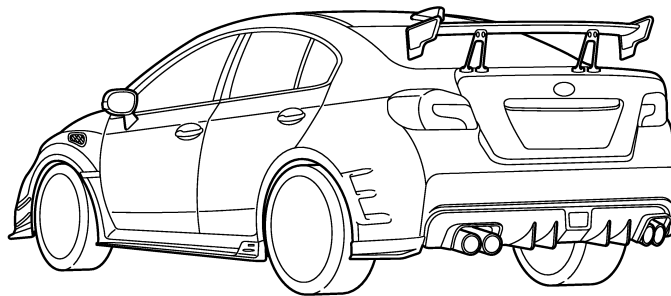
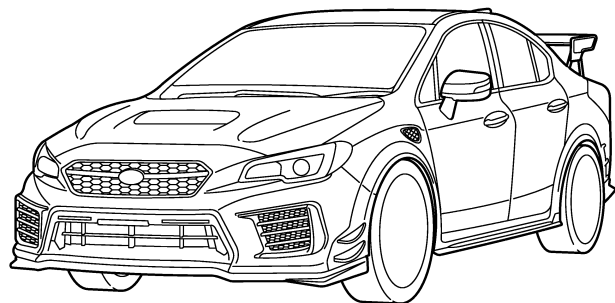

This supplement contains the descriptions for WRX STI S209. For information not covered in the supplement, refer to OWNER'S MANUAL for WRX & WRX STI.

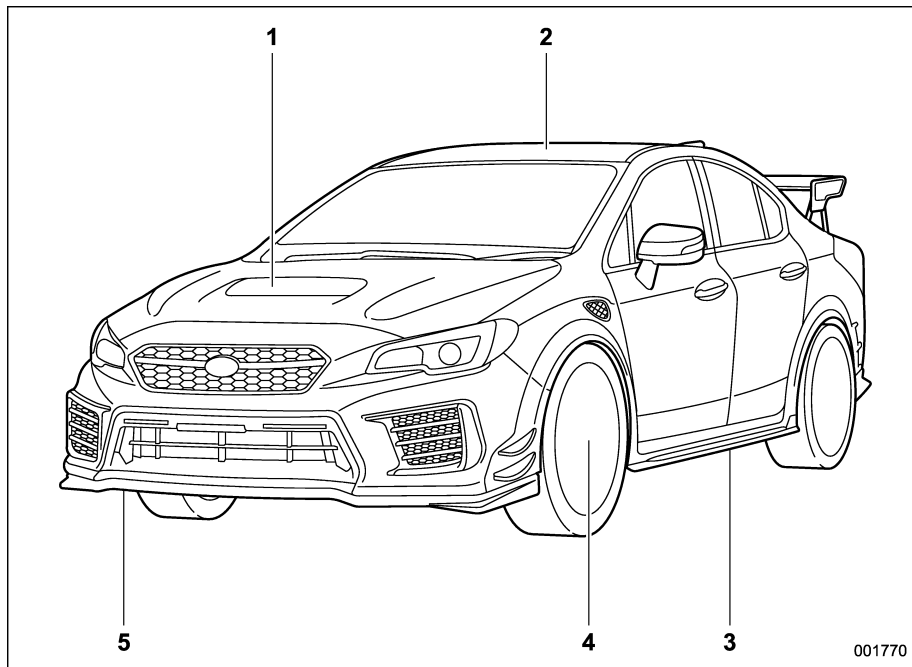
This manual describes the following vehicle type.



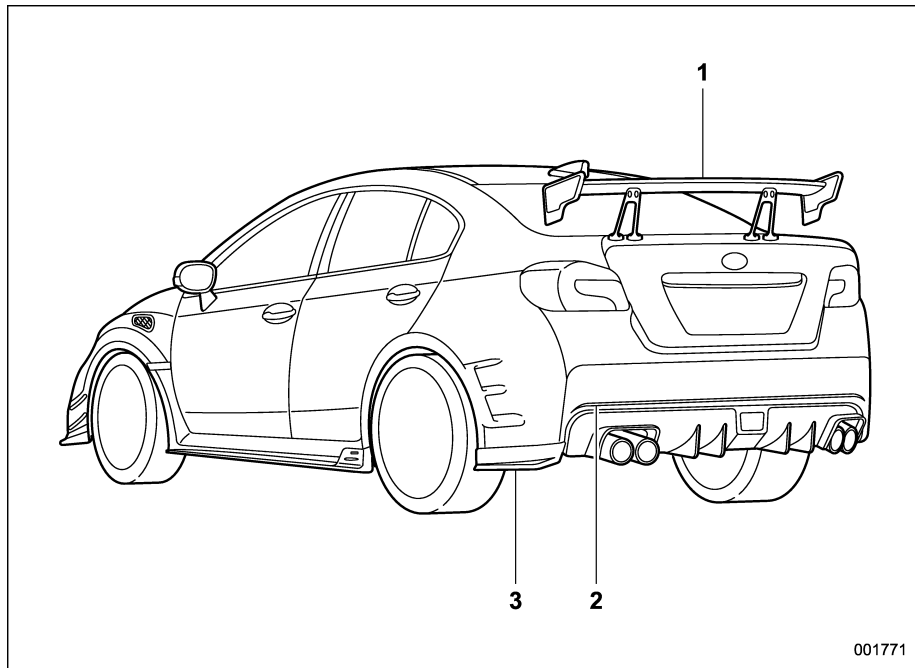
001768

Illustrated index

■ Exterior



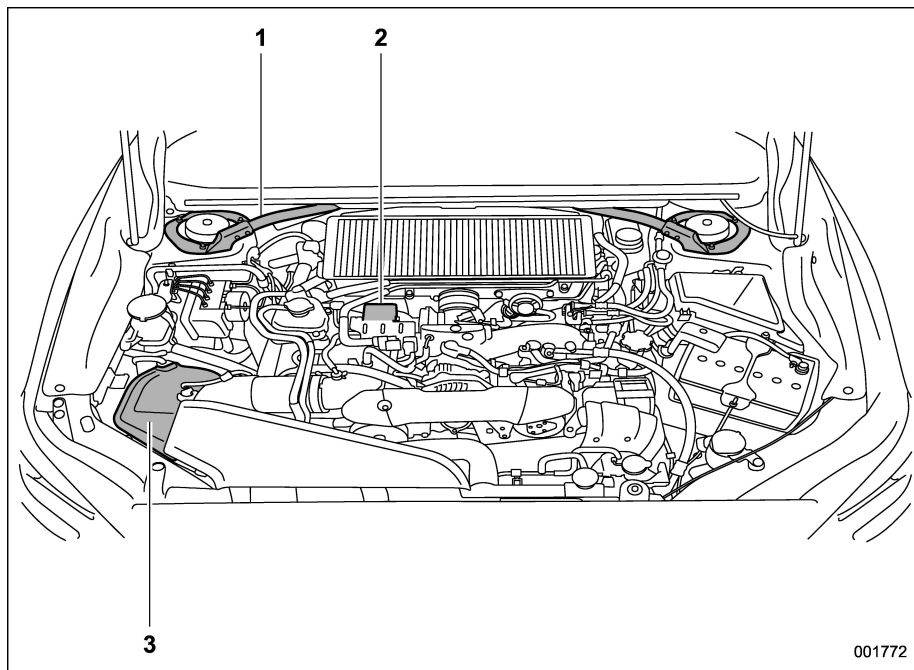
- 1) Intercooler water spray (page 5)
- 2) Carbon roof (page 20)
- 3) Side under spoiler (page 19)
- 4) Flat tires (page 11)/Tire pressure (page 29)
- 5) Front spoiler (page 19)



