

FOREWORD

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1. Foreword

A: FOREWORD

These manuals are used when performing maintenance, repair, or diagnosis of the Subaru FORESTER.

Applied model: SG***** from 2004MY

The manuals contain the latest information at the time of publication. Changes in specifications, methods, etc. may be made without notice.

HOW TO USE THIS MANUAL

HOW TO USE THIS MANUAL

1. How to Use This Manual

A: HOW TO USE THIS MANUAL

1. STRUCTURE

Each section consists of SCT that are broken down into SC that are divided into sections for each component. The specification, maintenance and other information for the components are included, and diagnosis information has also been added where necessary.

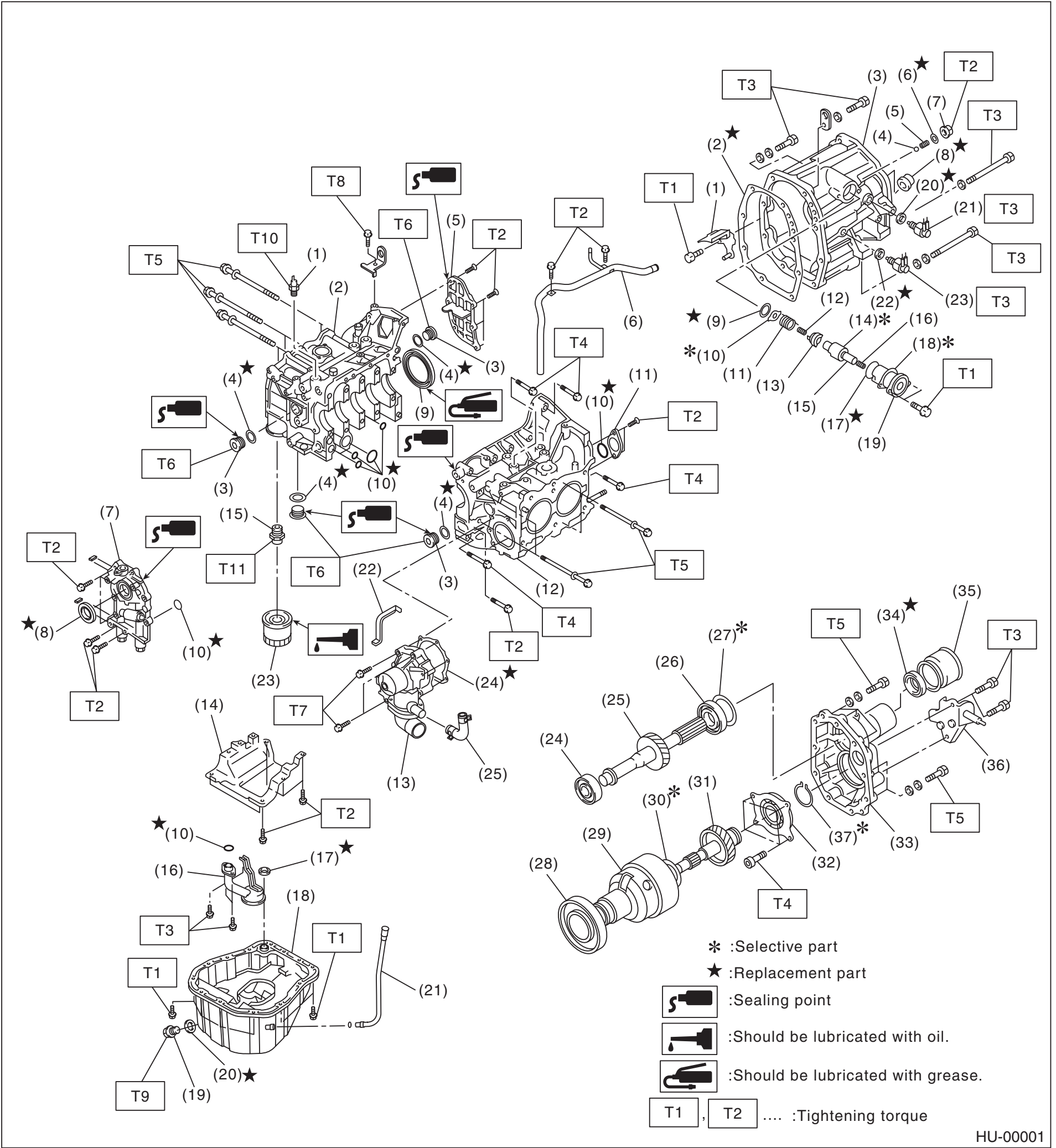
2. INDEX

The first page has an index with tabs.

3. COMPONENTS

Illustrations are listed for each component. The information necessary for repair work (tightening torque, grease up points, etc.) is described on these illustrations. Information is described using symbol. To order the parts, refer to parts catalogue.

Example:



HU-00001

HOW TO USE THIS MANUAL

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4. SPECIFICATIONS

If necessary, specifications are also included.

5. INSPECTION

Inspections are included to be carried out before and after maintenance.

6. MAINTENANCE

- Maintenance instructions for serviceable parts describes work area and detailed steps with illustration. It also describes the use of special tool, tightening torque, cautions for each procedure.
- If many serviceable parts are included in one service procedure, appropriate reference are provided for each part.

Example:

15.Main Shaft Assembly for Sin- (A)

gle-Range

A: REMOVAL (B)

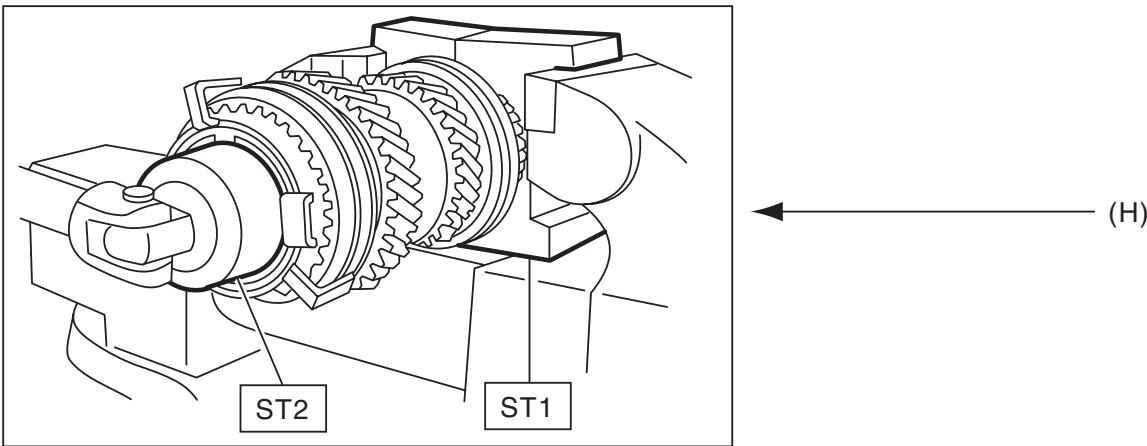
1) Remove the manual transmission assembly from vehicle. <Ref. to MT-33, REMOVAL, Manual Transmission Assembly.> (C)

11) Tighten the lock nuts to the specified torque using ST1 and ST2.

NOTE: (D)
Secure the lock nuts in two Places after tightening.

ST2 499987003 SOCKET WRENCH
ST1 498937000 (E) TRANSMISSION HOLDER (F)

Tighting torque: (G)
118 N·m (12.0 kgf-m, 86.8 ft-lb)



HU-00002

- | | | |
|---------------|---------------------------------|-----------------------|
| (A) Component | (D) Caution | (G) Tightening torque |
| (B) Process | (E) Tool number of special tool | (H) Illustration |
| (C) Reference | (F) Name of special tool | |

7. DIAGNOSIS

Tables showing a step-by-step process make it easy to conduct diagnosis.

8. SI UNITS

Measurements in these manuals are according to the SI units. Metric and yard/pound measurements are also included.

Example:

Tightening torque:
44 N·m (4.5 kgf-m, 33 ft-lb)

HOW TO USE THIS MANUAL

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IDENTIFICATION

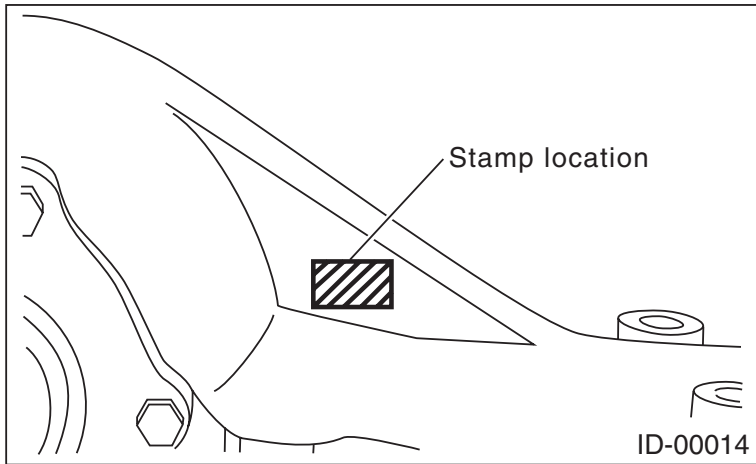
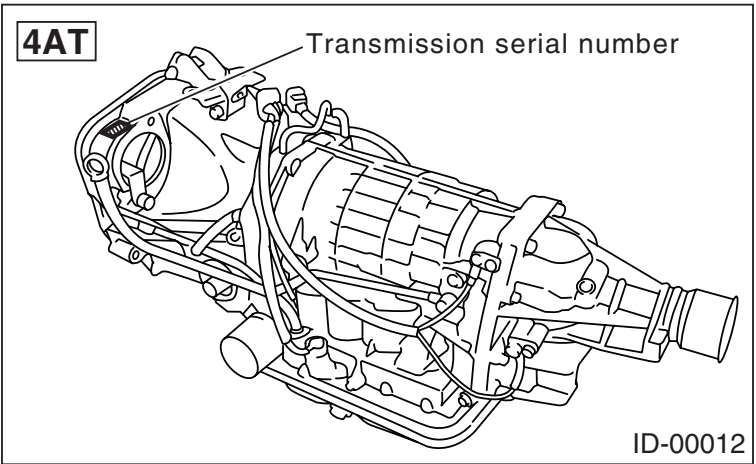
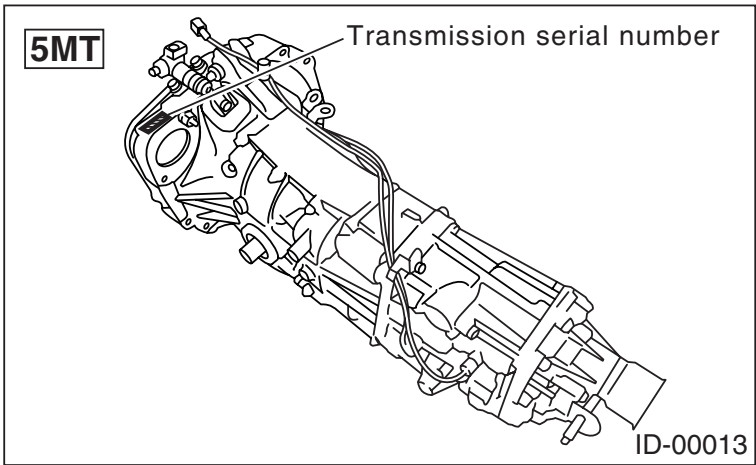
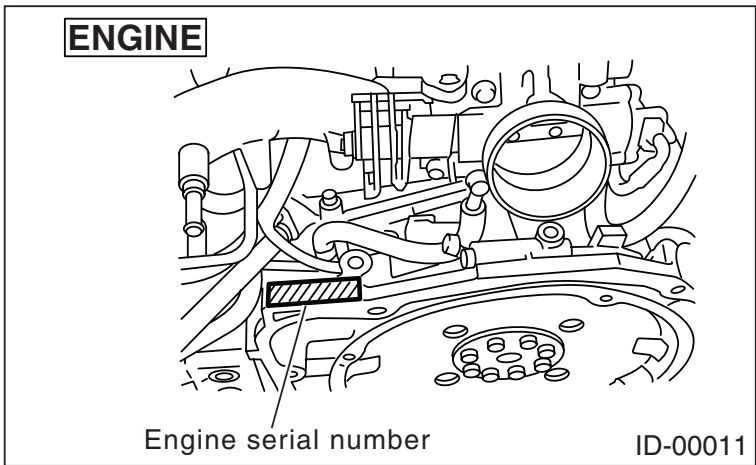
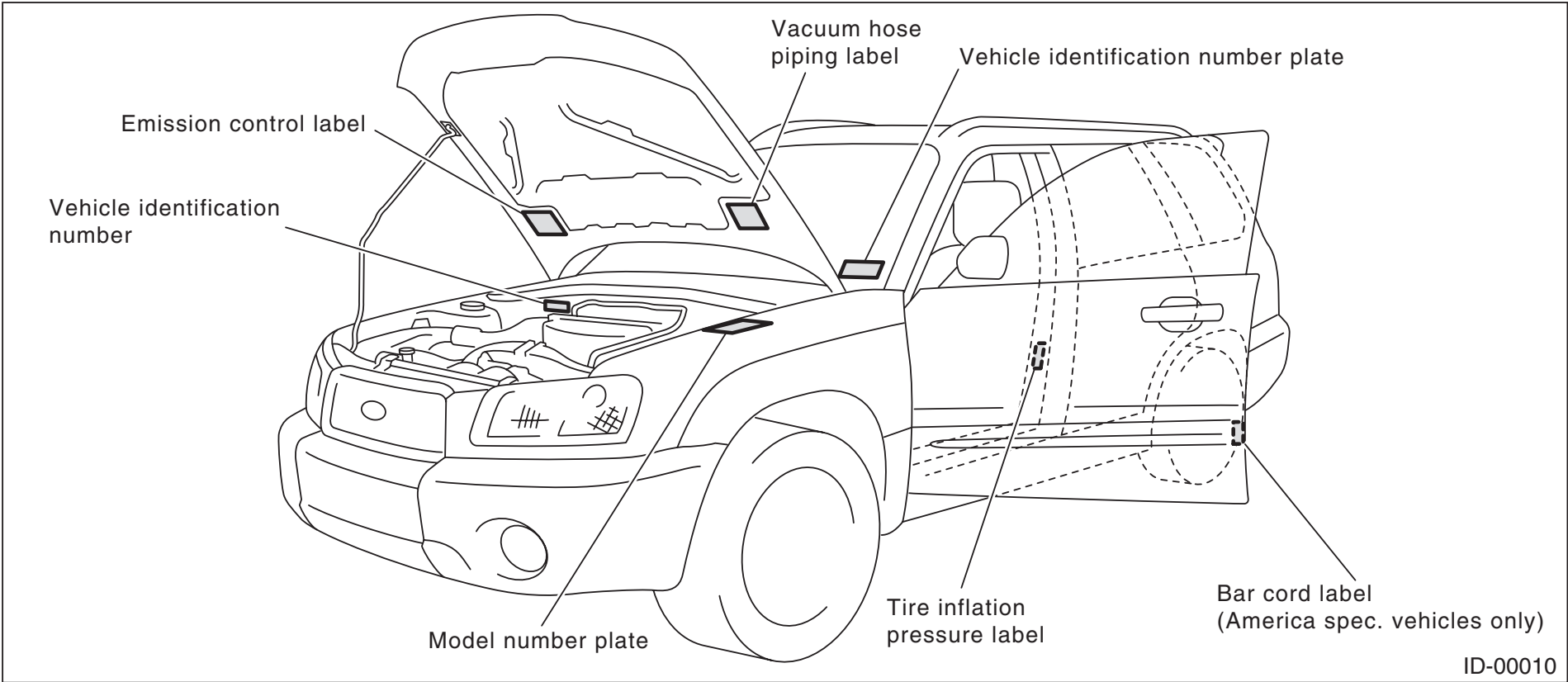
IDENTIFICATION

1. Identification

A: IDENTIFICATION

1. IDENTIFICATION NUMBER AND LABEL LOCATIONS

The VIN (Vehicle Identification Numbers) is used to classify the vehicle.
Positioning of the plate label for identification



IDENTIFICATION



The meaning of the VIN is as follows:

The starting and ending brackets (] [) are stop marks.

12 to 17	700001	Serial number	—
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IDENTIFICATION

IDENTIFICATION

3. MODEL NUMBER PLATE

The model number plate indicates: the applied model, the option code, the trim code, the engine type, the transmission type, and the exterior color code. This information is helpful when placing orders for parts.

SG9BY7J

Digits	Code	Meaning	Details
1	S	Series	S: Forester
2	G	Body type	G: Wagon
3	9	Engine displacement Drive system Suspension system	9: 2.5L AWD
4	B	Model year	B: 2004MY
5	Y	Destination	Y: U.S.A., Canada
6	7	Grade	7: 2.5X 8: 2.5XS B: 2.5XT
7	J	Transmission, fuel feed system	J: SOHC MFI 5-speed MT R: SOHC MFI 4-speed AT D: DOHC Turbo MFI 5-speed MT P: DOHC Turbo MFI 4-speed AT

The engine and transmission type are as follows:

• Engine

EJ251BWTAA

Digits	Code	Meaning	Details
1 and 2	EJ	Engine type	EJ: 4 cylinders
3 and 4	25	Displacement	25: 2.5L
5	1	Fuel feed system	1: D-MFI SOHC-A 5: MFI DOHC Turbo
6	B	Exhaust regulations	B: US Federal & California
7	W	Transmission	W: MT X: AT
8 to 10	TAA	Detailed specifications	Used when ordering parts. See the parts catalog for details.

