

1. Pre-delivery Inspection

A: GENERAL DESCRIPTION

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 condition.
- Check the vehicle before delivery is in normal condition.
- Check that there are no scratches on the vehicle and that none of the vehicle protective parts are missing when shipping or in storage.
- Make sure to provide a complete vehicle to customer.

For above reasons, all SOA service centers must carry out the PDIs before delivery of vehicle.

Furthermore, all SOA service centers and PDI centers must inspect the status of all vehicles and clarify the responsible party.

B: PRE-DELIVERY INSPECTION (PDI) PROCEDURE

Perform the procedures indicated in the table below.

Static Checks Just After Vehicle Receipt

Step	Check point
1. Appearance	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 inspect the body paints for small areas of damage or rust. 2. Visually check the glass and light lenses for any damage, cracks or excessive gaps between body sheet metal. 3. Visually check the plated parts for any damage.
2. Tire	1. Check the tires for damage, defective, and dents on wheels. 2. Check the tire air pressure.
3. Fuse	If the vehicle is about to be shipped to the customer, attach a room light fuse.
4. Door Lock/Unlock and open/close operations	1. Using the key, check the trunk lid can be locked or unlocked normally. 2. Open and close all doors to check that there are no defective. 3. Operate the power door lock switch to check that all doors and the rear gate lock and unlock normally.
5. Child safety lock	Check the child safety lock system operates normally.
6. Rear gate Lock/Unlock and open/close operations	1. Open and close the rear gate to see that there are no abnormal conditions. 2. Check if the rear gate can be unlocked normally through the emergency hole. 3. Operate the power door lock switch to check that all doors and the rear gate lock and unlock normally.
7. Fuel filler lid opener lock release lever	Operate the fuel filler lid opener to check that the fuel filler lid unlocks normally.
8. Accessory	Check that the following accessories are provided. • Owner's manual • Warranty booklet • Maintenance note • Spare key • Key number plate • Jack • Tool set • Spare tire • Towing hook (Eye bolt)
9. Front hood lock release system	Operate the front hood lock release lever to check that the front hood opens normally.
10. Battery	Check the battery for any abnormal conditions such as rust and trace of battery fluid leaks.
11. Brake fluid	Check the fluid amount.
12. Engine oil	Check the oil amount.
13. Transmission gear oil	Check that the transmission gear oil level is correct.
14. AT front differential oil	Check the AT front differential oil amount.
15. Engine coolant	Check the engine coolant amount.
16. Clutch fluid	Check the clutch fluid amount.
17. Window washer fluid	Check the window washer fluid amount.
18. Front hood latch	Check that the hood is closed and latched completely.
19. Keyless entry system	Check that the keyless entry system operates normally.
20. Security system (Alarm system)	Check that the security system (alarm system) operates normally.
21. Seat	1. Check the seat surfaces for stains or dirt. 2. Check the seat installation conditions and functionality. 3. Check that the passenger's seat occupant detection system operates normally.
22. Seat belt	1. Check the seat belt installation conditions and functionality. 2. Check the seat belt warning functionality for normal operations.
23. TPMS	1. Turn the transmitter power of TPMS to ON. 2. When the display of the TPMS warning light does not operate normally, perform the diagnosis while referring to TPMS(diag).
24. ECM protector	Check that the ECM protector is installed for vehicles destined for Canada.

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Checks with the Engine Running

Step	Check point
25. Test mode connector	Check that the test mode connector is disconnected.
26. Immobilizer system	1. Check that the engine starts with all keys that are equipped on vehicle. 2. 60 seconds after turning ignition switch from ON to ACC or OFF, or immediately after removing the key, check that the security indicator light is blinking.
27. Starting condition	Start the engine and check that the engine starts smoothly.
28. Exhaust system	Check that the exhaust noise is normal and no leaks are found.
29. Indicator and warning lights	Check that all indicator lights and warning lights operate normally.
30. Heater & ventilation	Check that the heater & ventilation system operates normally.
31. Air conditioner	Check that the air conditioner operates normally.
32. Clock	Check that the clock operates normally.
33. Antenna	Install the antenna.
34. Radio	Check that the radio system operates normally.
35. Accessory power supply socket	Check that the accessory power supply socket operates normally.
36. Lighting system	Check that the lighting system operates normally.
37. Window washer	Check that the window washer system operates normally.
38. Headlight washer	Check the headlight washer operation.
39. Wiper	Check that the wiper system operates normally.
40. Power window operation check	Check the power window for normal operations.

Dynamic Test with the Vehicle Running

Step	Check point
41. Brake test	Check the foot brake for normal operations.
42. Parking brake	Check the parking brake for normal operations.
43. AT shift control	Check that the AT shifts normally.
44. Cruise control	Check that the cruise control system operates normally.

Checks after Dynamic Test

Step	Check point
45. ATF level	Check that the ATF level is correct.
46. Power steering fluid level	Check that the power steering fluid level is normal.
47. Fluid leakage	Check for fluid/oil leaks.
48. Water leakage	Spray the vehicle with water and check for water leaks.
49. Appearance 2	1. Remove the protective coat. (If attached) 2. Check the body paints for damage and stain. 3. Check the plated parts for damage and rust.

1. APPEARANCE

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

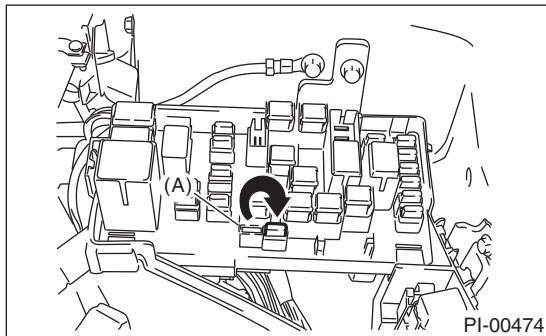
2. TIRE

- Check the outer side surface of the tire damage.
- Check the tire air pressure by referring to the following table.

Tire size	Tire inflation pressure kPa (kg/cm ² , psi)	
	Front	Rear
P215/65R16	210 (2.1, 30)	200 (2.0, 29)
P225/55R17	220 (2.2, 32)	210 (2.1, 30)

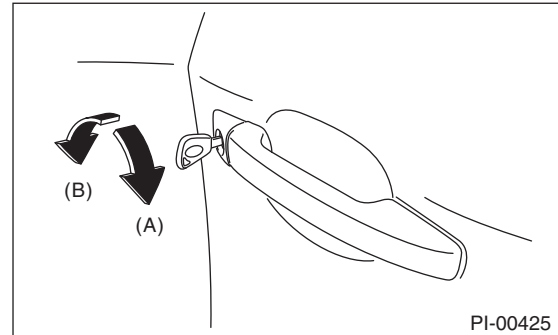
3. FUSE

Fuses for the room light circuit on initially delivered vehicles are removed to prevent battery discharge. Attach the 20 A fuse (A) as shown in the figure.



4. DOOR LOCK/UNLOCK AND OPEN/CLOSE OPERATIONS

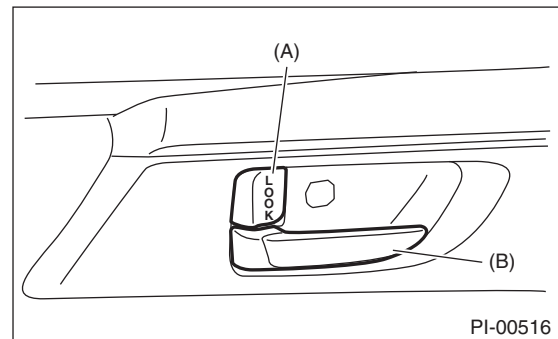
- 1) Using the key, lock and unlock the door several times to check for normal operation. Open and close the door several times for smooth movement.