- 1) Rear wing (page 8)
- 2) Rear bumper cherry red stripe (page 21)
- 3) Rear under spoiler (page 19)

001771

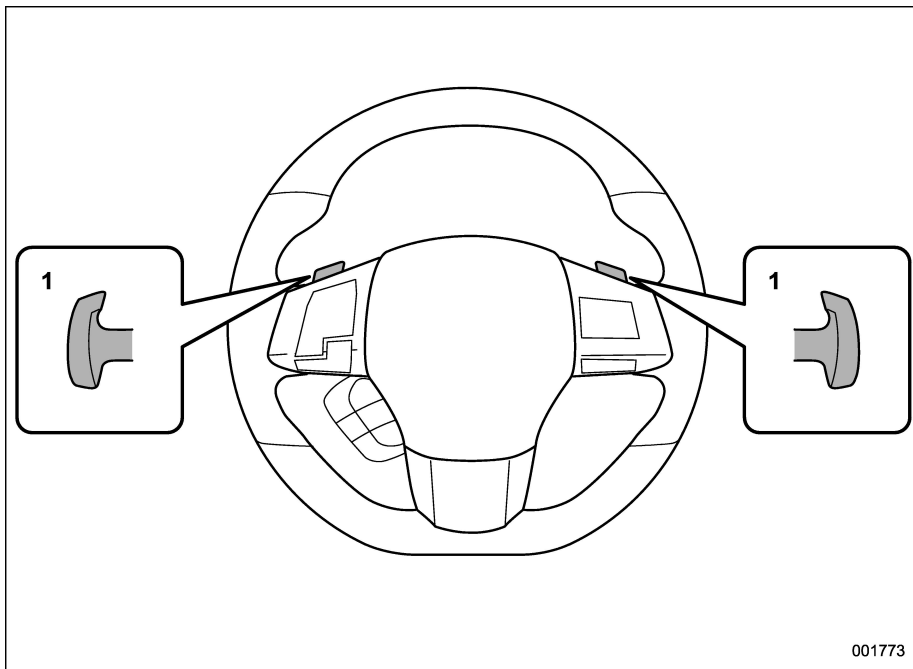
■ Engine compartment



- 1) Flexible tower bar (page 7)
- 2) Serial number plate (page 23)
- 3) Air cleaner case (page 22)

001772

■ Steering wheel

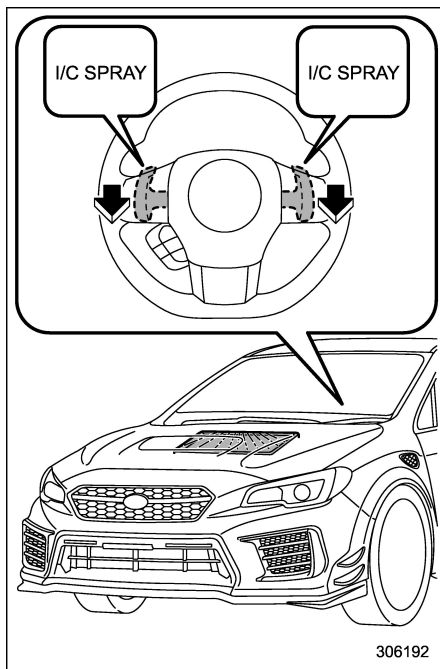


- 1) Intercooler water spray switches (page 5)

NOTE

For switches other than the intercooler water spray switches, refer to the vehicle Owner's Manual for details.

Intercooler water spray

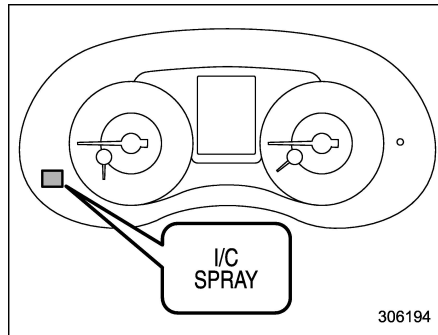


Intercooler water spray switches

Pull the intercooler water spray switches for approximately 1/2 seconds or more to spray water onto the intercooler. This can

be used to help maintain adequate intercooler performance when the outside temperature is high.

Water is sprayed to the intercooler regardless of which switch is pulled. Water is sprayed for approximately 2 seconds.



Intercooler water spray warning light

NOTE

- The intercooler water spray warning light comes on when the water level in the tank has dropped to the lower limit. If the warning light illuminates, refill the tank with water. The tank is under the floor of the trunk.
- In cold weather (when you do not use the intercooler water spray), keep the tank half-empty or below in case the water freezes. If a large amount of water in the tank freezes, it could

cause the tank to crack.

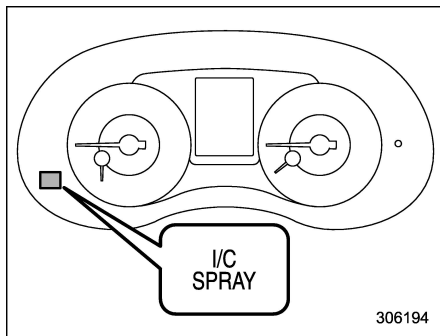
- This function does not dramatically improve the vehicle's performance.



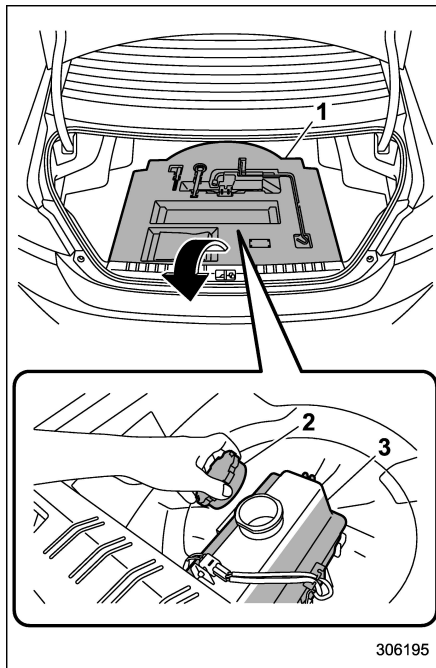
CAUTION

- Do not pull the switches when the warning light is illuminated. If the switch is kept pulled when the tank is short of water, the water pump motor could overheat.
- Do not pull the switches when the ambient temperature is 41°F (5°C) or lower. If the intercooler water spray is used in cold temperatures, the water could be frozen and cause the water pump motor to overheat.

■ Refilling the intercooler water spray tank



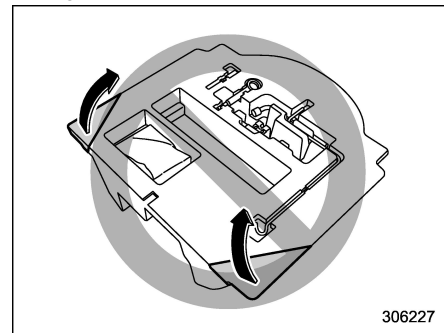
Add water to the intercooler water spray tank when the intercooler water spray warning light in the combination meter comes on. The warning light comes on when the water in the tank has decreased.



- 1) Storage compartment
- 2) Tank cap
- 3) Tank

The intercooler water spray tank is beneath the storage compartment under the floor of the trunk. Refer to "Under-floor

storage compartment" P10.



Do not move the storage compartment unless it is empty. Doing so could damage the storage compartment. To avoid this, remove the cargo from the storage compartment in advance, and hold it by the center to take it out of the trunk.