• Transmission

TY755VC4AA

Digits	Code	Meaning	Details
1	T	Transmission	T: Transmission
2	Y	Transmission type	Y: Full-time AWD MT center differential Z: Full-time AWD AT MPT
3 and 4	75	Classification	75: MT 1A: AT 1B: AT (Turbo)
5	5	Series	3: AT 5: MT, AT (Turbo)
6	V	Transmission specifications	V: Full-time AWD 5-speed MT with viscous coupling center differential single range Z: Full-time AWD 4-speed AT with MPT L: Full-time AWD 4-speed AT with MPT (Turbo)
7	C	Mounted body	C: US 2.5L SOHC H: 2.5L DOHC Turbo
8 to 10	4AA	Detailed specifications	Used when ordering parts. See the parts catalog for details.

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• Rear differential

T2

Code	Reduction gear ratio	LSD
T2	4.111	No
JP	4.111	Viscous
TP	4.444	No
CF	4.444	Viscous

• Option code

U4QW

Digits	Code	Meaning	Details
1 to 2	U4	Destination	U4: U.S.A. CO: Canada
3 to 4	QW	Main option of vehicle	—

IDENTIFICATION

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1. Note**A: NOTE**

This is information that can improve efficiency of maintenance and assure sound work.

1. FASTENER NOTICE

Fasteners are used to prevent parts from damage and dislocation due to looseness. Fasteners must be tightened to the specified torque.

Do not apply paint, lubricant, rust retardant, or other substances to the surface around bolts, fasteners, etc. Doing so will make it difficult to obtain the correct torque and result in looseness and other problems.

2. STATIC ELECTRICITY DAMAGE

Do not touch the control unit, connectors, logic boards, and other such parts when there is a risk of static electricity. Always use a static electricity prevention cord or touch grounded metal before conducting work.

3. BATTERY

When removing the battery cables, always be sure to turn the ignition off to prevent electrical damage to the control unit from rush current.

4. SERVICE PARTS

Use authentic service parts for maximum performance and maintenance, when conducting repairs. Subaru/FHI will not be responsible for poor performance resulting from the use of parts not specified by a genuine dealer.

5. PROTECTING VEHICLE UNDER MAINTENANCE

Make sure to attach the fender cover, seat covers, etc. before work.

6. ENSURING SAFETY DURING WORK

When working in a group of two or more, perform the work with calling each other to ensure mutual safety.

NOTE

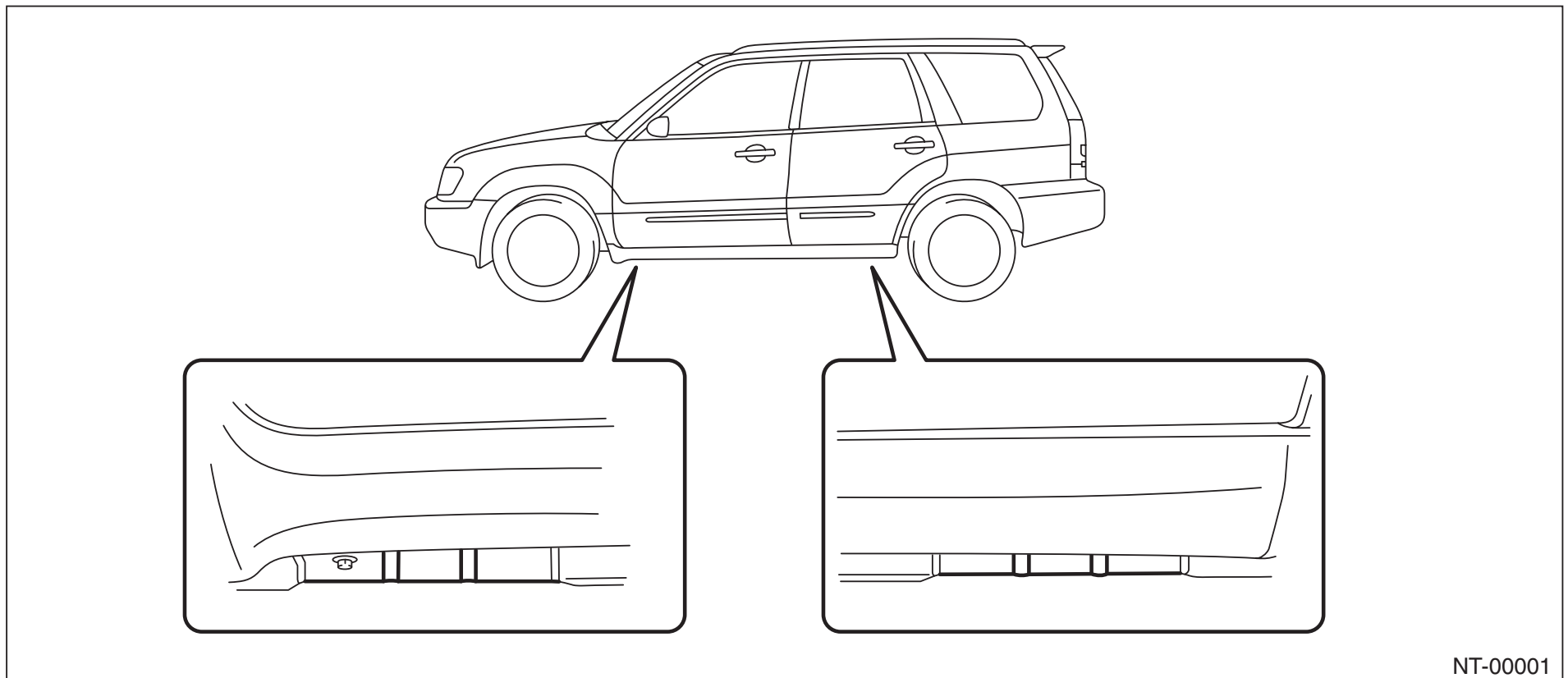
NOTE

7. LIFTS AND JACKS

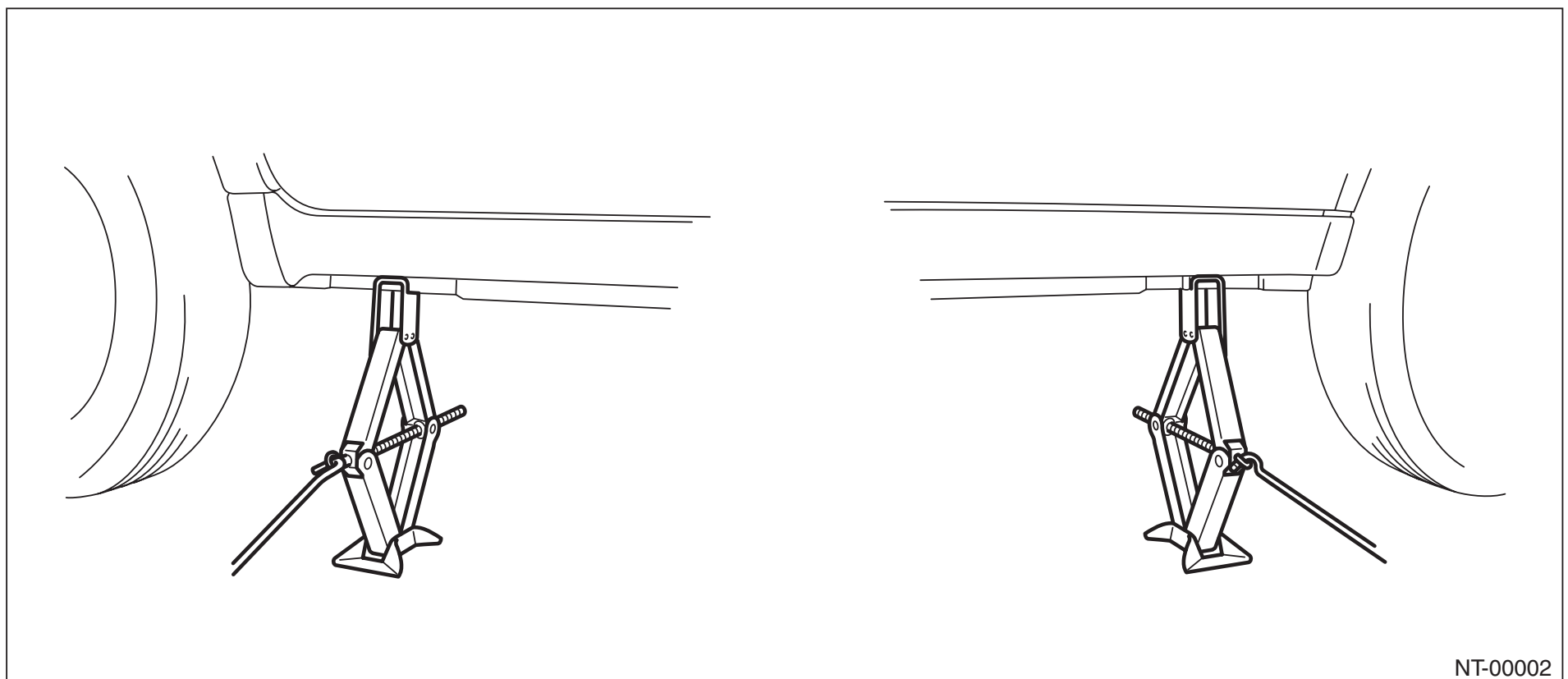
When using a lift or jack to raise a vehicle, always follow instructions concerning jack-up points and weight limits to prevent the vehicle from falling, which could result in injury. Be especially careful to make sure the vehicle is balanced before raising it.

Be sure to set the wheel stoppers when jacking-up only the front or rear of the vehicle.

