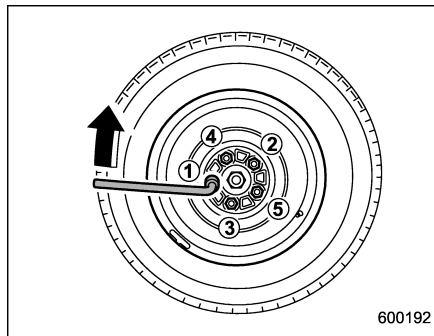
For models with silver-colored aluminum wheels, the 10.8-inch (275 mm) wheel nut wrench is equipped as a maintenance tool. And for models with optional chrome-finished wheels, the 13.2-inch (335 mm) wheel nut wrench is equipped as well. Confirm the equipped wheel nut wrench type when you replace a tire. If the wheel nut wrench is the different type, it cannot be tightened to the specified torque.



900563

1) The length of the wheel nut wrench

16. Confirm the length of the equipped wheel nut wrench and wheel nut tightening torque. Refer to "Tires" 12-8.

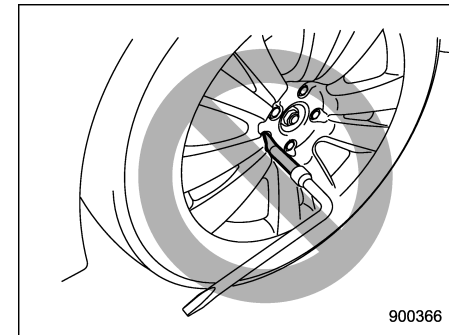


600192

17. Use the wheel nut wrench to securely tighten the wheel nuts to the specified

torque, following the tightening order in the illustration.

Never use your foot on the wheel nut wrench or a pipe extension on the wrench because you may exceed the specified torque. Have the wheel nut torque checked at the nearest automotive service facility.



900366

**WARNING**

Do not use the extension when turning the wheel nuts. If you did, you would not be able to achieve sufficient tightening torque. The wheel nuts could then come loose, resulting in a serious accident.

18. Store the flat tire in the spare tire

holder.

Refer to "Spare tire" 9-2 for its location, instructions and precautions.

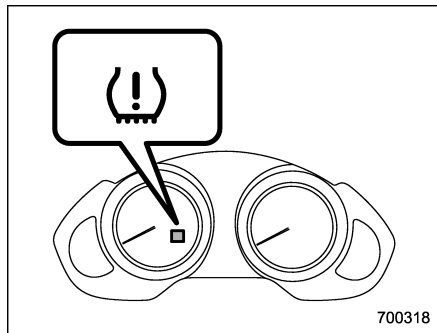
**CAUTION**

- When stowing a flat tire in the spare tire holder, turn the hoist shaft end only slowly. If it is turned quickly, the wheel disc of the flat tire could be damaged.
- A full-size flat tire should be stowed in the spare tire holder in an emergency only. After having the flat tire repaired, immediately swap it with the temporary spare tire.
- Remember that the tread width of a flat tire is wider than that of the temporary spare tire. When carrying a flat tire stowed in the spare tire holder, make sure the tire does not touch any obstacles.

**WARNING**

Never place a tire or tire changing tools in the passenger compartment after changing wheels. In a sudden stop or collisions, loose equipment

could strike occupants and cause injury. Store the tire and all tools in the proper place.

■ Tire pressure monitoring system (TPMS)

The tire pressure monitoring system provides the driver with the warning message indicated by sending a signal from a sensor that is installed in each wheel when tire pressure is severely low.

The tire pressure monitoring system will activate only when the vehicle is driven. Also, this system may not react immediately to a sudden drop in tire pressure (for example, a blow-out caused running over a sharp object).

**WARNING**

If the low tire pressure warning light illuminates while driving, never brake suddenly and keep driving straight ahead while gradually reducing speed. Then slowly pull off the road to a safe place. Otherwise an accident involving serious vehicle damage and serious personal injury could occur.

Check the pressure for all four tires and adjust the pressure to the COLD tire pressure shown on the vehicle placard on the door pillar on the driver's side. If this light still illuminates while driving after adjusting the tire pressure, a tire may have significant damage and a fast leak that causes the tire to lose air rapidly. If you have a flat tire, replace it with a spare tire as soon as possible.

