

GS350/GS450h Pre-Delivery Service Manual

Lexus Technician:

Before you perform Pre-Delivery Service (PDS) on this vehicle, be sure you:

- Read and understand this PDS Manual
- Read and understand all applicable PDS Technical Service Information Bulletins (TSIBs) for this vehicle
- Read and understand the PDS Precautions in the TSIBs.
- Attend the "Technical Introduction to Lexus Course L005" at the Lexus Area Office

When performing PDS on this vehicle:

- Use the PDS Manual when performing this service
- Check the Technical Information System (TIS) for any updated PDS TSIBs that apply to the model you are servicing
- Verify that the Vehicle Identification Number (VIN) on repair order and vehicle match
- Lift vehicle and perform under vehicle safety/damage inspection
- Road test vehicle long enough to test hot engine and drive over rough road (Bott dots) to test for rattles/squeaks
- When PDS is completed, sign Vehicle Delivery Certificate, located in the glove box

The following TSIBs are available on TIS:

Hybrid safety precautions
DCC fuse installation
Floor mat installation
Front license plate mounting bracket and license plate installation
Front wheel opening extension pad installation
Initialization of VGRS system
Long term vehicle storage guidelines
Maintenance for HV and auxiliary batteries
Tire inflation pressure compensation and adjustment
Tire positioning
Tire Pressure Warning System activation and initialization

To obtain PDS material:

Manual

- Download from TIS website or Lexus Customer Services website on Dealer daily
- Order from MDC, 00242-PDSGS-MAN14

Check Sheet

- Download and print from TIS website or Lexus Customer Services website on Dealer Daily, or
- Order from MDC, 00242-PDSGS-CK14, each packet contains 25 Check Sheets
- Sheet is two-sided, back side has procedure tips

Vehicle Delivery Certificate

- Order from MDC, 00242-TIQ14

Other PDS TSIBs

- Download from TIS website

Contact your District Service & Parts Manager if you have any questions.

POWER = ENGINE switch on gasoline vehicles

**2014MY
GS350/GS450h
Pre-Delivery
Service Manual**



PRECAUTIONS

The GS 450h has unique operating modes, so always follow the precautions below when performing the PDS operation:

- The GS 450h contains high voltage (up to 650 volts) AC and DC Systems. All high voltage wiring and connections are orange in color. Do not carelessly touch these orange colored wiring harnesses and connectors.
- The hybrid system may start up and shut down suddenly whenever the “READY” light is illuminated. Be sure to put the vehicle in “P”, apply the parking brake, and push the “POWER” switch OFF in order to stop the hybrid system (the “READY” light turns OFF), before working in the engine compartment.
- The hybrid transaxle, engine radiator, and inverter radiator may reach high temperatures during inspection. Carefully observe all caution labels and instructions on these components.
- Be sure to keep the vehicle in “P” at all times unless otherwise instructed. When the selector lever is in “N”, the hybrid vehicle battery will not charge even if the gasoline engine is operating.
- When leaving the vehicle, put the selector lever in “P”, apply the parking brake, and push the “POWER” switch OFF in order to stop the hybrid system (the “READY” light turns OFF).
- Air vents are located on the right rear seatback to cool the hybrid vehicle battery. Do not block these air vents.
- Do not splash water on the electric components in the engine compartment.

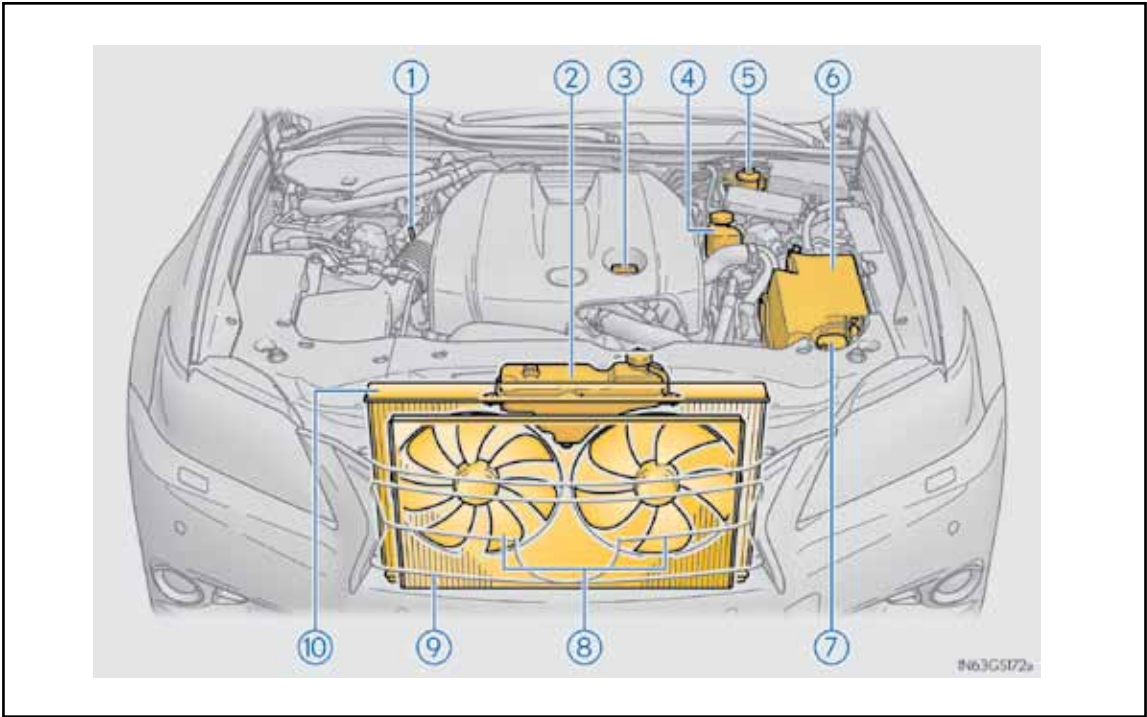
READ AND UNDERSTAND TSIB “Hybrid System Electrical Safety Precautions.”

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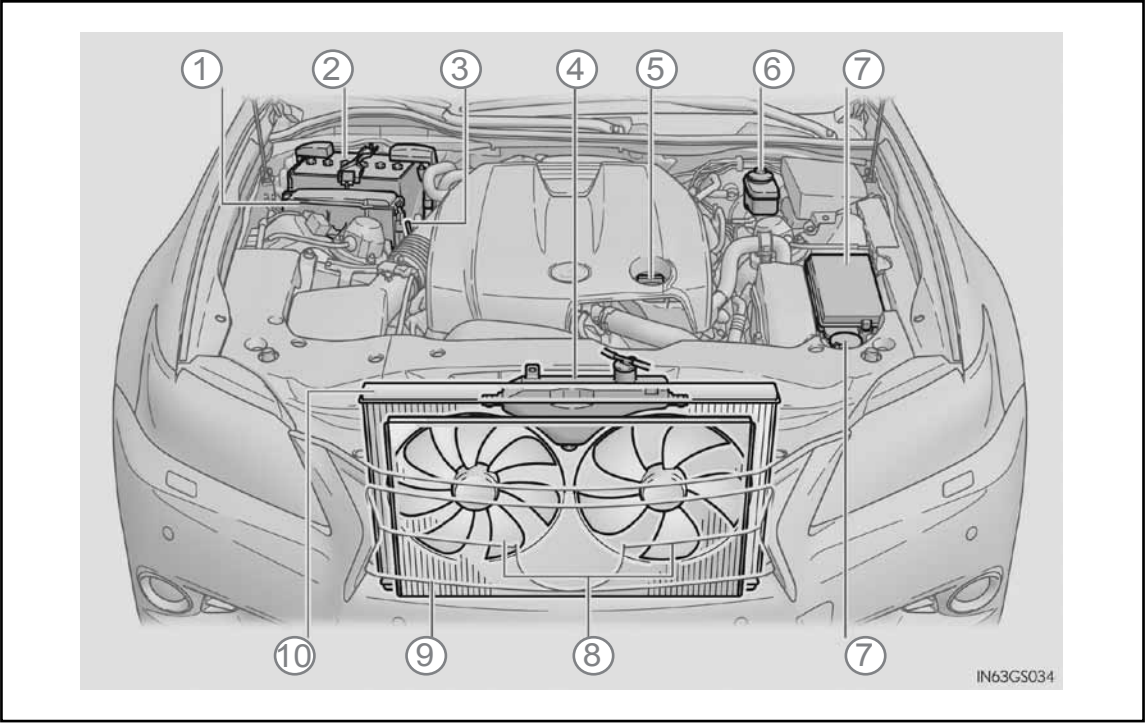
* If equipped



Hybrid Vehicles

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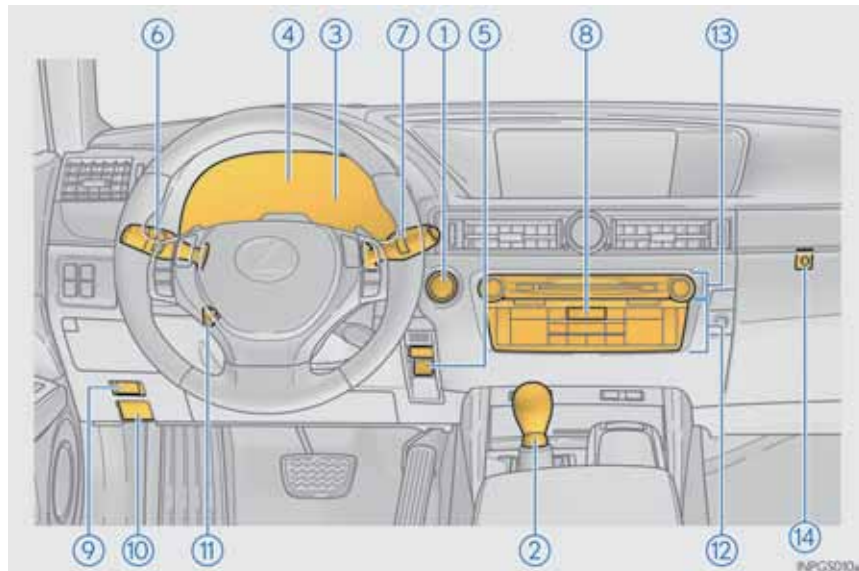
NOTE:
Install protective fender covers prior to beginning the under hood inspection.



Gasoline Vehicles

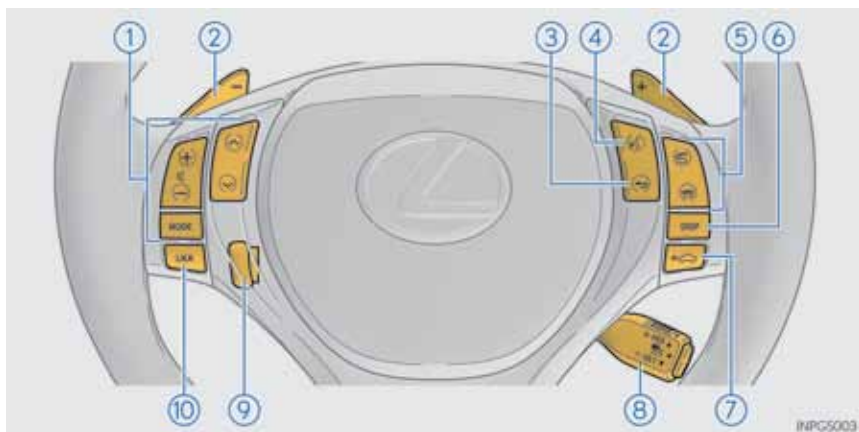
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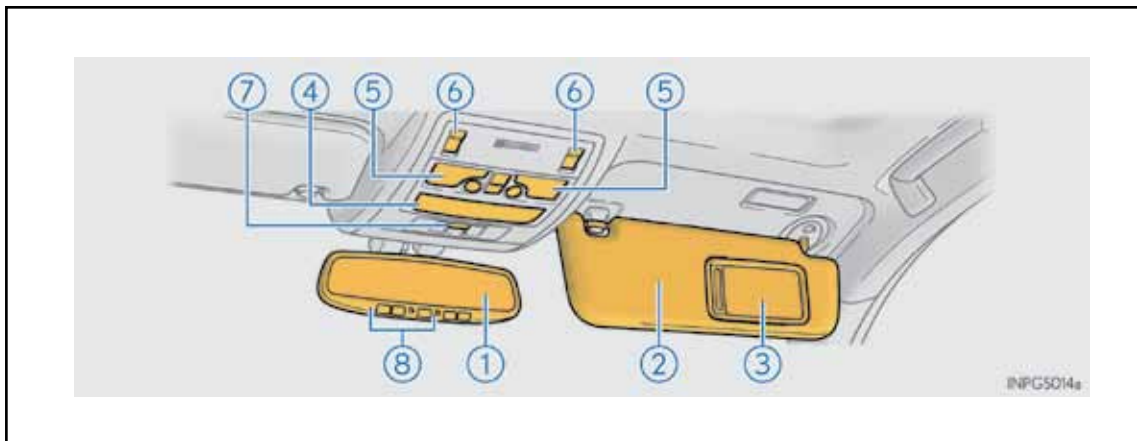
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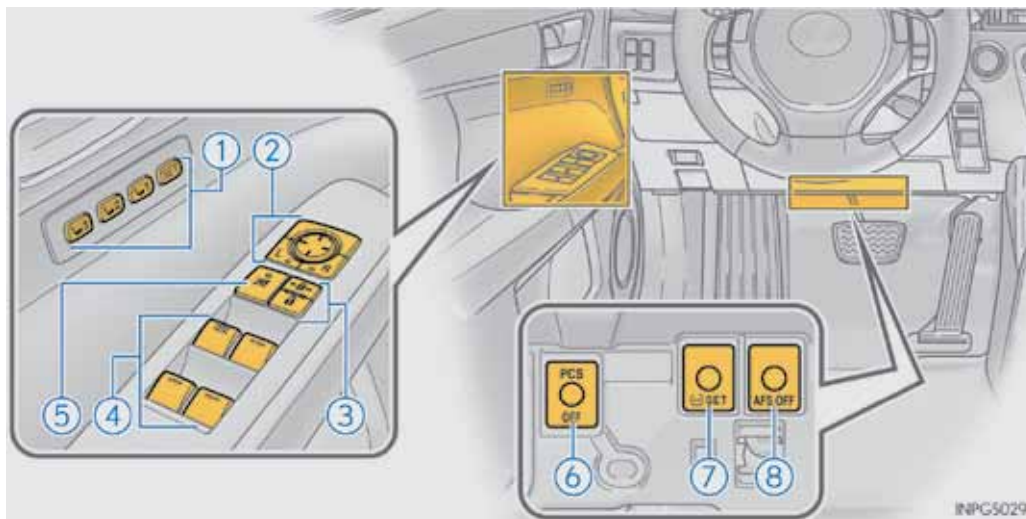
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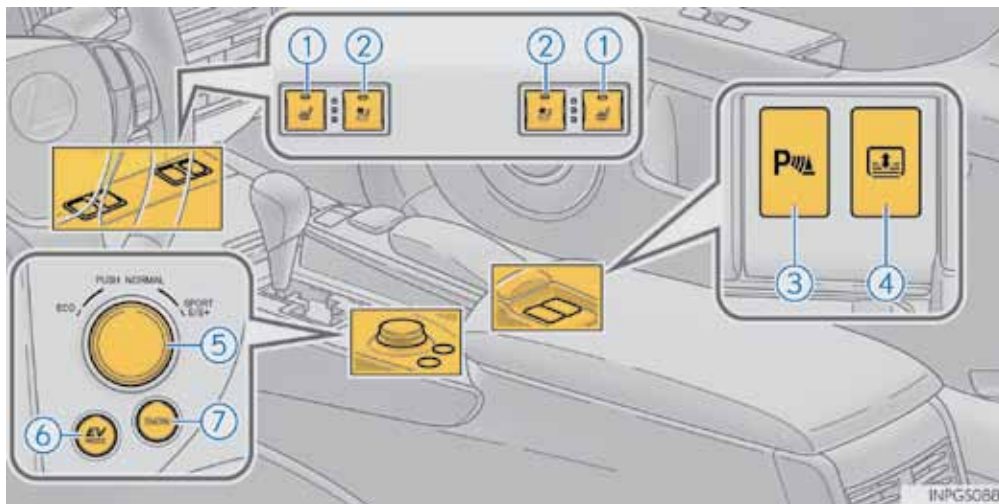
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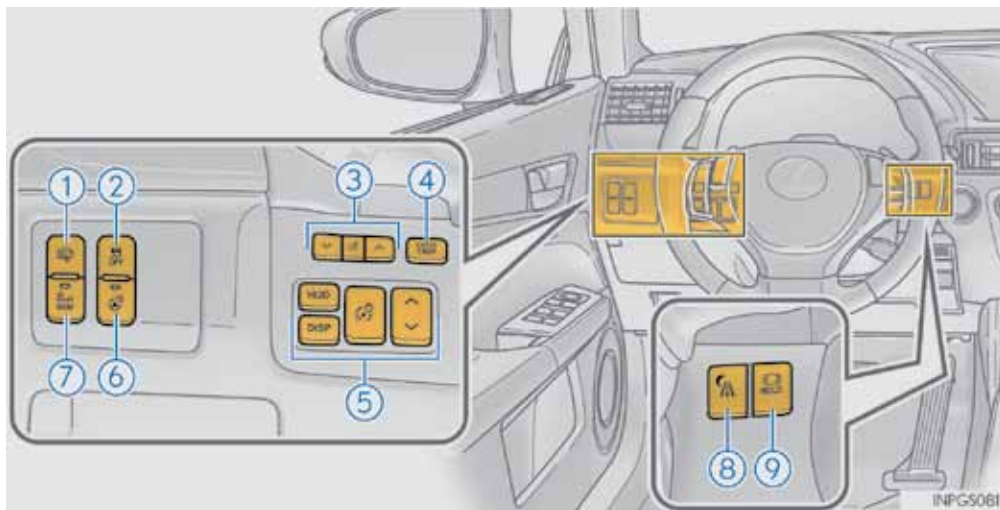
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INSPECTION DETAILS