- **Support Locations**



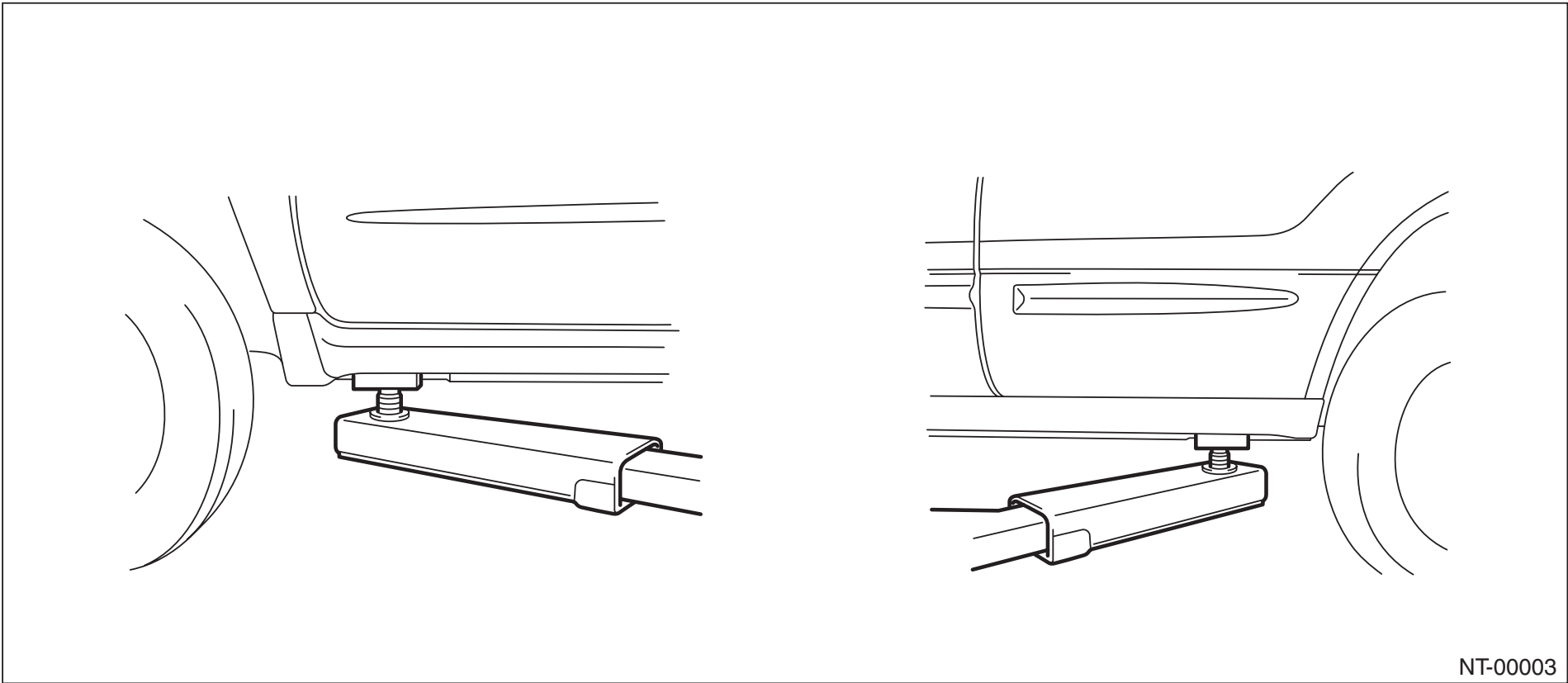
- **Pantograph jack**



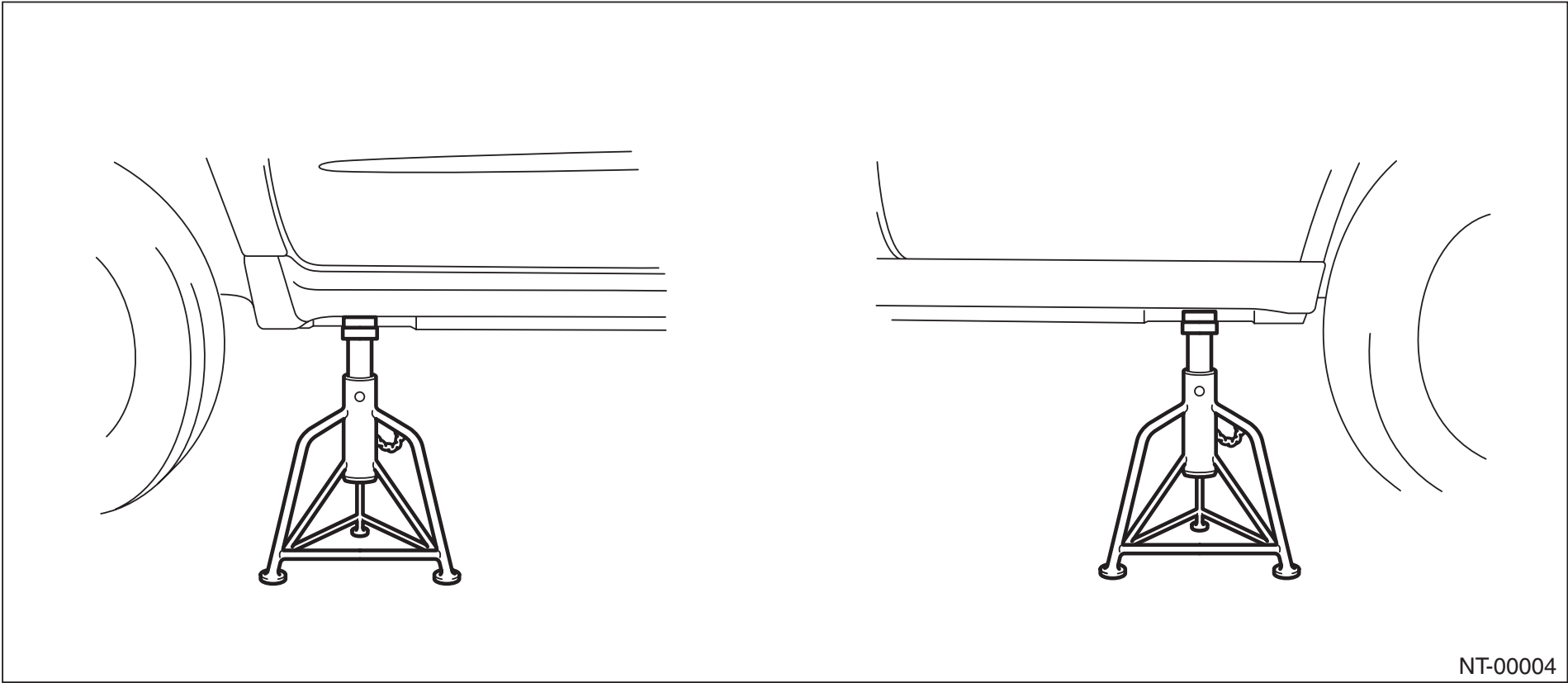
NOTE

NOTE

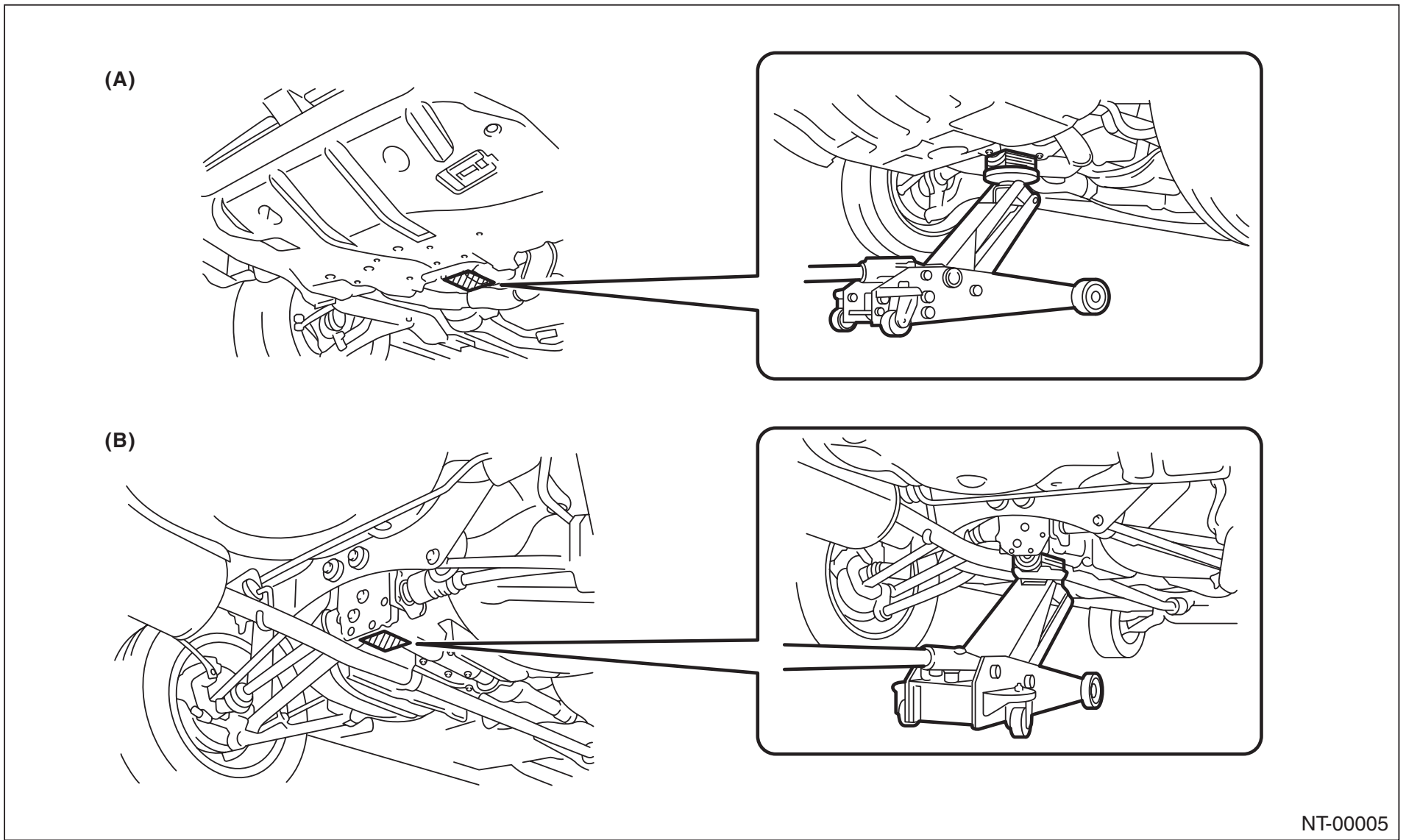
• Lift



• Safety stand



• Jack-up point



NT-00005

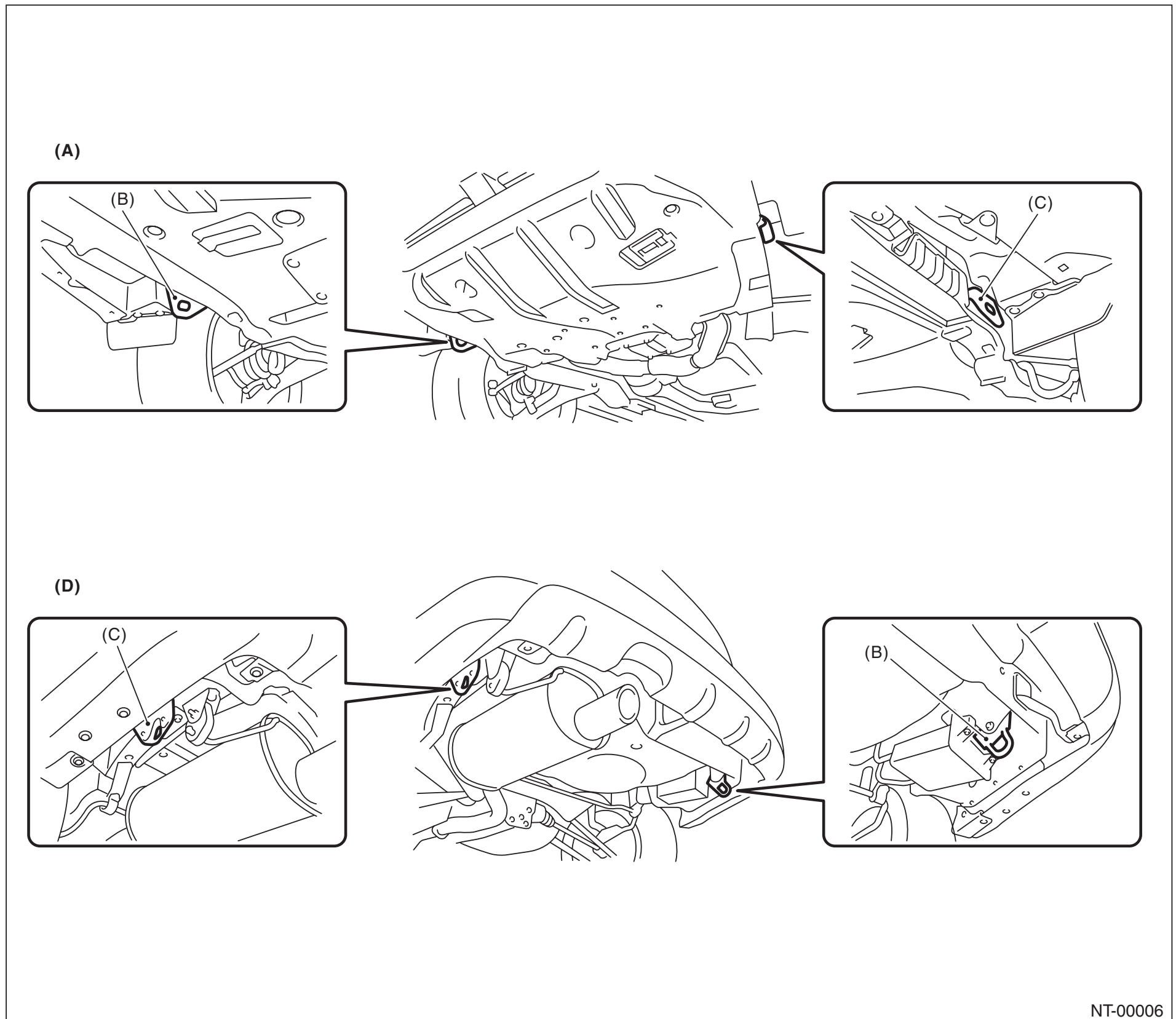
- (A) Front
- (B) Rear

NOTE

NOTE

8. TIE-DOWNS

Tie-downs are used when transporting vehicles and when using the chassis dynamo. Attach tie-downs only to the specified points on the vehicle.

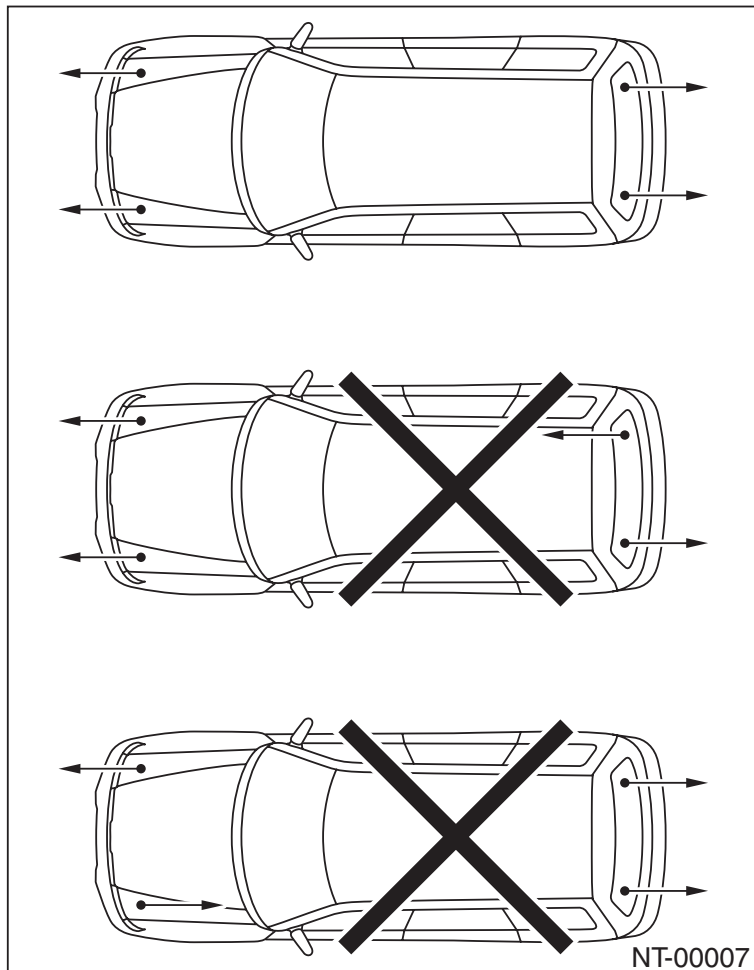


- (A) Front
- (B) Hook for towing and tie-down
- (C) Hook for tie-down
- (D) Rear

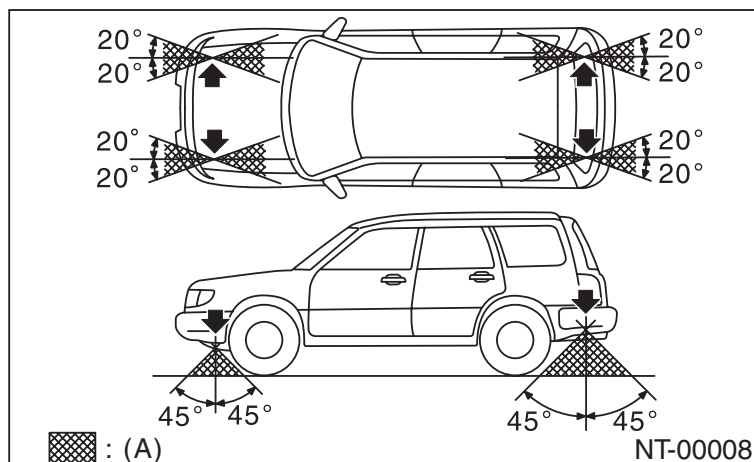
NOTE

NOTE

• Chain direction at tie-down condition



• Chain pulling range at tie-down condition



(A) Chain pulling range at tie-down condition

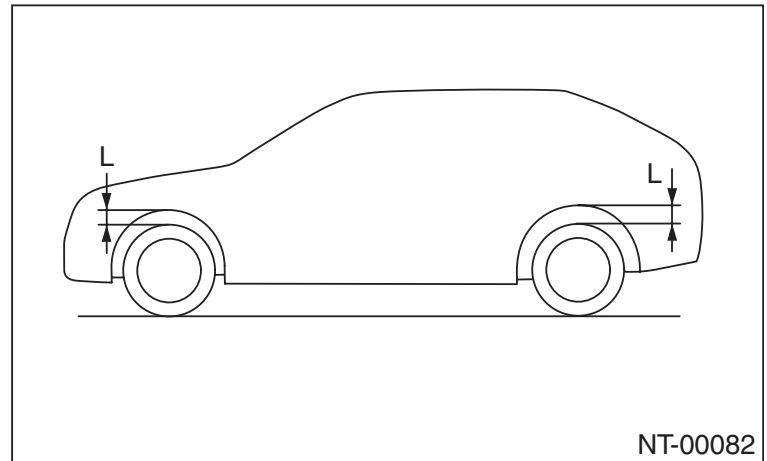
9. TOWING

Avoid towing vehicles except when the vehicle cannot be driven. For models with AWD or AT use a loader instead of towing. When towing other vehicles, to prevent excessive weight from damaging the hook or vehicle:

- Do not tow other vehicles with a front hook for tie-down.
- Make sure the vehicle towing is heavier than the vehicle being towed.

• Vehicle sinking volume at tie-down condition

Measure the distance L between tire highest point to arch highest point before tie-down and after tie-down. Difference of measurement value (drop height) shall be within 50 mm (1.97 in). Make sure to fix the vehicle securely.

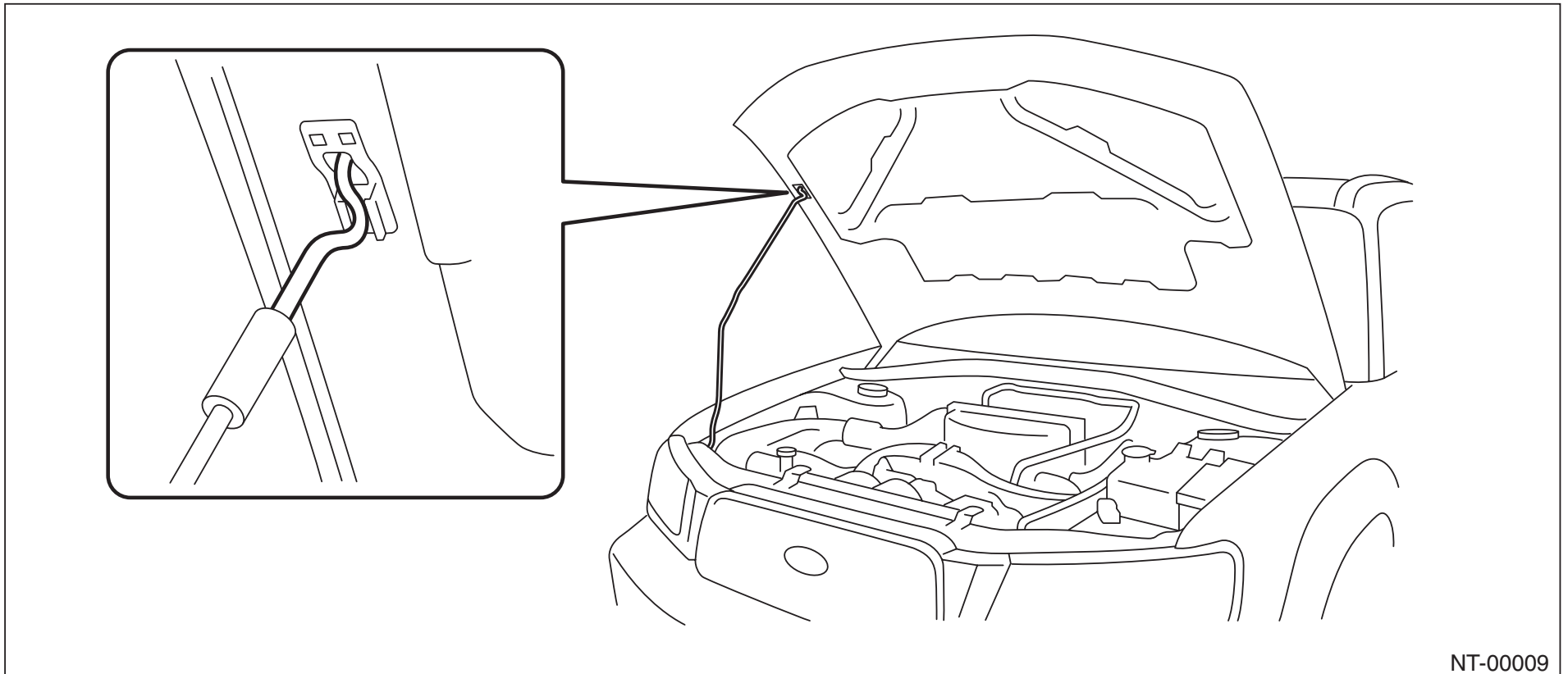


NOTE

NOTE

10.FRONT HOOD STAY INSTALLATION

- At the check and general maintenance

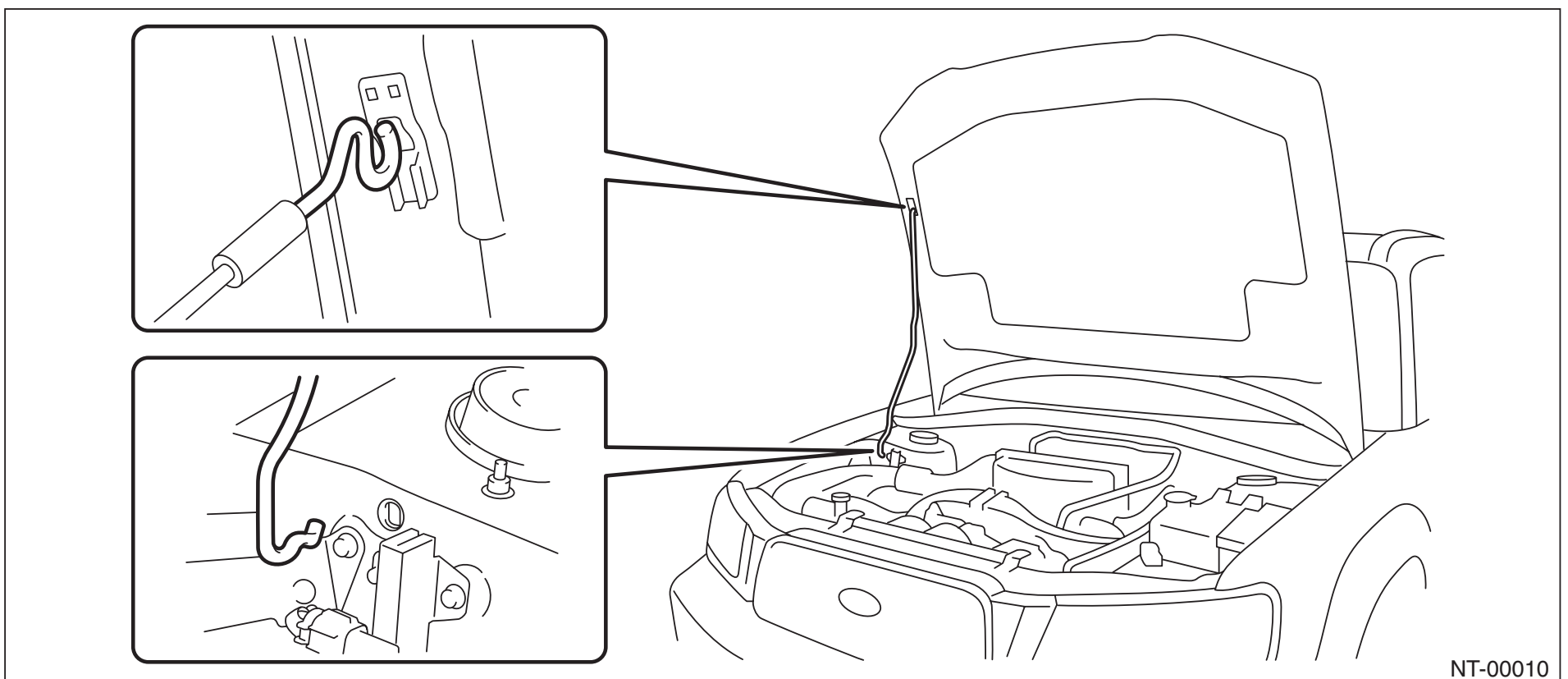


- When wider hood opening is necessary

Set stay into the hole of hood inner as shown in the figure below.