When a spare tire is mounted or a wheel rim is replaced without the original pressure sensor/transmitter being transferred, the low tire pressure warning light will illuminate steadily after blinking for approximately one minute. This indicates the TPMS is unable to monitor all four road wheels. Contact your

SUBARU dealer as soon as possible for tire and sensor replacement and/or system resetting.

Do not inject any tire liquid or aerosol tire sealant into the tires, as this may cause a malfunction of the tire pressure sensors.

If the light illuminates steadily after blinking for approximately one minute, promptly contact a SUBARU dealer to have the system inspected.

Jump starting



WARNING

- Battery fluid is **SULFURIC ACID**. Do not let it come in contact with the eyes, skin, clothing or the vehicle.

If battery fluid gets on you, thoroughly flush the exposed area with water immediately. Get medical help if the fluid has entered your eyes.

If battery fluid is accidentally swallowed, immediately drink a large amount of milk or water, and obtain immediate medical help.

Keep everyone including children away from the battery.

- The gas generated by a battery explodes if a flame or spark is brought near it. Do not smoke or light a match while jump starting.
- Never attempt jump starting if the discharged battery is frozen. It could cause the battery to burst or explode.
- Whenever working on or around a battery, always wear suitable

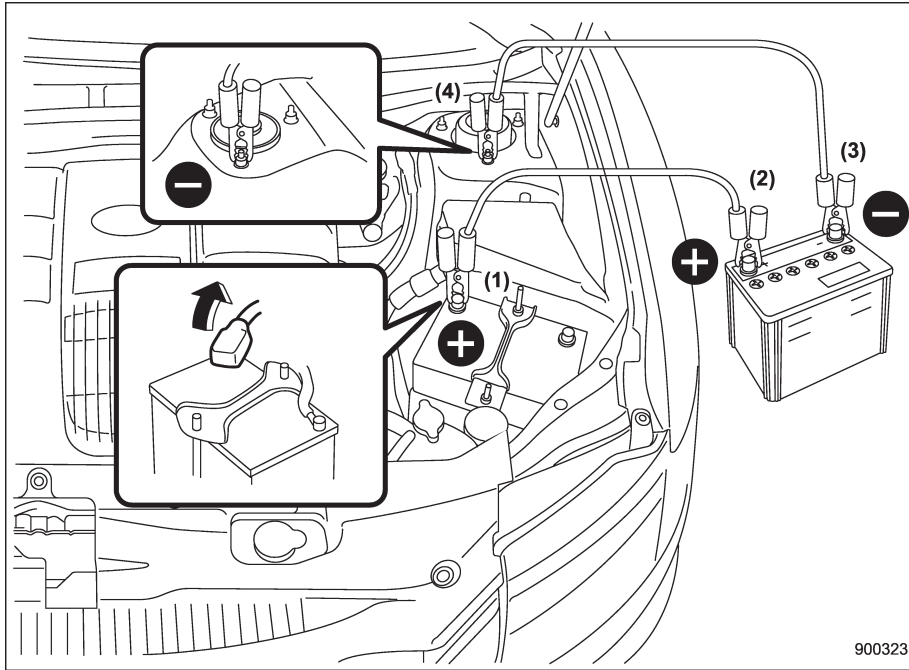
eye protectors, and remove metal objects such as rings, bands or other metal jewelry.

- Be sure the jumper cables and clamps on them do not have loose or missing insulation. Do not jump start unless cables in suitable condition are available.
- A running engine can be dangerous. Keep your fingers, hands, clothing, hair and tools away from the cooling fan, belts and any other moving engine parts. Removing rings, watches and ties is advisable.
- Jump starting is dangerous if it is done incorrectly. If you are unsure about the proper procedure for jump starting, consult a competent mechanic.

When your vehicle does not start due to a run down (discharged) battery, the vehicle may be jump started by connecting your battery to another battery (called the booster battery) with jumper cables.

■ How to jump start

1. Make sure the booster battery is 12 volts and the negative terminal is grounded.
2. If the booster battery is in another vehicle, do not let the two vehicles touch.
3. Turn off all unnecessary lights and accessories.
4. Connect the jumper cables exactly in the sequence illustrated.



(1) Connect one jumper cable to the positive (+) terminal on the discharged battery.

(2) Connect the other end of the jumper cable to the positive (+) terminal of the booster battery.

(3) Connect one end of the other cable to the negative (-) terminal of the booster battery.

(4) Connect the other end of the cable to the strut mounting nut.

Make sure that the cables are not near any moving parts and that the cable clamps are not in contact with any other metal.