- (A) Unlock
(B) Lock

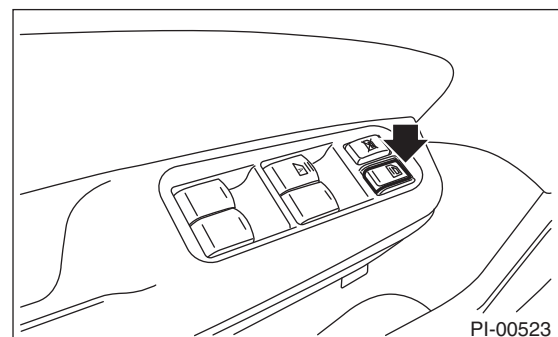
- 2) Close the door of driver seat completely, and place the door lock knob (A) to the lock position. Then pull the inner remote (B) to ensure that doors will not open.

For other doors, place the door lock knob (A) to lock position and then pull the inner remote (B) to ensure that doors will not open.



- (A) Door lock knob
(B) Inner remote

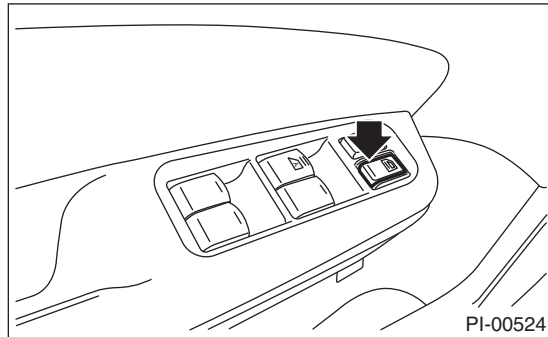
- 3) Press the driver's power door lock switch to the lock side. Check that all doors (including the rear gate) lock.



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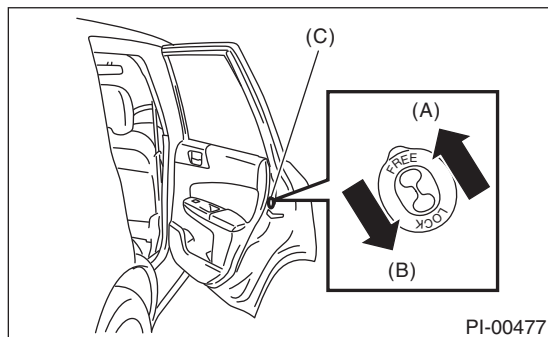
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4) Press the driver's power door lock switch to the unlock side. Check that all doors (including the rear gate) unlock.



5. CHILD SAFETY LOCK

- 1) Set the child safety lock on both rear doors to the lock position.
- 2) Close the rear doors completely.
- 3) Check that the lock levers of the rear doors are in the unlock position. Then, pull inner remote of rear doors to ensure that doors will not open.
- 4) Pull the outer handles of the rear doors to ensure that doors will open.

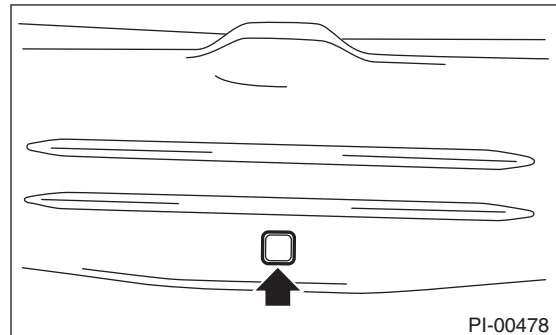


- (A) Unlock
- (B) Lock
- (C) Child safety lock

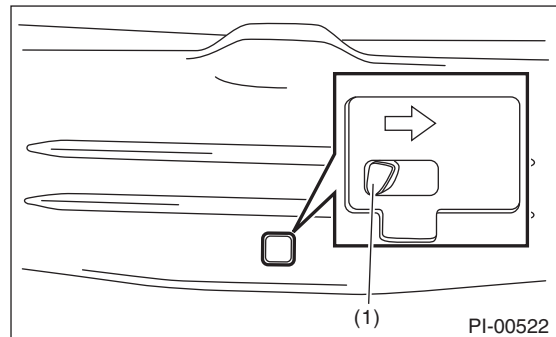
6. REAR GATE LOCK/UNLOCK AND OPEN/CLOSE OPERATIONS

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

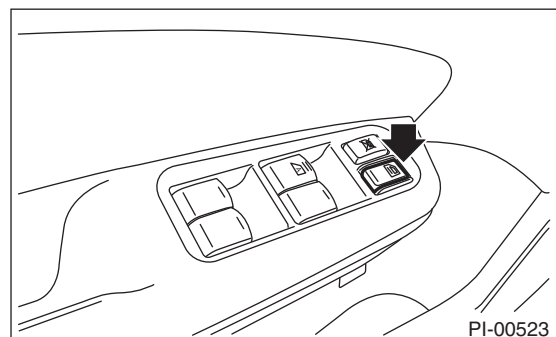
(1) Remove the cover inside the rear gate.



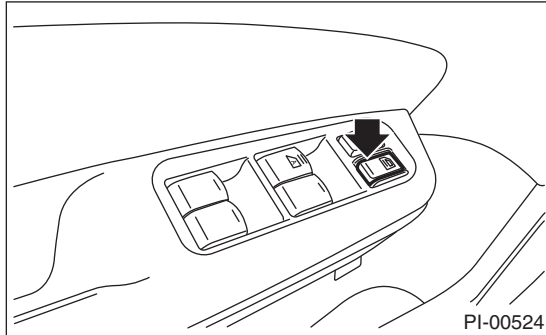
(2) Using a screwdriver, check that the rear gate is unlocked normally.



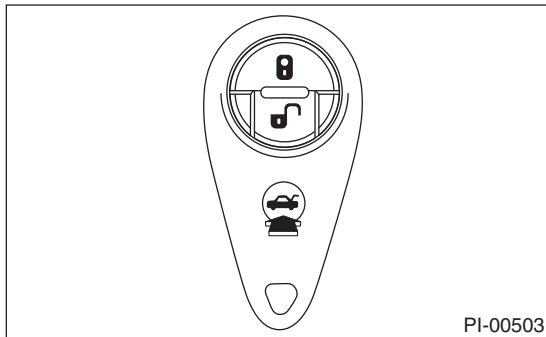
3) Press the driver's power door lock switch to the lock side. Check that all doors (including the rear gate) lock.



4) Press the driver's power door lock switch to the unlock side. Check that all doors (including the rear gate) unlock.



5) Lock all the doors including rear gate. Press the rear gate unlock button and the rear gate unlocks. Press the release button and open the rear gate. Check that the buzzer sounds twice and the hazard lights flash twice.



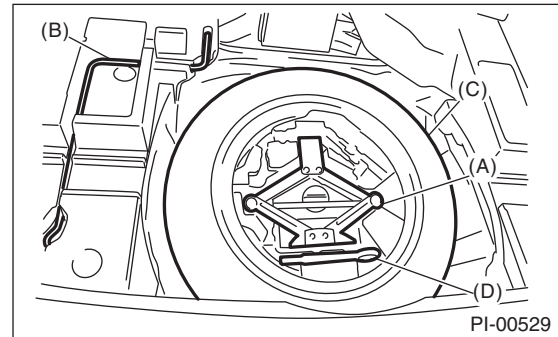
7. FUEL FILLER FLAP LID OPENER LOCK RELEASE LEVER

Operate the fuel filler lid opener to check that the fuel filler lid opens normally. Check that the fuel filler cap closes securely.