NOTE:

Before setting the front hood in this position, remove the windshield washer hose attaching clip from the front hood.



11.TRAINING

For information about training, contact a dealer or agent.

12.GENERAL SCAN TOOL

Using general scan tools will greatly improve efficiency of repairing engine electronic controls. The SUBARU Select Monitor can be used to diagnose the engine and also the ABS, the air conditioner, and other parts.

PRECAUTION

PRECAUTION

1. Precaution

A: PRECAUTION

Please clearly understand and adhere to the following general precautions. They must be strictly followed to avoid minor or serious injury to the person doing the work or people in the area.

1. ABS

Handle the ABS as a total system. Do not disassemble or attempt to repair individual parts. Doing so could prevent the ABS system from operating when needed or cause it to operate incorrectly and result in injury.

2. BRAKE FLUID

If brake fluid gets in your eyes or on your skin, do the following:

- Wash out your eyes and seek immediate medical attention.
- Wash your skin with soap and then rinse thoroughly with water.

3. RADIATOR FAN

The radiator fan may rotate without warning, even when the engine is not on. Do not place your hand, cloth, tools, or other items near the fan at any time.

4. ROAD TESTS

Always conduct road tests in accordance with traffic rules and regulations to avoid bodily injury and interrupting traffic.

5. AIRBAG

To prevent bodily injury from unexpected deployment of airbags and unnecessary maintenance, follow the instructions in this manual when performing maintenance on airbag components or nearby, and airbag wiring harnesses or nearby.

To prevent unexpected deployment, perform one of the steps below and then wait at least 20 seconds to discharge electricity before beginning work.

- Step 1: Turn the ignition switch OFF.
- Step 2: Disconnect the ground cable from battery.

6. AIRBAG DISPOSAL

To prevent bodily injury from unexpected airbag deployment, do not dispose airbag modules in the same way as other refuse. Follow all government regulations concerning disposal of refuse.

7. AIRBAG MODULE

Adhere to the following when handling and storing the airbag module to prevent bodily injury from unexpected deployment:

- Do not hold the harnesses or connectors to carry module.
- Do not face the bag in the direction that it opens towards yourself or other people.
- Do not face the bag in the direction that it opens towards the floor or walls.

8. AIRBAG SPECIAL TOOLS

To prevent unexpected deployment, only use special tools.

9. WINDOW

Always wear safety glasses when working around any glass to prevent glass fragments from damaging your eyes.

10. WINDOW ADHESIVE

Always use the recommended or alternative adhesive when attaching glass to prevent it from coming loose and falling, resulting in accidents and injury.

1. Pre-delivery Inspection

A: GENERAL

The purposes of the pre-delivery inspection (PDI) are as follows.

- Remove the additional parts used for ensuring the vehicle quality during transportation and restore the vehicle to its normal state.
- Check if the vehicle before delivery is in a normal state.
- Check for any damage or missing parts that may have taken place during transportation or storage.
- Make sure to provide a complete vehicle to the customer.

Because of the above reasons, all SOA Service Center must always carry out the PDIs before delivering a vehicle.

In addition, all SOA Service Center and PDI centers must check the status of every vehicle received to identify who is responsible for any possible defects.

PRE-DELIVERY INSPECTION

PRE-DELIVERY INSPECTION

B: PDI PROCEDURE

Follow the procedures shown in the table below.

Static Checks Just After Vehicle Receipt

Step	Check point
1. Appearance check	(1) If the vehicle is covered with protective coating, visually check the vehicle body for damage and dents. If the protective coating has been removed, visually check the body paints for small areas of damage or stains. (2) Visually check the glass and light lenses for any damage and cracks or excessive gaps to the body sheet metal. (3) Visually check the plated parts for any damage.
2. Tire check	(1) Check the tires for damage, abnormal conditions, and dents on the wheels. (2) Check the tire air pressure.
3. Fuse installation	If the vehicle is about to be delivered to the customer, attach a room lamp fuse.
4. Connection of air conditioner harness	If the vehicle is about to be delivered to the customer, connect the air conditioner harness.
5. Check the doors for lock/unlock and open/close operations.	(1) Using the key, check if the door can be locked and unlocked normally. (2) Open and close all doors to see that there are no abnormal conditions.
6. Operation check of the child safety lock system.	Check the child safety lock system operate normally.
7. Check the rear gate for lock/unlock and open/close operations.	(1) Check if the rear gate can be unlocked normally from the emergency door. (2) Open and close the rear gate to see that there are no abnormal conditions. (3) Operate the power door locking switch to check that the rear gate is locked and unlocked normally.
8. Operation check of fuel lid opener lock release lever	Operate the fuel lid opener to check that the fuel lid is unlocked normally.
9. Accessory check	Check that the following accessories are provided: • Owner's manual • Warranty booklet • Service booklet • Spare key • Jack • Tool set • Spare tire
10. Operation check of hood lock release system	Operate the hood lock release lever to check that the hood opens normally.
11. Battery	Check the battery for any abnormal conditions such as rust and trace of battery fluid leaks.
12. Brake fluid	Check the fluid amount.
13. Engine oil	Check the oil amount.
14. Transmission fluid	(1) Check the fluid amount. (2) For AT, check the front differential oil.
15. AT front differential oil	Check the AT front differential oil amount.
16. Coolant	Check the coolant amount.
17. Clutch fluid	Check the clutch fluid amount.
18. Window washer fluid	Check the window washer fluid amount.
19. Hood latch check	Check that the hood is closed and latched securely.
20. Keyless entry system	Check that the keyless entry system operates normally.
21. Security system	Check that the security system operates normally.
22. Seat	(1) Check the seat surfaces for smears or dirt. (2) Check the seat installation conditions and functionality.
23. Seat belt	Check the seat belt installation conditions and functionality.
24. Wheel alignment	Check that the wheel alignments are properly adjusted.

PRE-DELIVERY INSPECTION

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Checks with the Engine Running

Step	Check point
25. Test mode connectors	Test mode connectors
26. Starting condition	Start the engine and check that the engine starts smoothly.
27. Exhaust system	Check that the exhaust noise is normal and no leaks are found.
28. Indicator light	Check that all the indicator lights operate normally.
29. Clock	Check that the clock operates normally.
30. Radio	Check that the radio system operates normally.
31. Front accessory power supply socket	Check that the front accessory power supply socket operates normally.
32. Lighting system	Check that the lighting systems operate normally.
33. Window washer	Check that the window washer system operates normally.
34. Wiper	Check that the wiper system operates normally.
35. Power window operation check	Check the power window for correct operations.

Dynamic Test with the Vehicle Running

Step	Check point
36. Brake test	Check that the foot brake operates normally.
37. Parking brake	Check that the parking brake operates normally.
38. AT shift control	Check the AT shift patterns are correct.
39. Heater & ventilation	Check that the heater & ventilation system operates normally.
40. Air conditioner	Check that the air conditioner operates normally.

Checks after Dynamic Test

Step	Check point
41. ATF level	Check that the ATF level is normal.
42. Power steering fluid level	Check that the power steering fluid level is normal.
43. Fluid leak check	Check for fluid/oil leaks.
44. Water leak check	Spray the vehicle with water and check for water leaks.
45. Appearance check 2	(1) Remove the protective coating (wrap guard).(if any) (2) Check the body paints for damage and smears. (3) Check the plated parts for damage and rust.

1. APPEARANCE CHECK

- 1) If the vehicle is covered with protective coating, visually check the vehicle body for damage and dents.
- 2) If there is no protective coating, check the body paints for small areas of damage or stains and repair as necessary.
- 3) Check the window glass, door glass, and lights for any cracks or damage and repair or replace the parts as necessary.
- 4) Check the plated parts, such as the grilles and door knobs, for damage or loss of gloss and repair or replace the parts as necessary.

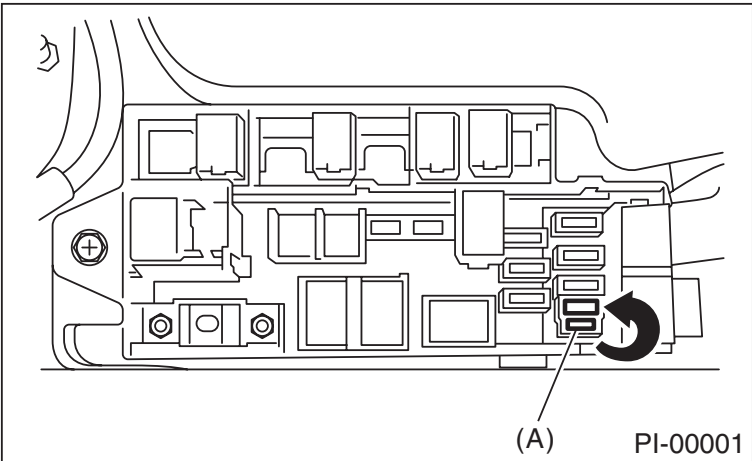
2. TIRE CHECK

- Check the tire outer faces for any damage.
- Check the tire air pressure by referring to the following table.

Tire size	Tire inflation pressure kPa (kg/cm ² , psi)	
	Front	Rear
215/60R16	200 (2.0, 29)	190 (1.9, 28)

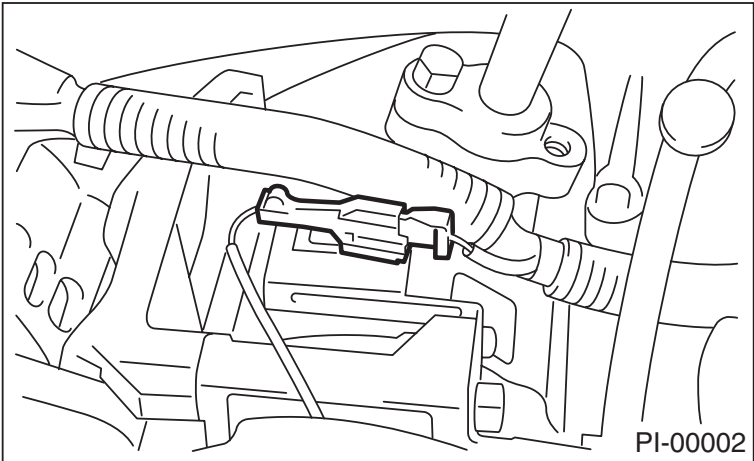
3. FUSE INSTALLATION

A vehicle just delivered has no fuse for the room lamp circuit to prevent battery discharge. Attach a 15 A fuse (A) as shown in the figure.



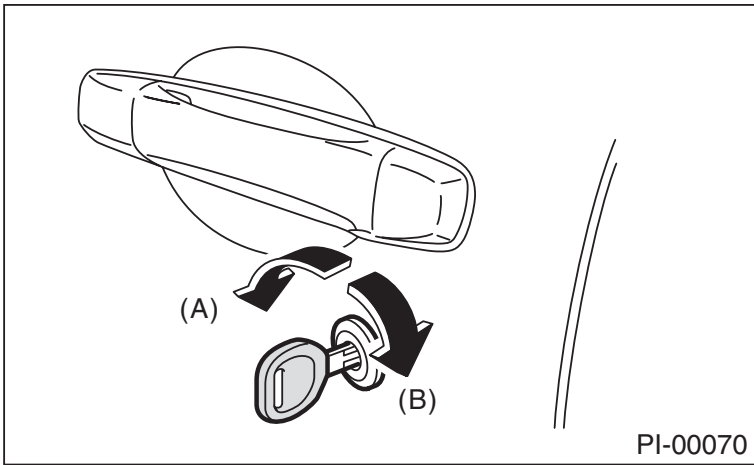
4. CONNECTION OF AIR CONDITIONER HARNESS

A vehicle just delivered has its air conditioner harness disconnected to protect the air conditioner compressor. Connect the harness as shown in the figure.



5. CHECK THE DOORS FOR LOCK/UNLOCK AND OPEN/CLOSE OPERATIONS.

- 1) Using the key, lock and unlock the door several times to check for normal operation. Open and close the door several times for smooth movement.



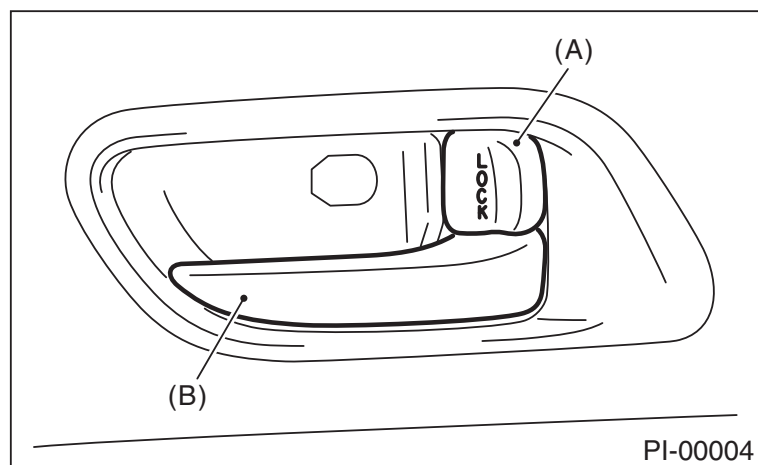
- (A) Unlock
- (B) Lock

PRE-DELIVERY INSPECTION

PRE-DELIVERY INSPECTION

2) Close the driver's door completely, and place the door lock knob (A) to the lock position. Then pull inside door handles (B) to ensure that doors will not open.

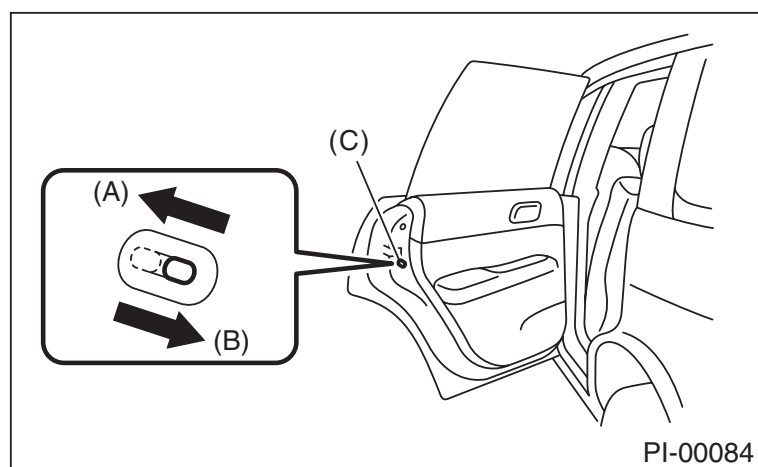
For other doors, place the door lock knob (A) to the lock positions and then pull the inside door handles to ensure that the doors will not open.



- (A) Door lock knob
- (B) Inside door handle

6. CHECK THE OPERATION OF CHILD SAFETY LOCKS

- 1) Set the child safety lock on both rear doors to the lock positions.
- 2) Close the rear doors completely.
- 3) Check that the lock levers of the rear doors are in the unlock positions. Then, pull the inside door handles of the rear doors to ensure that the doors will not open.
- 4) Next, pull the outside door handles of the rear doors to ensure that the doors will open.