CAUTION

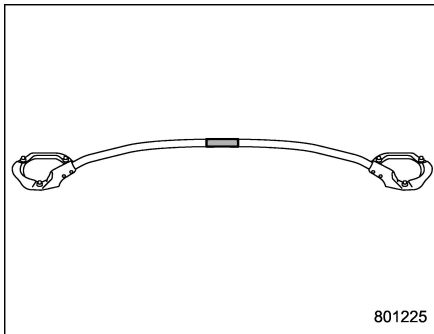
In cold weather (when you do not use the intercooler water spray), keep the tank half-empty or less in case the water freezes. If a large amount of water in the tank freezes, it could cause the tank to crack.

NOTE

- Use only pure water for refilling.
- The maximum amount of intercooler water is 3.9 US qt (3.7 liters, 3.3 Imp qt). The supply amount will be approximately 3.6 US qt (3.4 liters, 3.0 Imp qt) when the intercooler water warning light on the combination meter illuminates.
- If you spill water when refilling the tank, wipe off the spilled water.

Flexible tower bar

The flexible tower bar has an integrated pillow ball in the center rubber boot.



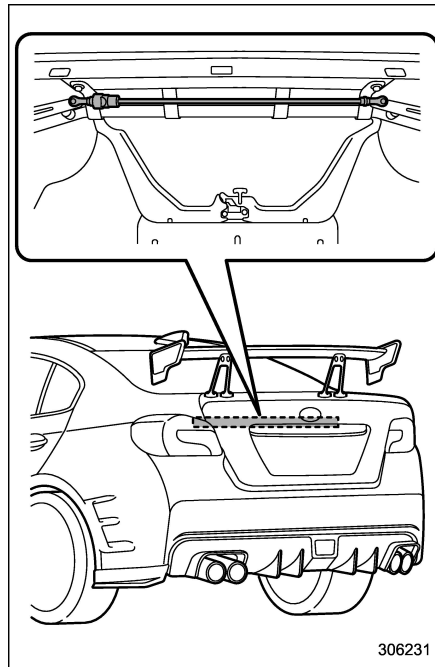
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NOTE

- Do not remove the flexible tower bar.
- Do not apply excessive force to the flexible tower bar.

Rear flexible draw stiffener

The rear flexible draw stiffener is attached to the upper part inside the trunk.



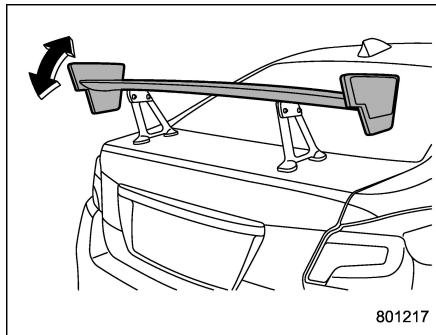
306231

NOTE

- Do not remove the rear flexible draw stiffener.
- Do not apply excessive force to the rear flexible draw stiffener.

Rear wing

On initial delivery, the rear wing is adjusted to an angle at which both stability at high speed and enhanced handling can be attained.



The rear wing can be adjusted to two different angles.

CAUTION

When handling the rear wing, observe the following precautions.

- Do not push or pull the rear wing with excessive force. Doing so may damage the rear wing.
- When waxing the vehicle, be careful not to leave any residual wax between the wing and wing

end-plates.

■ Adjusting the angle of the rear wing

▼ Before adjusting the angle

- Stop the vehicle in a safe place on a hard, flat surface.
- Apply the parking brake.
- Shift the shift lever to the "N" position.
- Stop the engine.

▼ Necessary tools

- TORX® wrench (T30)
- Wrench, socket wrench and socket, or a similar tool (diameter 0.4 in (10 mm))
- Torque wrench

▼ Adjusting procedure

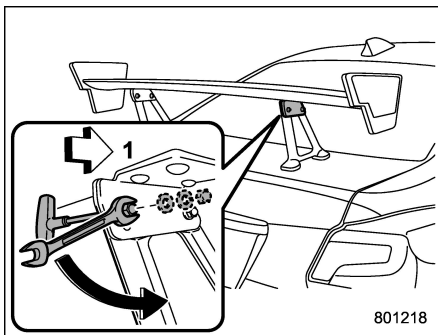
CAUTION

Observe the following precautions. Otherwise, the rear wing may be damaged.

- Make sure to loosen the rear nuts and bolts before adjusting the angle.
- When installing the rear bolts, make sure that both the left and right bolts are installed to the

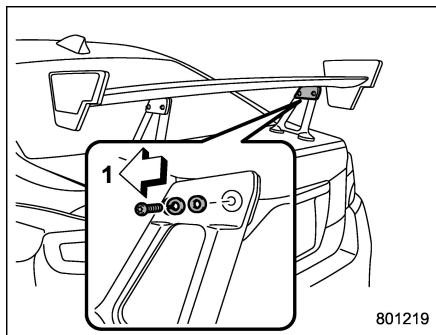
same position for the desired angle.

- Do not loosen the nuts and bolts on the front side.



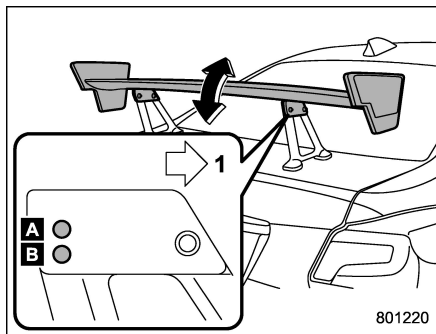
1) Front of vehicle

1. While holding the bolt on the rear side with a TORX® wrench, use a wrench, socket wrench and socket, or a similar tool to remove the nut and washers.



1) Front of vehicle

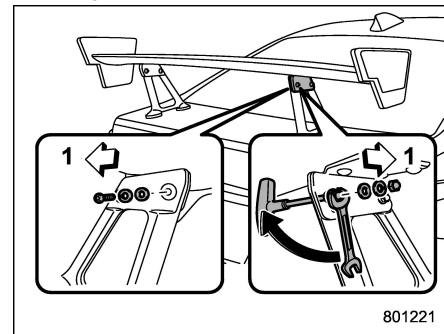
2. Remove the bolt and washers.



1) Front of vehicle
A) Standard position
B) High downforce position

3. Adjust the angle of the rear wing. We

recommend that you adjust the angle to the standard position for attaining both stability at high speed and enhanced handling.



1) Front of vehicle

4. Install the bolt and washers. While holding the bolt with a TORX® wrench, use a wrench, socket wrench or a similar tool to install the washers and nut and to tighten the nut.

Tightening torque:
2.2 lbf-ft (3.0 N·m, 0.31 kgf-m)

▼ After adjusting the angle

WARNING

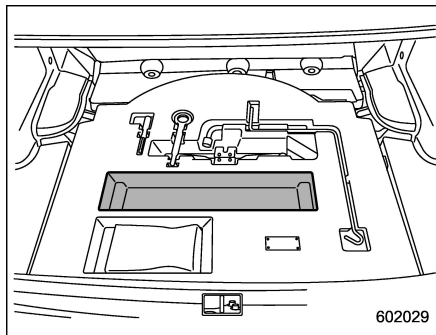
Make sure that the bolts and nuts are tightened securely. If they are

not tightened securely, the rear wing may come off while driving, possibly leading to an accident.

■ CFRP (Carbon Fiber Reinforced Plastic) parts

Due to the properties of the carbon fiber used in CFRP parts, the shade and density of the carbon fiber weave may vary.