8. ACCESSORY

Check that the following accessories are provided.

- Owner's manual
- Warranty booklet
- Maintenance note
- Spare key
- Key number plate
- Jack
- Tool set
- Spare tire
- Towing hook (Eye bolt)



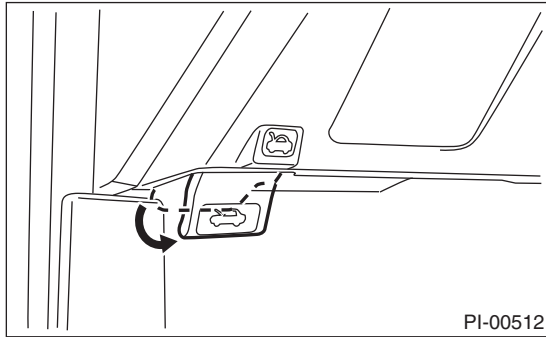
- (A) Jack
- (B) Jack handle
- (C) Spare tire
- (D) Towing hook (Eye bolt)

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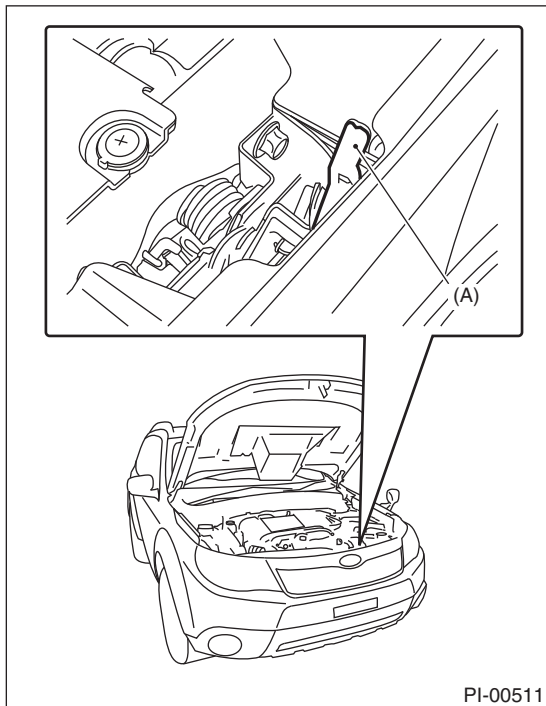
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9. FRONT HOOD LOCK RELEASE SYSTEM

Operate the front hood release knob to check that the front hood will unlock properly.

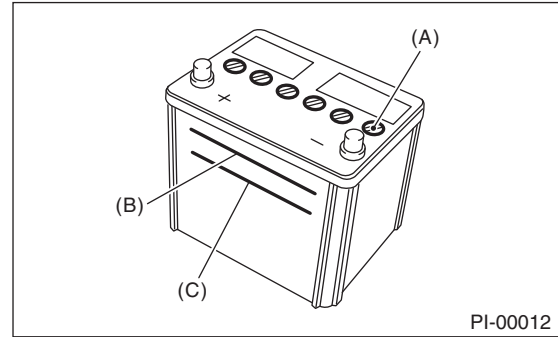


Operate the lever (A) and check that the front hood is opened normally.



10.BATTERY

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



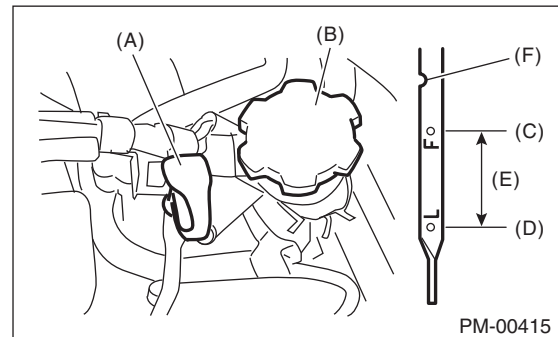
- (A) Cap
- (B) Upper level
- (C) Lower level

11.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.

12.ENGINE OIL

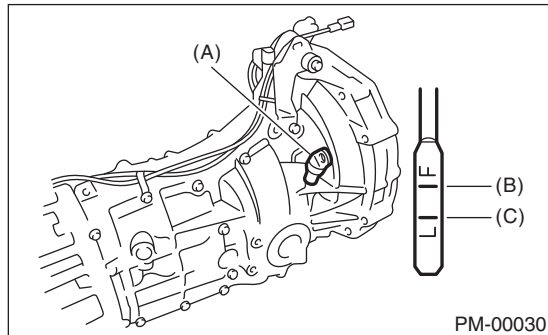
Check the engine oil amount. If the amount of oil is insufficient, check that no leaks are found. Then, add the necessary amount of the specified engine oil.



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

13.TRANSMISSION GEAR OIL

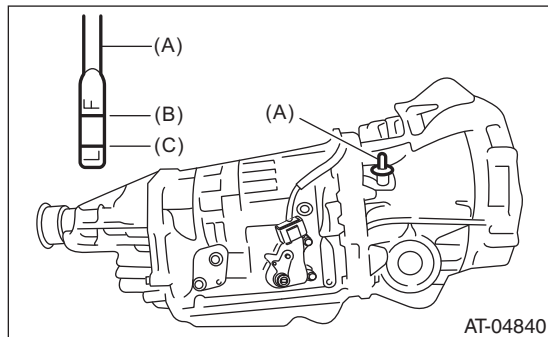
Check the transmission gear oil amount. If the amount of gear oil is inappropriate, check that no leaks are found. Then, add the necessary amount of the specified gear oil.



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

14.AT FRONT DIFFERENTIAL OIL

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



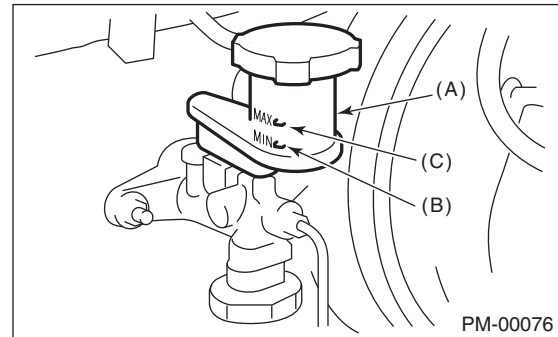
- (A) Oil level gauge
- (B) Upper level
- (C) Lower level

15.ENGINE COOLANT

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

16.CLUTCH FLUID

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



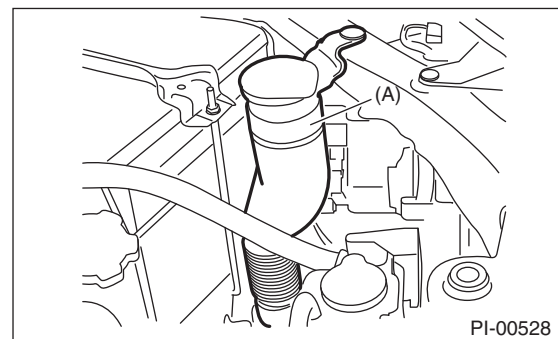
- (A) Reservoir tank
- (B) MIN. level
- (C) MAX. level

CAUTION:

If any clutch fluid is spilt on the exhaust pipe, wipe off completely to avoid emitting smoke or causing a fire.

17.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.



- (A) Window washer tank

18.FRONT HOOD LATCH

Close the front hood. Check that the front hood is completely latched.