5. Start the engine of the vehicle with the booster battery and run it at moderate speed. Then start the engine of the vehicle that has the discharged battery.

6. When finished, carefully disconnect the cables in exactly the reverse order.

Engine overheating



WARNING

Never attempt to remove the radiator cap until the engine has been shut off and has fully cooled down. When the engine is hot, the coolant is under pressure. Removing the cap while the engine is still hot could release a spray of boiling hot coolant, which could burn you very seriously.

If the engine overheats, safely pull off the road and stop the vehicle in a safe place.

■ If steam is coming from the engine compartment

Turn off the engine and get everyone away from the vehicle until it cools down.

■ If no steam is coming from the engine compartment

NOTE

For details about how to check the coolant level or how to add coolant, refer to “Engine coolant” ¶11-11.

1. Keep the engine running at idling speed.

2. Open the hood to ventilate the engine compartment. Refer to “Engine hood” ¶11-4.

Confirm that the cooling fan is turning. If the fan is not turning, immediately turn off the engine and contact your authorized dealer for repair.

3. After the engine coolant temperature has dropped, turn off the engine.

If the temperature gauge stays at the overheated zone, turn off the engine.

4. After the engine has fully cooled down, check the coolant level in the reserve tank.

If the coolant level is below the “LOW” mark, add coolant up to the “FULL” mark.

5. If there is no coolant in the reserve tank, add coolant to the reserve tank. Then remove the radiator cap and fill the radiator with coolant.

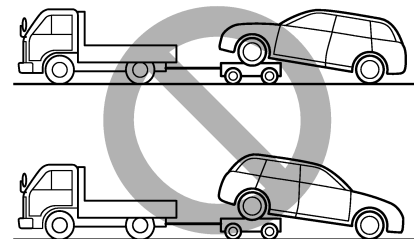
If you remove the radiator cap from a hot radiator, first wrap a thick cloth around the radiator cap, then turn the cap counter-clockwise slowly without pressing down until it stops. Release the pressure from the radiator. After the pressure has been fully released, remove the cap by pressing down and turning it.

Towing



WARNING

Never tow AWD models with the front wheels raised off the ground while the rear wheels are on the ground, or with the rear wheels raised off the ground while the front wheels are on the ground. This will cause the vehicle to spin away due to the operation or deterioration of the center differential.



900487

If towing is necessary, it is best done by your SUBARU dealer or a commercial towing service. Observe the following procedures for safety.

■ Towing and tie-down hooks

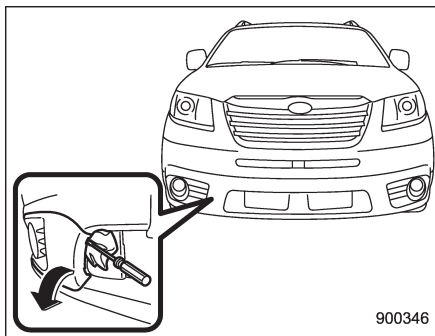
The towing hooks should be used only in an emergency (e.g., to free a stuck vehicle from mud, sand or snow).

⚠ CAUTION

- Use only the specified towing hooks and tie-down hooks. Never use suspension parts or other parts of the body for towing or tie-down purposes.
- Never use the tie-down hook closest to the muffler under the vehicle for towing purposes.
- To prevent deformation to the bumper and the towing hook, do not apply excessive lateral load to the towing hooks.

Front towing hook:

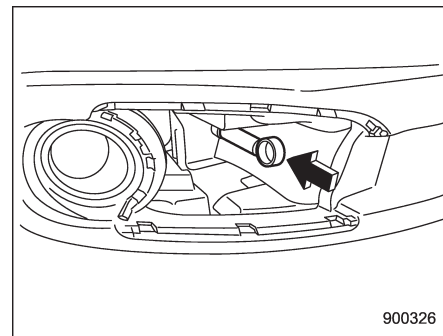
1. Take out the towing hook and screwdriver from the tool bag. Take out the jack handle from the cargo area.



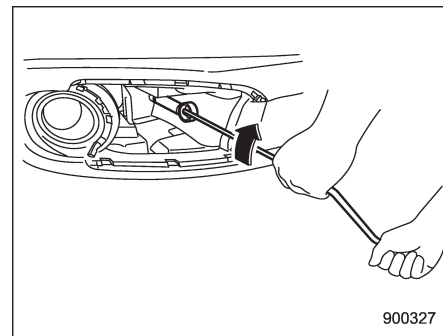
2. Wrap a flat-head screwdriver in vinyl tape or cloth, insert it into the gap between the cover and the front bumper, and use it to pry the cover open.