Under-floor storage compartment



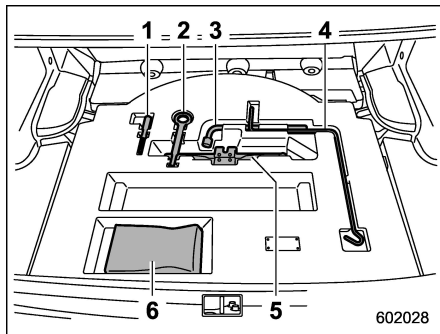
The storage compartment is located under the floor of the trunk and can be used to store small items. Pull the strap to open the center part of the cargo floor lid, and then remove the lid.

Maintenance tools

Your vehicle is equipped with the following maintenance tools.

- Jack
- Jack handle
- Screwdriver
- Towing hook (eye bolt)
- Wheel nut wrench
- Flat tire repair kit

Maintenance tools are stored under the floor of the trunk.



- 1) Screwdriver
- 2) Towing hook (eye bolt)
- 3) Wheel nut wrench
- 4) Jack handle
- 5) Jack
- 6) Flat tire repair kit

NOTE

For how to use the jack, refer to the vehicle Owner's Manual for details.

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.

■ Sealing flat tire

WARNING

 **Read these instructions and warnings carefully before sealing a flat tire.**

Compliance with these instructions is vital to ensuring vehicle safety. Noncompliance with these instructions means risking tire damage, which can affect vehicle handling and lead to loss of vehicle control. This may result in serious injury or death.

If the tire is punctured, you can seal the flat tire temporarily by using the flat tire repair kit. You can seal a flat tire caused, for example, by nails or similar objects with less than 0.2 in (4 mm). However, depending on the type and extent of tire

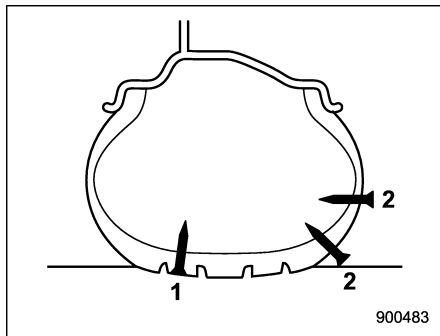
damage, some tires can only be partially sealed or not sealed at all, and this condition may cause a loss of tire pressure. A loss of tire pressure can affect vehicle handling, leading to the loss of vehicle control.

After sealing the flat tire temporarily, change the tire with a new one as soon as possible. We recommend that you have the sealed tire changed by your nearest SUBARU dealer. You may reuse the wheel if the attached sealant is wiped off, but the valve of the wheel must be replaced with a new one. If you reuse the wheel without replacing the valve, air may leak from the valve.

For tire replacement, refer to the vehicle Owner's Manual for details.

▼ Safety precautions when sealing flat tire

Observe the following rules when sealing a flat tire.



- 1) Sealing is possible
- 2) Sealing is not possible



WARNING

- Do not use the flat tire repair kit in the following cases.
 - The tire has already been damaged as a result of being driven in the under inflated condition.
 - The tire damage is not located within the visible tread of the tire.

- The tire damage is on the sidewall of the tire.
- When the tire has been taken off of the wheel.
- The wheel or the tire valve of the flat tire is damaged.
- Two or more tires have been punctured.
- The expiration date of the sealant has passed.
- The tire is punctured by pointed items such as nails of 0.2 in (4 mm) or larger.
- When inflating the flat tire, if the tire inflation pressure does not reach the green zone of the pressure gauge within 10 minutes, do not continue to seal the tire. We recommend that you contact your SUBARU dealer.
- Drive with caution and avoid making sudden steering or driving maneuvers.
- Do not exceed a maximum speed of 50 mph (80 km/h).
- Do not exceed a maximum driving distance of 125 miles (200 km).
- Do not use tire chains on a sealed tire.

- Do not tow a trailer.
- If used for a purpose other than sealing a flat tire, the flat tire repair kit may cause a severe accident or injury due to the fact that compressed air can act as an explosive or propellant.
- Safely park your vehicle on the roadside so that you do not obstruct the flow of traffic and so that you are able to seal the flat tire without being in danger.
- Apply the parking brake, even if the vehicle is parked on a level road, to make sure that the vehicle will not move.
- Stop the engine before sealing the flat tire.
- Turn on the hazard warning flasher while sealing the flat tire.
- Do not attempt to remove foreign objects like nails or screws that have penetrated the tire. Leave them as they are.
- Never leave the flat tire repair kit unattended while in use.
- Only one tire can be repaired with one bottle of sealant.
- The tire can be repaired when the ambient temperature is -22°F

(-30°C) or higher.

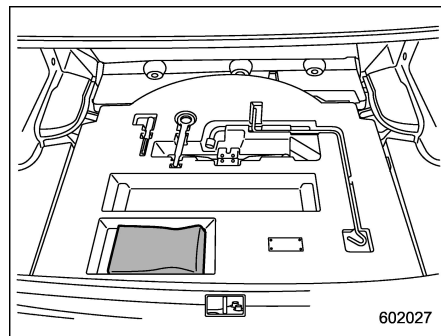
CAUTION

- Remember that the flat tire repair kit only provides temporary mobility. Regulations concerning tire repair after usage of flat tire repair kit may differ from country to country. We recommend that you consult your SUBARU dealer or tire dealer for advice.
- Store the flat tire repair kit safely and secure it in the cargo area. Storing it anywhere in the passenger compartment is not advisable because it could strike an occupant in the event of a sudden stop or collision and cause injury.
- Use the flat tire repair kit with original vehicle tires only.
- Do not keep the air compressor operating for more than 10 minutes, otherwise there is a risk of overheating.
- The temperature of the air compressor may become high. Be careful not to burn yourself.
- When raining, take measures to

prevent the air compressor from being exposed directly to the rain. Exposing to rain may cause a malfunction.

- Do not use air compressors other than the one in the repair kit. Using an air compressor other than the one in the repair kit may damage the tires.
- Do not disassemble or modify the air compressor to enable the use of a power supply or a battery other than DC12 V.
- If a temporary puncture repair is performed with the repair kit, the Tire Pressure Monitoring System (TPMS) may not operate normally.

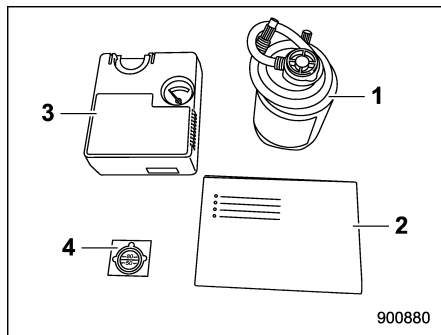
▼ Location of the flat tire repair kit



Flat tire repair kit

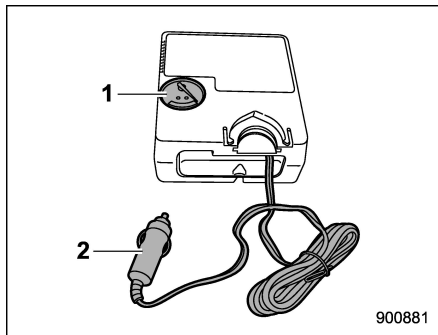
The flat tire repair kit is stored in the portion shown in the illustration.

▼ Contents of the flat tire repair kit



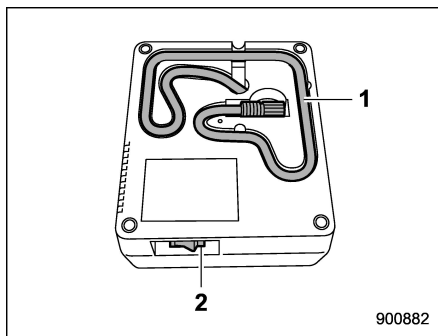
- 1) Sealant bottle
- 2) Quick reference guide
- 3) Air compressor
- 4) Speed limit label

The above repair kits are packed in a plastic bag. Return them to the plastic bag after use.