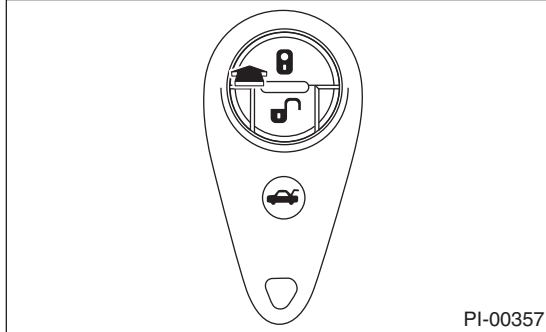
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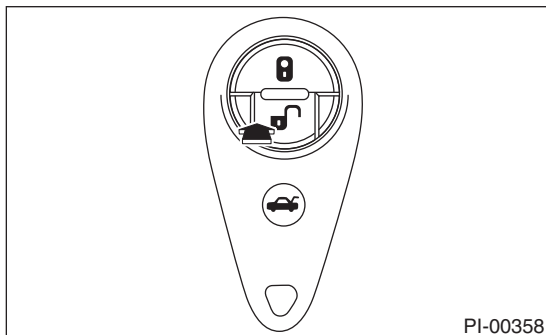
19.KEYLESS ENTRY SYSTEM

Check the keyless entry system operations as follows:

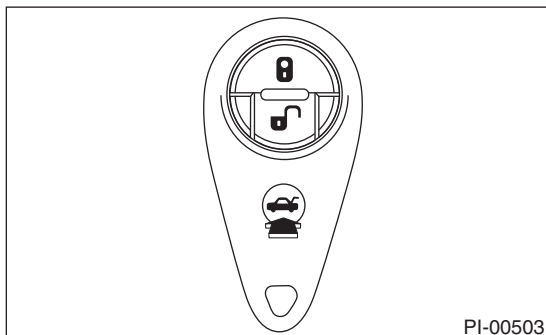
- Fully open all the door windows.
- Remove the key from the ignition switch and close all the doors including rear gate.
- Press the “” button momentarily on the keyless transmitter. Check if all the doors are locked, the buzzer sounds once and hazard light blinks once.



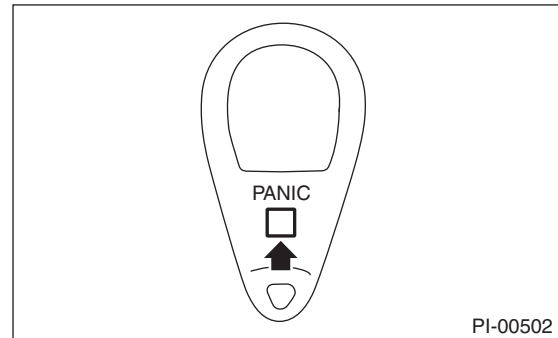
- Press the “” button momentarily on the keyless transmitter. Check if the driver's side door is unlocked, the buzzer sounds twice and hazard light blinks twice.



- Within five seconds, briefly press the “” button momentarily on the keyless transmitter. Check that all doors (including rear gate) are unlocked.
- Lock all the doors including rear gate. Press the rear gate unlock button and the rear gate unlocks. Press the release button and open the rear gate. Check that the buzzer sounds twice and the hazard lights flash twice.

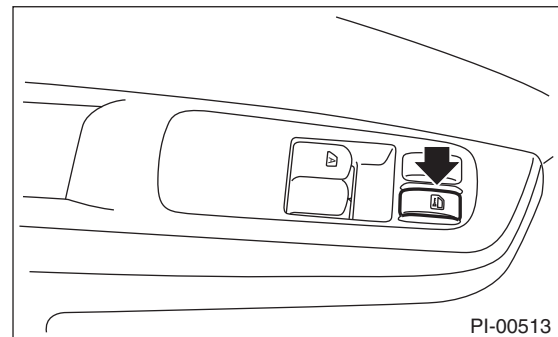


- Press the panic button of the keyless transmitter. Check whether a panic state (horn continuously honks) occurs. Also, check whether that state continues for 30 seconds or until the keyless transmitter button is pressed.

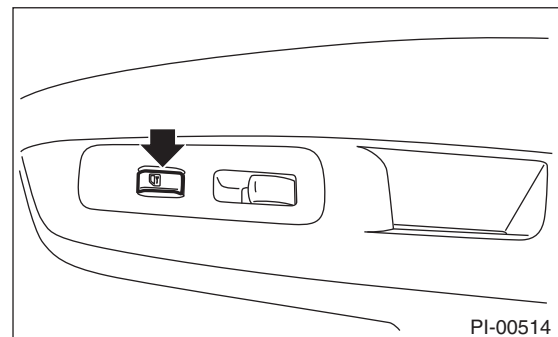


- Press the “” button once momentarily on the keyless transmitter with one door (including the rear gate) open. Check that the buzzer sounds five times and the door open warning is issued. Next, close all the doors including rear gate. Check if all the doors are locked, the buzzer sounds once and hazard light blinks once.
- Press the “LOCK” side of the power door switch with one door (including the rear gate) open. Next, close all the doors including rear gate. Check if all the doors are locked, the buzzer sounds once and hazard light blinks once.

- Driver's side



- Passenger's side



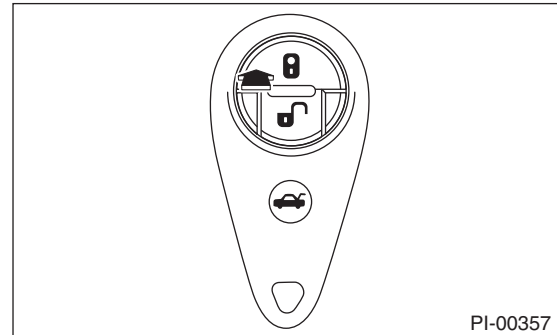
CHECK ANSWER BACK SOUND OPERATION

- The system uses a buzzer to sound an answer back when the doors are locked or unlocked. The answer back sound can be turned OFF if desired. To turn the answer back sound from ON to OFF, with all doors closed (the key is not in the key cylinder), insert the key into the key cylinder while pressing the "UNLOCK" side of the power door lock switch. Within 10 seconds after inserting/removing the key five times within or more 10 seconds, open/close the driver's door. After the door is closed, the hazard lights flash three times indicating that the answer back sound is now OFF. Perform this same procedure to turn the answer back sound from OFF to ON. The hazard lights flash three times indicating that the answer back sound is now ON.

20.SECURITY SYSTEM

Check that the security system operates as indicated below.

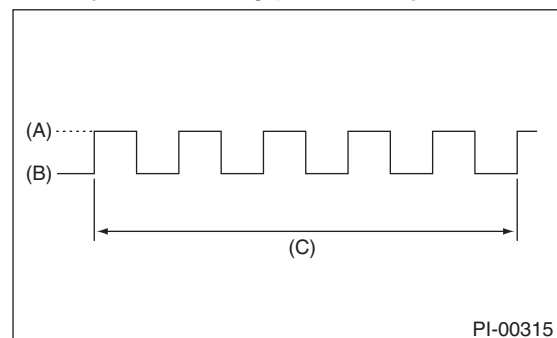
- 1) Fully open all the door windows.
- 2) Remove the key from the ignition switch and close all the doors including rear gate.
- 3) Press the "🔒" button on the keyless transmitter once.



- 4) If all doors are locked, the buzzer sounds once, the hazard light blinks once and security indicator light flashes as shown in the figure, the alarm system is in the arming preparatory state.