NOTE

- The cover is attached to the front bumper with five lugs.
- Do not remove the cover while holding the slit.



3. Screw the towing hook into the thread hole until the threads can no longer be seen.



4. Tighten the towing hook securely using a jack handle.

9-16 In case of emergency/Towing

After towing, remove the towing hook from the vehicle and stow it in the tool bag. Fit the towing hook cover on the bumper.

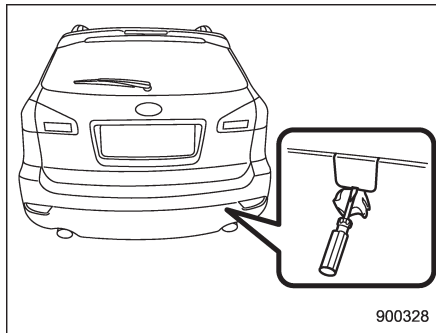


WARNING

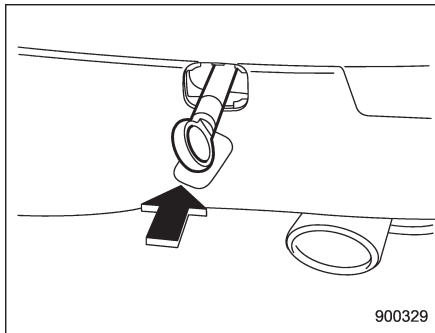
- Do not use the towing hook except when towing your vehicle.
- Be sure to remove the towing hook after towing. Leaving the towing hook mounted on the vehicle could interfere with proper operation of the SRS airbag system in a frontal collision.

Rear towing hook:

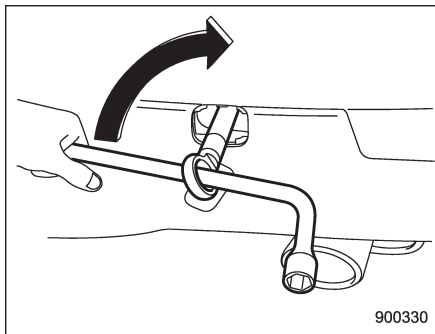
1. Take out the towing hook, screwdriver and wheel nut wrench from the tool bag.



2. Pry off the cover on the rear bumper using a screwdriver, and you will find a threaded hole for attaching the towing hook.



3. Screw the towing hook into the thread hole until its thread can no longer be seen.



4. Tighten the towing hook securely using a wheel nut wrench.

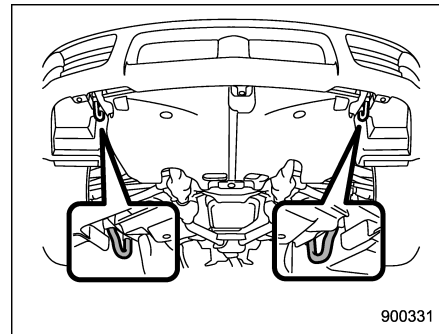
After towing, remove the towing hook from the vehicle and stow it in the tool bag. Put the thread hole cover on the rear bumper.



WARNING

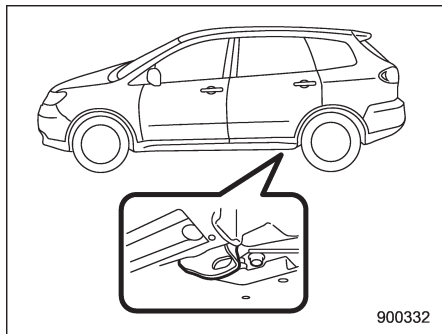
- Do not use the towing hook except when towing your vehicle.
- Be sure to remove the towing hook after towing. Leaving the towing hook mounted on the vehicle could interfere with proper operation of the SRS airbag system in a frontal collision.

Front tie-down hooks:



The front tie-down hooks are located between each of the front tires and the front bumper.

Rear tie-down hooks:

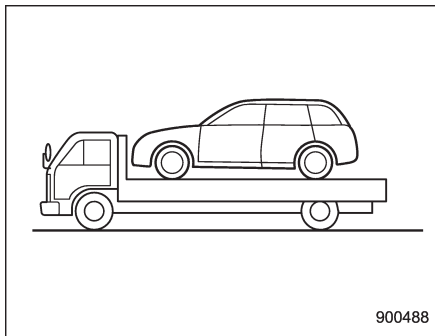


The rear tie-down hooks are located near each of the jack-up reinforcements.