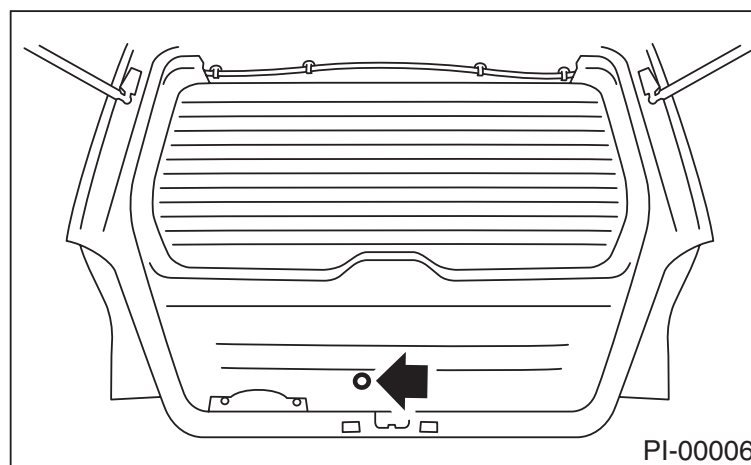


- (A) Unlock
- (B) Lock
- (C) Child safety lock

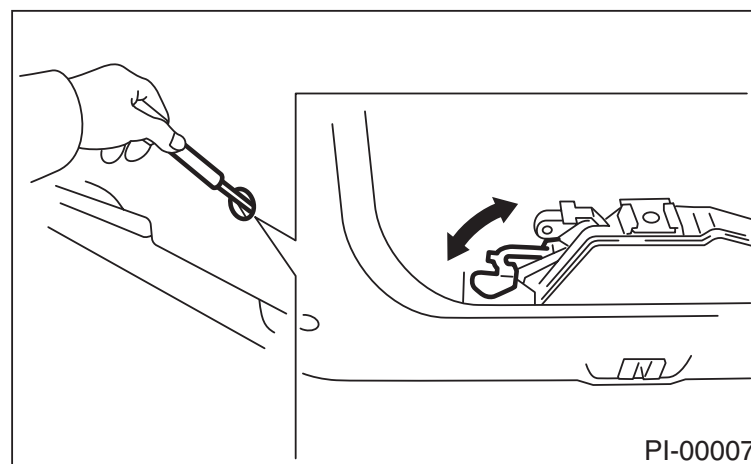
7. CHECK THE REAR GATE FOR LOCK/UNLOCK AND OPEN/CLOSE OPERATIONS.

- 1) Open and close the rear gate several times for smooth movement.
- 2) Operate the rear gate lever to check that the rear gate is locked and unlocked normally.

- (1) Remove the blind cover inside the rear gate.



- (2) Using a screwdriver, check the rear gate is lock/unlock.



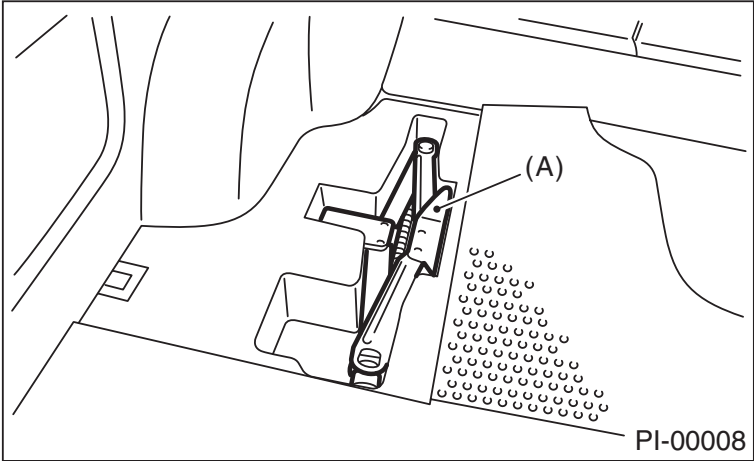
8. OPERATION CHECK OF FUEL LID OPENER LOCK RELEASE LEVER

Operate the fuel lid opener and verify that the fuel lid opens normally. Check that the filler cap is securely closed.

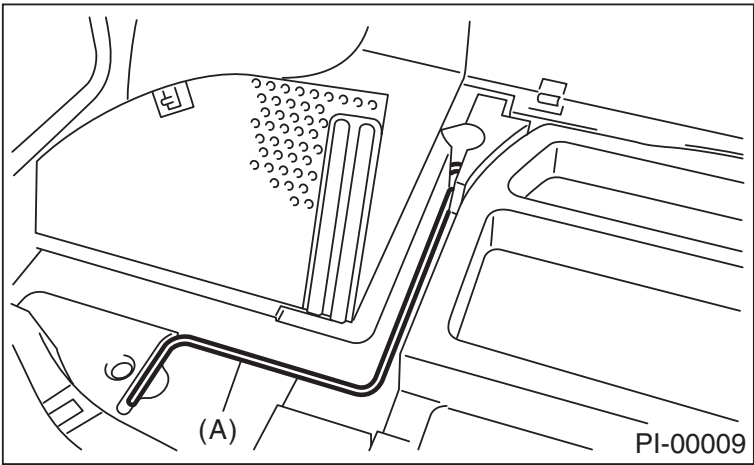
9. ACCESSORY CHECK

Check that the following accessories are provided in the luggage compartment or cargo area.

- Owner's manual
- Warranty booklet
- Service booklet
- Spare key
- Jack
- Tool set
- Spare tire



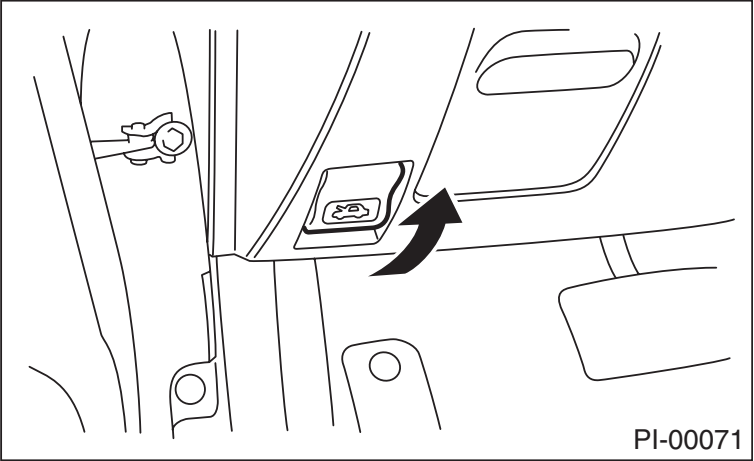
(A) Jack



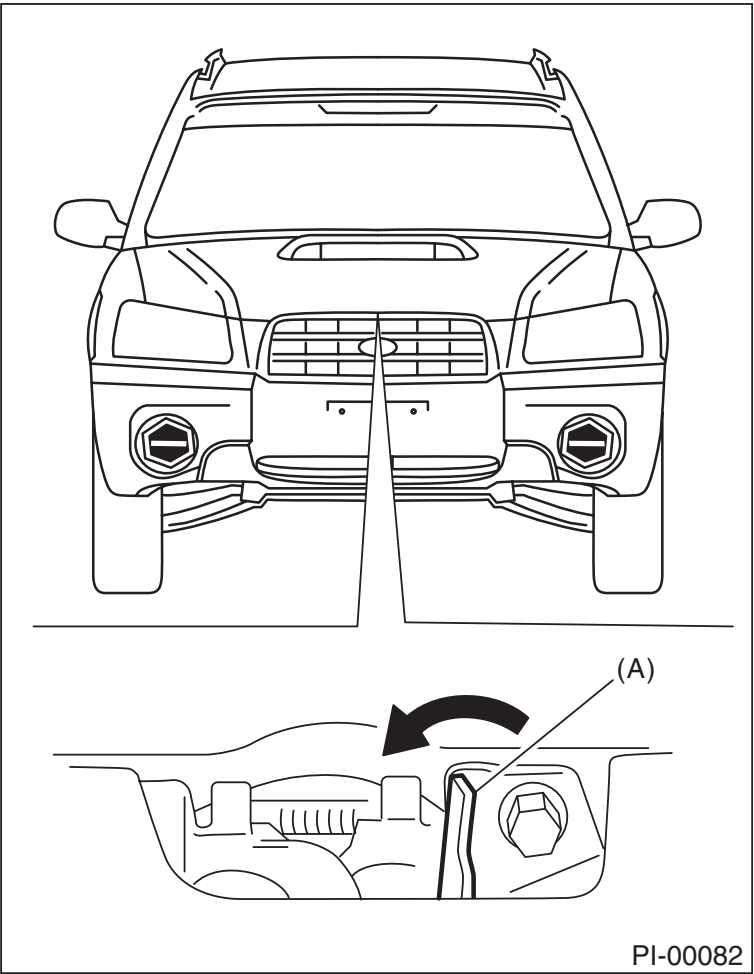
(A) Jack handle

10. OPERATION CHECK OF HOOD LOCK RELEASE SYSTEM

Operate the hood release knob and check that the hood is unlocked normally.



Operate the lever (A) and check that the hood is opened normally. Then support the hood with hood stay.

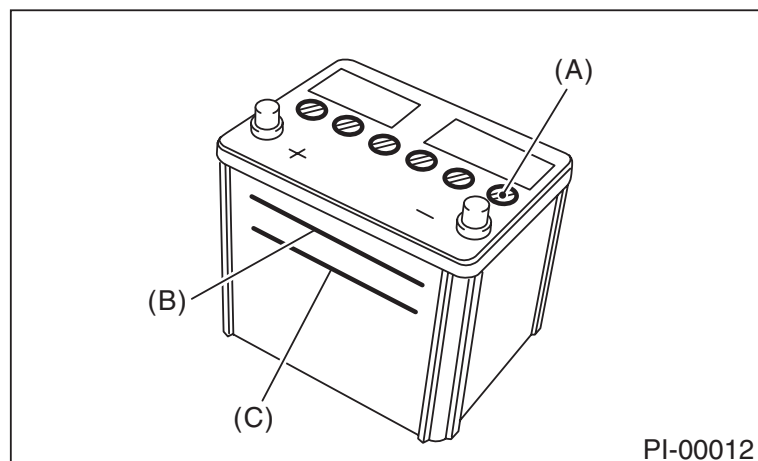


PRE-DELIVERY INSPECTION

PRE-DELIVERY INSPECTION

11.BATTERY

Check the battery terminals to make sure that no rust or corruptions due to fluid leaks are found. Check that the battery caps are securely tightened.



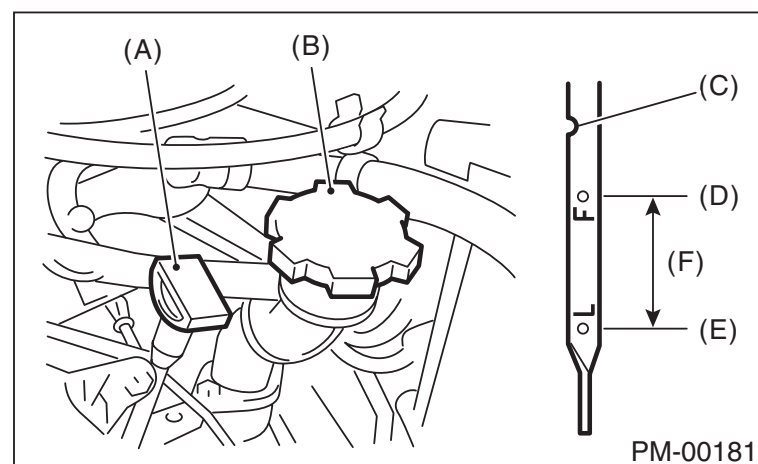
- (A) Cap
- (B) Upper level
- (C) Lower level

12.BRAKE FLUID

Check the brake fluid amount. If the amount is insufficient, carry out a brake line test to identify brake fluid leaks and check the brake operation. After that, refill the brake fluid tank with the specified type of fluid.

13.ENGINE OIL

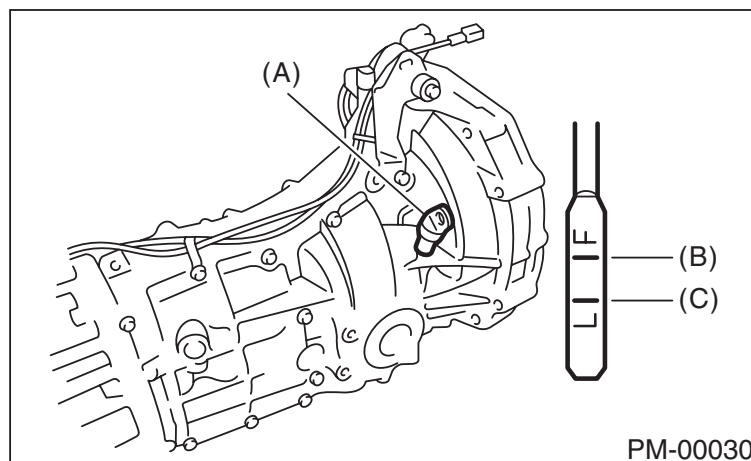
Check the engine oil amount. If the amount is insufficient, check that no leaks are found. Then, add the necessary amount of the specified engine oil.



- (A) Engine oil level gauge
- (B) Engine oil filler cap
- (C) Notch mark
- (D) Upper level
- (E) Lower level
- (F) Approx. 1 0 (1.1 US qt, 0.9 Imp qt)

14.TRANSMISSION FLUID

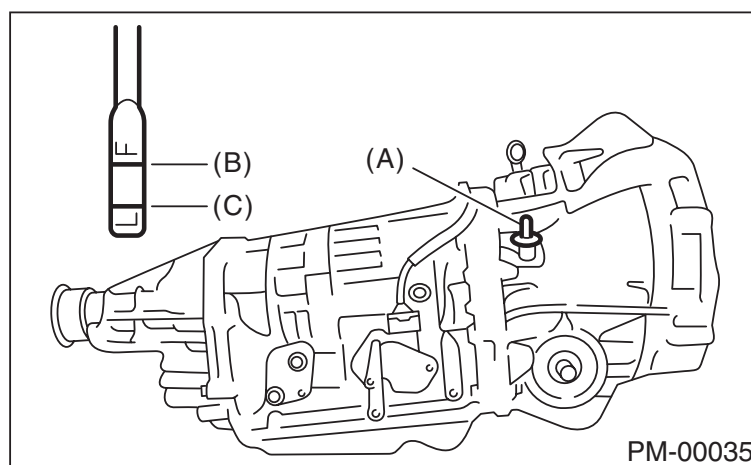
Check the transmission fluid amount. If the amount is insufficient, check that no leaks are found. Then, add the necessary amount of the specified fluid.



- (A) Oil level gauge
- (B) Upper level
- (C) Lower level

15.AT FRONT DIFFERENTIAL OIL

Check the AT front differential oil amount. If the amount is insufficient, check that no leaks are found. Then, add the necessary amount of the specified AT front differential oil.



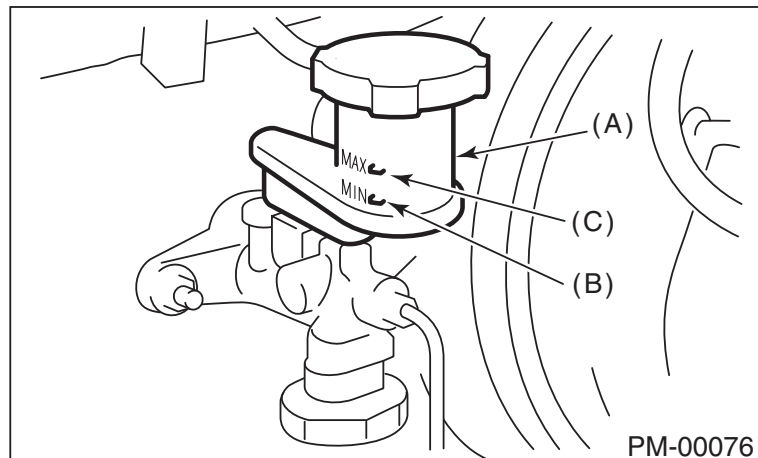
- (A) Oil level gauge
- (B) Upper level
- (C) Lower level

16.COOLANT

Check the coolant amount on the reservoir. If the amount is insufficient, check that no leaks are found. Then, add the necessary amount of coolant with the specified concentration.

17.CLUTCH FLUID

Check the clutch fluid amount. If the amount is insufficient, check that no leaks are found. Then, add the necessary amount of the specified fluid.



- (A) Reservoir tank
- (B) MIN level
- (C) MAX level

18.WINDOW WASHER FLUID

Check the window washer fluid amount. If the amount is insufficient, check that no leaks are found. Then, add the necessary amount of washer fluid commercially available.

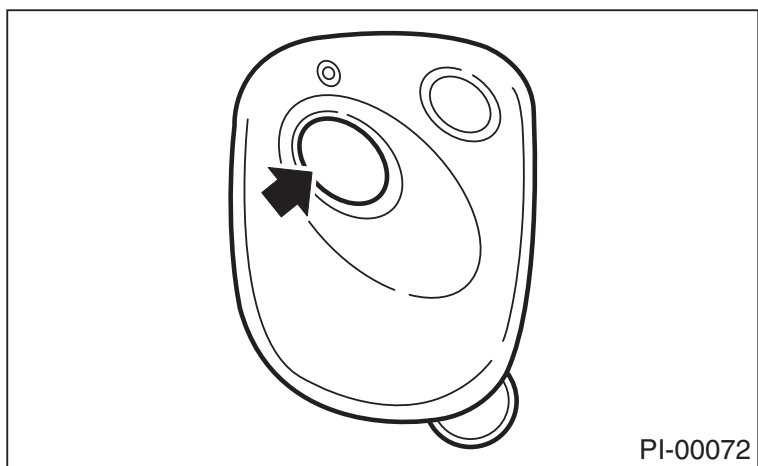
19.HOOD LATCH CHECK

Retract the hood stay and close the hood. Check that the hood is securely latched.