WASHING VEHICLE

After washing vehicle, make sure all adhesive wrapping film is removed.

NOTE:

Hand washing is recommended.

WATER LEAK TEST

Visually and by hand check for water leaks in the vehicle interior from each of the following areas (make sure that the trim and floor carpet are not damp):

- a) Door glass weather strips
- b) Front cowl sides
- c) Around the windshield
- d) Around the moon roof area
- e) Around the quarter window
- f) Around the rear window

PAINT FINISH (PAINT DEFECT, DAMAGE)

Visually and by hand inspect all body panels (doors, trunk, fenders, engine hood, roof panel) for surface damage from shipment or any abnormalities (surface rust, paint flaking, chips, dents or scratches).

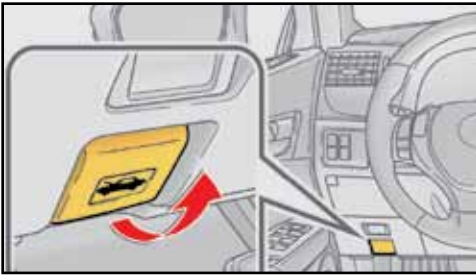
NOTE:

Use a well-illuminated area to clearly inspect all painted surfaces (800-lux illumination is recommended).

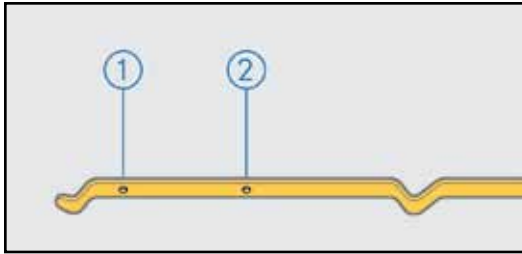
EXTERIOR PARTS FOR FIT

Visually and by hand check the following parts for proper installation, rust, fit, misalignment and loose items:

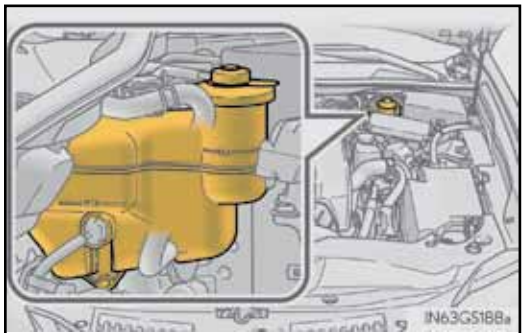
- a) Front and rear bumpers
- b) Window moldings (front, side and rear)
- c) Lexus emblems (front and rear)
- d) Outside rear view mirrors
- e) Headlights, turn signal lights, side marker lights, fog lights and tail light lenses
- f) Doors, engine hood and fuel filler door
- g) Moon roof
- h) Front/rear door panel protector
- i) Outside door handle
- j) Radiator grille



Hybrid Vehicles (Gasoline vehicles similar)



Hybrid Vehicles (Gasoline vehicles similar)



ENGINE HOOD RELEASE LEVER

Check that the opening and closing of the engine hood is smooth and that the latch operates properly using the engine hood release lever.

ENGINE OIL LEVEL (HYBRID/ENGINE SYSTEM NOT RUNNING)

- a) Remove the engine oil level dipstick and wipe it clean. Reinsert the dipstick and pull it out to check the oil level. The level should be between the two marks.

- ① Low
- ② Full

- b) Check the oil for dirt or impurities.

NOTE:

If the oil level is low, add specified engine oil and check for oil leaks.

BRAKE FLUID LEVEL

Visually check the fluid level through the reservoir. If the fluid level is low, replenish the brake fluid reservoir with FMVSS No. 116 DOT 3 or SAE J1703 brake fluid and check for fluid leaks. Brake fluid level should be the "MAX" line (within 0.2 in. [5.0 mm] below).

NOTE:

Refer to the *Repair Manual* for fluid specifications.

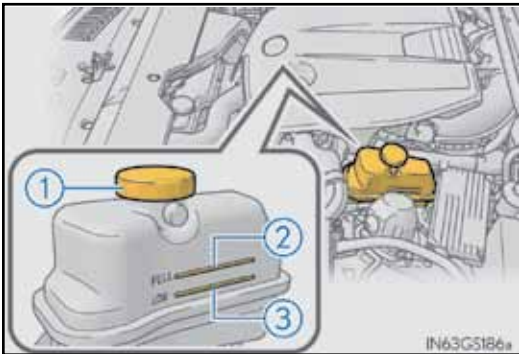
BATTERY TERMINAL TIGHTNESS AND CHARGE

- a) Check the electrolyte level. If the electrolyte level is low, check the battery case for leakage.

- b) Check the battery charge. Measure the open-circuit battery voltage between the terminals. If the voltage reading is less than 12.6 volts, recharge the battery.

INSPECTION DETAILS - A. ENGINE COMPARTMENT

c) Check that the battery terminals are properly connected and that the clamp is firmly installed.



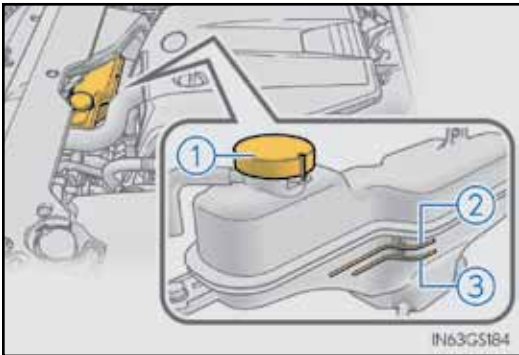
HYBRID SYSTEM POWER CONTROL UNIT COOLANT LEVEL *

Visually check the coolant level through the coolant reservoir tank when the engine is cool. The coolant level is satisfactory if the level is between the "FULL" and "LOW".

- ① Reservoir cap
- ② FULL
- ③ LOW

CAUTION:

To prevent burning yourself, do not remove the radiator cap when the Hybrid system is hot.



ENGINE COOLANT LEVEL

Visually check the coolant level through the coolant reservoir tank when the engine is cool. The coolant level is satisfactory if the level is between the "FULL" and "LOW".

- ① Reservoir cap
- ② FULL
- ③ LOW

CAUTION:

To prevent burning yourself, do not remove the radiator cap when the Hybrid system is hot.



WASHER FLUID LEVEL

Open the washer tank cap and visually check the washer fluid level in the washer tank. The fluid level should be filled within 2 inches of the cap.

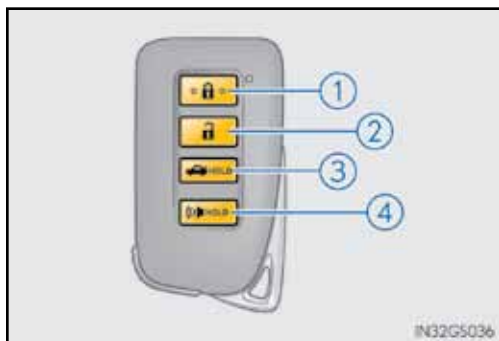
WIRING AND HOSES

- a) Check the hoses, hose connectors and various clamps for tightness.
- b) Visually inspect the condition of all harness connectors and terminals for proper installation and tightness.

* If equipped

WIRELESS REMOTE CONTROL

Inspect the five functions of the system.



- ① Locks all doors
- ② Unlocks all doors
- ③ Opens the trunk (Press and hold)
- ④ Sounds alarm (Press and hold)

a) Locking the doors

1. Close all the doors.
2. Press  on the electronic key to lock all the doors from outside the vehicle.

NOTE:

At this time, all the turn signal lights flash once sounding one beep. However, when you press  with any door not closed securely, the buzzer sounds continuously until all the doors are closed securely.

b) Unlocking the doors

1. Press  on the electronic key once to unlock the driver's door.
2. Press  once again within 3 seconds after the first pressing to unlock the other doors.

NOTE:

At this time, the interior light and outer foot lights come on and all the turn signal lights flash twice, sounding two beeps.

3. Check that all doors automatically re-lock after 60 seconds if any door is not opened.

c) Opening the trunk

Press and hold  to open the trunk.

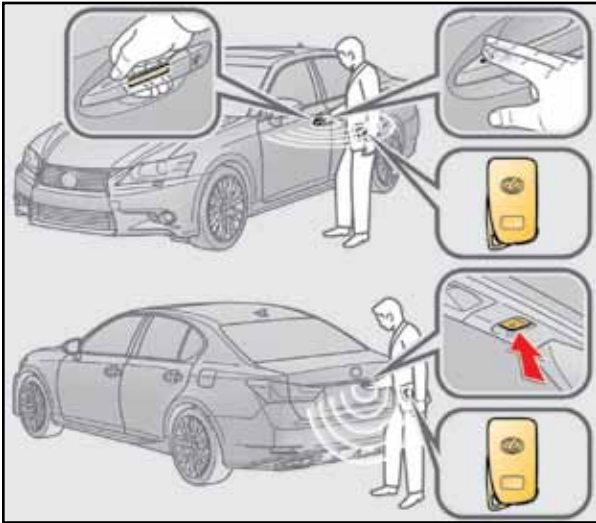
NOTE:

A buzzer sounds to indicate that the trunk is opening.

d) Sounding the alarm

1. Press and hold  to sound the alarm.
2. To stop the alarm, press any button.





SMART ACCESS SYSTEM

- a) With electronic key inside of the vehicle, touch the lock sensor (on the upper part of the door handle) and trunk lock button. Check that the buzzer sounds and that the doors do not lock.
- b) Take the electronic key and get out of the vehicle. Touch the lock sensor (on the upper part of the door handle). Check that the door locks.

NOTE:

Recognition signals for the lock operation will operate up to two consecutive times.

- c) From a distance of at least 2.3 ft. (0.7 m), approach the vehicle and pull the driver and passenger side door handles, and the trunk opener. Check that the door unlocks.

NOTE:

The doors cannot be unlocked for 3 seconds after the doors are locked.



THEFT DETERRENT SYSTEM

With the doors locked, check that the system operates properly.

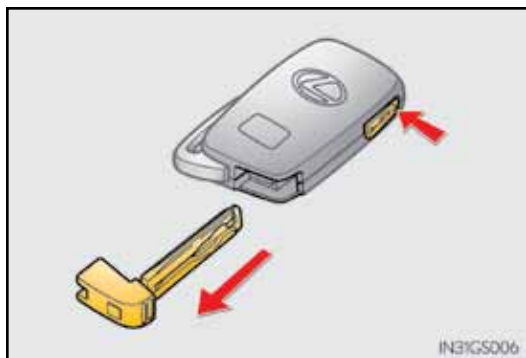
System Test:

- a) Open the windows.
- b) Lock the doors by smart access system, wireless remote control or mechanical key. Be sure to wait until the security light on the center panel starts flashing.
- c) Unlock one of the doors using the inside door lock. The system should activate the alarm (sounding of the horn, blinking of the headlights, tail lights and emergency flasher, lighting up interior light).
- d) Cancel the system by unlocking doors with the smart access system, wireless remote control or mechanical key.



IMMOBILIZER SYSTEM

- a) Check that the security indicator light flashes when the "POWER" switch is OFF.
- b) Check that the engine can be started using all the keys.
- c) Check that the security indicator light turns off when starting the engine.

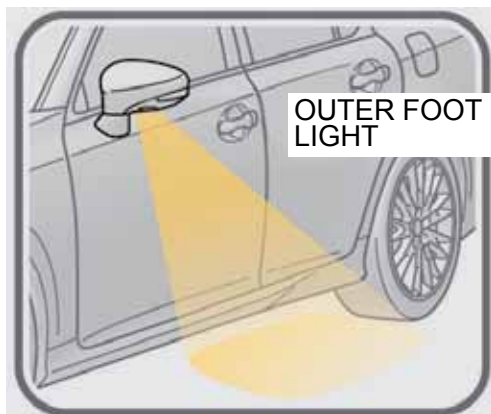
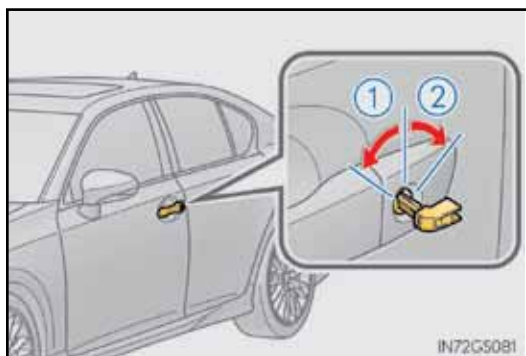


DOOR LOCK SYSTEM AND ILLUMINATED ENTRY SYSTEM

- a) Check that all doors open and close smoothly using the inside and outside door handles.
- b) Check that the doors cannot be opened by using the inside and outside door handles when the lock button is in the locked position (except front inside door handles).
- c) For front inside door handles: Check that the front doors can be opened by using the inside door handles when the lock button is in the lock position.
- d) Check exterior key lock control system operation by mechanical key (with driver's door).

- ① Locks all doors
- ② Unlocks the door (two-step unlock function):
 - 1. Turn the key once to unlock the driver's door.
 - 2. Turn the key twice to unlock all the doors.

- e) Check that the outer foot light illuminates when the door is opened.



REMOTE ENGINE STARTER*

- a) Starting the Engine
 - 1. Close and lock all doors.
 - 2. Quickly press  twice and then press and hold  for 3 seconds.

NOTE:

When the engine starts, the hazard lights will flash for 20 seconds.

- b) Stopping the Engine
 - 1. Press  or press and hold  for 2 seconds.