- Alarm system arming preparatory state



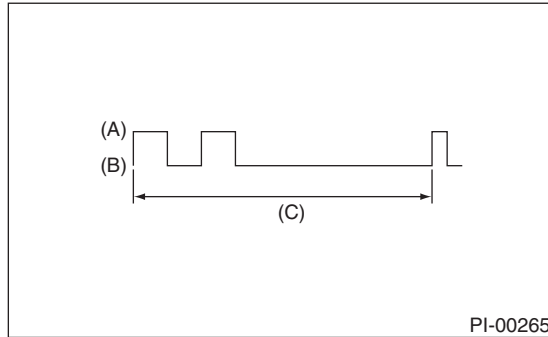
- (A) Light ON
- (B) Light OFF
- (C) 2 seconds

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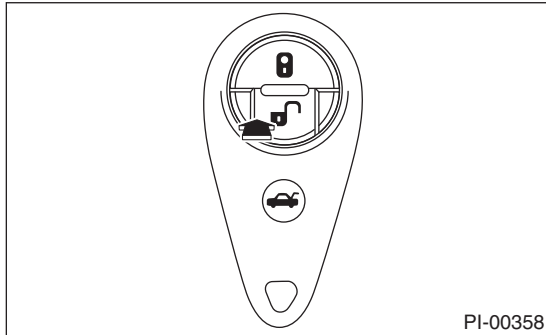
5) Check that the system enters monitoring condition 30 seconds after the condition in 4).

- Alarm system monitoring condition (all models)



- (A) Light ON
- (B) Light OFF
- (C) 2 seconds

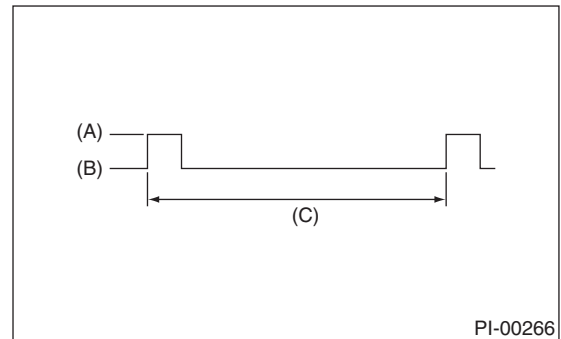
6) Press the “” button on the keyless transmitter once.



7) The driver’s side door is unlocked, the buzzer sounds twice and hazard light blinks twice, the room light lights up, and if the security indicator light flashes as shown in the figure below, the alarm system has been disarmed.

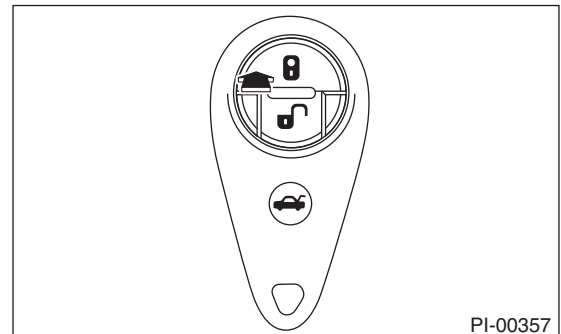


- Alarm system disarmed



- (A) Light ON
- (B) Light OFF
- (C) 3 seconds

8) Press the “” button once on the keyless transmitter with one door (including the rear gate) open.

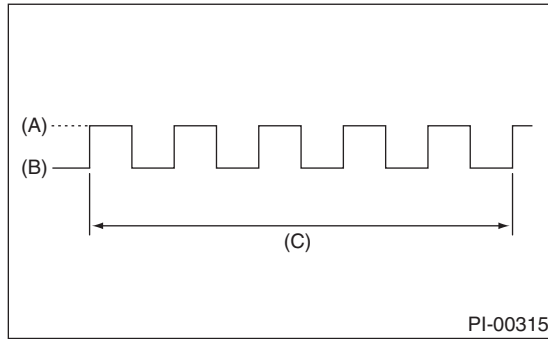


9) Check that the buzzer sounds five times and the door not fully closed warning.

10) Close all the doors including rear gate.

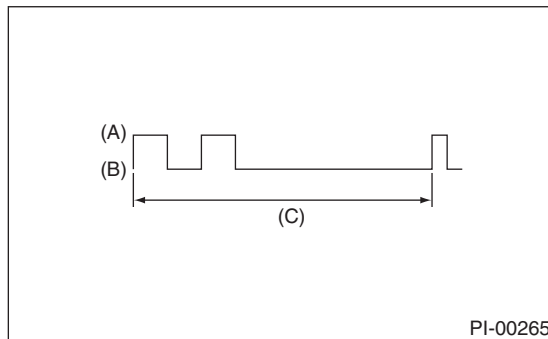
11) Check that it is in the monitoring condition (all the doors are locked, the buzzer sounds once and hazard light blinks once).

- Alarm system monitoring prepared condition



- (A) Light ON
- (B) Light OFF
- (C) 2 seconds

12) Check that the system enters monitoring condition 30 seconds after the condition 11).

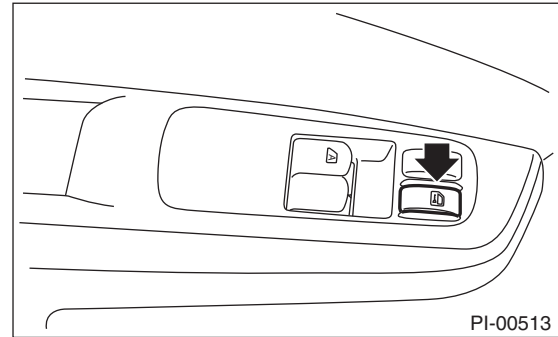


- (A) Light ON
- (B) Light OFF
- (C) 2 seconds

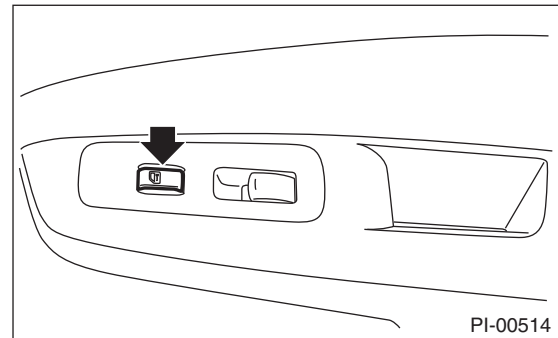
13) Press the “” button on the keyless transmitter once to disarm the system.

14) Press the “LOCK” side of the power door switch with one door (including the rear gate) open.

- Driver’s side



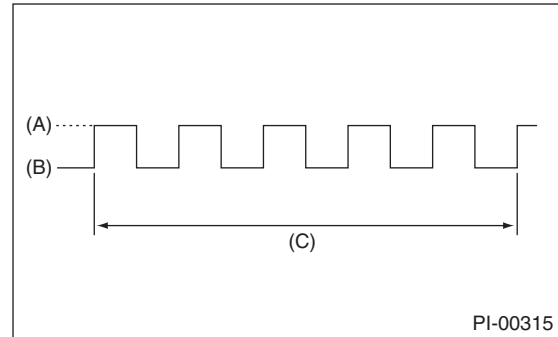
- Passenger’s side



15) Close all the doors including rear gate.

16) If all the doors are locked, the buzzer sounds once and hazard light blinks once, the alarm system is in the monitoring prepared condition.

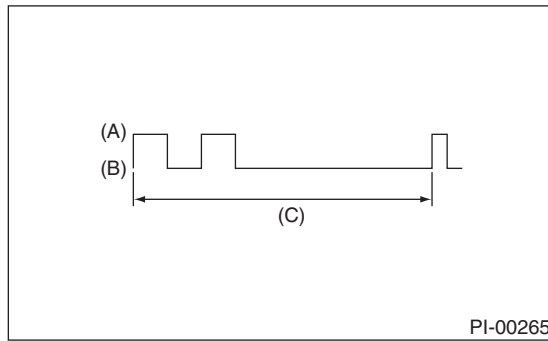
- Alarm system arming preparatory state



- (A) Light ON
- (B) Light OFF
- (C) 2 seconds

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17) Check that the system enters monitoring condition 30 seconds after the condition 15).