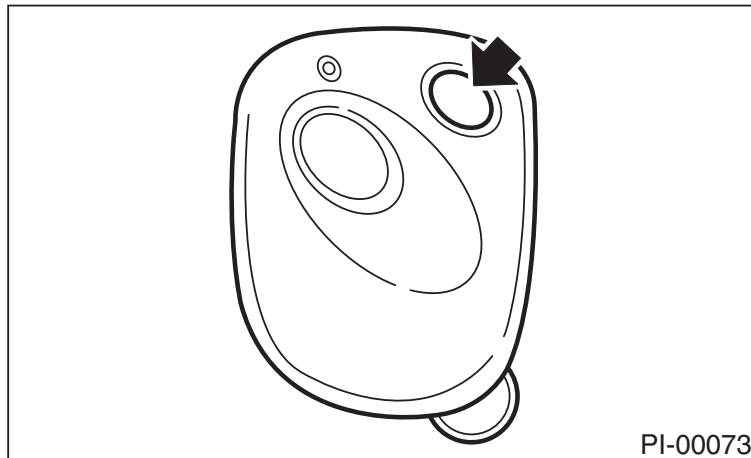
20.KEYLESS ENTRY SYSTEM

Check the keyless entry system operations as follows:

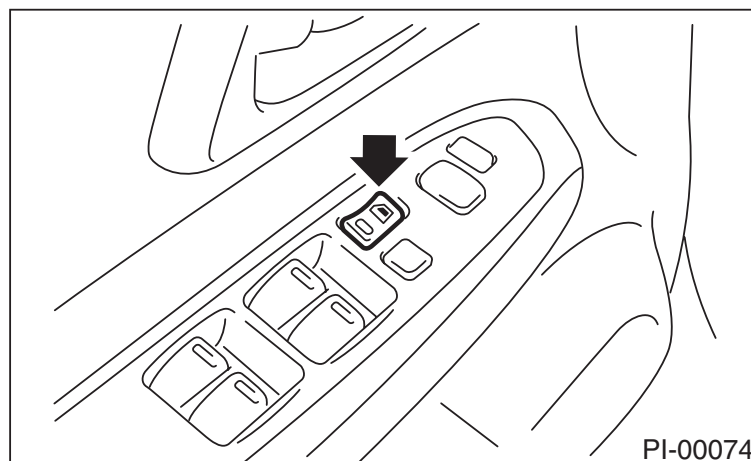
- Fully open all the door windows.
- Remove the key from the ignition switch and close all the doors including rear gate.
- Press the “LOCK/ARM” button on the keyless keyless keyless transmitter momentarily once and check if all the doors are locked, the buzzer chirps once, and the hazard light flashes once.



- Press the “UNLOCK/DISARM” button on the keyless keyless transmitter momentarily once and check if the driver’s door is unlocked, the buzzer chirps twice, and the hazard light flashes twice.



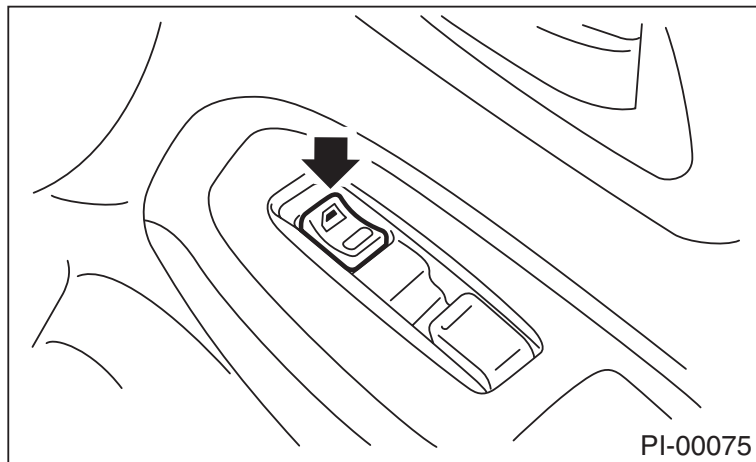
- Press the “UNLOCK/DISARM” button on the keyless keyless transmitter momentarily once again within five seconds and check if all the doors including the rear gate on wagon are unlocked.
- Press the “LOCK/ARM” button on the keyless keyless transmitter a little bit of time (approx. 2 sec.) and check if a panicking condition occurs; the horn sounds continuously. Also, check if that condition lasts for 30 seconds or until any button of the keyless keyless transmitter is pressed.
- Press the “LOCK/ARM” button on the keyless keyless transmitter momentarily once with one of the doors including the rear gate open and check if the buzzer chirps five times to warn of a door ajar. Then, bring all the doors including the rear gate in closed condition and check if all the doors are locked, the buzzer chirps once, and the hazard light flashes once.
- Press the “LOCK” side of the power door locking switch with any one of the doors including the rear gate open. Then, bring all the doors including the rear gate in the closed condition and check if all the doors are locked, the buzzer chirps once, and the hazard light flashes once.
- Driver’s seat



PRE-DELIVERY INSPECTION

PRE-DELIVERY INSPECTION

- Passenger seat



Check selecting audible signal operation.

- Using the buzzer, the system will give you an audible signal when the doors lock and unlock. If desired, you may turn the audible signal off.

To turn the audible signal off, carry out the unlocking procedure of keyless entry system, then simultaneously depress LOCK/ARM and UNLOCK/DISARM buttons for more than two seconds.

The buzzer will sound twice, and hazard light will flash twice to inform you that the audible signal has been turned off.

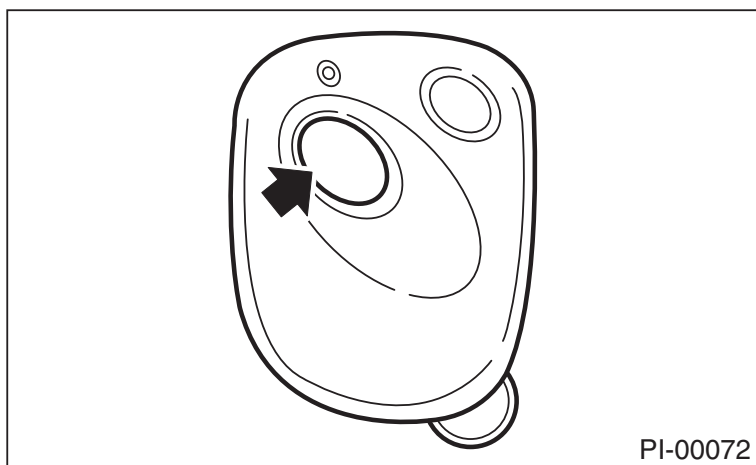
To turn the audible signal on, carry out the unlocking procedure of keyless entry system, then simultaneously depress LOCK/ARM and UNLOCK/DISARM buttons for more than two seconds.

The buzzer will sound once and hazard light will flash once to inform you that the audible signal has been turned on.

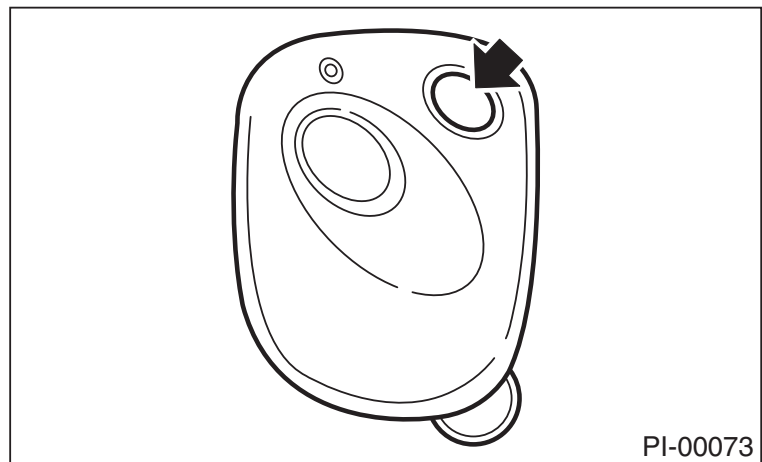
21.SECURITY SYSTEM

Check the security system operations as follows:

- Fully open all the door windows.
- Remove the key from the ignition switch and close all the doors including rear gate.
- Press the “LOCK/ARM” button on the keyless keyless transmitter momentarily once and check if all the doors are locked, the buzzer chirps once, the hazard lights flash once and the security indicator light flashes slowly to ensure that the security system has been brought into the arming state.

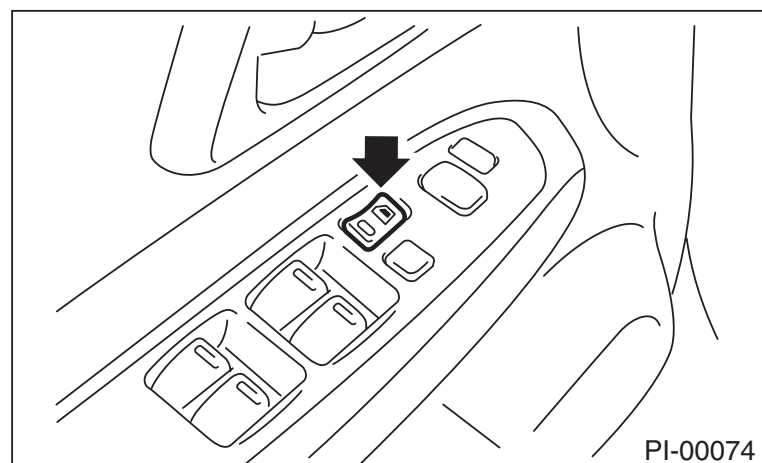


- Press the “UNLOCK/DISARM” button on the keyless keyless transmitter momentarily once and check if the driver’s door is unlocked, the buzzer chirps twice, the hazard light flash twice, the dome light illuminates and the security indicator light goes off to ensure that the system has been brought into the disarming state.

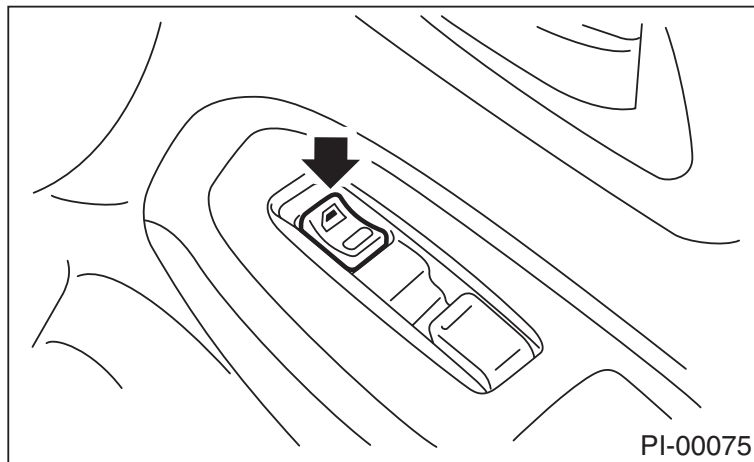


- Press the “UNLOCK/DISARM” button on the keyless keyless transmitter momentarily once again within five seconds and check if all the doors including the rear gate on wagon are unlocked.
- Press the “LOCK/ARM” button on the keyless keyless transmitter a little bit of time (approx. 2 sec.) and check if a panicking condition occurs; the horn sounds continuously, the hazard lights flash and the security indicator light flashes rapidly. Also, check if that condition lasts for 30 seconds or until any button of the keyless keyless transmitter is pressed.
- Press the “LOCK/ARM” button on the keyless keyless transmitter momentarily once with one of the doors including the rear gate open and check if the buzzer chirps five times to warn of a door ajar. Then, bring all the doors including the rear gate in closed condition and check if the arming condition is brought about; all the doors are locked, the buzzer chirps once and the hazard lights flash once.
- Press the “LOCK” side of the power door locking switch with any one of the doors including the rear gate open. Then, bring all the doors including the rear gate in the closed condition and check if all the doors are locked, the buzzer chirps once and the hazard lights flash once to ensure that the security system has been brought into the arming state.

- Driver’s seat



- Passenger seat



- Unlock a door using the inner lock knob or the key and open the door while the security system is in the arming state. Check to ensure that the alarming condition occurs, i.e. the horn sounds continuously, the hazard lights flash and security indicator light flashes rapidly, and that it lasts for 30 seconds or until the “UNLOCK/DISARM” button on the keyless keyless transmitter is pressed. Also, check to ensure that turning the ignition key to the “START” position in the arming state does not cause the starter motor to turn, thus the engine being prevented from starting.
- Apply a shock to the vehicle body with the security system in arming state, and check to ensure that the alarming condition occurs.
- Troubleshoot the security system if any one of the above-mentioned checks does not meet the requirements.

22.SEAT

Check that each seat provides full functionality in sliding and reclining. Check all available functions of the rear seat.

23.SEAT BELT

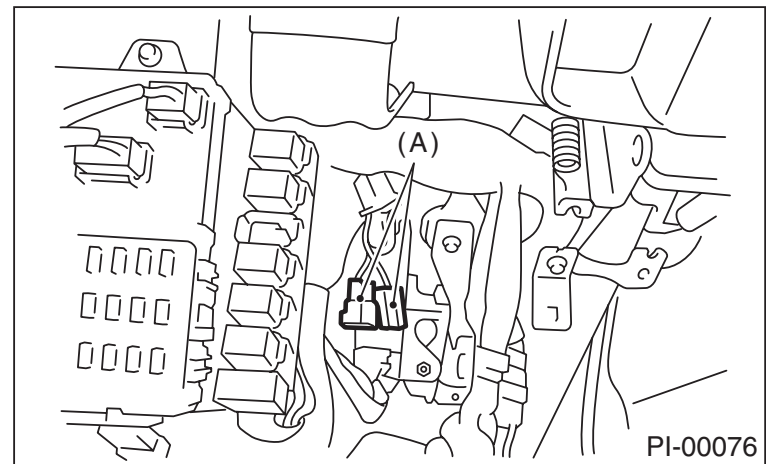
Pull out the seat belt and then release it. Check that the belt webbing retracts smoothly.

24.WHEEL ALIGNMENT

Check the wheel alignments. <Ref. to FS-6, Wheel Alignment.> and <Ref. to RS-8, Wheel Alignment.>

25.TEST MODE CONNECTORS

Turn the ignition switch to ON and check that the malfunction indicator light starts blinking. If the light blinks, return the ignition key to LOCK and disconnect the test mode connector. Then, turn the ignition key to ON again. If the malfunction indicator light blinks at that time in spite of the disconnected test mode connector, carry out an engine diagnosis.



(A) Test mode connector (Green)

26.STARTING CONDITION

Start the engine and check that the engine starts smoothly. If any battery voltage problems are found, recharge or replace the battery. If any noises are observed, immediately stop the engine and check and repair the necessary components.

27.EXHAUST SYSTEM

Listen to the exhaust noise to see if no noises are observed.

28.INDICATOR LIGHT

Check that all the indicator lights are off.

29.CLOCK

Check the clock for normal operations and enough accuracy.

30.RADIO

Check the radio for full functionality and normal noise level. Also check the CD unit operations.

31.FRONT ACCESSORY POWER SUPPLY SOCKET

Check the front accessory power supply socket operations.

32.LIGHTING SYSTEM

- Check the headlight operations.
- Check the brake light operations.
- Check the other lights for normal operations.

PRE-DELIVERY INSPECTION

PRE-DELIVERY INSPECTION

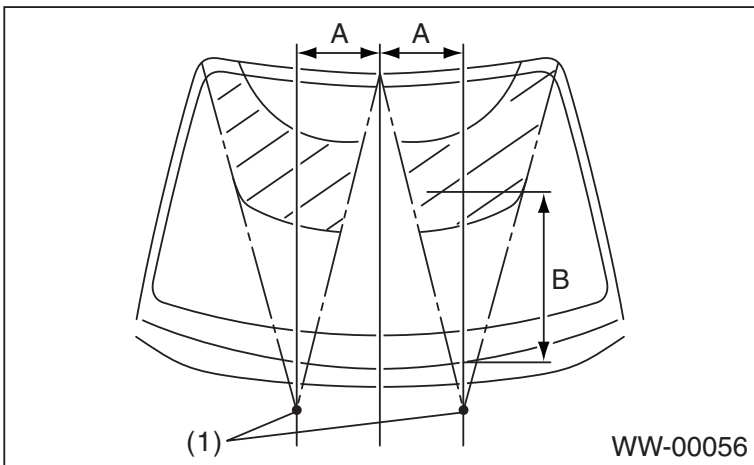
33.WINDOW WASHER

Check that the window washer system injects washer fluid to the specified area of windshield shown in the figure.

Front injection position:

A: 250 mm (9.84 in)

B: 488 mm (19.22 in)

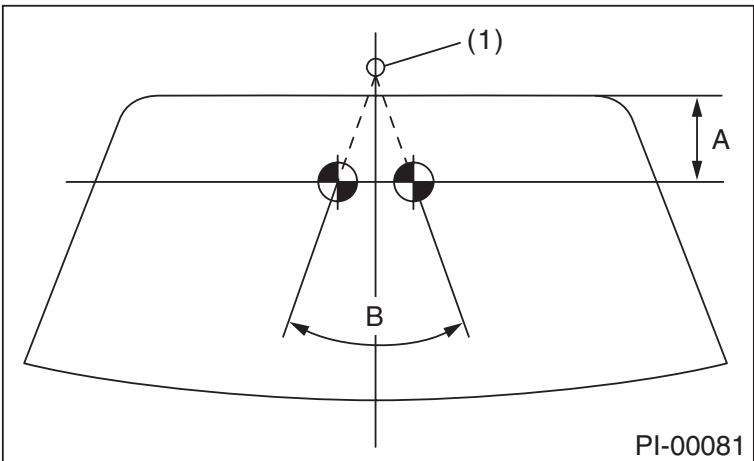


(1) Nozzle

Rear injection position:

A: 35 mm (1.38 in)

B: 72°



(1) Nozzle

34.WIPER

Check the front and rear wipers for normal operations.

35.POWER WINDOW OPERATION CHECK

Manipulate the power window switches one by one to check that each of the power windows goes up and down with no noises.