* If equipped

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Hybrid Vehicles (Gasoline vehicles similar)



POWER SUPPLY CHANGEOVER AND HYBRID/ENGINE START/STOP

Check for proper activation of the “POWER” switch.

Power supply changeover

- a) Carry the electronic key in the vehicle and apply the parking brake.
- b) Without depressing the brake pedal, press the “POWER” switch and change the power supply.

- 1. OFF
- 2. Press once: ACCESSORY mode
- 3. Press twice: “ON” mode
- 4. Press three times: OFF

- c) In each mode, check that the power supply has changed properly.

NOTE:

If the “POWER” switch illuminator blinks refer to the *Repair Manual*.

Hybrid system start/stop

- a) Carry the electronic key in the vehicle and apply the parking brake.
- b) Check that the “P” park switch is illuminated.
- c) When depressing the brake pedal, check that the green “POWER” switch illuminator comes on and push the “POWER” switch to start the hybrid system.

NOTE:

The “READY” indicator comes on and a beep sounds.

- d) Push the “POWER” switch regardless of brake position to stop the hybrid system.

NOTE:

If the hybrid system is stopped with the vehicle in a position other than “P”, the power supply mode is switched to the ACCESSORY mode, not to OFF and the battery will deplete.

- e) Use the “POWER” switch to set “READY” mode (leave in “READY” mode until front bumper process).

Engine start/stop

- a) Carry the electronic key in the vehicle and apply the parking brake.
- b) Check that the shift lever is in the “P” position.
- c) While depressing the brake pedal, press the “ENGINE” switch.

EXTERIOR LIGHTS

Walk around the vehicle and check that the following lights illuminate:

- a) Headlights
- b) Parking lights and daytime running lights
- c) Front side marker lights
- d) Side turn signal lights
- e) Stop/tail lights
- f) Tail lights
- g) Rear side marker lights
- h) High mounted stoplight
- i) License plate lights
- j) Outer foot lights

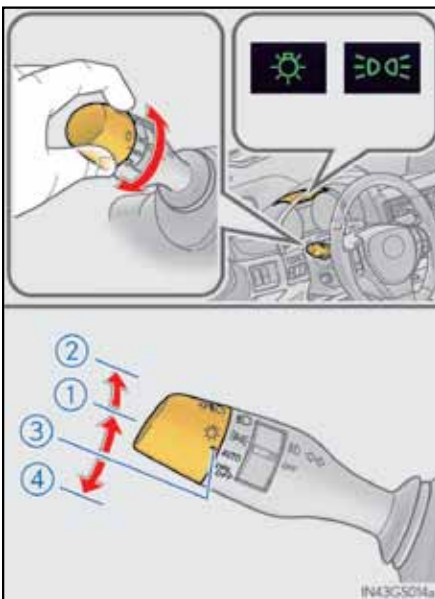
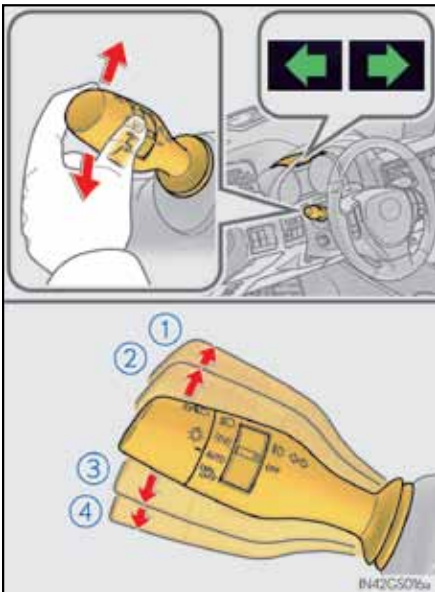
TURN SIGNAL, HEADLIGHT, HIGH BEAM, FOG LIGHTS AND EMERGENCY FLASHER INDICATOR LIGHTS

- a) Check that the turn signal indicator lights on the instrument panel illuminate when the turn signal lever is moved up or down.

- ① Right turn
- ② Move and hold the lever part way to signal a lane change (Right)
- ③ Move and hold the lever part way to signal a lane change (Left)
- ④ Left turn

- b) Check that the headlight or tail light indicator light illuminates when the headlight switch is on.

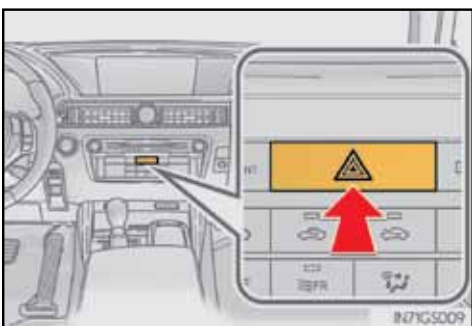
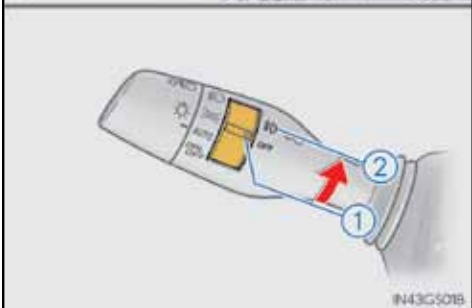
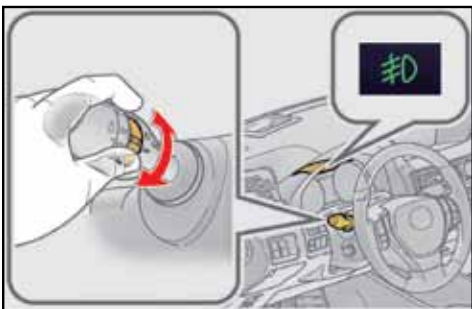
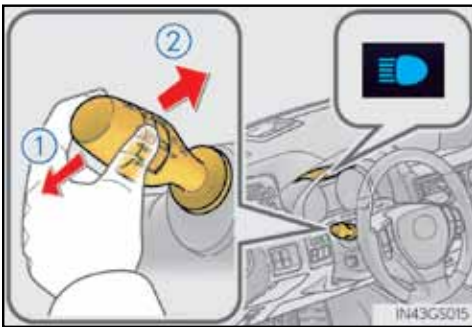
- ① The headlights and side marker, parking, tail, license plate and instrument panel lights turn on and off automatically. (When the "POWER" switch is in ON mode.)
- ② The side marker, parking, tail, license plate, daytime running lights and instrument panel lights turn on.
- ③ The headlights and all lights listed above turn on.
- ④ Turn off the daytime running light system.



INSPECTION DETAILS - B. LOCKS AND LIGHTS

NOTE:

- Headlights automatically turn off 30 seconds after the "POWER" switch is turned to the ACCESSORY mode or turned off and the driver's door is opened and closed.
- When only the tail lights come on, the lights automatically turn off with the driver's door opened and the "POWER" switch turned to the ACCESSORY mode or turned off.



c) Check operation of the automatic light control function.

d) Check that the high beam indicator light illuminates when the high beams are on.

- ① With the headlights on, push the lever forward to turn on the high beams.
- ② Pull the lever toward you and release it to flash the high beams once.

e) Check that the front fog lights are on when the front fog light switch* is turned on with the headlights on.

- ① OFF
- ② ON

f) Check that the turn signal lights and turn signal indicator lights blink when the emergency flasher switch is on.

HEADLIGHT AIM

If headlight aim is not correct, see *Repair Manual* for headlight aim procedure.

* If equipped

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INTERIOR PARTS FOR DAMAGE AND FIT

Visually inspect the following interior parts for dirt, damage, and proper fit and alignment:

- a) Instrument panel, dashboard and glove box
- b) Roof headliner, pillar, roof side garnish and sun visors
- c) Door trim and quarter trim panels
- d) Seat upholstery and floor carpeting
- e) Console box
- f) Steering wheel

PRE-COLLISION SYSTEM*

Check that the "PCS" warning light turns on when pre-collision is disabled.

- ① Pre-collision system enabled.
- ② Pre-collision system disabled.



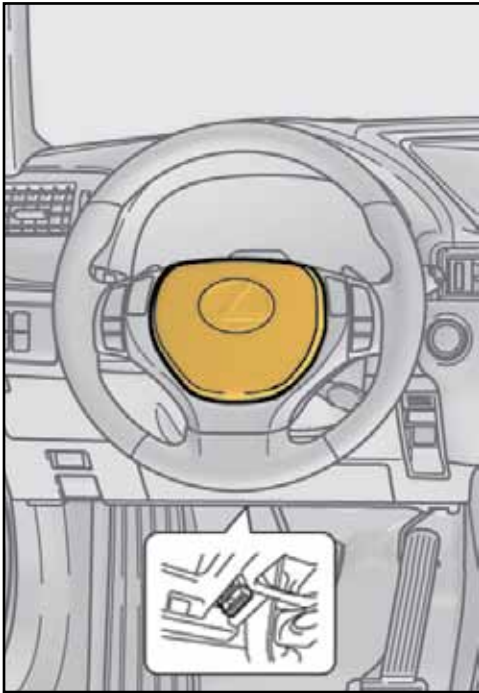
ADAPTIVE FRONT-LIGHTING SYSTEM*

Check that the indicator light will illuminate when Adaptive Front-Lighting System is deactivated.



* If equipped

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ON-BOARD DIAGNOSTIC SYSTEM OPERATION

Using the “Techstream”, check the on-board diagnostic system function.

For details of this procedure, refer to the engine troubleshooting section of the *Repair Manual*.



SEAT BELT

Check seat belt operation.

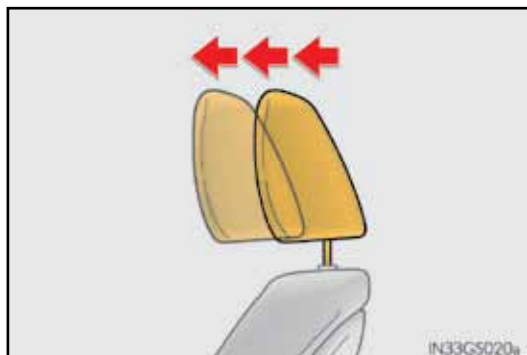
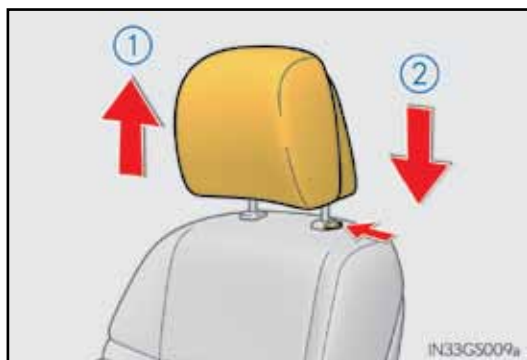
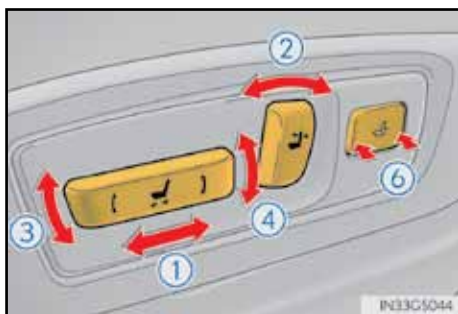
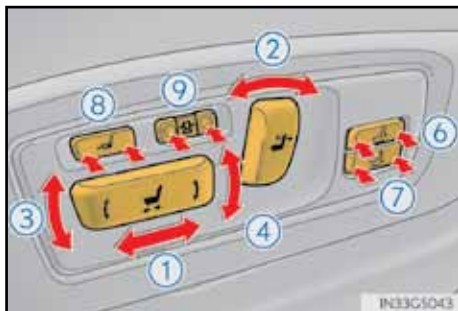
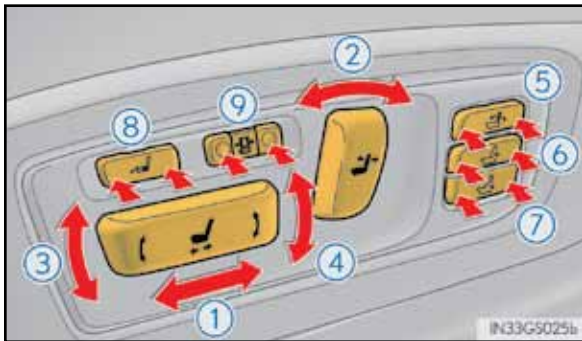
- a) Check that the belt extends and retracts smoothly.
- b) Check that the belt length is not twisted.
- c) Check that the buckle locks securely and releases smoothly.
- d) Check that the adjustable seat belt anchor operates properly and that it securely locks in position.

SEAT ADJUSTMENT

Check seat adjustment operation.

a) Power Seat Adjustment

- ① Seat position adjustment
- ② Seatback angle adjustment
- ③ Seat cushion angle adjustment
- ④ Vertical height adjustment
- ⑤ Seatback upper angle adjustment*
- ⑥ Lumbar support adjustment
- ⑦ Pelvic support adjustment*
- ⑧ Seat cushion length adjustment*
- ⑨ Seatback side support adjustment*

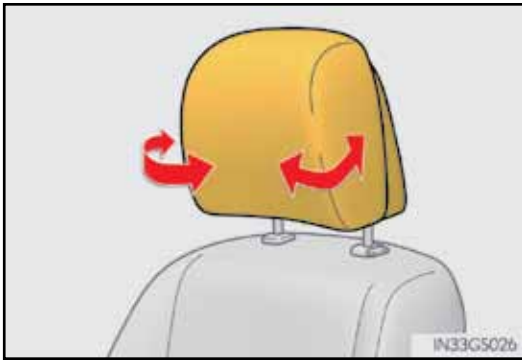


b) Head Restraint Adjustment

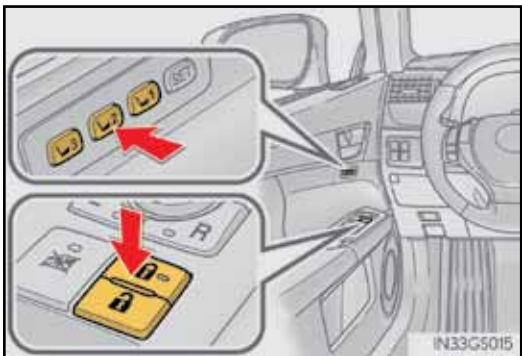
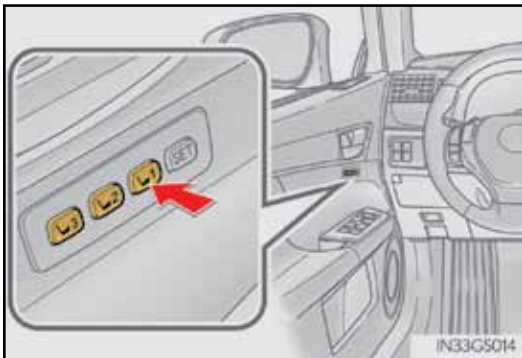
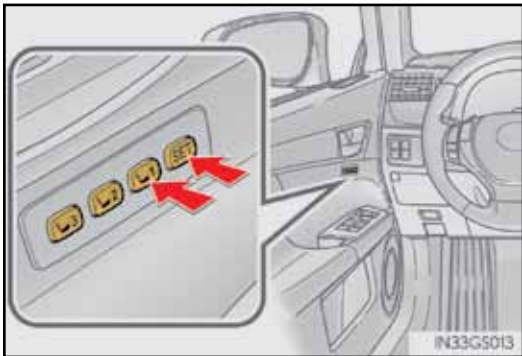
- ① Up
Pull the head restraints up.
- ② Down
Push the head restraint down while pressing the lock release button.

c) Angle Adjustment *

* If equipped



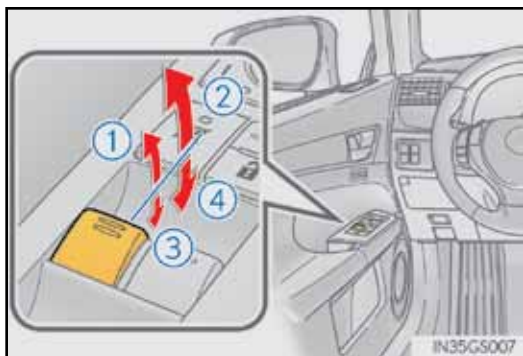
d) Side Support Adjustment *



DRIVING POSITION MEMORY SYSTEM

- a) With the "POWER" switch in the "ON" mode and the shift lever in the "P" position, check the operation:
1. Adjust the driver's seat and outside rear view mirrors to the desired positions.
 2. While pressing the "SET" button, press down the button "1", "2" or "3" until a beep is heard.
 3. Check all buttons (1, 2 and 3) to make sure that all memorized settings operate correctly.
- b) With the shift lever in the "P" position, close the driver's door and turn the "POWER" switch to "ON" mode.
1. Register a driving position to the button "1", "2" or "3".
 2. Do not carry more than one key (including a card key*) when registering. While pressing the button "1", "2" or "3", press the driver's door lock switch (either lock or unlock switch) until a signal beeps.
 3. Unlock the driver's door using the entry function or wireless remote control, open the driver's door, and check that the stored driving position is recalled.