WARNING

Use the rear tie-down hooks only for downward anchoring. If they are used to anchor the vehicle in any other direction, cables may slip off the hooks, possibly causing a dangerous situation.

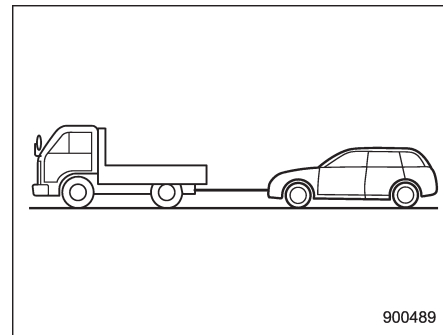
■ Using a flat-bed truck



This is the best way to transport your vehicle. Use the following procedures to ensure safe transportation.

1. Shift the select lever into the "P" position.
2. Press the parking brake pedal firmly.
3. Secure the vehicle onto the carrier properly with safety chains. Each safety chain should be equally tightened and care must be taken not to pull the chains so tightly that the suspension bottoms out.

■ Towing with all wheels on the ground



WARNING

- Never turn the ignition switch to the "LOCK" position while the vehicle is being towed because the steering wheel and the direction of the wheels will be locked.
- Remember that the brake booster and power steering do not function when the engine is not running. Because the engine is turned off, it will take greater effort to operate the brake pedal and steering wheel.



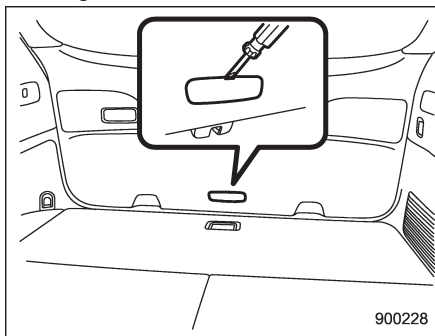
CAUTION

- If transmission failure occurs, transport your vehicle on a flat-bed truck.
- Do not run the engine while being towed using this method. Transmission damage could result if the vehicle is towed with the engine running.
- The traveling speed must be limited to less than 20 mph (30 km/h) and the traveling distance to less than 31 miles (50 km). For greater speeds and distances, transport your vehicle on a flat-bed truck.

1. Release the parking brake and put the transmission in neutral.
2. The ignition switch should be in the "Acc" position while the vehicle is being towed.
3. Take up slack in the towline slowly to prevent damage to the vehicle.

Rear gate – if the rear gate cannot be unlocked

In the event that you cannot unlock the rear gate by operating the power door locking switches or the remote keyless entry system, you can unlock it from inside the cargo area.

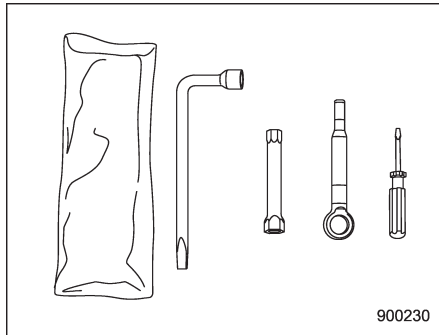


1. Remove the access cover at the bottom-center of the rear gate trim using flat-head screwdriver.
2. Locate the rear gate lock release lever behind the rear gate trim panel.



3. Unlock the rear gate by moving the lever to the right.
4. Open the rear gate from outside by raising the rear gate handle.

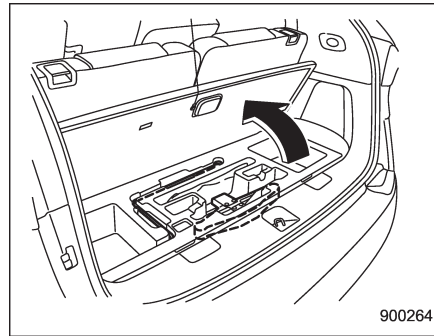
Maintenance tools



Your vehicle is equipped with the following maintenance tools.

- Screwdriver
- Towing hook (eye bolt) (if equipped)
- Wheel nut wrench
- Extension

■ Jack and jack handle



The jack and jack handle is stored under the cargo area.

For how to use the jack, refer to “Flat tires”
9-6.