- (A) Light ON
- (B) Light OFF
- (C) 2 seconds

18) When the alarm system is in the monitoring condition, use the inner lock knob or key to unlock the door, and open the door.

19) Check that the alarm state (horn continuously honks, hazard light blinks, and security indicator light illuminates) has occurred.

20) Check that the state described in 18) continues either for 30 seconds or more, or until “” button of keyless transmitter is pressed, or until the ignition switch is turned to ON using the proper ignition key.

21) For model with impact sensor, manually tap on the windshield glass to cause an alarm to occur while the alarm system is in the monitoring condition.

22) Perform troubleshooting on the security system if the above does not apply. <Ref. to SL-22, INSPECTION, Security System.>

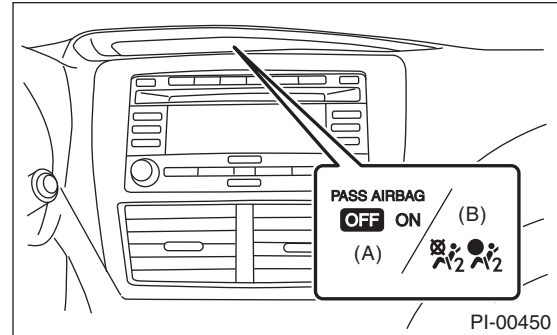
21. SEAT

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

2) Check the passenger's seat occupant detection system.

(1) Empty the passenger's seat and turn the ignition switch to ON.

(2) Check the ON and OFF of passenger's airbag indicator light come on simultaneously for about six seconds and go off for two seconds, and then only OFF comes on again.



- (A) Airbag ON/OFF indicator light (U.S. model)
- (B) Airbag ON/OFF indicator light (Canada model)

(3) With a person sitting in the passenger's seat, and check if the passenger's airbag indicator lights in about four seconds.

(4) Empty the passenger's seat and check if the OFF of passenger's airbag indicator light comes on in about two seconds.

22. SEAT BELT

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

2) Check seat belt warning system

(1) Turn the ignition switch to ON without fastening driver's and passenger's seat belts.

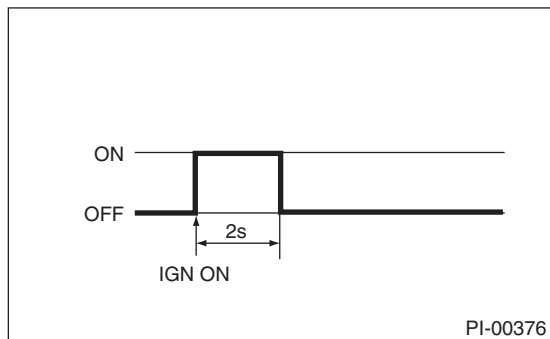
(2) Check if the seat belt warning lights of driver's and passenger's side blink for about six seconds and the buzzer beeps intermittently.

(3) Then, check that the seat belt warning light comes on and blinks in approximately 15 second cycles. (If the passengers seat is empty, seat belt warning light for passengers side does not operate.)

23.TPMS

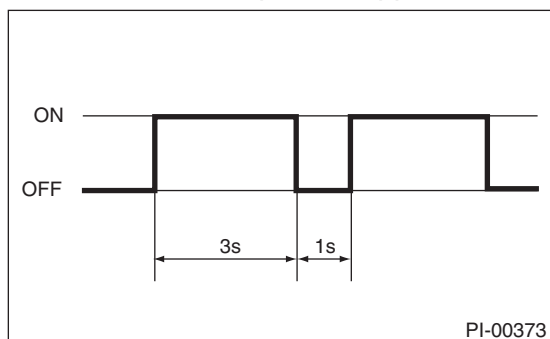
1) Turn the ignition switch to ON, and confirm that the TPMS warning light operates normally.

- Normal operation (at IG ON (light check))

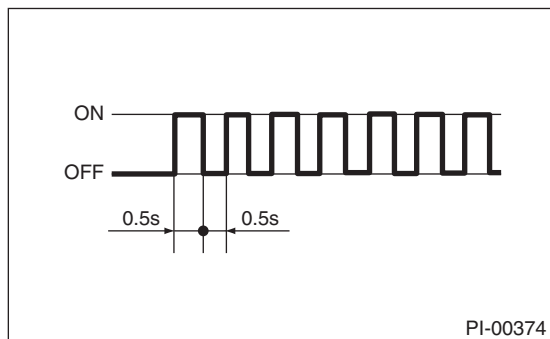


2) If the display of TPMS warning light does not operate normally, check and repair according to the procedures in the following table.

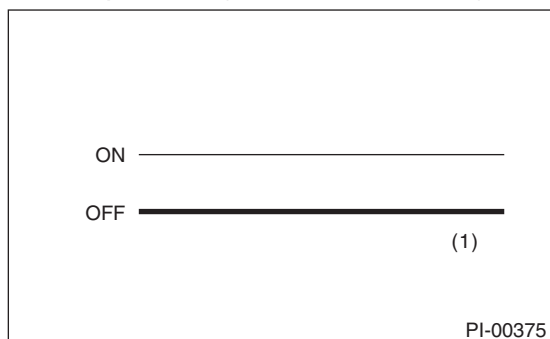
- All wheel transmitter power supplies OFF *1



- No. 1 — 3 wheel transmitter power supplies OFF *2

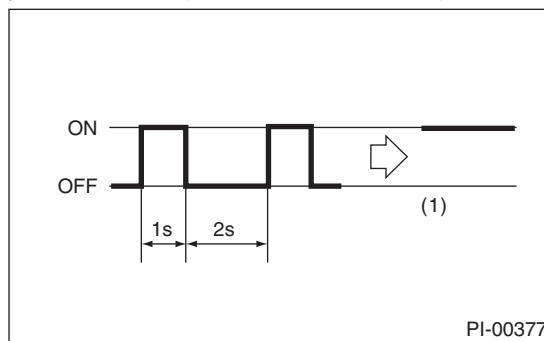


- Normal operation (at normal condition) *3



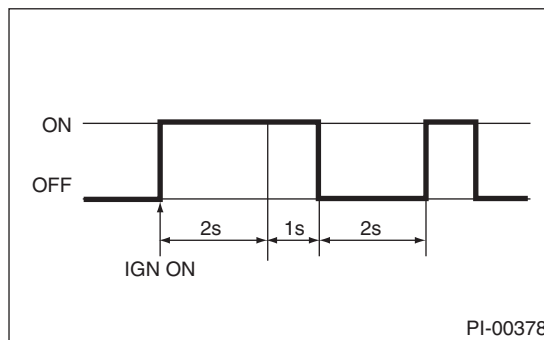
(1) Light OFF

- System failure (at normal condition)

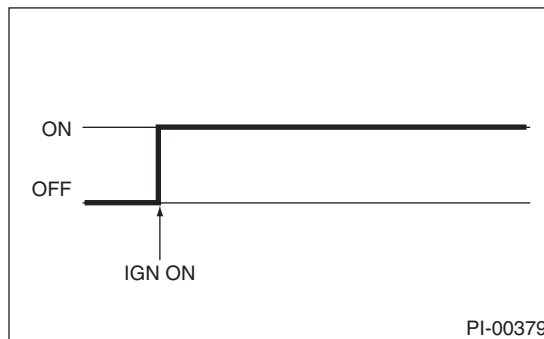


(1) Lights after blinking 25 times

- System failure (at IG ON)