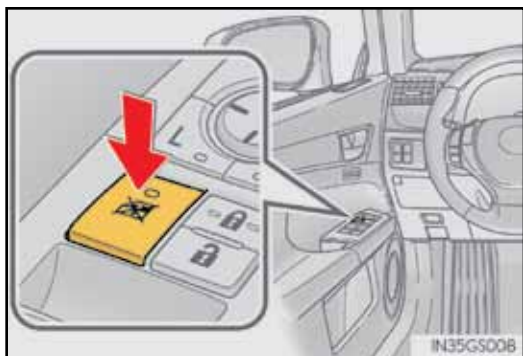
* If equipped



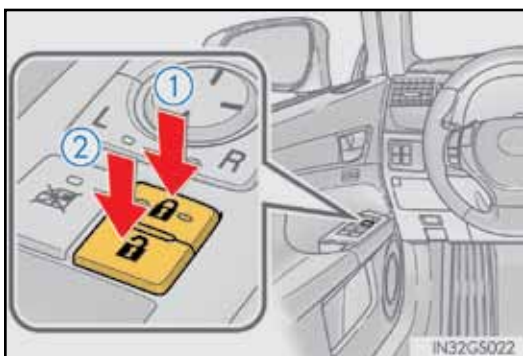
POWER WINDOWS AND DOOR LOCKS

a) With the “POWER” switch in the “ON” mode, operate the power window switch. Check that the power window up and down operation is smooth.

- ① Closing
- ② One-touch closing
- ③ Opening
- ④ One-touch opening



b) Check that the windows (other than the driver's window) cannot be operated when the window lock switch is on.



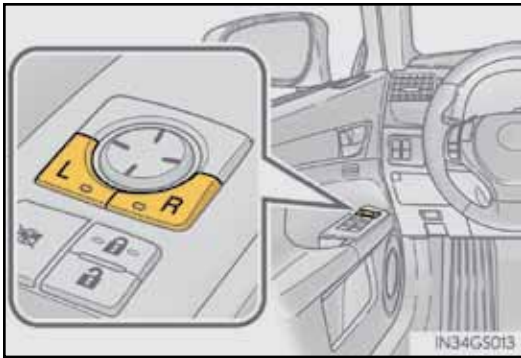
c) Check operation of the power door lock switch.

- ① Locks all doors
- ② Unlocks all doors

d) With the doors closed, check that the power windows can be fully operated after the “POWER” switch has been switched to the ACCESSORY or OFF mode.

NOTE:

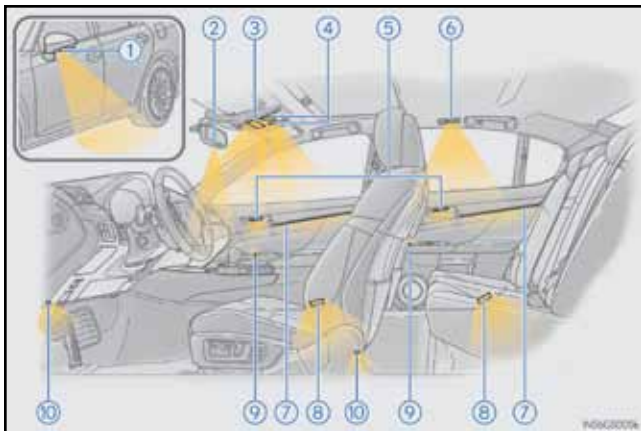
This feature is canceled after 45 seconds or if either front door is opened.



OUTSIDE REAR VIEW MIRRORS

- a) Check power outside rear view mirrors operation with the "POWER" switch in the ACCESSORY or "ON" mode.
1. Press the master switch "L" (left) and "R" (right) and press the control switch in the desired direction (up, down or side-to-side). Check that the mirrors operate smoothly.
- b) Check the operation of the mirror defoggers. Press the rear window and outside rear view mirror defogger switch with the "POWER" switch in the "ON" mode, check by hand that the rear window and rear view mirrors become hot.

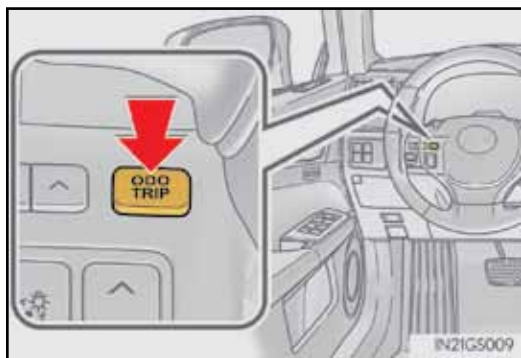




INTERIOR LIGHTS

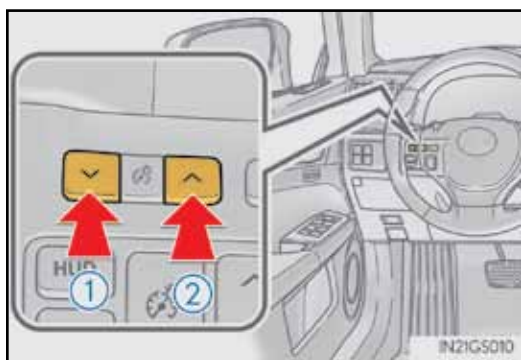
Check operation of the following interior lights:

- ① Outer foot lights
- ② Shift lever light
- ③ Interior light
- ④ Front personal lights
- ⑤ Inside door handle lights
- ⑥ Rear personal lights
- ⑦ Ornament lights
- ⑧ Door courtesy lights
- ⑨ Power window switch lights
- ⑩ Footwell lights



ODOMETER AND TRIP METER DISPLAY

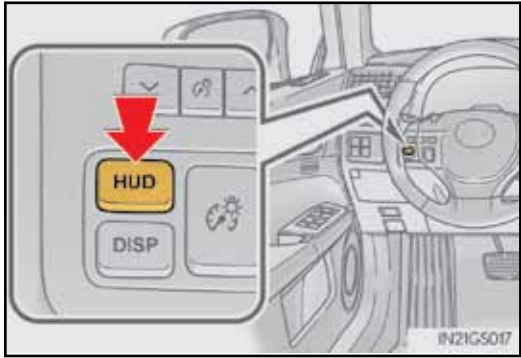
Check operation of the odometer and trip meter display switch.



INSTRUMENT PANEL LIGHT CONTROL

Check that the instrument panel light control switch operates properly.

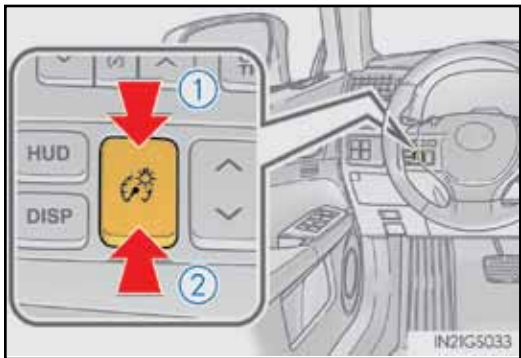
- ① Darker
- ② Brighter



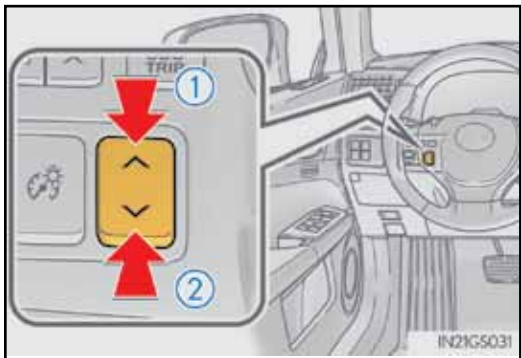
HEAD-UP DISPLAY*

- a) Press the head-up display main switch, check that the head-up display is displayed on the driver's side windshield and vehicle speed display units change as follows:

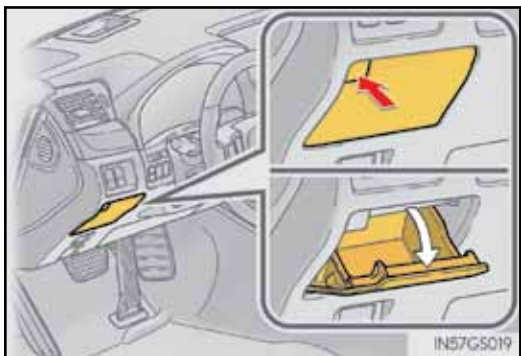
OFF → ON (mph → ON (km/h) → OFF



- b) Check that the head-up display brightness adjustment switch operates properly.



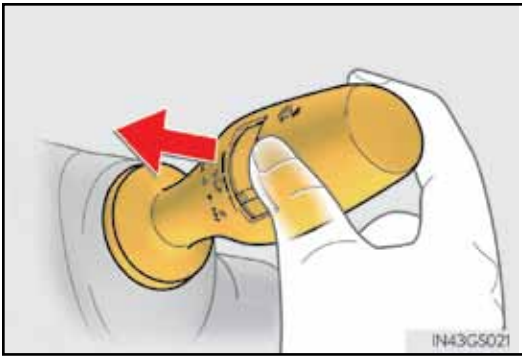
- c) Check that the head-up display position adjustment switch operates properly.



AUXILIARY BOX

Check that the auxiliary box opens and closes smoothly and that it does not make any noise during operation.

* If equipped
GS350/GS450h



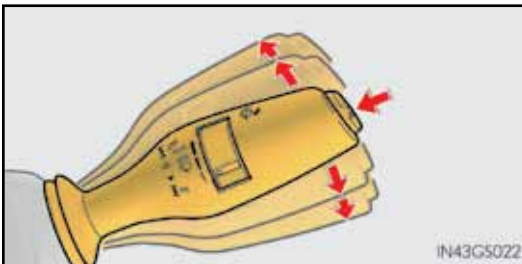
WINDSHIELD WIPERS AND WASHER

With the "POWER" switch in the "ON" mode:

- a) Push the lever toward you and check that washer fluid squirts onto the proper area of the windshield and that wipers are activated. Wipers will make one additional pass after a 3-second delay.
- b) Check wiper speed operation on mist, intermittent, low and high cycles. Check that the wiper blades wipe off the washer fluid cleanly.
- c) The wipers should not make any abnormal noise when operating.



Intermittent Type



Rain-sensing Type

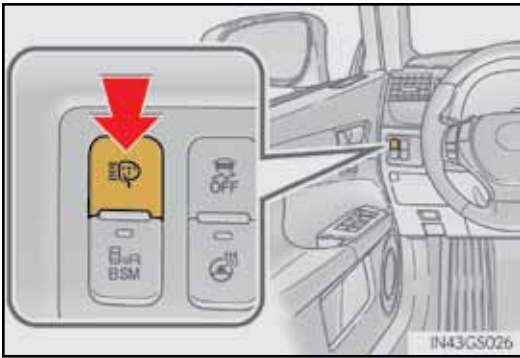
NOTE:

- Intermittent Type --- The frequency of the intermittent can be adjusted by turning the knob.
- Rain-sensing Type --- The sensitivity of the sensor can be adjusted by turning the knob.
- Add washer fluid up to the proper level.



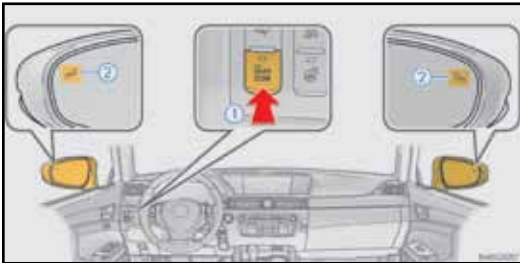
Rain-sensing Type

- d) With the wiper switch lever in the "AUTO" position, splash the water on the windshield around the windshield sensor and check that the wipers operate.



HEADLIGHT CLEANER*

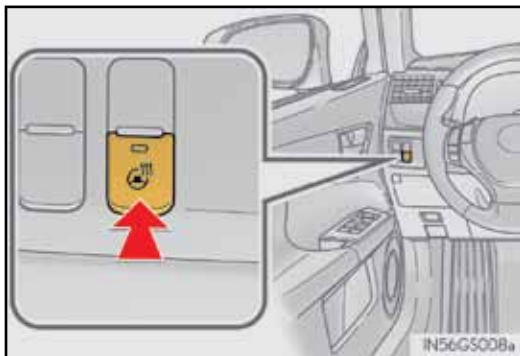
With the "POWER" switch in the "ON" mode and the headlights on, push the headlight cleaner switch and check that washer fluid splashes on the headlights.



BLIND SPOT MONITOR*

With the "POWER" switch in the "ON" mode, check that the switch's indicator light illuminates when the switch is pressed.

- ① BSM main switch
- ② Outside rear view mirror indicator



HEATED STEERING WHEEL*

With the "POWER" switch in the "ON" mode, check that the steering wheel heats when the heater button is pressed.

* If equipped

WARNING LIGHTS AND INDICATOR LIGHTS

- a) With the “POWER” switch in the “ON” mode, check that each warning and/or indicator light operates properly.
- b) With the “POWER” switch in the “ON” mode, check that the following warning and/or indicator lights turn on and then go off after a few seconds:
- Slip indicator light
 - ABS warning light
 - SRS airbag warning light
 - Tire pressure warning light
 - Master warning light
 - PCS (Pre-Collision System) warning light
 - Brake system warning light
 - Electric power steering system warning light
 - Charging system warning light
 - Malfunction indicator lamp
 - SRS airbag on-off indicator light (on the center panel)
 - AFS off indicator light*
 - Low fuel level warning light
 - Open door warning light
 - Driver’s seat belt warning light



Refer to “Warning Lights and Buzzers” on page 21 for details.



* If equipped

Warning Light and Buzzer

Light/Buzzer		Function/Condition
	Brake System Warning Light and buzzer	Brake system warning light • Low brake fluid • Malfunction in the brake system
	Brake System Warning Light	Indicates a malfunction in the parking brake system
	Seat Belt Reminder Light and Buzzer	The driver's and front passenger's seat belt reminders sound to alert the driver and front passenger that his or her seat belt is not fastened. The buzzer sounds intermittently for 10 seconds after the vehicle has reached a speed of at least 12 mph (20 km/h). Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.
	SRS Warning Light	Indicates a malfunction in: • The SRS airbag system. • The front passenger occupant classification system. • The seat belt pretensioner system.
	Charging System Warning Light	Indicates a malfunction in the vehicle's charging system.
	Malfunction Indicator Lamp	Indicates a malfunction in: • The electronic engine control system. • The electronic throttle control system. • The electronic automatic transmission control system
	Low Engine Oil Pressure Warning Light	Indicates that the engine oil pressure is too low
	High coolant temperature Warning Light	Changes from a flashing to a solid light when the engine coolant temperature increases.