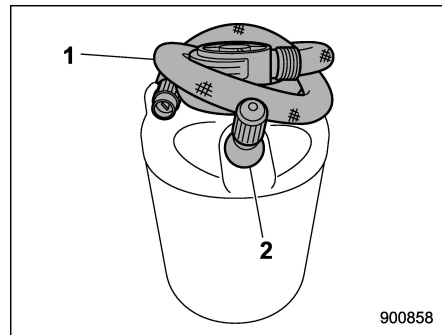
Air compressor (front side)

- 1) Air gauge
- 2) Power plug



Air compressor (rear side)

- 1) Hose
- 2) Compressor switch



Sealant bottle

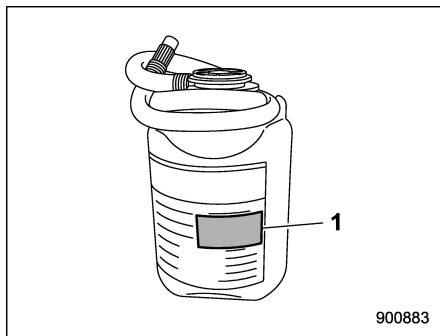
- 1) Hose
- 2) Valve



WARNING

- Do not drink the sealant. If the sealant is accidentally swallowed, seek medical attention immediately.
- If the sealant splashes onto your skin or eyes, wash it away immediately with plenty of water. If necessary, seek medical attention immediately.
- Keep the flat tire repair kit out of the reach of children.
- If a person who is allergic to natural rubber comes in contact

the sealant, allergy symptoms may occur.



900883

1) Expiration date

CAUTION

Replace the sealant bottle with a new one before the expiration date passes.

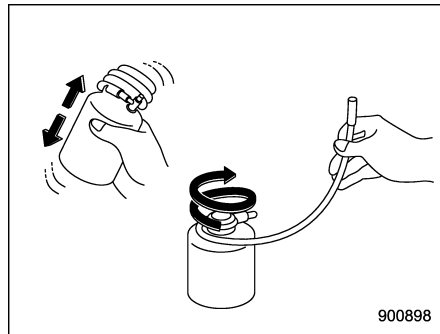
▼ How to seal the flat tire

To seal the flat tire, perform the following steps.

- First, pump in the sealant and air. Drive the vehicle for approximately 10 minutes or 3 miles (5 km) so that the sealant can seal the damaged area.

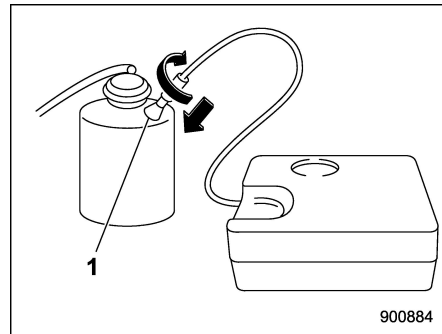
- Stop the vehicle again, check and, if necessary, adjust the pressure of the damaged tire.
- After that, you can continue to drive carefully no faster than 50 mph (80 km/h) and within the maximum distance of 125 miles (200 km).

Inform all other users of the vehicle that the tire has been temporarily sealed with the flat tire repair kit and make them aware of the special driving conditions to be observed.



900898

1. Shake the sealant bottle well. Loosen the hose.



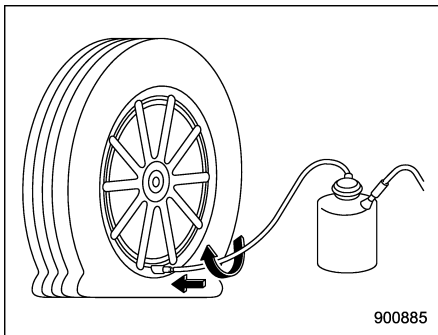
900884

1) Valve

2. Connect the air compressor hose to the valve on the bottle.

CAUTION

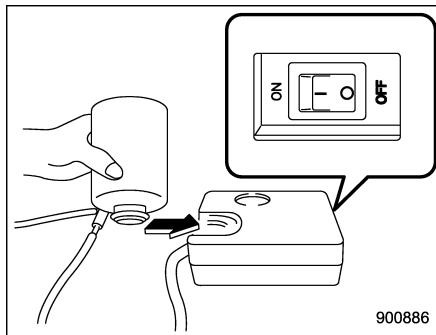
- **Make sure that the air compressor switch is OFF.**
- **The sealant may leak if the fitting is not tight enough.**



Connect the hose from the bottle to the tire valve stem tightly.

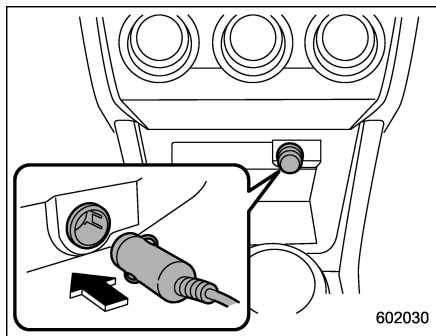
CAUTION

The sealant may leak if the fitting is not tight enough.



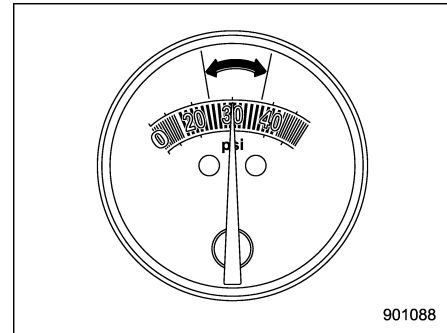
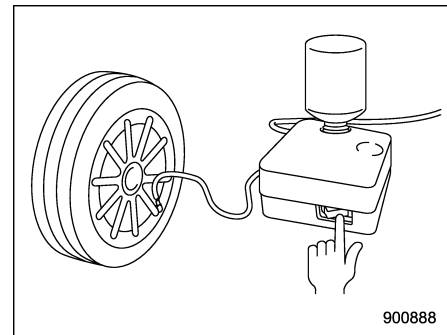
3. Turn the bottle upside down and tilt the bottle cap into the bottle holder of the air compressor.

Make sure that the air compressor switch is OFF.



4. Connect the power plug of the air

compressor into the accessory power outlet.



Apply the parking brake and turn on the ignition switch to the "ACC" position. Turn the air compressor switch on and adjust the air pressure to the appropriate level

(green zone of the air gauge).

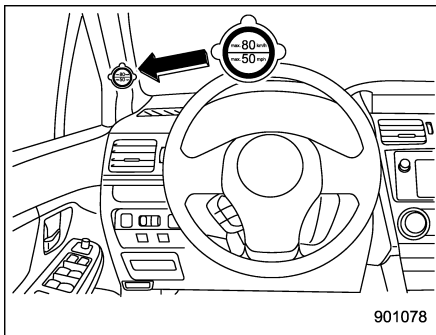
CAUTION

- Do not run the air compressor for more than 10 minutes as it can get hot. Be careful not to get burned.
- If tire pressure does not reach the green zone for 10 minutes, this kit will be unable to seal the tire. Contact your SUBARU dealer for help.

NOTE

- After the compressor starts to operate, the air pressure will temporarily rise to 45 psi (300 kPa, 3.0 kgf/cm²) or higher. After about 30 seconds when all of the sealant is inside the tire, the air pressure will lower, representing the air pressure in the tire.
- In extremely low temperatures -22°F to -4°F (-30°C to -20°C), the viscosity of the sealant increases and the sealant will flow more slowly. In such temperatures, bring the sealant into the vehicle to warm it up before use.