- At the tire air pressure decrease warning or ID unregistered



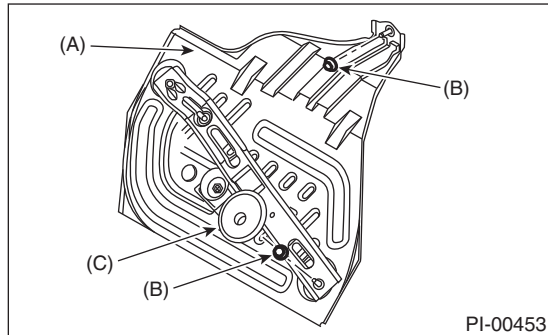
Pre-delivery Inspection

PRE-DELIVERY INSPECTION

Step		Check	Yes	No
1	CHECK TPMS WARNING LIGHT. 1) IG ON 2) Check the state of the TPMS warning light.	Does the state of the TPMS warning light become *1?	Go to step 2.	Go to step 3.
2	TURN THE VALVE POWER SUPPLY TO ON. 1) Contact the transmitter registration tool to the side wall near the air valve of the tire. 2) Press and hold the switch for 4 seconds or more. 3) Perform the same procedures for all wheels.	Does the state of the TPMS warning light become *3?	Go to step 10.	Go to step 9.
3	CHECK ID. 1) While checking the display of the Subaru Select Monitor, transmit the transmitter ID by using the transmitter registration tool.	Does the ID of the installed transmitter match the registered ID?	Go to step 6.	Go to step 4.
4	RE ID REGISTRATION. 1) Register the transmitter. 2) After the ID registration, check if the state of the TPMS warning light becomes *3.	Does the state of the TPMS warning light become *3?	Go to step 11.	Go to step 6.
5	CHECK TIRE PRESSURE. 1) Check the tire pressure for all tires. 2) Adjust the tire pressure. 3) Check the state of the TPMS warning light.	Does the state of the TPMS warning light become *3?	Go to step 7.	Go to step 6.
6	DIAGNOSIS. 1) Using the Subaru Select Monitor, check the diagnostic history.	Is DTC displayed on the Subaru Select Monitor?	Repair the trouble cause. <Ref. to TPM(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>	Go to step 7.
7	CLEAR TROUBLE HISTORY. 1) Using the Subaru Select Monitor, perform the Clear Memory.	Is DTC displayed on the Subaru Select Monitor?	Repair the trouble cause. <Ref. to TPM(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>	Go to step 8.
8	CHECK TPMS WARNING LIGHT. 1) IG OFF 2) IG ON 3) Check the state of the TPMS warning light.	Does the TPMS warning light display show *3?	Finish the procedures.	Perform the diagnosis again. <Ref. to TPM(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>
9	CHECK TPMS WARNING LIGHT.	Does the state of the TPMS warning light become *1 or *2?	Go to step 3.	Go to step 5.
10	TRANSMIT DATA FORCIBLY. 1) Contact the transmitter registration tool to the side wall near the air valve of the tire. 2) Press and hold the switch for 4 seconds or more. 3) Perform the same procedures for all wheels.	Does the state of the TPMS warning light become *3?	Finish the procedures.	Go to step 5.
11	TRANSMIT DATA FORCIBLY. 1) Contact the transmitter registration tool to the side wall near the air valve of the tire. 2) Press and hold the switch for 4 seconds or more. 3) Perform the same procedures for all wheels.	Does the state of the TPMS warning light become *3?	Go to step 7.	Go to step 5.

24.ECM PROTECTOR

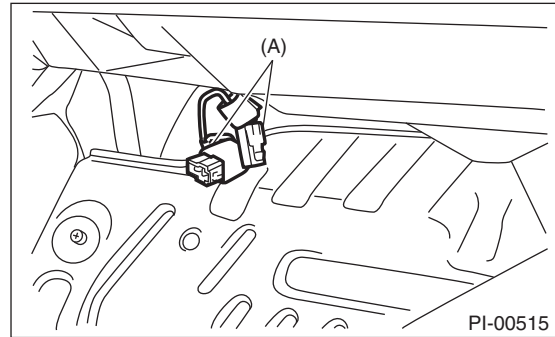
Check the install condition of the ECM protector is installed for vehicles for Canada models. Check the special nuts and plastic cover of the ECM protector are firmly installed.



- (A) ECM protector
- (B) Special nut
- (C) Plastic cover

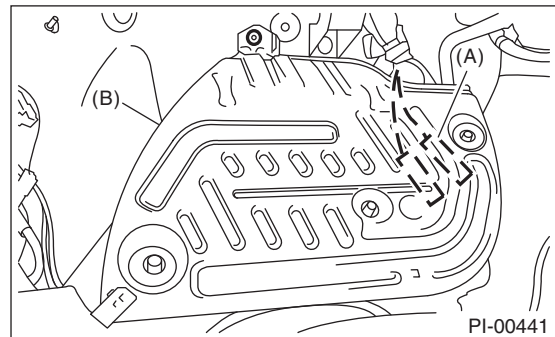
25.TEST MODE CONNECTOR

- 1) Turn the ignition switch to ON and check that the malfunction indicator light starts blinking.
- 2) If the light blinks, return the ignition key to LOCK.



- (A) Test mode connector (Green)

- 3) Disconnect the test mode connector from under the feet of the passenger's seat.
- 4) Then, turn the ignition key to ON again.
- 5) If the malfunction indicator light blinks at that time in spite of the disconnected test mode connector, carry out an engine diagnosis.
- 6) Insert the disconnected test mode connector into the backside of the ECM protector.



- (A) Test mode connector
- (B) ECM protector

26.IMMOBILIZER SYSTEM

- 1) Check if all keys of the vehicle can start the engine.
- 2) 60 seconds after turning the ignition switch from ON to ACC or OFF, or immediately after removing the key, check if the security indicator light blinks.

NOTE:

If malfunctions occur, refer to "IMMOBILIZER (diag)".

27.STARTING CONDITION

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

28.EXHAUST SYSTEM

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

29.INDICATOR AND WARNING LIGHTS

Check that all indicator lights and warning lights operate normally.

30.HEATER & VENTILATION

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

31.AIR CONDITIONER

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

NOTE:

To prevent the insufficient lubrication of the air conditioner, operate the air conditioner for five minutes at idling.

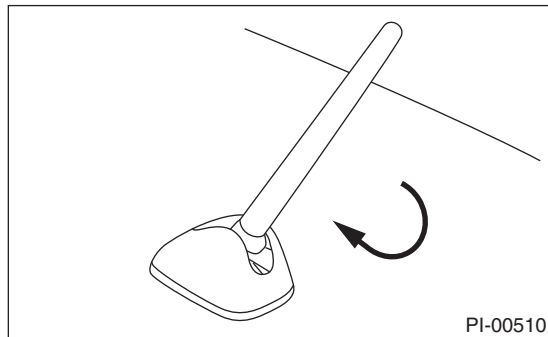
32.CLOCK

Check the clock for normal operations and enough accuracy.

33.ANTENNA

Install the antenna.

- 1) Remove the cap from the antenna base.
- 2) Tighten the antenna rod on the rear seat by hand in the direction indicated by the arrow to install.



- 3) Make sure that radio reception operates correctly after installation.

34.RADIO

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

35.ACCESSORY POWER SUPPLY SOCKET

- 1) Check operation of the accessory power supply socket in console box.
- 2) Check operation of the accessory power supply socket in luggage room.