INSPECTION DETAILS - C. LEFT FRONT

Light/Buzzer		Function/Condition
	Master Warning Light	A buzzer sounds and the warning light comes on or flashes to indicate that the master warning system has detected a malfunction. If the master warning light comes on, a message appears on the multi-information display.
	ABS (Anti-lock Brake System) Warning Light	The light comes on when the "POWER" switch is in the "ON" mode and will go off after 3 seconds. This means that the system is operating properly. This light warns that there is a problem somewhere in the ABS and the brake assist system.
 (Flashing)	PCS (Pre-Collision System) Warning Light	The light warns that there is a problem somewhere in the PCS. The light comes on when the "POWER" switch in the "ON" mode. If the system works properly, the light turns off after a few seconds.
	Tire Pressure Warning Light	Indicates low tire pressure. When the light stays on after blinking for 1 minute, it indicates a malfunction in the tire pressure warning system.
	Open Door Warning Light and Buzzer	Indicates that a door or the back door is not fully closed. When the vehicle reaches a speed of 3 mph (5 km/h), a buzzer sounds to alert that one or more doors are not fully closed.
	Electric Power Steering System Warning Light	This light comes on when the "POWER" switch is selected in the "ON" mode and goes off when the hybrid system is started. This means that the system is operating properly. This light warns that there is a problem somewhere in the electric power steering system. Also when the battery charge is not enough or the electricity temporarily decreases, the light might come on.

INSPECTION DETAILS - C. LEFT FRONT

Light/Buzzer		Function/Condition
	Low Fuel Level Warning Light	Indicates remaining fuel is approximately 2.6 gal. (10.0L, 2.2 Imp.gal.) or less
	Slip indicator light	Indicates a malfunction in: • Vehicle stability control • Traction control • Hill-start assist control
	Automatic headlight leveling system warning light	Indicates a malfunction in the automatic headlight leveling system

Warning Message (on the Multi- Information Display)

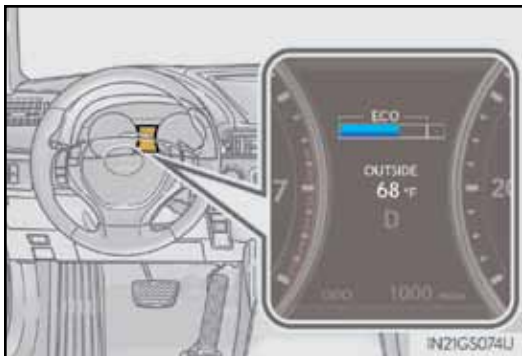
The multi-information display shows warning of system malfunctions, incorrectly performed operations, or shows messages that indicate a need for maintenance. When a message is shown, perform the correction procedure appropriate to the message.



① Master warning light

The master warning light comes on or flashes when a message is being shown on the multi-information display.

② Multi-information display



MULTI-INFORMATION DISPLAY

The multi-information display provides information on vehicle driving conditions and warning messages.

Trip information

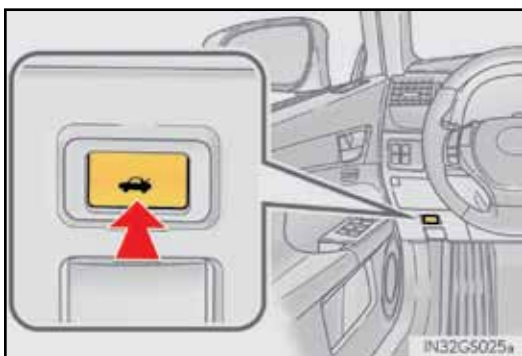
a) Press the “DISP” button and cycle through the following modes:

1. Eco driving
2. Outside Temperature
3. Current fuel consumption
4. Average fuel consumption after refueling
5. Average fuel consumption
6. Average vehicle speed
7. Driving Range
8. Tire Inflation Pressure*

b) Open any door and trunk, and check that the opening condition indicator is displayed.

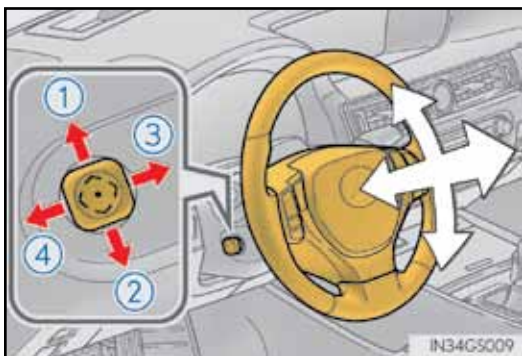
NOTE:

Refer to the multi-information display section in the vehicle's **Owner's Manual** for a comprehensive list of the system's functions and displays.



TRUNK OPENER BUTTON

Check operation of the trunk opener button.



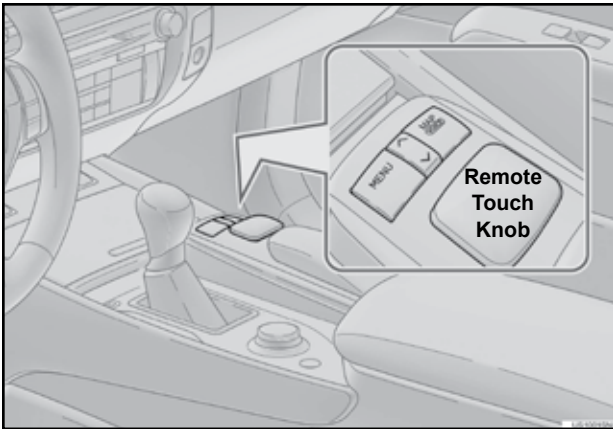
TILT AND TELESCOPIC STEERING WHEEL

Check steering wheel adjustment operation:

- ① Up
- ② Down
- ③ Toward the driver
- ④ Away from the driver

* If equipped

GS350/GS450h



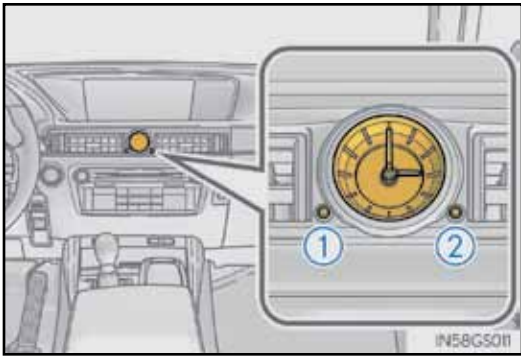
AIR CONDITIONING AND HEATER

Warm up the engine and check for smooth operation of each control:

Press the "MENU" button. Select "Climate" and push the remote touch knob to display icons for automatic air conditioning control. Confirm that "3-zone" button* is OFF.

- a) Select high fan speed and set the temperature to 85 °F (29.5 °C) with the "TEMP" button.
- b) Press the windshield defogger button and check that hot air flows out of the front defroster vents.
- c) Select "FOOT" air flow mode and check that hot air flows out of the foot vents.
- d) Check that the air flow volume changes when the fan speed button is pressed.
- e) Press the "AUTO" button followed by the "3-ZONE" button* (indicator on) and lower the temperature of the driver's side by pressing the "TEMP" button.
- f) Set the temperature of the driver's side to 65 °F (18.5 °C).
- g) Check that the display of the airflow mode and the air flow volume changes automatically by changing the temperature in auto mode.
- h) Check that the temperature of the passenger side remains at 85 °F (29.5 °C).
- i) Select "FACE" air flow mode.
- j) Check that cool air flows out of the driver's side center vent and hot air flows out of the passenger's side center vent.
- k) Press the "3-ZONE" button* (indicator off) and check that cool air flows out of both center vents. Set the temperature to 72 °F (22.2 C).
- l) If not equipped with rear controls, check that cool air flows out of the side vents and the rear console box vents. If equipped with rear controls, "AUTO" mode must be ON.
- m) Check outside temperature display
- n) Press and hold the "OFF" button.
- o) Turn on the rear window defogger switch and check that the indicator light illuminates.
- p) Press the "AUTO" button.
- q) Press the windshield wiper de-icer button* and check for proper operation.

* If equipped



SET CLOCK

Set the clock to the proper time.

- ① Press and hold to move the clock hands backward.
- ② Press and hold to move the clock hands forward.

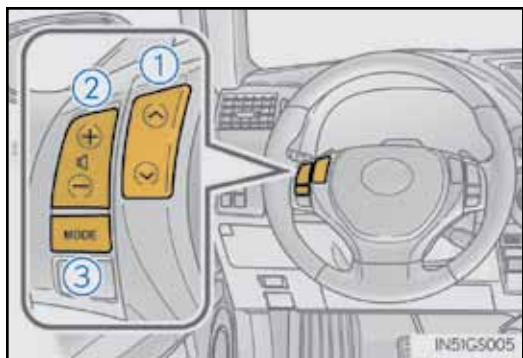


AUDIO SYSTEM

- a) With the "POWER" switch in the ACCESSORY or "ON" mode, press the "RADIO" button and check for proper operation of both AM and FM stations.
- b) Pre-set all the station memory buttons to local broadcast frequencies.
- c) Check that XM audio is active.
- d) CD and DVD player should be inspected for proper operation.



- e) USB and AUX port should be inspected for proper operation.



STEERING WHEEL AUDIO SWITCHES

a) With the “POWER” switch in the ON mode, check the following switches:

③ Turns the power on, selects audio source

b) Check that audio volume changes when the volume button on the steering wheel is pressed.

② Volume

c) Check that the select function for each mode works properly.

① RADIO mode:

Selects a radio station

CD mode:

Selects tracks, files (MP3 and WMA) and discs

DVD mode:

Selects a chapter

Bluetooth® audio mode:

Selects a track and album

iPod® player mode:

Selects a track

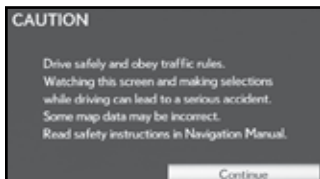
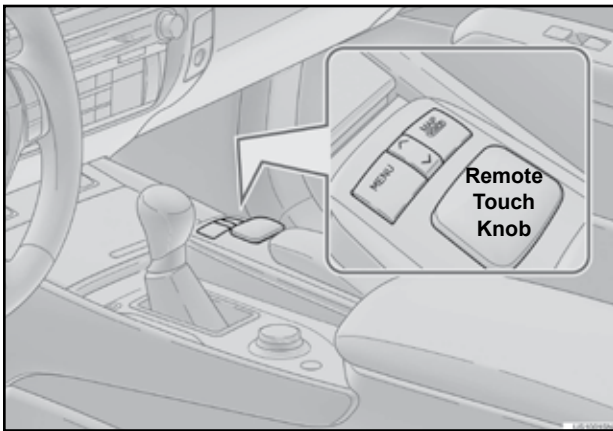
USB memory player mode:

Selects a file and folder

STEERING WHEEL SWITCHES

Check the following steering wheel switches:

1. Volume
2. Off-hook switch
3. On-hook switch
4. Talk switch
5. Back switch
6. Paddle shift switches



LEXUS NAVIGATION SYSTEM*

- a) With the "POWER" switch in the ACCESSORY or ON mode, check that the initial "LEXUS" screen appears for a few seconds and then changes to the "CAUTION" screen.

NOTE:

"CAUTION" screen appears if map or destination screen was displayed during last use.

- b) Press the "MENU" button and select the "Destination", "Info. Apps", "Setup", "Radio", "Media", "Climate" and "Phone" icon. Push the remote touch knob and check that the display changes.

NOTE:

After about 5 seconds, the "CAUTION" screen automatically switches to the map screen. When the "MAP/VOICE" button is pressed, the map screen is displayed.

XM NAVWEATHER®*

This service is active on all new Lexus vehicles with navigation systems. To confirm activation, press the "MENU" button, select "Info.Apps" then select "XM NavWeather."

NOTE:

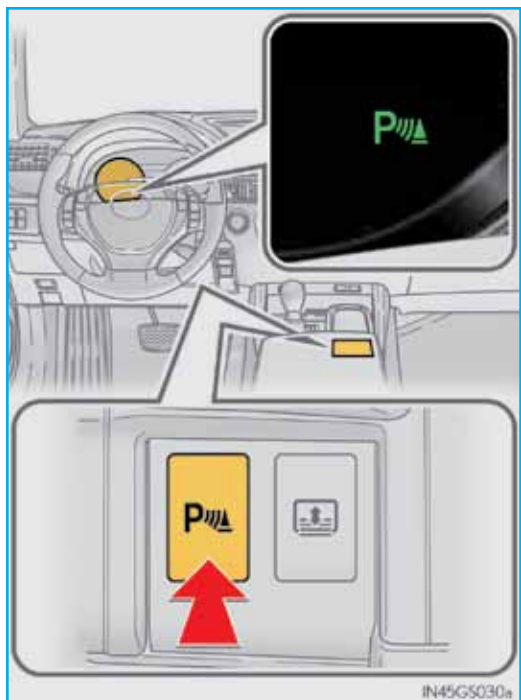
If service is currently unavailable, the navigation screen will show the following pop-up message: "XM signal not available or active XM subscription needed."

This means one of the following:

- a) XM tuner is looking for active subscription confirmation from XM.
- b) XM Data is not received by the vehicle after vehicle startup. (XM signal is most likely blocked, allow vehicle to idle in an unobstructed area for approximately 3 minutes.)
- c) 90-day trial subscription has expired.

Consult TIS for further diagnosis and repairs.

* If equipped



INTUITIVE PARKING ASSIST*

This procedure is performed by placing safety cones at 6 points:

- a) With the "POWER" switch in the "ON" mode, press the intuitive parking assist switch.
- b) Check that the indicator light illuminates and the buzzer sounds.

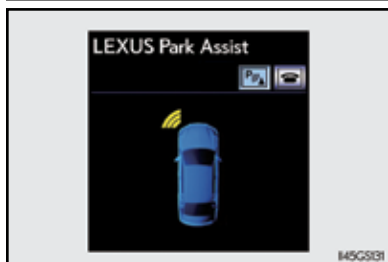
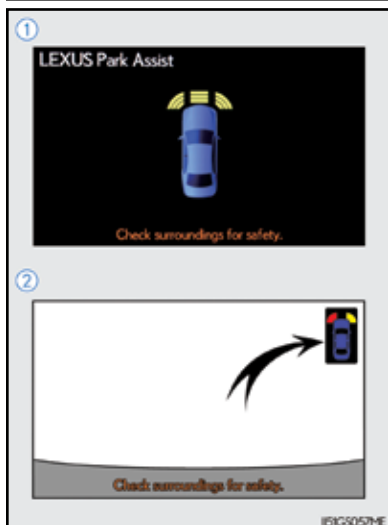
c) The safety cones gradually approach the vehicle.

- ① About 3.3 ft. (100 cm)
- ② About 4.9 ft. (150 cm)
- ③ About 2.0 ft. (60 cm)
- ④ About 1.8 ft (55 cm)

d) Check that the buzzer sounds and the indicator bar is displayed on the screens.

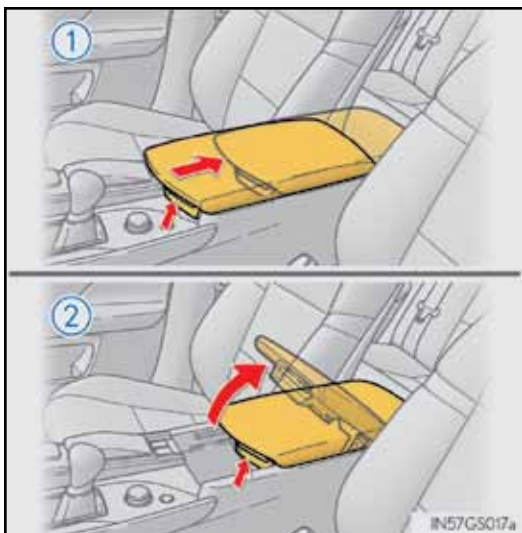
- ① Front corner sensor operation
- ② Front center sensor operation
- ③ Rear corner sensor operation
- ④ Rear center sensor operation

Check that the interval of the buzzer shortens and ultimately changes to a continuous sound as the obstacle is approached.