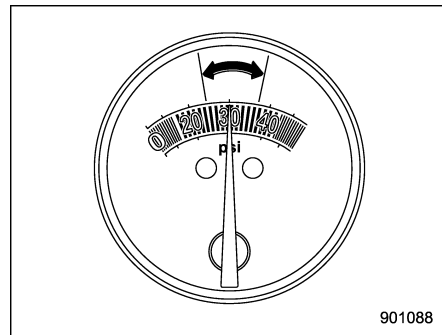
- When mending the tire, if the air pressure gauge is hard to read, turn the compressor switch off once to get an accurate reading.



5. While filling the tire with air, attach the speed limit label on the position shown in the illustration.

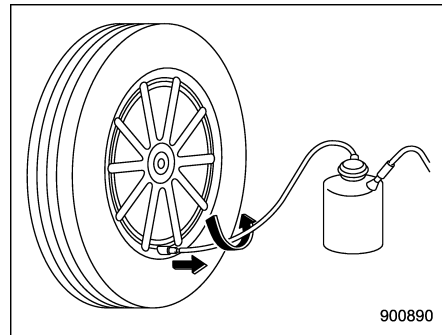
WARNING

Do not attach the speed limit label in a position where the label hides the warning lamp or on the steering wheel. It may interfere with the normal operation of the airbag and lead to a critical failure.



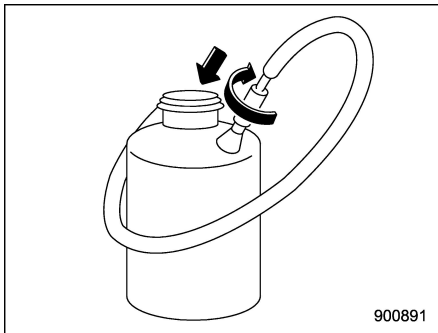
6. Turn the air compressor power switch off when the air pressure reaches the green zone of the air gauge.

Remove the power plug from the accessory power socket.



Remove the hose after filling the tire with

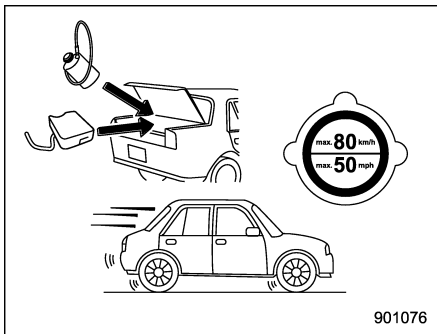
air and fasten the valve cap.



Connect the hose of the bottle to the valve of the bottle in a circular fashion to avoid leakage of the remaining sealant.

CAUTION

The sealant may stain clothing.

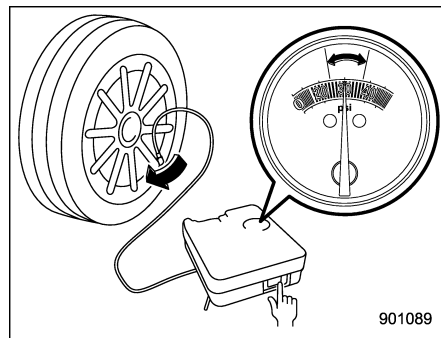


7. Stow the kit back in the vehicle and drive your vehicle immediately for 10 minutes or 3 miles (5 km).

WARNING

- Drive carefully. Do not exceed 50 mph (80 km/h). Driving faster than that can result in the vehicle shaking.
- Do not use tire chains on a sealed tire.
- Do not tow a trailer.
- If heavy vibrations, unsteady steering behavior or noises occur while driving, reduce your speed and drive with caution to a location where it is safe for you to stop the vehicle. Recheck the

tire and its pressure. If the tire pressure is in the red zone of the air gauge or if there are any cracks, bumps or similar tire damage visible, temporary repairs cannot be performed with the repair kit. We recommend that you consult with your SUBARU dealer or road service provider.



8. After driving for 10 minutes or 3 miles (5 km), whichever comes first, stop the vehicle in a safe place to recheck the air pressure (see step 4).

If necessary, fill the tire with air to the appropriate air pressure again and drive carefully to the nearest SUBARU dealer for tire, valve stem and sealant bottle

replacement.

NOTE

Connect the air compressor only to the tire valve.

CAUTION

- If the air pressure is in red zone of the air gauge, the kit did not successfully seal the puncture. In this case, stop driving and contact your SUBARU dealer for help.
- Do not drive your vehicle with the sealed tire for more than 125 miles (200 km). Failure to replace the valve stem may result in air leakage at the valve stem.

Before the tire is removed from the rim, inform your SUBARU dealer or other tire dealer that the tire contains sealant.

CAUTION

The sealant bottle and speed limit label need to be replaced after using the flat tire repair kit.

NOTE

New sealant and replacement parts can be purchased from your authorized repair shop or SUBARU dealer, and they should also be installed into the kit by a specialist. Empty sealant bottles and replacement parts must be returned to your SUBARU dealer or disposed of in compliance with local waste disposal regulations.

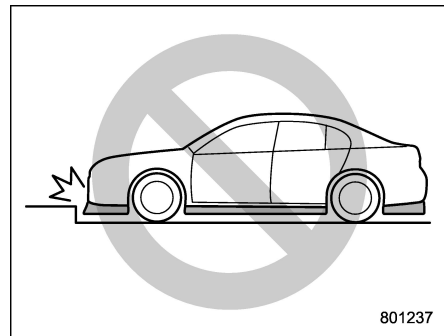
▼ Technical data of air compressor

Line voltage	DC 12 V
Operating voltage	DC 10 – 15 V
Amperage	Max. 10 A

Driving precaution

■ Front spoiler, side under spoilers and rear side under spoilers

This vehicle is equipped with a front spoiler, side under spoilers and rear side under spoilers. Therefore the clearance between the road surface and the vehicle is smaller than that of a standard vehicle.



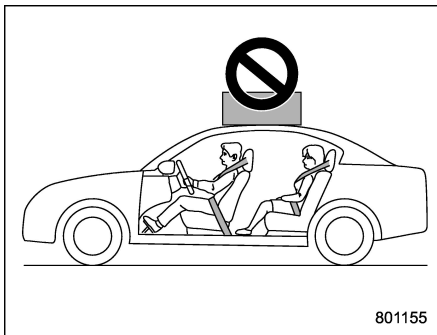
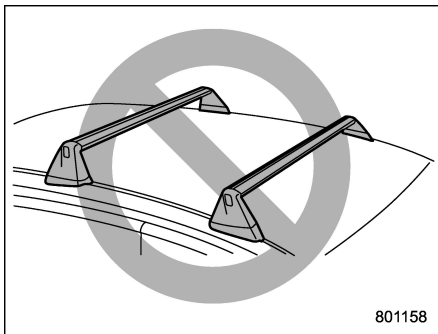
CAUTION

- The bottom of this vehicle is prone to come into contact with curbs, wheel chocks and uneven surfaces. Make sure the vehicle does not receive any scratches or damage when driving and

stopping the vehicle.

- There is a possibility that the spoiler may fall off when driving through deep puddles of water, snow and deep wheel tracks. In addition, it may receive damage in these cases. Be careful when driving under these conditions.
- Do not put any weight on the front spoiler, side under spoilers and rear side under spoilers. Doing so may cause deformation, breaking, dropping and damage.

■ Precautions for carbon roof



The roof carrier and other equipment cannot be attached on the carbon roof due to the design.

▲ WARNING

Do not place a roof carrier or any other equipment on the roof of the vehicle. Due to the design of the roof, the cargo may fall off and cause an accident.