36.BRAKE TEST

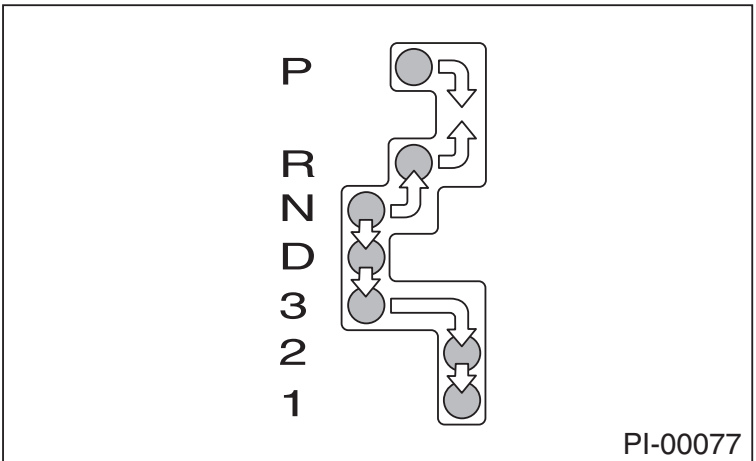
Check the foot brake for normal operations.

37.PARKING BRAKE

Check the parking brake for normal operations.

38.AT SHIFT CONTROL

- 1) Turn the ignition switch to ON.
- 2) Check that the select lever can not be moved from “P” range when brake pedal is not depressed.
- 3) Check that the select lever can be moved from “P” range when brake pedal is depressed.
- 4) Select the select lever to except “P” range.
- 5) Check that the ignition key can not be removed from ignition switch when ignition switch is turned to OFF.
- 6) Set the AT select lever to each gear position while checking that the demanded gear position is correctly attained.



Selector Position	Gear Position			
	1st	2nd	3rd	4th
D	OK	OK	OK	OK
3	OK	OK	OK	—
2	—	OK	—	—
1	OK	—	—	—

39.HEATER & VENTILATION

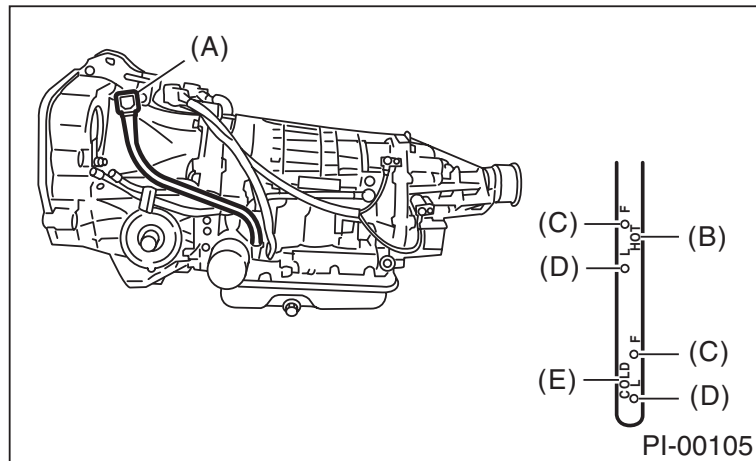
Operate the heater and ventilation system to check for normal airflow outlet control, air inlet control, air-flow capacity, and heating performance.

40.AIR CONDITIONER

Operate the air conditioner. Check that the A/C compressor operates normally and enough cooling is provided.

41.ATF LEVEL

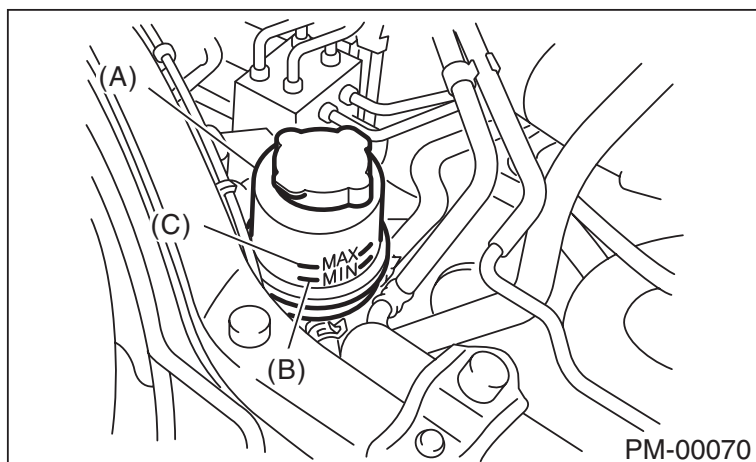
Check that the ATF level is normal. If insufficient, check that no leaks are found. Then add the necessary amount of the specified ATF.



- (A) Level gauge
- (B) Check position when "HOT"
- (C) Upper level
- (D) Lower level
- (E) Check position when "COLD"

42.POWER STEERING FLUID LEVEL

Check that the power steering fluid level is normal. If insufficient, check that no leaks are found. Then add the necessary amount of the specified power steering fluid.



- (A) Reservoir tank
- (B) MIN level
- (C) MAX level

43.FLUID LEAK CHECK

Check the entire areas of the vehicle for any trace of coolant/oil/fluid leaks.

44.WATER LEAK TEST

Spray the vehicle with water and check that no water enters the passenger compartment.

- Before performing the water leakage test, remove anything that may obstruct the operation or which must be kept dry.
- Close all windows completely, and then close all doors tightly. Close the hood before starting the test.
- Connect a hose to a tap, and spray water on the vehicle. The rate of water discharge must be approx. 20 — 25 ℓ (5.3 — 6.6 US gal, 4.4 — 5.5 Imp gal) per minute.

When spraying water on areas adjacent to the floor and wheel house, increase the pressure. When directing water on areas other than the floor portion and wheel house, decrease the pressure. But the force of water must be made strong occasionally by pressing the end of the hose.

NOTE:

Be sure to keep the hose at least 10 cm (3.9 in) from the vehicle.

Check the following areas:

- Front window and body framework mating portion
- Door mating portions
- Glass mating portions
- Rear quarter window mating portions
- Rear window and body framework mating portion
- Around roof drips

If any dampness in the compartment is discovered after the water has been applied, carefully check all areas that may have possibly contributed to the leak.

PRE-DELIVERY INSPECTION

PRE-DELIVERY INSPECTION

45. APPEARANCE CHECK 2

1) When vehicle body is covered with protective film (wrap guard), peel it off.

NOTE:

- Use of steam eases peeling off the wrap guard.
- When performing on the vehicles left for a long time, or during low temperature period, sprinkle some water heated to 50 — 60°C (122 — 140°F) over the vehicle to raise its surface temperature before peeling off the wrap guard.

Do not use the water heated to over 60 °C (140°F).

- If the adhesive remains on the coated surface, rub the portion with a flannel rag, etc. soaked with a coat of coating wax or a solvent, such as oil benzene and IPA, and then wipe it off.
- Avoid adhesion of the solvent to resin or rubber components. Do not use coating wax or a solvent while the component surface temperature is high due to hot weather, etc.
- If the coated surface is swollen out due to seams or moisture, expose the vehicle to the sun light for a few hours. Otherwise, heat the portion with seams or moisture using a dryer, etc.
- Dispose of the peeled wrap guard as burnable industrial garbage.

2) Check the whole vehicle body for stains, flaking, damage caused by transportation, rust, dirt, cracks, or blistering.

NOTE:

- It is better to determine an inspection pattern in order to avoid missing an area, since the total inspection area is wide.
- It is desirable not to make corrections to the body paint unless absolutely needed. However, if any corrections are required to remove scratches or rust, the area to be corrected must be limited as much as possible. Re-painting and spray painting must be avoided whenever possible.

3) Carefully check each window glass for scratches. Slight damage may be removed by polishing with cerium oxide. (Half-fill a cup with cerium oxide, and add warm water to it. Then agitate the content until it turn to wax. Apply this wax to a soft cloth, and polish the glass.)

4) Check each portion of the vehicle body and underside components for the formation of rust. If rust is discovered, remove it with #80 — #180 emery paper, and treat the surface with rust preventive. After this treatment is completed, flush the portion thoroughly, and prepare the surface for repair painting.

5) Check each portion of the body and all of the chrome parts for deformation or distortion. Also check each lamp lens for cracks.

RECOMMENDED MATERIALS

RECOMMENDED MATERIALS

1. Recommended Materials

A: RECOMMENDED MATERIALS

1. GENERAL

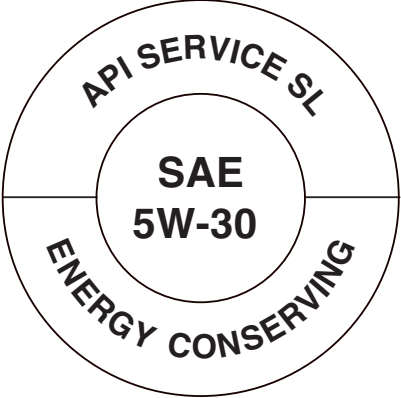
To insure the best performance, always use the specified oil, gasoline, adhesive, sealant, etc. or that of equivalent quality.

2. FUEL

Always use a gasoline of the same or higher octane value than specified in the owner’s manual. Ignoring the specifications below will result in damage or poor operation of the engine and fuel injection system. Use the specified gasoline to correct performance.

3. LUBRICANTS

Use either the lubricants in the table below or equivalent lubricants. See the table below to choose the correct SAE viscosity.

Lubricant	Recommended		Alternative
	API Spec.	ACEA Spec.	
Engine oil	SL Grade “Energy conserving”	A1, A2 or A3	API: SJ
	 RM-00001  RM-00002		
Manual transmission oil	GL-5	—	—
Front differential oil	GL-5	—	—
Rear differential oil	GL-5	—	—

RECOMMENDED MATERIALS

RECOMMENDED MATERIALS

SAE viscosity No. and applicable temperature SAE J300								
Engine oil								
(°C)	-30	-20	-10	0	10	20	30	40
(°F)	-22	-4	14	32	50	68	86	104
		10W-30 or 10W-40						
5W-30 Recommend								

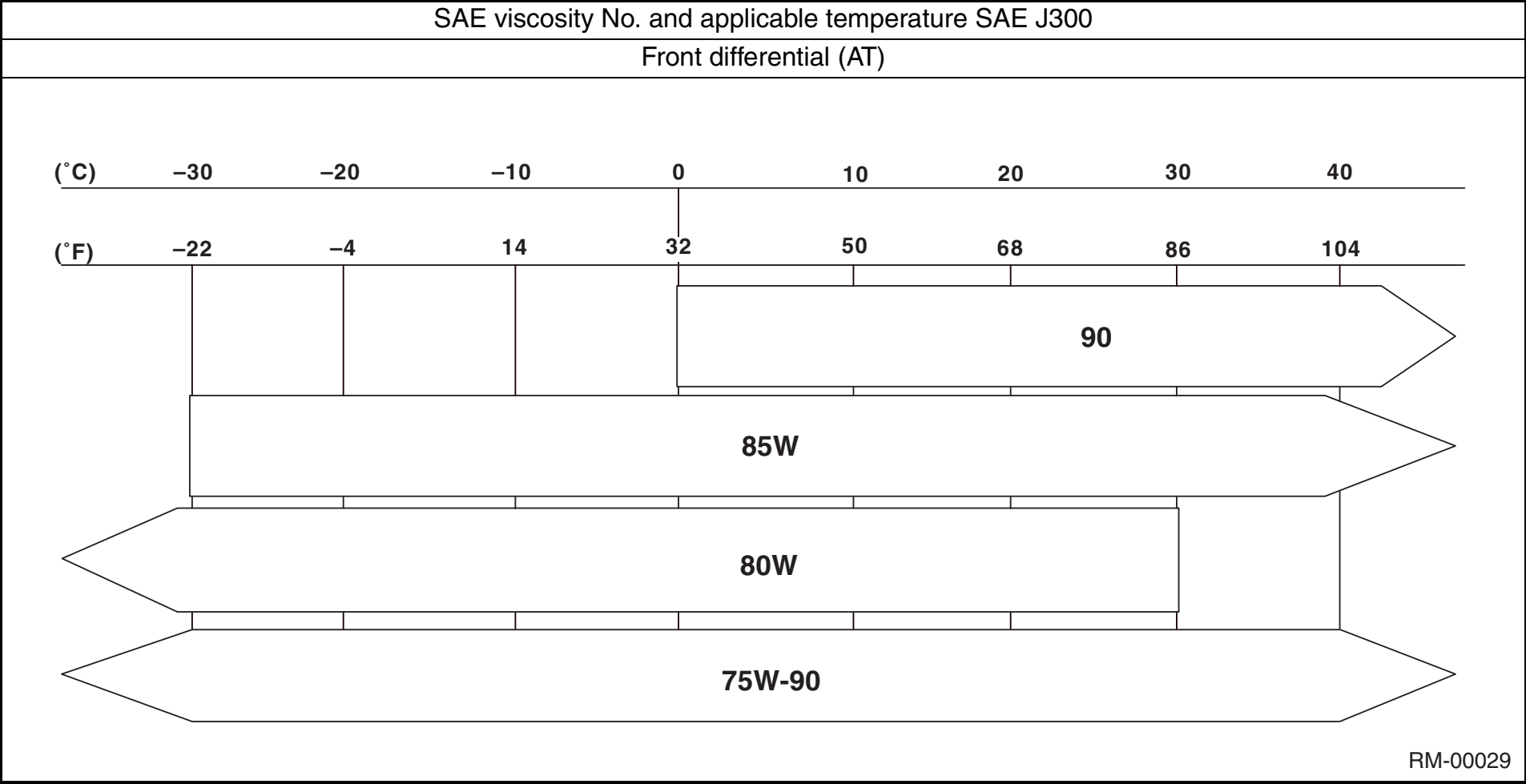
RM-00003

Manual transmission oil and rear differential oil								
(°C)	-30	-20	-10	0	10	20	30	40
(°F)	-22	-4	14	32	50	68	86	104
				90				
	85W							
	80W							
	75W-90							

RM-00004

RECOMMENDED MATERIALS

RECOMMENDED MATERIALS



4. FLUID

Use the fluids specified in the table below. Do not mix two different kinds or makes of fluid.

Fluid	Recommended	Alternative	Remarks
Automatic transmission fluid	DEXRON III	—	—
Power steering fluid	DEXRON III	—	—
Brake fluid	FMVSS No. 116 DOT3	FMVSS No. 116 DOT4	—
Clutch fluid	FMVSS No. 116 DOT3	FMVSS No. 116 DOT4	—

5. ENGINE COOLANT

Use genuine engine coolant to protect the engine.

Engine coolant	Recommended	Item number	Alternative
Coolant	SUBARU coolant	000016218	None
Water for dilution	Distilled water	—	Tap water (Soft water)

6. REFRIGERANT

Standard air conditioners on Subaru vehicles use HFC134a refrigerant. Do not mix it with other refrigerants. Also, do not use any air compressor oil except for ZXL200PG.

Air conditioner	Recommended	Item number	Alternative
Refrigerant	HFC134a	—	None
Compressor oil	ZXL200PG	—	None

RECOMMENDED MATERIALS

RECOMMENDED MATERIALS

7. GREASE

Use the grease and supplementary lubricants shown in the table below.

Grease	Application point	Recommended	Item number	Alternative
Supplementary lubricants	• O₂ sensor • Bolts, etc.	SUBARU CRC	004301003	—
Grease	MT main shaft	FX2200 clutch grease	000040901	—
	Clutch master cylinder push rod	Silicone grease G-40M	004404003	—
	• Gear shift lever • Select lever • Clutch operating cylinder • Accelerator pedal • Clutch pedal • Brake pedal • Hill holder • Clutch bearing • Clutch release lever • Steering shaft bearing	SUNLIGHT2	003602010	—
	Steering gear box	Valiant grease M-2	003608001	—
	Disk brake	Niglube RX-2	K0779GA102	—
	• Drum brake • Drum brake wheel cylinder	Molykote No.7439	003602001	—
	• Brake pad • Brake shoe	Molykote AS-880N	K0777YA010	—
	Front axle AARi	One luber C	—	—
	Front axle AC	HTBJ	—	—
	Rear axle BJ	Molylex No. 2	003601001	—
	Rear axle DOJ	VU-3A702	23223GA050	—
	• Water pump • Door latch • Door striker	Silicone grease G-30M	004404002	—

8. ADHESIVES

Use the adhesives shown in the table below, or equivalent.

Adhesive	Application point	Recommended	Item number	Alternative
Adhesive	Windshield, rear window glass, rear quarter glass, rear gate and body	Dow Automotive's Adhesive: ESSEX U-400HV or equivalent Glass primer: U-401 and U-402 Paint surface primer: U-413	—	—
	Inner rearview mirror base	REPAIR KIT IN MR	65029FC000	—
	Soft vinyl	Cemedine 540	—	3M's EC-776, EC-847 or EC-1022 (Spray type)
	Momentary sealant	Cemedine 3000	—	Armstrong's Eastman 910

RECOMMENDED MATERIALS

RECOMMENDED MATERIALS

9. SEAL MATERIAL

Use seal material shown in the table below, or equivalent.