* If equipped

GS350/GS450h



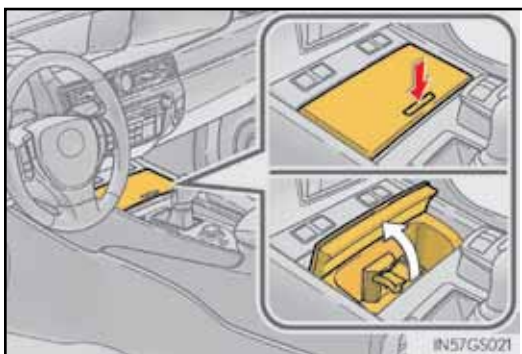
CONSOLE BOX

a) Check that the console box opens and closes smoothly and that it does not make any noise during operation.

- ① Half-open
- ② Fully open



b) Check that the tray slides forward/backward and can be removed.



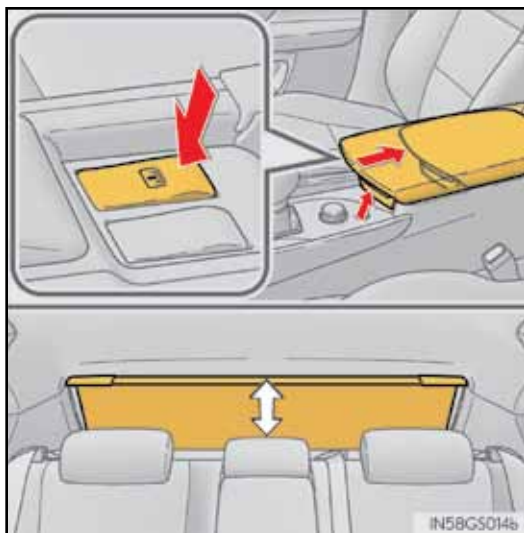
CUP HOLDERS

Check that the cup holders (front) open and close smoothly and that they do not make noise during operation.



POWER OUTLET (12V)

With the "POWER" switch in the ACCESSORY or "ON" mode, check the power outlet using an electrical accessory designed for this use.



REAR SUNSHADE*

With the "POWER" switch in the "ON" mode, check that the rear sunshade raises and lowers smoothly.



SEAT HEATERS* AND VENTILATORS*

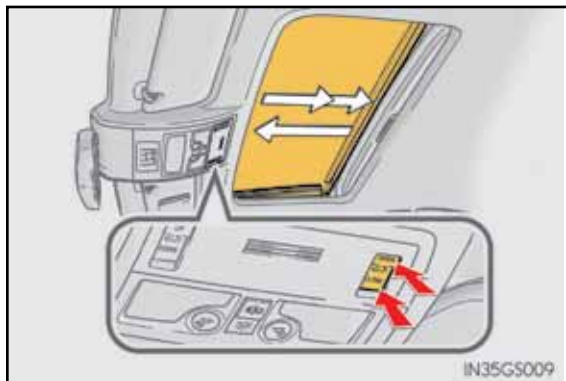
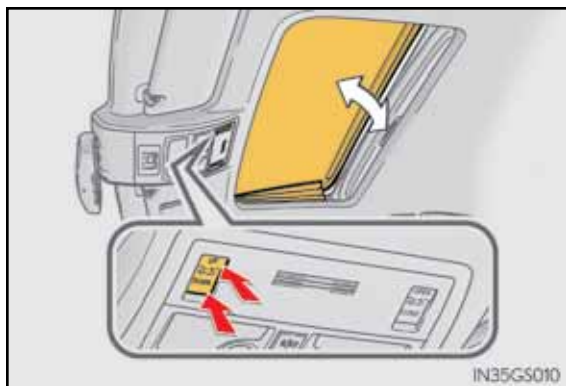
With the "POWER" switch in the "ON" mode, check that the indicator light comes on when the buttons are pressed.

- ① Hi
- ② Mid
- ③ Lo
- ④ Off



* If equipped

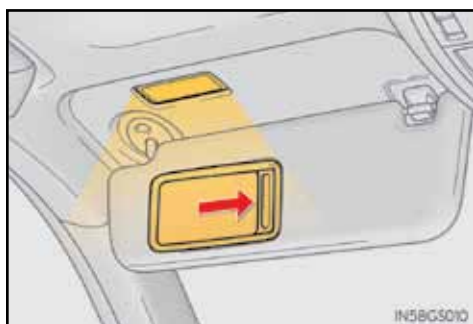
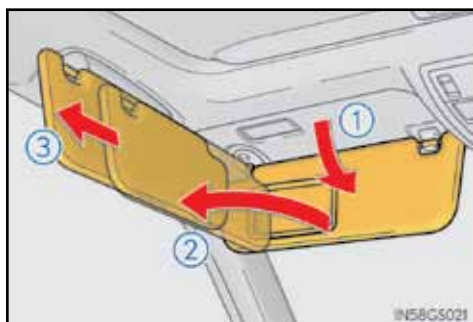
GS350/GS450h



MOON ROOF

With the "POWER" switch in the "ON" mode, check for smooth operation and any unusual noise.

- a) Check the tilt function - up and down.
- b) Check the automatic open function of the moon roof by pressing and holding the moon roof switch in the open direction for 1 second, release the switch.
- c) To close the moon roof, hold the moon roof switch in the close direction for 1 second, release the switch. The moon roof should automatically slide to the forward position. Push and hold to fully close.
- d) The sun shade can be opened or closed manually; however, the sun shade will automatically open with the moon roof.

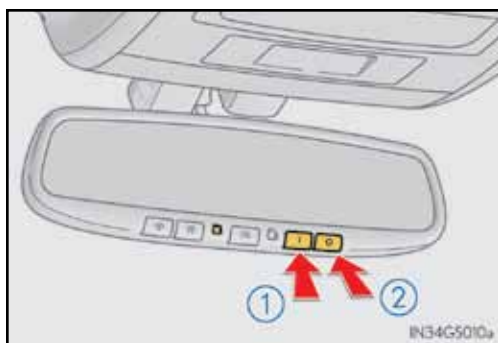


SUN VISOR AND VANITY MIRROR

- a) Check that the sun visor is easy to use:

- ① Flip down
- ② Unhook and swing to the side
- ③ Slide extender

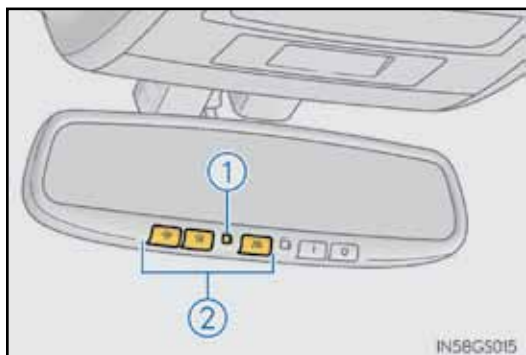
- b) Slide the cover and check that the vanity light comes on.



ANTI-GLARE INSIDE REAR VIEW MIRROR

Check the anti-glare function switch operates properly.

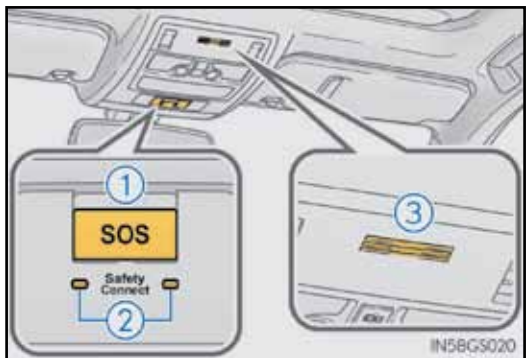
- ① On
- ② Off



HomeLink® GARAGE DOOR OPENER*

Check the HomeLink® garage door opener by pressing each of the three buttons and observing that the indicator light illuminates. Final operational check requires programming.

- ① Indicator light
- ② Buttons



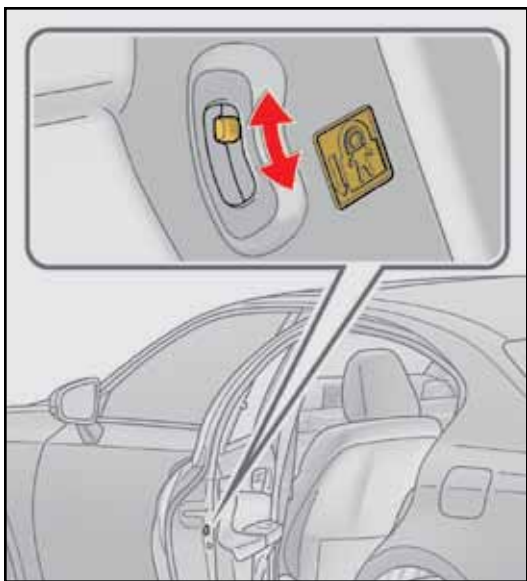
SAFETY CONNECT®*

Inspect the Safety Connect LED, (located in the overhead console) for a green activation status indicator. If green LED is not illuminated, press the SOS button once, wait for voice prompt, and press the button again within 5 seconds. If successful, tones will be heard followed by voice prompt saying "Activation is complete - Good bye". Green light will change from off to green after call has ended. If the green light does not illuminate, please refer to TIS for troubleshooting procedures.

- ① SOS button
- ② LED light indicator
- ③ Microphone

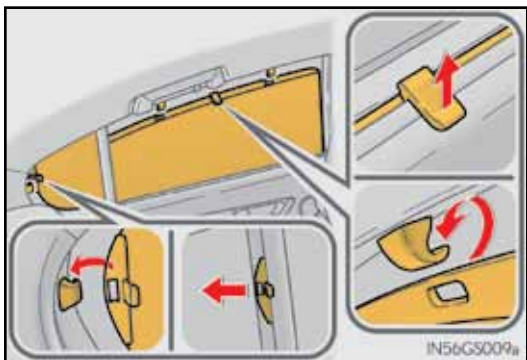
NOTE:

Vehicles may arrive with hanger requesting inspection to Safety Connect system. If system is working properly and green light is illuminated, disregard hanger.



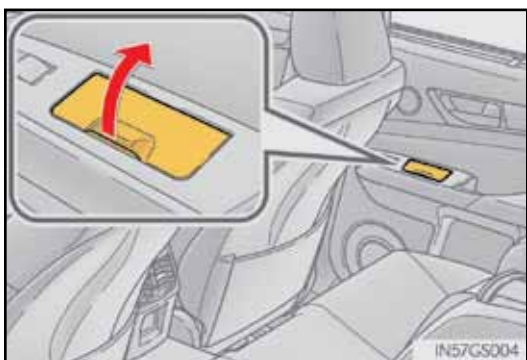
CHILD PROTECTOR LOCK

Check that the rear door cannot be opened by the inside door handle but can be opened by the outside door handle when the child protector is in the locked position.



SIDE WINDOW SUNSHADE*

Check that the side window sunshade raises and lowers smoothly.



AUXILIARY BOX*

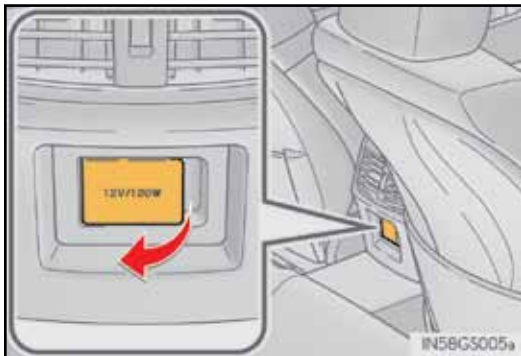
Check that the auxiliary box opens and closes smoothly and that it does not make noise during operation.

* If equipped

SEAT BELT

Check seat belt operation.

- a) Check that the belt extends and retracts smoothly.
- b) Check that the belt length is not twisted.
- c) Check that the buckle locks securely and releases smoothly.



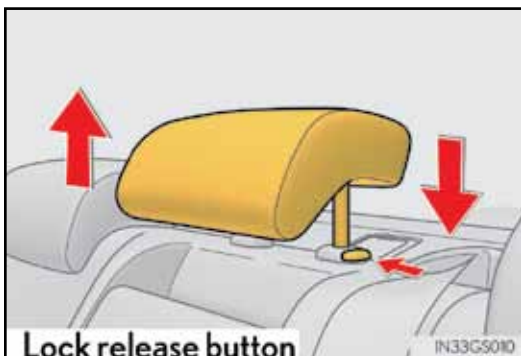
POWER OUTLET (12V)

With the "POWER" switch in the ACCESSORY or "ON" mode, check the power outlet using an electrical accessory designed for this use.



POWER OUTLET (120V AC)*

With the "POWER" switch in the ACCESSORY or "ON" mode, check the power outlet using an electrical accessory designed for this use.



REAR SEAT HEAD RESTRAINTS

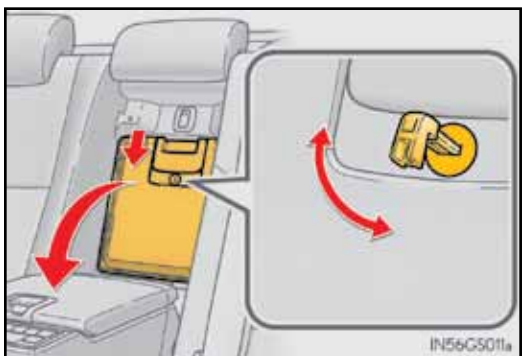
Check that the head restraints operate smoothly.

* If equipped



ARMREST

Check that the center armrest operates smoothly.



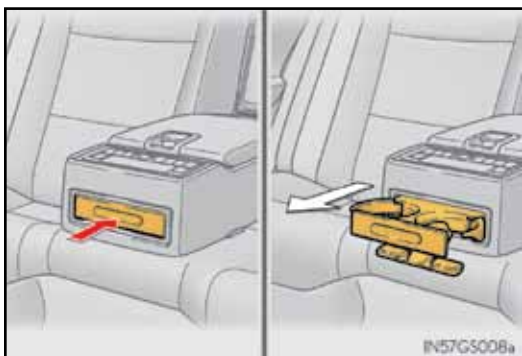
TRUNK STORAGE EXTENSION

Check that the armrest door can be locked and unlocked using the mechanical key.



AUXILIARY BOX

Check that the auxiliary box opens and closes smoothly and that it does not make noise during operation.



REAR CUP HOLDERS

Check that the cup holders open and close smoothly and that they do not make noise during operation.

INSPECTION DETAILS - D. LEFT REAR



REAR AIR CONDITIONING SYSTEM*

Check that the rear air conditioning controls operate properly.



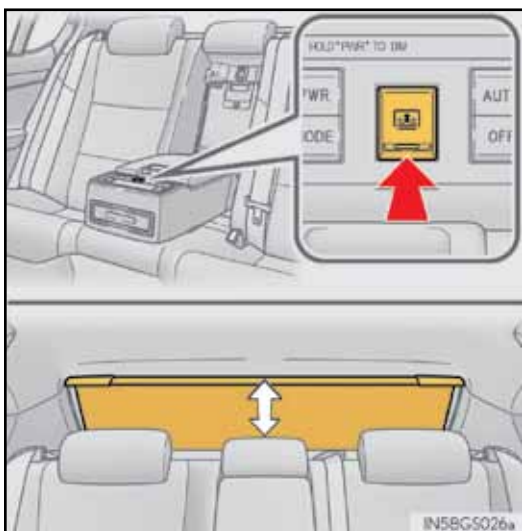
REAR AUDIO CONTROLS*

Check that the rear audio controls operate properly.