▲ CAUTION

Do not place a roof carrier or any other equipment on the carbon roof. Doing so could damage the carbon roof.

Exterior care

■ Precautions when cleaning the carbon roof, rear wing, front spoiler, side under spoilers and rear side under spoilers

▲ CAUTION

- When cleaning, take care that you do not apply strong force to a single point. Depending on the degree of force and the location, there is the risk of denting the carbon roof, rear wing, front spoiler, side under spoilers and rear side under spoilers.
- After acid rain falls, it is recommended that the vehicle be washed before the water on the paint evaporates.
- Promptly wash off any bird droppings, insects, pollen, tree sap, or similar substance that adheres to the paint. If it is not promptly washed off, it may penetrate the paint.

- Remove any dirt using a neutral detergent. Do not use hard brushes or abrasive cleaners. Do not use strong or harsh chemical cleaners.
- As the CFRP parts may change color if they are exposed to ultraviolet rays for extended periods of time, we recommend that your vehicle be stored in a place where it will not be exposed to direct sunlight.
- Do not use wax that contains abrasives.

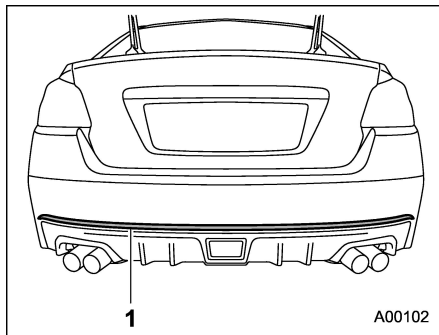
NOTE

Due to the characteristics of the carbon roof, white cloudy areas may occur in spots on the roof, however these do not affect performance in any way.

▼ Precautions when using a high-pressure washer

Keep a distance of 12 in (30 cm) or more between the washer nozzle and the vehicles body.

■ Precautions when cleaning around the rear bumper cherry red stripe



1) Rear bumper cherry red stripe

▼ Precautions when using a high-pressure washer

Keep a distance of 12 in (30 cm) or more between the washer nozzle and the stripe.

■ Precautions when cleaning the alloy wheels

The attached alloy wheels have a matte paint finish, so it is easy to notice if there is dirt or scratches. Do not polish the alloy wheels. Doing so could damage them.

▲ CAUTION

- After acid rain falls, it is recommended that the vehicle be washed before the water on the paint evaporates.
- Promptly wash off any bird droppings, insects, pollen, tree sap, or similar substance that adheres to the paint. If it is not promptly washed off, it may penetrate the paint.
- Remove any dirt using a neutral detergent. Do not use hard brushes or abrasive cleaners. Do not use strong or harsh chemical cleaners.
- Do not use wax that contains abrasives.

▼ Precautions when using a high-pressure washer

Keep a good distance of 12 in (30 cm) or more between the washer nozzle and the alloy wheels.

■ Washing



CAUTION

Do not use automatic car washes. Doing so may damage the rear wing or its finish.

Maintenance and service

■ Replacing the air cleaner element

Replace the air cleaner element according to the maintenance schedule in the "Warranty and Maintenance Booklet". Under extremely dusty conditions, replace it more frequently. It is recommended that you always use genuine STI parts.

NOTE

It may be difficult to replace the air cleaner element. Have the air cleaner element replaced by your SUBARU dealer if necessary.

■ Types of tires

You should be familiar with type of tires present on your vehicle.

▼ Summer tires



WARNING

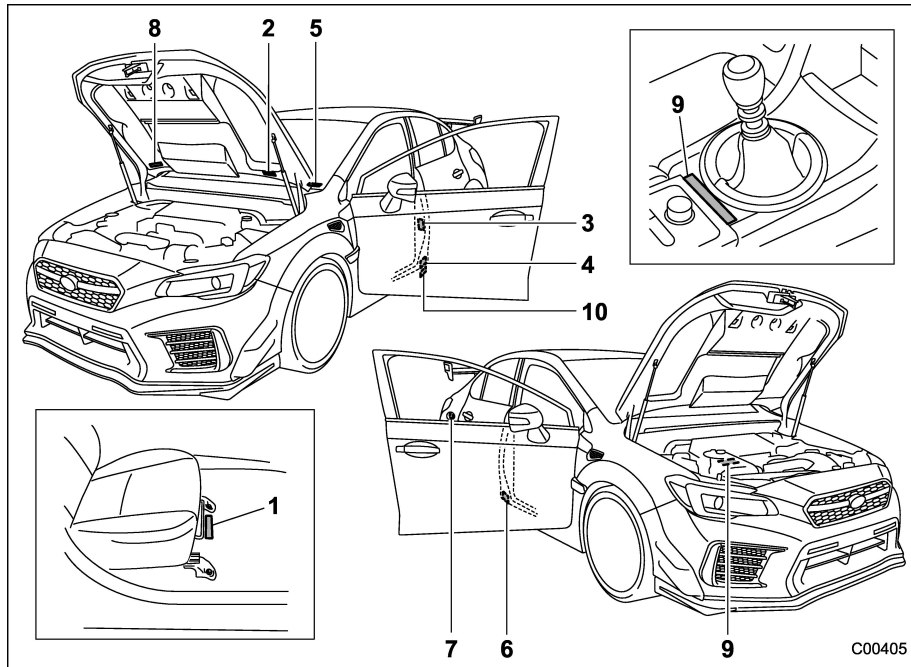
Never use summer tires when the temperature is below -4°F (-20°C) to prevent permanent tread deformation which may cause tire damage or tire failure. This may cause a loss of vehicle control which can

result in serious personal injury or death.

NOTE

For details about other supplementary information regarding the types of tires, refer to the vehicle Owner's Manual.

Vehicle identification



- 1) Vehicle identification number (under the floor carpet of the right-hand front seat)
- 2) Emission control label
- 3) Tire inflation pressure label
- 4) Certification label
- 5) Vehicle identification number plate
- 6) Model number label
- 7) Fuel label
- 8) Air conditioner label
- 9) Serial number plate
- 10) Altered vehicle label

C00405

Specifications

These specifications are subject to change without notice.

■ Dimensions

		in (mm)
Overall length		181.9 (4,620)
Overall width		72.4 (1,840)
Overall height		58.1 (1,475)
Wheel base		104.3 (2,650)
Tread	Front	60.8 (1,545)
	Rear	61.2 (1,555)
Ground clearance		4.9 (125)

■ Engine

Engine model	EJ25 (2.5 L, DOHC, turbo)
Engine type	Horizontally opposed, liquid cooled 4 cylinder, 4-stroke petrol engine
Displacement cu-in (cc)	150 (2,457)
Bore × Stroke in (mm)	3.92 × 3.11 (99.5 × 79.0)
Compression ratio	8.2 : 1
Firing order	1 – 3 – 2 – 4

■ Fuel

NOTE

The engine is designed to operate using unleaded gasoline.

Fuel	93 AKI (98 RON) or higher* ¹
Fuel tank capacity	15.9 US gal (60 liters, 13.2 Imp gal)

*1: If unleaded gasoline with an octane rating of 93 AKI (98 RON) is not available, unleaded gasoline with an octane rating of 91 AKI (95 RON) may be used with no detriment to engine durability or driveability.

■ Engine oil

For the checking, adding and replacing procedure or other details, refer to the vehicle Owner's Manual.