Seal material	Application point	Recommended	Item number	Alternative
Seal material	- Cylinder block - Torque converter clutch case	Three Bond 1215	004403007	Dow Corning's No. 7038
	Transmission oil pan (AT model)	Three Bond 1217B	K0877YA020	—
	Rear differential	Three Bond 1324	004403042	—
	Rear differential	Three Bond 1105	004403010	Dow Corning's No. 7038
	Weatherstrip	Starcalking B-33A	000018901	Butyl Rubber sealant
	Steering adjusting screw	Three Bond 1102	004403006	—
	SOHC cam cap	Three Bond 1280B	K0877YA018	—

SPECIFICATIONS

FORESTER

1. Forester

A: DIMENSIONS

Model				2.5 L	
				AWD	
				Non-turbo	Turbo
Overall length			mm (in)	4,450 (175.2)	
Overall width			mm (in)	1,735 (68.3)	
Overall height (at C.W.)			mm (in)	1,590 (62.6)	1,585 (62.4)
Compartment	Head room	Front	mm (in)	1,012 (39.8) 992 (39.0)*1	
		Rear	mm (in)	998 (39.3) 938 (36.9)*1	
	Leg room	Front	mm (in)	1,108 (43.6)	
		Rear	mm (in)	856 (33.7)	
	Shoulder room	Front	mm (in)	1,356 (53.4)	
		Rear	mm (in)	1,361 (53.6)	
Wheelbase			mm (in)	2,525 (99.4)	
Tread	Front		mm (in)	1,495 (58.9)	
	Rear		mm (in)	1,485 (58.5)	
Minimum road clearance			mm (in)	190 (7.5)	195 (7.7)

*1: With sun roof

B: ENGINE

Model		2.5L Non-turbo	2.5L Turbo
Engine type		Horizontally opposed, liquid cooled, 4-cylinder, 4-stroke gasoline engine	
Valve system	Valve arrangement	SOHC	DOHC
	Valve quantity	Intake2/Exhaust2	
Bore × Stroke		99.5 × 79 (3.92 × 3.11)	
Displacement		2,457 (149.94)	
Compression ratio		10.0 ± 0.2	8.2 ± 0.2
Firing order		1 — 3 — 2 — 4	
Idling speed [At neutral position on MT, or “P” or “N” position on AT]		MT: 650 ± 100 AT: 700 ± 100	700 ± 100
Maximum output		123 (165)/5,600	157 (210)/5,600
Maximum torque		226 (23.0, 166) /4,000	319 (32.5, 235) /3,600

C: ELECTRICAL

Model		2.5L Non-turbo	2.5L Turbo
Ignition timing at idling speed	BTDC/rpm	MT: 10° ± 8°/650 AT: 15° ± 8°/700	17° ± 10°/700
Spark plug		CHAMPION: RC10YC4	NGK: PFR6G
		Alternate NGK: BKR6E-11 NGK: BKR5E-11	
Generator		12V — 90A	
Battery		MT: 12V — 48AH (55D23L) AT: 12V — 52AH (75D23L)	

FORESTER

SPECIFICATIONS

D: TRANSMISSION

Model			2.5L Non-turbo		2.5L Turbo	
Transmission type			5MT	4AT	5MT	4AT
Clutch type			DSPD	TCC	DSPD	TCC
Gear ratio	1st		3.454	3.027	3.454	2.785
	2nd		2.062	1.619	1.947	1.545
	3rd		1.448	1.000	1.366	1.000
	4th		1.088	0.694	0.972	0.694
	5th		0.780	—	0.738	—
	Reverse		3.333	2.272	3.333	2.272
Reduction gear (Front drive)	1st reduction	Type of gear	—	Helical	—	Helical
		Gear ratio	—	1.000	—	1.000
	Final reduction	Type of gear	Hypoid			
		Gear ratio	4.111	4.444		
Reduction gear (Rear drive)	Transfer reduction	Type of gear	Helical	—	Helical	—
		Gear ratio	1.000	—	1.000	—
	Final reduction	Type of gear	Hypoid			
		Gear ratio	4.111	4.444		

5MT: 5 forward speeds with synchromesh and 1-reverse
4AT: Electronically controlled fully-automatic, 4-forward speeds and 1-reverse
DSPD: Dry Single Plate Diaphragm
TCC: Torque Converter Clutch

E: STEERING

Model			2.5L Non-turbo	2.5L Turbo
Type			Rack and Pinion, Integral	
Turns, lock to lock			3.0	
Minimum turning circle	m (ft)	Curb to curb	10.6 (34.8)	
		Wall to wall	11.4 (37.4)	

F: SUSPENSION

Front	Macpherson strut type, Independent, Coil spring
Rear	Dual-link strut type, Independent, Coil spring

G: BRAKE

Model	2.5 X	2.5 XS, 2.5 XT
Service brake system	Dual circuit hydraulic with vacuum suspended power unit	
Front	Ventilated disc brake	
Rear	Drum brake	Disc brake
Parking brake	Mechanical on rear brakes	

H: TIRE

Rim size	16 × 6 ¹ / ₂ JJ
Tire size	P215/60R16 94H
Type	Steel belted radial, Tubeless

FORESTER

SPECIFICATIONS

I: CAPACITY

Model		2.5L Non-turbo		2.5L Turbo	
		5MT	4AT	5MT	4AT
Fuel tank	ℓ (US gal, Imp gal)	60 (15.9, 13.2)			
Engine oil (When replaced)	ℓ (US qt, Imp qt)	Approx. 4.0 (4.2, 3.5)			
Transmission gear oil	ℓ (US qt, Imp qt)	3.5 (3.7, 3.1)	—	3.5 (3.7, 3.1)	—
ATF	ℓ (US qt, Imp qt)	—	9.3 (9.8, 8.2)	—	9.3 (9.8, 8.2)
Front differential gear oil	ℓ (US qt, Imp qt)	—	1.2 (1.3, 1.1)	—	1.2 (1.3, 1.1)
Rear differential gear oil	ℓ (US qt, Imp qt)	0.8 (0.8, 0.6)			
Power steering fluid	ℓ (US qt, Imp qt)	0.7 (0.7, 0.6)			
Engine coolant	ℓ (US qt, Imp qt)	Approx. 6.9 (Approx. 7.3, 6.1)	Approx. 6.8 (Approx. 7.2, 6.0)	Approx. 7.4 (Approx. 7.8, 6.5)	Approx. 7.3 (Approx. 7.7, 6.4)

J: WEIGHT

1. FOR U.S. MODEL

Option code★1			U4QW		U4NQ		U4PV		U4PU	
Model			2.5 L Non-turbo							
Grade			2.5 X		2.5 XS					
Transmission			5MT	4AT	5MT	4AT	5MT	4AT	5MT	4AT
Curb weight (C.W.)	Front	kg (lb)	780 (1,720)	800 (1,765)	780 (1,720)	800 (1,765)	780 (1,720)	800 (1,765)	785 (1,725)	805 (1,770)
	Rear	kg (lb)	620 (1,370)	620 (1,370)	625 (1,375)	625 (1,375)	625 (1,375)	625 (1,375)	635 (1,405)	635 (1,405)
	Total	kg (lb)	1,400 (3,090)	1,420 (3,135)	1,405 (3,095)	1,425 (3,140)	1,405 (3,095)	1,425 (3,140)	1,420 (3,130)	1,440 (3,175)
Gross axle weight (G.A.W.)	Front	kg (lb)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)
	Rear	kg (lb)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)
Gross vehicle weight (G.V.W.)			kg (lb)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)
Option	Tough package base		—		○		—		—	
	Aluminium wheel		—		○		○		○	
	Front fog light		○		○		○		○	
	Cruise control		○		○		○		○	
	Sport steering		—		○		—		—	
	Leather package base		—		—		○		○	
	Leather seat, leather door trim		—		—		—		—	
	Air conditioner		○		○		○		○	
	Side air bag		○		○		○		○	
	Sun roof		—		—		—		○	
	Self-levelizer Rr		—		○		—		—	
	Cold zone package B		—		○		○		○	

★1: For option code, refer to ID section. <Ref. to ID-4, MODEL NUMBER PLATE, IDENTIFICATION, Identification.>

FORESTER

SPECIFICATIONS

Option code★1			U4OU		U4NR	
Model			2.5 L Non-turbo			
			2.5 XS			
			5MT	4AT	5MT	4AT
Curb weight (C.W.)	Front	kg (lb)	785 (1,730)	805 (1,775)	785 (1,730)	805 (1,775)
	Rear	kg (lb)	640 (1,410)	640 (1,410)	640 (1,415)	640 (1,415)
	Total	kg (lb)	1,425 (3,140)	1,445 (3,185)	1,425 (3,145)	1,445 (3,190)
Gross axle weight (G.A.W.)	Front	kg (lb)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)
	Rear	kg (lb)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)
Gross vehicle weight (G.V.W.)		kg (lb)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)
Option	Tough package base		—		○	
	Aluminium wheel		○		○	
	Front fog light		○		○	
	Cruise control		○		○	
	Sport steering		—		○	
	Leather package base		○		—	
	Leather seat, leather door trim		○		—	
	Air conditioner		○		○	
	Side air bag		○		○	
	Sun roof		○		○	
	Self-levelizer Rr		—		○	
	Cold zone package B		○		○	

★1: For option code, refer to ID section. <Ref. to ID-4, MODEL NUMBER PLATE, IDENTIFICATION, Identification.>

FORESTER

SPECIFICATIONS

Option code★1			U4NQ		U4PV		U4PU		U4OU		U4NR	
Model			2.5 L Turbo									
			2.5 XT									
			5MT	4AT	5MT	4AT	5MT	4AT	5MT	4AT	5MT	4AT
Curb weight (C.W.)	Front	kg (lb)	825 (1,820)	845 (1,860)	825 (1,820)	845 (1,860)	830 (1,830)	845 (1,865)	830 (1,830)	850 (1,870)	830 (1,830)	850 (1,870)
	Rear	kg (lb)	630 (1,390)	630 (1,395)	630 (1,390)	630 (1,390)	645 (1,420)	645 (1,420)	650 (1,430)	650 (1,430)	650 (1,430)	650 (1,430)
	Total	kg (lb)	1,455 (3,210)	1,475 (3,255)	1,455 (3,210)	1,477 (3,250)	1,475 (3,250)	1,490 (3,285)	1,480 (3,260)	1,500 (3,300)	1,480 (3,260)	1,500 (3,300)
Gross axle weight (G.A.W.)	Front	kg (lb)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)
	Rear	kg (lb)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)
Gross vehicle weight (G.V.W.) kg (lb)			1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)
Option	Tough pack- age base		○	—	—	—	—	—	—	—	○	—
	Aluminium wheel		○	○	○	○	○	○	○	○	○	○
	Front fog light		○	○	○	○	○	○	○	○	○	○
	Cruise control		○	○	○	○	○	○	○	○	○	○
	Sport steering		○	—	—	—	—	—	—	—	○	○
	Leather pack- age base		—	○	○	○	○	○	○	○	—	—
	Leather seat, leather door trim		—	—	—	—	—	—	○	○	—	—
	Air conditioner		○	○	○	○	○	○	○	○	○	○
	Side air bag		○	○	○	○	○	○	○	○	○	○
	Sun roof		—	—	—	—	○	○	○	○	○	○
	Self-levelizer Rr		○	—	—	—	—	—	—	—	○	○
	Cold zone package B		○	○	○	○	○	○	○	○	○	○

★1: For option code, refer to ID section. <Ref. to ID-4, MODEL NUMBER PLATE, IDENTIFICATION, Identification.>

FORESTER

SPECIFICATIONS

2. FOR CANADA MODEL

Option code★1		COQW		CONQ		COPV		
Model		2.5 L Non-turbo						
		2.5 X		2.5 XS				
		5MT	4AT	5MT	4AT	5MT	4AT	
Curb weight (C.W.)	Front	kg (lb)	780 (1,720)	800 (1,765)	780 (1,720)	800 (1,765)	780 (1,720)	800 (1,765)
	Rear	kg (lb)	620 (1,370)	620 (1,370)	625 (1,375)	625 (1,375)	625 (1,375)	625 (1,375)
	Total	kg (lb)	1,400 (3,090)	1,420 (3,135)	1,405 (3,095)	1,425 (3,140)	1,405 (3,095)	1,425 (3,140)
Gross axle weight (G.A.W.)	Front	kg (lb)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)
	Rear	kg (lb)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)
Gross vehicle weight (G.V.W.)		kg (lb)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)
Option	Tough package base		—		○		—	
	Aluminium wheel		—		○		○	
	Front fog light		○		○		○	
	Cruise control		○		○		○	
	Sport steering		—		○		—	
	Leather package base		—		—		○	
	Leather seat, leather door trim		—		—		—	
	Air conditioner		○		○		○	
	Side air bag		○		○		○	
	Sun roof		—		—		—	
	Self-levelizer Rr		—		○		—	
	Cold zone package B		—		○		○	

★1: For option code, refer to ID section. <Ref. to ID-4, MODEL NUMBER PLATE, IDENTIFICATION, Identification.>

FORESTER

SPECIFICATIONS

Option code★1		COPU		CONR		COOU		
Model		2.5 L Non-turbo						
		2.5 XS						
		5MT	4AT	5MT	4AT	5MT	4AT	
Curb weight (C.W.)	Front	kg (lb)	785 (1,725)	805 (1,770)	785 (1,730)	805 (1,775)	785 (1,730)	805 (1,775)
	Rear	kg (lb)	635 (1,405)	635 (1,405)	640 (1,415)	640 (1,415)	640 (1,410)	640 (1,410)
	Total	kg (lb)	1,420 (3,130)	1,440 (3,175)	1,425 (3,145)	1,445 (3,190)	1,425 (3,140)	1,445 (3,185)
Gross axle weight (G.A.W.)	Front	kg (lb)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)	930 (2,050)
	Rear	kg (lb)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)	1,000 (2,200)
Gross vehicle weight (G.V.W.)		kg (lb)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)	1,880 (4,150)
Option	Tough package base		—		○		—	
	Aluminium wheel		○		○		○	
	Front fog light		○		○		○	
	Cruise control		○		○		○	
	Sport steering		—		○		—	
	Leather package base		○		—		○	
	Leather seat, leather door trim		—		—		○	
	Air conditioner		○		○		○	
	Side air bag		○		○		○	
	Sun roof		○		○		○	
	Self-levelizer Rr		—		○		—	
	Cold zone package B		○		○		○	

★1: For option code, refer to ID section. <Ref. to ID-4, MODEL NUMBER PLATE, IDENTIFICATION, Identification.>

FORESTER

SPECIFICATIONS

Option code★1			CONQ		COPV		COPU		CONR		COOU	
Model			2.5 L Turbo									
			2.5 XT									
			5MT	4AT	5MT	4AT	5MT	4AT	5MT	4AT	5MT	4AT
Curb weight (C.W.)	Front	kg (lb)	825 (1,820)	845 (1,860)	825 (1,820)	845 (1,860)	830 (1,830)	845 (1,865)	830 (1,830)	850 (1,875)	830 (1,830)	850 (1,875)
	Rear	kg (lb)	630 (1,390)	630 (1,395)	630 (1,390)	630 (1,390)	640 (1,410)	640 (1,410)	645 (1,420)	645 (1,420)	645 (1,420)	645 (1,420)
	Total	kg (lb)	1,455 (3,210)	1,475 (3,255)	1,455 (3,210)	1,475 (3,250)	1,470 (3,240)	1,485 (3,275)	1,475 (3,250)	1,495 (3,295)	1,475 (3,250)	1,495 (3,295)
Gross axle weight (G.A.W.)	Front	kg (lb)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)	990 (2,190)
	Rear	kg (lb)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)	1,020 (2,250)
Gross vehicle weight (G.V.W.) kg (lb)			1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)	1,960 (4,320)
Option	Tough pack- age base		○	—	—	—	—	—	○	—	—	—
	Aluminium wheel		○	○	○	○	○	○	○	○	○	○
	Front fog light		○	○	○	○	○	○	○	○	○	○
	Cruise control		○	○	○	○	○	○	○	○	○	○
	Sport steering		○	—	—	—	—	—	○	—	—	—
	Leather pack- age base		—	○	○	○	○	○	—	—	○	○
	Leather seat, leather door trim		—	—	—	—	—	—	—	—	○	○
	Air conditioner		○	○	○	○	○	○	○	○	○	○
	Side air bag		○	○	○	○	○	○	○	○	○	○
	Sun roof		—	—	—	—	○	○	○	○	○	○
	Self-levelizer Rr		○	—	—	—	—	—	○	○	—	—
	Cold zone package B		○	○	○	○	○	○	○	○	○	○

★1: For option code, refer to ID section. <Ref. to ID-4, MODEL NUMBER PLATE, IDENTIFICATION, Identification.>

3. OPTIONAL PARTS

Option	Front kg (lb)	Rear kg (lb)	Total kg (lb)
Tough package base	0.1 (0.2)	0.4 (0.9)	0.5 (1.1)
Aluminium wheel	−6.5 (−14.3)	−6.5 (−14.3)	−13.0 (−28.6)
Front fog light	0.7 (1.5)	−0.1 (−0.2)	0.6 (1.3)
Cruise control	1.5 (3.3)	0.2 (0.5)	1.7 (3.8)
Sport steering	0.2 (0.5)	0.1 (0.2)	0.3 (0.7)
Leather seat, leather door trim	1.2 (2.6)	3.0 (6.6)	4.2 (9.2)
Air conditioner	16.9 (37.3)	−1.4 (−3.1)	15.5 (34.2)
Side air bag	2.0 (4.4)	2.4 (5.3)	4.4 (9.7)
Sun roof	3.5 (7.7)	13.2 (29.1)	16.7 (36.8)
Self-levelizer Rr	0.1 (0.2)	3.0 (6.6)	3.1 (6.8)
Cold zone package B	0.1 (0.2)	0.3 (0.7)	0.4 (0.9)

FORESTER

SPECIFICATIONS