SEAT HEATERS*

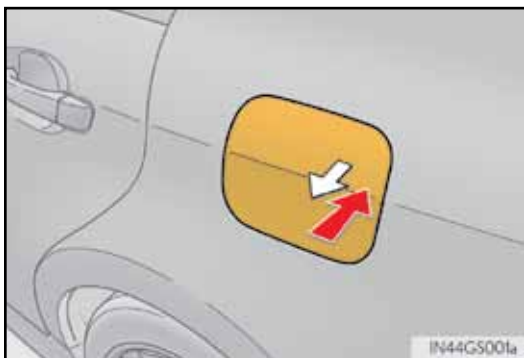
With the "POWER" switch in the "ON" mode, check that the indicator light comes on when the buttons are pressed.



REAR SUNSHADE*

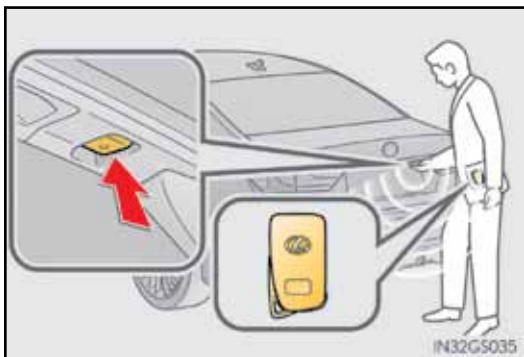
With the "POWER" switch in the "ON" mode, check that the rear sunshade raises and lowers smoothly.

* If equipped



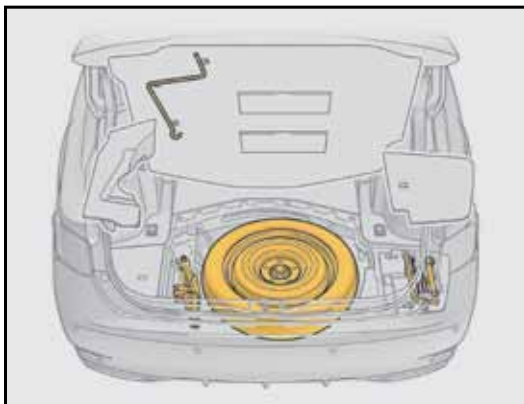
FUEL DOOR

Check that the fuel door opens and closes smoothly.
(Vehicle must be unlocked.)



TRUNK

- a) Check that the trunk unlocks using the exterior button.
- b) Check that the trunk cannot be unlocked by pressing the back door opener button when all the doors are locked by power door lock switch, wireless remote control, smart access system or key.
- c) Check that the luggage compartment light comes on when the trunk is opened.



TOOLS, JACK AND JACK HANDLE

Check that the tools, jack and jack handle are properly installed.

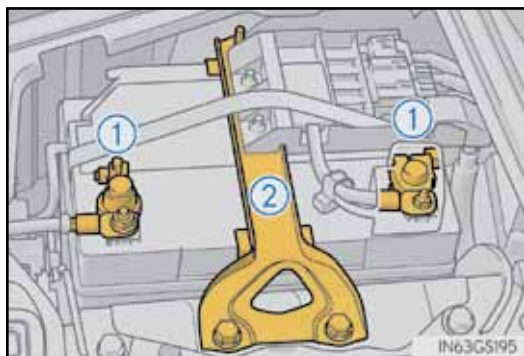
TEMPORARY SPARE TIRE PRESSURE

Check and adjust spare tire air pressure:

- T155/70D17 110M: 60 psi (420 kPa, 4.2 kgf/cm² or bar)

TRIM APPEARANCE AND LUGGAGE CARPET FIT

Inspect the luggage trim and luggage carpet for proper installation and appearance.



AUXILIARY BATTERY TERMINAL TIGHTNESS AND CHARGE*

For battery charging and inspection refer to the Service Bulletin.

Check that the battery terminals are properly connected and that the clamp is firmly installed.

- ① Terminals
- ② Hold-down clamp



TRUNK CLOSE SWITCH*

Check that the trunk lid closes automatically when the exterior button is pressed.

* If equipped

SIDE WINDOW SUNSHADE*

Check that the side window sunshade raises and lowers smoothly.

POWER WINDOW

With the "POWER" switch in the "ON" mode, operate the power window switch. Check that the power window up and down operation is smooth.

AUXILIARY BOX*

Check that the auxiliary box opens and closes smoothly and that it does not make any noise during operation.

SEAT BELT

Check seat belt operation.

- a) Check that the belt extends and retracts smoothly.
- b) Check that the belt length is not twisted.
- c) Check that the buckle locks securely and releases smoothly.

CHILD PROTECTOR LOCK

Check that the rear door cannot be opened by the inside door handle but can be opened by the outside door handle when the child protector is in the locked position.

* If equipped

POWER WINDOW AND DOOR LOCKS

- a) With the "POWER" switch in the "ON" mode, operate the power window switch. Check that the power window up and down operation is smooth.
- b) Check operation of the power door lock switch.
- c) With the doors closed, check that the power window can be fully operated after the "POWER" switch has been switched to the ACCESSORY or OFF mode.

NOTE:

This feature is canceled after 45 seconds or if either front door is opened.

DRIVING POSITION MEMORY SYSTEM*

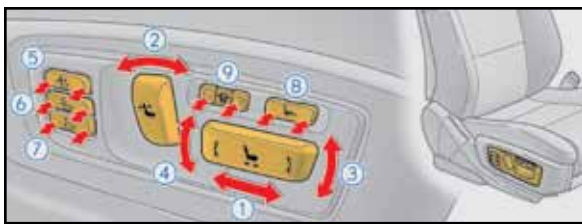
- a) With the "POWER" switch in the "ON" mode and the shift lever in the "P" position, check the operation:
 - 1. Adjust the passenger's seat to the desired position.
 - 2. While pressing the "SET" button, press down the button "1", "2" or "3" until a beep is heard.
 - 3. Check all buttons (1, 2 and 3) to make sure that all memorized settings operate correctly.

SEAT BELT

Check seat belt operation.

- a) Check that the belt extends and retracts smoothly.
- b) Check that the belt length is not twisted.
- c) Check that the buckle locks securely and releases smoothly.
- d) Check that the adjustable seat belt anchor operates properly and that it securely locks in position.

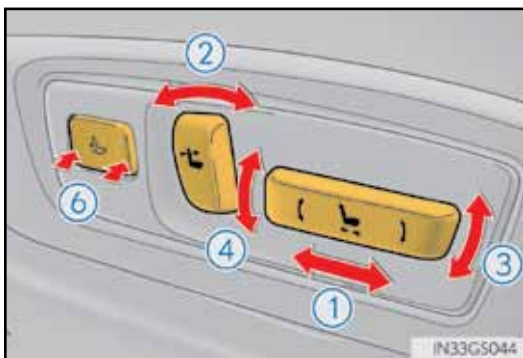
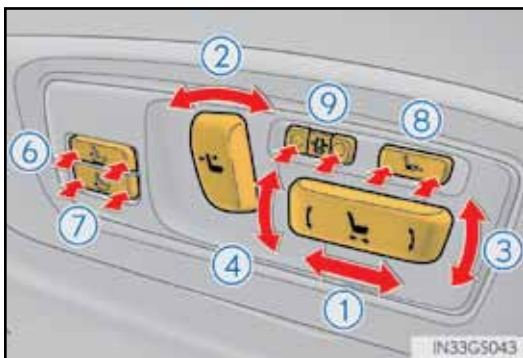
* If equipped



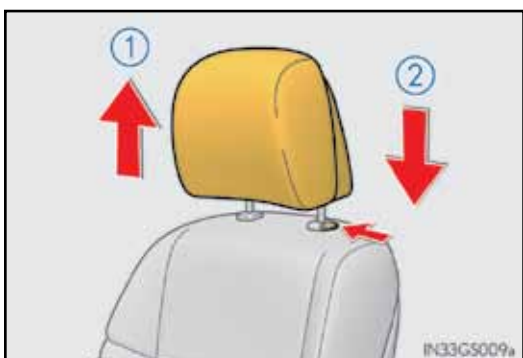
SEAT ADJUSTMENT

Check seat adjustment operation.

a) Power Seat Adjustment

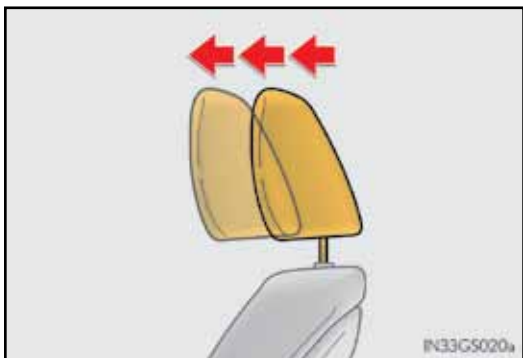


- ① Seat position adjustment
- ② Seat cushion (front) angle adjustment
- ③ Vertical height adjustment
- ④ Seatback angle adjustment
- ⑤ Lumbar support adjustment
- ⑥ Lumbar support adjustment
- ⑦ Pelvic support adjustment*
- ⑧ Seat cushion length adjustment*
- ⑨ Seatback side support adjustment*



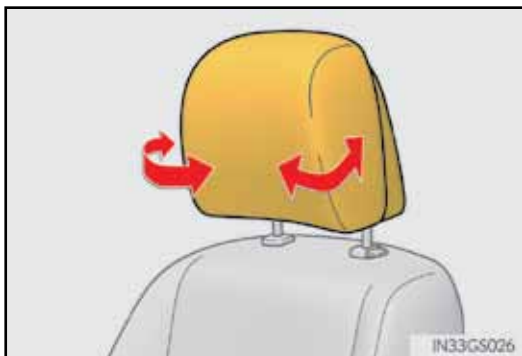
b) Head Restraint Adjustment

- ① Up
Pull the head restraints up.
- ② Down
Push the head restraint down while pressing the lock release button.



c) Angle Adjustment *

* If equipped



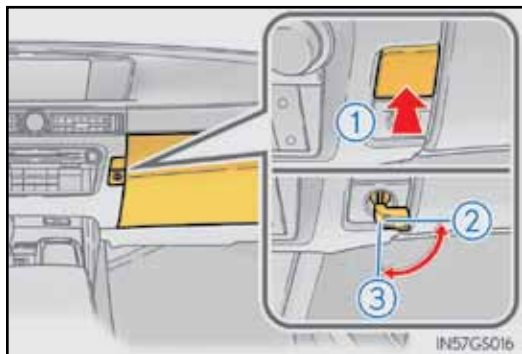
d) Side Support Adjustment*

SUN VISOR AND VANITY MIRROR

a) Check that the sun visor is easy to use:

- ① Flip down
- ② Unhook and swing to the side

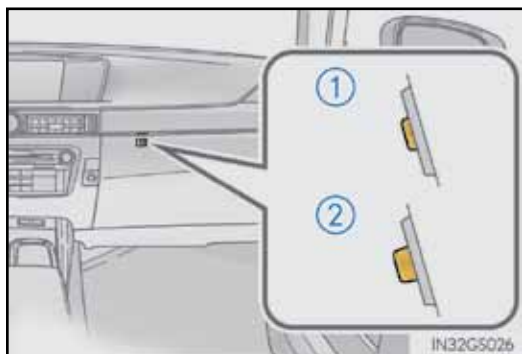
b) Slide the cover and check that the vanity light comes on.



GLOVE BOX

Check that the glove box opens and closes smoothly and that it does not make any noise during operation.

- ① Open
- ② Unlock
- ③ Lock



LUGGAGE SECURITY SYSTEM

Check that the trunk opener disable switch operates properly.

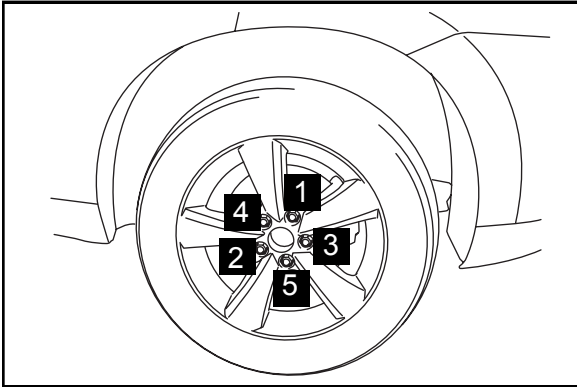
- ① On
- ② Off

* If equipped

FRONT LICENSE PLATE

Front License Plate Mounting Bracket & License Plate Installation. Refer to Service Bulletin.

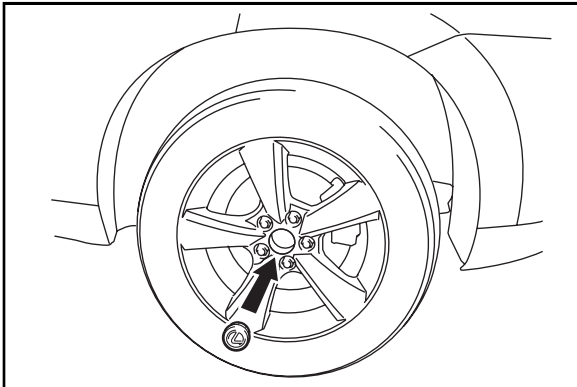
BEFORE LIFTING VEHICLE



WHEEL LUG NUT TORQUE (Should be checked if wheels have been taken off.)

Using a torque wrench, tighten all wheel lug nuts to the specified torque in the order of the numbers in the illustration to the left.

Torque specifications:
76 ft-lbf (103 N•m, 10.5 kgf•m)



INSTALL WHEEL CENTER CAPS

Install the wheel center caps on the wheels.

TIRES

Visually inspect all tires for damage and/or defects.

AFTER LIFTING VEHICLE

REMOVE WHEEL FILM

Visually inspect rotors for rust.

NOTE:

For the best rotor rust prevention, retain wheel film on vehicle until just prior to customer delivery. If leakage is found, see *Repair Manual*.

CHASSIS INSPECTION FOR LEAKAGE OR DAMAGE

- a) Visually and by hand check the following components for proper installation, clamping, connection and damage:
 - Brake lines, hoses and protectors
 - Fuel lines, hoses and protectors
 - Steering linkage and dust boots
 - Drive shaft boots
 - Parking brake cable
- b) Visually check the following components for fluid leakage:
 - Engine
 - Hybrid transaxle*
 - Transmission*
 - Brake lines
 - Fuel lines
- c) Visually check the entire underside of the body for proper rust-resistant coating.

* If equipped

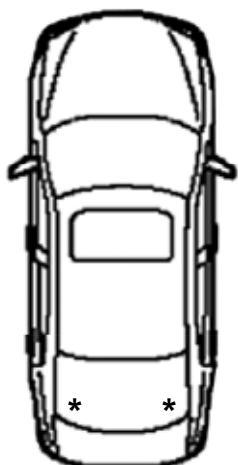
CHECK AND TIGHTEN ALL CHASSIS BOLTS OF COMPONENTS THAT ARE REPLACED DUE TO REPAIRS

Check that all chassis bolts and nuts and suspension components are tight. See the *Repair Manual* for proper bolt torque specification.