NOTE

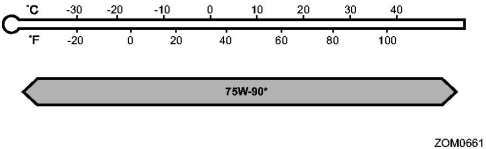
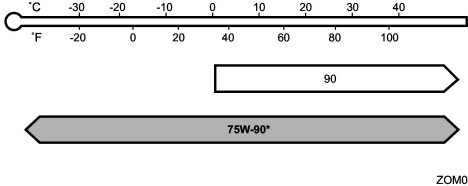
Have the procedure for changing the engine oil and oil filter performed by a properly-trained expert. It is recommended that you have this service performed by your SUBARU dealer.

▼ Approved engine oil

MOTUL 300V Power 5W-40 (100% synthetic):

The vehicle is filled at the factory with MOTUL 300V Power 5W-40 (100% synthetic). The S209 engine was developed using this oil. STI strongly recommends using only MOTUL 300V Power 5W-40 (100% synthetic). For further details, contact your SUBARU dealer. If the recommended engine oil is unavailable, other 5W-40 oils (100% synthetic) may be used. However, some performance loss may be noticed.

Manual transmission and rear differential gear oil

Oil	Manual transmission oil	Rear differential gear oil
Oil grade	API classification GL-5 (75W-90)* ²	API classification GL-5
SAE viscosity No. and applicable temperature		<ul style="list-style-type: none"> ● 75W-90* ● 90  <p style="text-align: center;">*: recommended</p>
Oil capacity* ¹	4.3 US qt (4.1 liters, 3.6 Imp qt)	1.1 US qt (1.0 liter, 0.9 Imp qt)
Remarks	Refer to the vehicle Owner's Manual for details.	Refer to the vehicle Owner's Manual for details.

*1: The indicated oil quantity is only a guideline. The necessary quantity for replacement may differ slightly depending on the temperature and other factors. Check the oil level after refilling the gearbox with oil.

*2: The vehicle is filled at the factory with this oil.

■ Fluids

Fluid	Fluid type*1	Fluid capacity*2	Remarks
Brake fluid	FMVSS No. 116, DOT 3 or DOT 4 brake fluid	—	*3
Clutch fluid	FMVSS No. 116, DOT 3 or DOT 4 brake fluid	—	
Power steering fluid	<ul style="list-style-type: none"> · SUBARU ATF · "Dexron III" Type Automatic Transmission Fluid · IDEMITSU ATF HP 	0.7 US qt (0.7 liter, 0.6 Imp qt)	

*1: Use one of the indicated types of fluid.

*2: The indicated fluid quantity is only a guideline. The necessary quantity for replacement may differ slightly depending on the temperature and other factors.

*3: For more details about maintenance and service, refer to the vehicle Owner's Manual.

■ Engine coolant

Coolant capacity	8.2 US qt (7.7 liters, 6.8 Imp qt)
Coolant type	SUBARU Super Coolant

The indicated coolant quantity is only a guideline. The necessary quantity for replacement may differ slightly depending on the temperature and other factors. For more details about maintenance and service, refer to the vehicle Owner's Manual.

■ Electrical system

Battery type	75D23L
Alternator	12V-110A
Spark plugs	ILFR7H (NGK)

■ Tires

Tire size	265/35R19 94Y	
Wheel size	19 × 9J	
Pressure	Front	33 psi (230 kPa, 2.3 kgf/cm ²)
	Rear	32 psi (220 kPa, 2.2 kgf/cm ²)
Wheel nut tightening torque	89 lbf·ft (120 N·m, 12 kgf·m)*1	

*1: This torque is equivalent to applying approximately 88 to 110 lbf (40 to 50 kgf) at the end of the wheel nut wrench. If you have tightened the wheel nuts by yourself, have the tightening torque checked at the nearest automotive service facility as soon as possible. For the wheel nut tightening procedure, refer to the vehicle Owner's Manual for details.

High performance driving precautions



WARNING

High performance driving is inherently dangerous. It should be performed only on a closed, supervised course by drivers with adequate skill and experience. High performance driving should never be performed on public roads. When driving on public roads, always obey posted speed limits and other applicable laws. Failure to follow these warnings, and the steps outlined below, may result in serious injury or death.



CAUTION

High performance driving presents a high risk of damage to your vehicle and its component parts. It requires additional maintenance and vehicle preparation, and should be performed only by drivers with adequate skill and experience. Failure to follow the steps outlined below may result in significant damage to your vehicle. Addition-

ally, your vehicle warranties do not cover damage that results from high performance driving.


Precautions for high performance driving are listed as follows. However, the listed precautions are minimum requirements and additional measures may be necessary to ensure safety. It is the owner's responsibility to maintain the vehicle in its optimum condition and acknowledge the risk of high performance driving.

■ Before driving

1. Inspect the remaining brake pad thickness and replace them if they are 6 mm or less. Consult your SUBARU dealer for replacement.
2. Prior to high performance driving, check the brake related parts. If changing the brake fluid to a high performance brake fluid, use an Ethylene glycol based brake fluid equivalent to genuine brake fluid. Do not use silicone based fluids. When a high performance fluid is used, check the brake related parts and perform an inspection frequently, including the brake hoses. These parts may be exposed to heat from high performance driving.

Change the fluid to genuine DOT3 fluid or DOT4 fluid after high performance driving.

3. If new brake pads have been fitted, prior to high performance driving, perform a brake quenching to achieve immediate and constant deceleration when braking at high speeds. Regarding brake quenching, refer to the following steps. Drive the vehicle for approximately 50 miles (80 km) while avoiding excessive acceleration and sudden braking. Then drive the vehicle for approximately 50 more miles (80 km) to burnish the brake pads. To burnish the brake pads, gradually increase the vehicle speed and apply strong braking.
4. The power steering fluid level is recommended to be maintained at "HOT MIN" due to the thermal expansion of the fluid when heated up. Refer to the vehicle Owner's Manual for details.
5. To improve engine cooling in high ambient temperatures, the undercover may be removed to increase the engine cooling efficiency. Consult your SUBARU dealer for details.
6. Make sure that the cooling vents/ducts, intercooler and the radiator are free of blockage.

7. When parking a vehicle under the blazing sun, the water in the intercooler water spray tank will be very high in temperature. Filling up the intercooler water spray tank with cold water prior to using the intercooler water spray may help to increase the intercooler performance. Refer to "Refilling the intercooler water spray tank"  P6.

8. Remove all unsecured cargo from the vehicle's interior, including the floor mats.

9. Remove the center cap from the alloy wheel to prevent discoloration and warpage from heat.

10. Check that the battery is securely fixed before driving.

11. Check that the tires have enough tread depth and are free of damage.

12. Prior to high performance driving, check that the tire pressures are the appropriate values that allow for the increasing temperature of the tires.

■ During driving

1. Tire pressure becomes high during high performance driving due to the increase in tire temperature. Adjust the tire pressure frequently in between drivings.

2. Before driving at high speeds, drive moderately to check the vehicle conditions.

3. Brake pedal travel may increase during high performance driving. In this case, decelerate the vehicle speed immediately and keep enough distance from, the vehicle in front then perform a cooling run.

4. It is crucial to sufficiently cool down the vehicle after high performance driving. Do not stop and park the vehicle immediately after high performance driving. Perform a cooling run and make sure the hood is opened when stopped.

■ After driving

1. After high performance driving, inspect the vehicle condition, such as wheel nut tightening torque, tire wear, brake wear, tire pressure and fluid levels, to ensure safety.

Inspection prior to high performance driving is also recommended.

2. If the undercover, floor mats and other parts are removed temporarily prior to high performance driving, do not forget to reinstall them.

3. Cracks may form on the surface of the disc rotors due to extreme braking from

high performance driving. Depending on the severity of the cracks, the disc rotors and brake pads may need to be replaced. Consult your SUBARU dealer for replacement.