36.LIGHTING SYSTEM

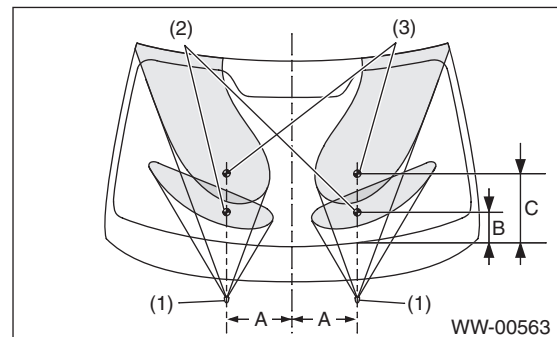
- 1) Check the headlight operations.
- 2) Check the stop light operation.
- 3) For model with manual headlight beam levelizer, check the operation of headlight beam levelizer.
- 4) Check other lights for normal operations.

37.WINDOW WASHER

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

Front injection position:

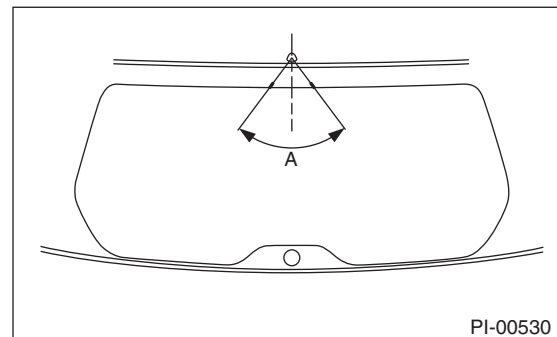
A: 250 mm (9.84 in)



- (1) Nozzle
- (2) Center of upper nozzle
- (3) Center of lower nozzle

Rear injection position:

A: 72°



38.HEADLIGHT WASHER

For models with headlight washers, turn the ignition switch and the headlights ON. Check that the headlight washers operate when the front wiper washer switch has been ON for 0.6 seconds (approximately 1 second).

NOTE:

The headlight washers stop operation within 0.6 seconds of the front wiper washer switch being turned OFF.

39.WIPER

Check the front and rear wipers for normal operations.

40. POWER WINDOW

Operate the power window switches one by one to check that each of the power windows goes up and down without noises.

41. BRAKE TEST

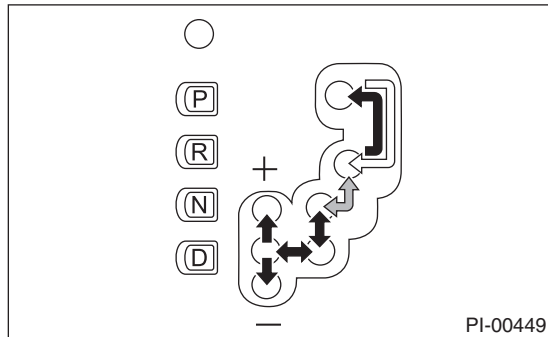
Check the foot brake for normal operations.

42. PARKING BRAKE

Check the parking brake for normal operations. When pulling the parking brake lever with a force of 196 N (20 kgf, 44 lb), check that the lever stroke of parking brake lever is 7 to 8 notches.

43. AT SHIFT CONTROL

- 1) Turn the ignition switch to ON.
- 2) While brake pedal is not depressed, check if the select lever does not move from "P" range.
- 3) While brake pedal is depressed, check if the select lever moves from "P" range.
- 4) Set the select lever to other than "P" range.
- 5) When the ignition switch is turned OFF, check if the ignition key switch cannot be removed.
- 6) Set the AT selector 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
Manual mode	OK	OK	OK	OK

44. CRUISE CONTROL

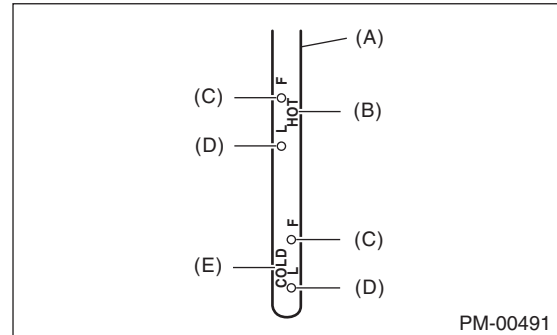
Operate the cruise control system. Check that the system is activated and deactivated correctly.

45. ATF LEVEL

After selecting all positions (P, R, N, D), set the select lever in P range. Measure the ATF level with engine idling for one or two minutes. If the amount of ATF is insufficient, check that no leaks are found. Then, add the necessary amount of the specified ATF.

CAUTION:

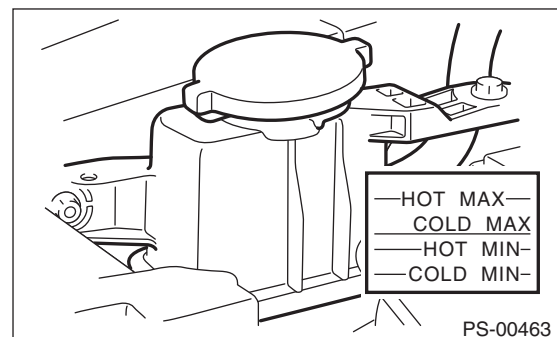
Fill completely with the specified ATF. <Ref. to RM-4, FLUID, RECOMMENDED MATERIALS, Recommended Materials.>



- (A) Level gauge
- (B) Inspection position when "HOT"
(70 — 80°C (158 — 176°F))
- (C) Upper level
- (D) Lower level
- (E) Inspection position when "COLD"
(20 — 30°C (68 — 86°F))

46. POWER STEERING FLUID LEVEL

Check that the power steering fluid level is normal. If insufficient, check for leaks. Then add the necessary amount of the specified power steering fluid.



47. FLUID LEAKAGE

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

48. WATER LEAKAGE

Spray the vehicle with water using a hose 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 the windows and doors securely. Close the front hood before starting the test.
- Connect a hose to a tap, and spray water on the vehicle. The rate of water spray must be approx. 20 to 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 spraying water on areas other than the floor 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) away from 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 compartments is discovered after the water has been applied, carefully check all the areas that may have possibly contributed to the leak.

49. APPEARANCE 2

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

NOTE:

- It is easier to remove the wrap guard using steam.
 - For the vehicle left for a long time or at low temperature, sprinkle some water heated 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 exists on the coated surface, soak a flannel rag, etc. with a small amount of coating wax or solvent such as oil benzene and IPA, put the soaked cloth on the remains lightly, and then wipe them off with a flannel rag etc.
 - Keep solvent from touching the resin or rubber parts. Do not use coating wax or 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 sunlight for a few hours or heat the seam and swollen portions using a dryer etc.
 - Dispose of the peeled wrap guard as burnable industrial garbage.
 - If a yellow label is attached to the fog light lens, remove it.
- 2) Check the whole vehicle body for flaking paint, damage by transportation, corrosion, dirt, cracks or blisters.

NOTE:

- It is better to determine an inspection pattern in order to avoid missing an area, since the total inspection area is wide.
 - Do not repair the body paint unless absolutely necessary. Also, if the vehicle is in need of repair to remove scratches or corroded paint, the repair area must be limited to the minimum. Re-painting and spray painting must be avoided as much as possible.
- 3) Check each window glass for scratches carefully. Slight damage may be removed by polishing with cerium oxide. (Fill a cup half with cerium oxide, and add warm water to it. Then agitate the content until it turns to wax. Apply this wax to a soft cloth, and polish the glass with it.)
- 4) Check each portion of the vehicle body and underside components for the formation of rust. If rust is discovered, remove it with sandpaper of #80 to #180 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 body and all of the exterior parts for deformation or distortion. Also, check each light lens for cracks.

PERIODIC MAINTENANCE SERVICES

PM

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