- a) Front and rear suspensions
- b) Steering linkages
- c) Front/rear cross members
- d) Front/rear brakes
- e) Drive shaft
- f) Axle shaft

FLUID LEAKS

- a) Engine (cylinder head and around the head cover)
- b) Brake lines and hoses
- c) Radiator and hoses
- d) Fuel lines and hoses
- e) Transmission
- f) Front shocks
- g) Hybrid transaxle*



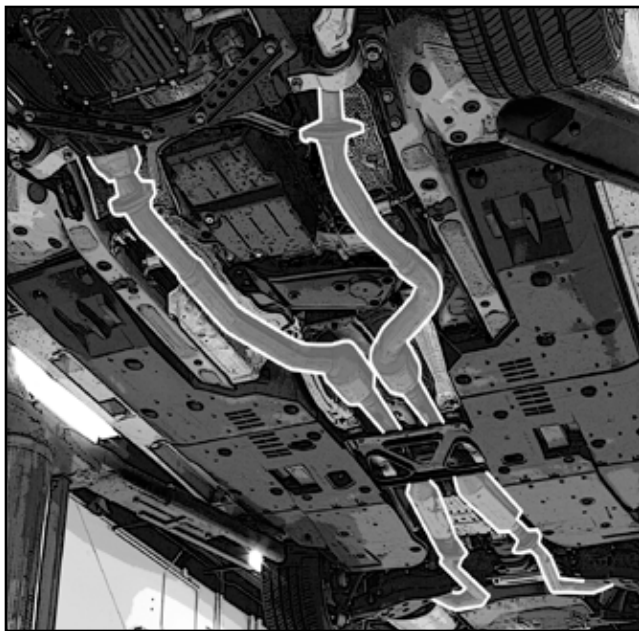
RUBBER BODY PLUGS

Install the rubber body plugs into the torque box holes.

NOTE:

Plugs are shipped with the vehicle and put in the glove compartment.

* If equipped



EXHAUST SYSTEM

Visually check for leaks and damage to the exhaust pipes and mufflers. Ensure they are properly installed.

Softly hit cold pipes with fist

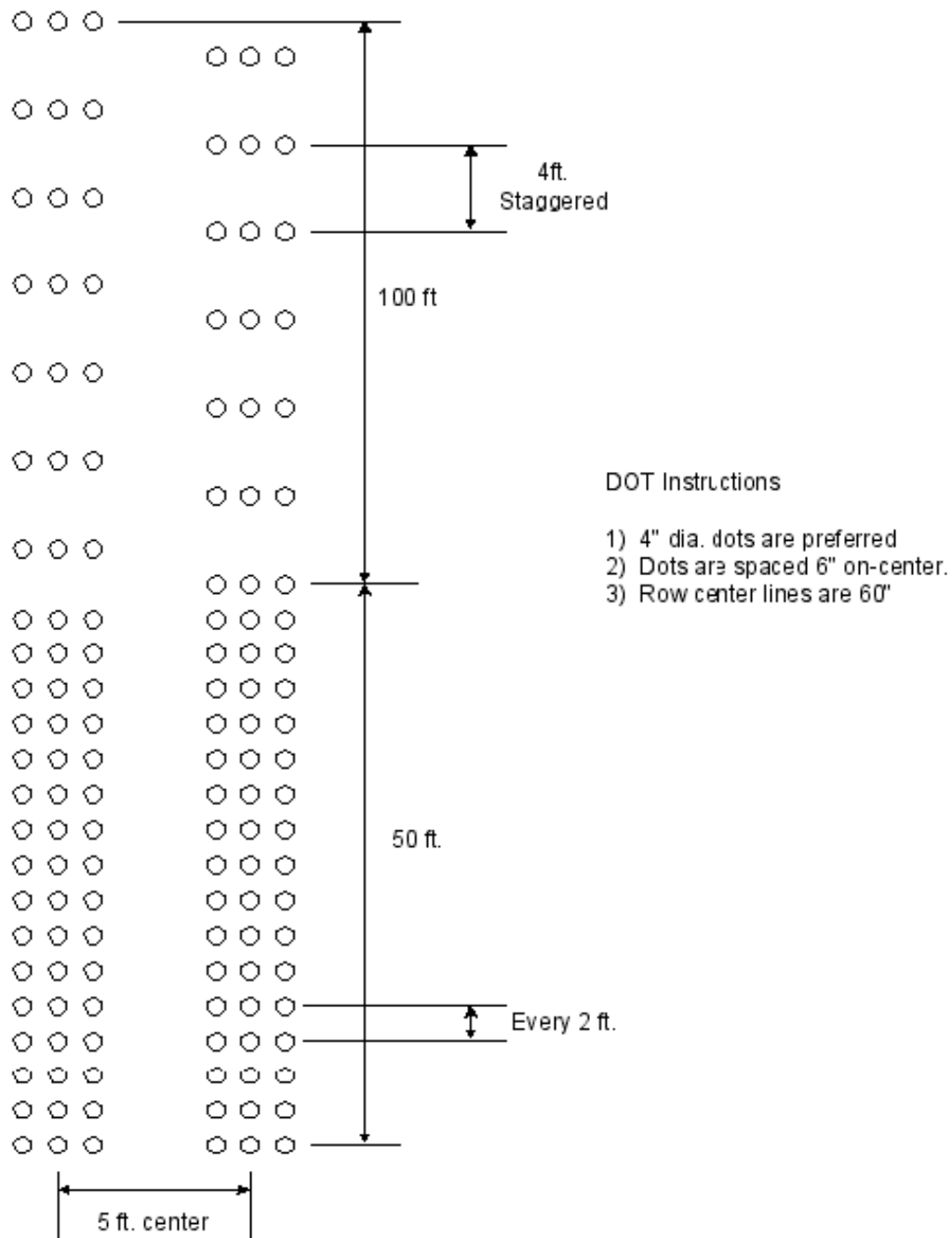
FLUID LEAKS

- a) Rear brake system
- b) Rear shocks
- c) Rear differential

INSPECTION DETAILS - J. ROAD TEST

BOTT DOT ROAD TEST LAYOUT

As part of the PDS road test, the vehicle must be driven over a rough road surface or over Bott Dots in order to check for squeaks and rattles. If a rough surface is not available for this road test, Bott Dots should be installed on the dealership property where vehicles can be safely driven 5 to 10 mph. (See Bott Dots installation instructions below, as recommended and provided by TMC Quality Division.) Bott Dots are available at industrial supply outlets.



INSPECTION DETAILS - J. ROAD TEST

A comprehensive road test is vital in order to ensure that a perfect automobile is delivered to a Lexus customer. We recommend that you map out a specific road test course that includes a variety of road conditions including stop and go, highway speed and rough road surfaces. This will help you check for squeaks, rattles, drifts, pulls and a variety of other conditions that must be corrected prior to delivery.

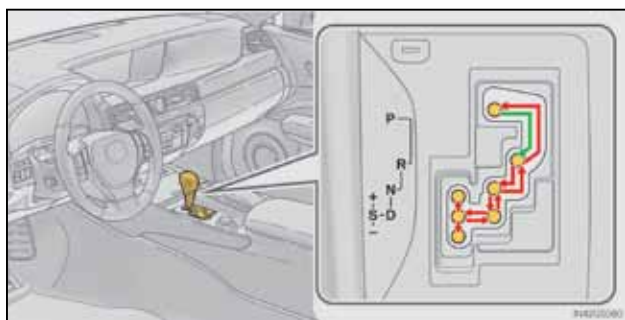
NOTE:

Make sure protective covers are in place on the seats and carpet prior to starting the road test.

FILL UP FUEL TANK

Fill the fuel tank to the "FULL" level with premium unleaded fuel that has a Research Octane No. **91** (Octane Rating 96) or higher. Up to E10 gasoline only.

READY LIGHT*

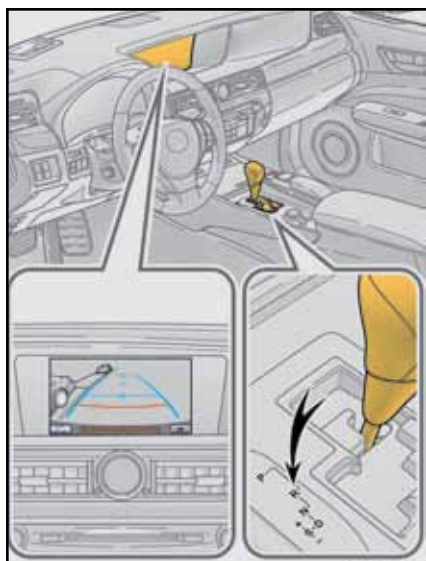


HYBRID/ENGINE TRANSMISSION OPERATION

- a) Check that the hybrid system will not start if the "P" park switch is not illuminated.
- b) Check that the shift lever cannot be moved from "P" position without depressing the brake pedal.

REAR VIEW MONITOR SYSTEM

With the "POWER" switch in the ACCESSORY or "ON" mode, and the shift lever is shifted in the "R" position, check that the rear view monitor system is displayed on the remote touch screen.



HYBRID/ENGINE SYSTEM OPERATION WHILE DRIVING

- a) Check engine performance over a broad range of driving conditions including acceleration, cruising and deceleration.
- b) Make sure engine operation is smooth and responsive.
- c) Make sure the gauges, speedometer and engine Indicator operations are smooth and accurate.

* If equipped

ENGINE OPERATION COLD AND HOT

ELECTRIC COOLING FANS

- a) Check that the engine cooling fans rotate smoothly.

CAUTION:

The engine cooling fans are controlled depending on engine coolant temperature. Do not touch the fans when the engine is hot.

- b) Turn the air conditioning on and build up sufficient pressure. Check that the electric cooling fans turn on and rotate smoothly.

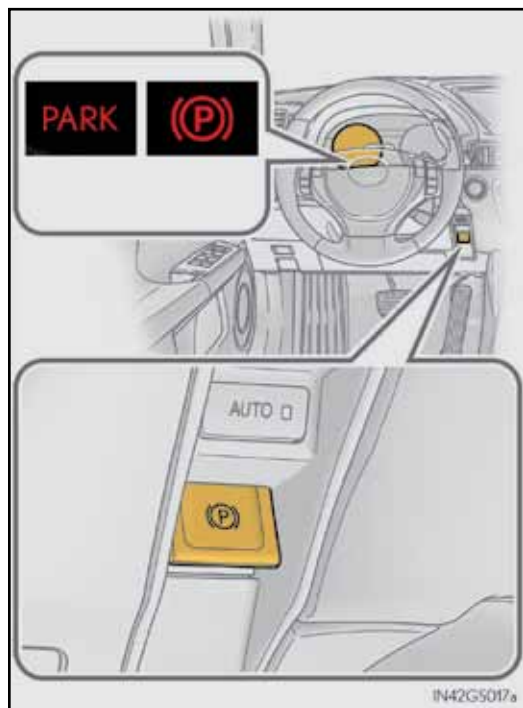
CAUTION:

The electric cooling fans are controlled depending on air conditioning refrigerant pressure. Do not touch the fans when the "A/C" switch is turned on.



BRAKE HOLD

- a) Check that the green standby indicator light comes on when the brake hold system is activated.
- b) Press the brake and check that the yellow brake hold indicator light comes on.



BRAKE AND PARKING BRAKE

- a) Check braking effort. Check for pull or any abnormal noise.
- b) Check the parking brake (manual mode):
With the "POWER" switch in the "ON" mode, check that the brake warning light comes on when the parking brake is applied (and goes off when it is released).
- c) Check the parking brake (automatic mode):
With the "POWER" switch in the "ON" mode, check that the brake warning light goes off when the shift lever is moved from the "P" position (and goes on when it is moved into the "P" position).

**IF PEDAL DOES NOT OPERATE
CORRECTLY, USE REPAIR MANUAL TO
CHECK, ADJUST, AND TROUBLESHOOT.**

See repair manual if needed.

HEADLIGHTS

TRANSMISSION/HYBRID TRANSAXLE OPERATION

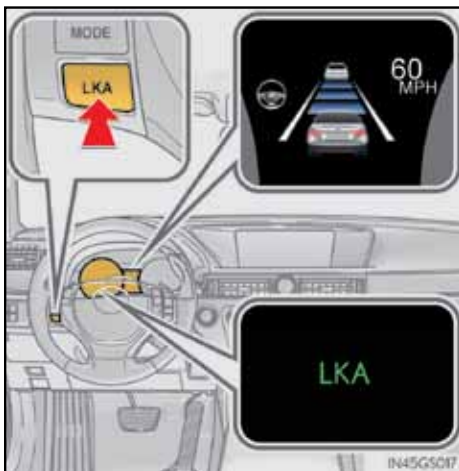
LEXUS NIGHT VIEW*

With the headlights on, check that Lexus Night View is displayed on the Remote Touch Screen when the switch is pressed.

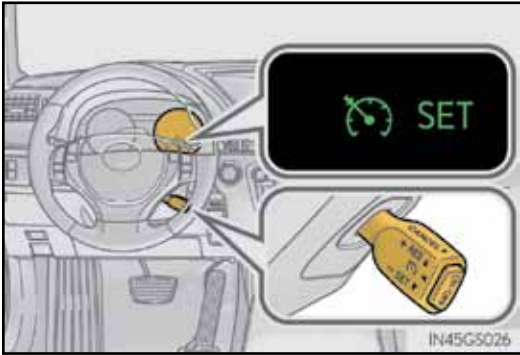


LANE KEEP ASSIST*

Check that the indicator light illuminates on the multi-information display when the switch is pressed and released.



* If equipped



CRUISE CONTROL*

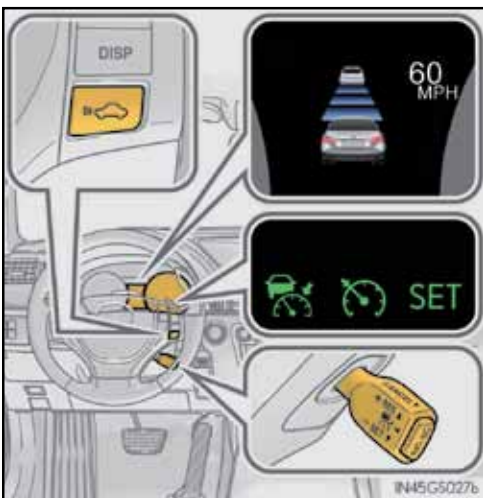
a) Check the cruise control functions:

- ON-OFF
- SET
- RES
- CANCEL

b) Check that the preset speed is canceled by:

- Depressing the brake pedal
- Using cancel switch and "ON-OFF" button

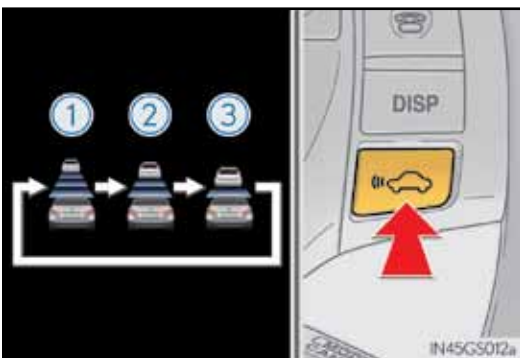
For details regarding the operation of the cruise control, refer to the *Owner's Manual*.



Dynamic Radar Cruise Control System*

c) Press the "ON-OFF" button and check that the indicator in the instrument cluster comes on and "RADAR READY" appears on the multi-information display. (Vehicle to vehicle distance control mode)

d) Check that cruise control mode is changed between vehicle to vehicle distance control mode and conventional (fixed speed) control mode by pressing the cruise control lever for longer than about 1 second. (Indicator in the instrument cluster comes on)



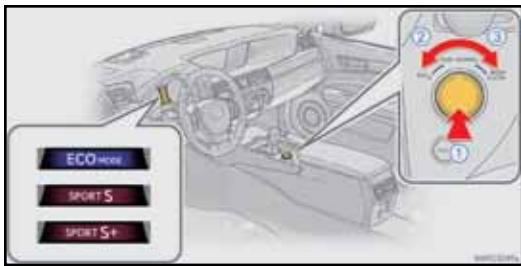
e) Check that the vehicle to vehicle distance setting is changed from "Long" to "Medium" to "Short" and then back to "Long" by pushing the distance switch on the steering wheel.

- ① Long
- ② Medium
- ③ Short

NOTE:

Always keep the millimeter wave radar sensor glass clean.

* If equipped



DRIVING MODE SELECT

Check that the driving modes operate properly.

- ① Normal mode
- ② Eco driving mode

Check that the indicator light illuminates on the display.

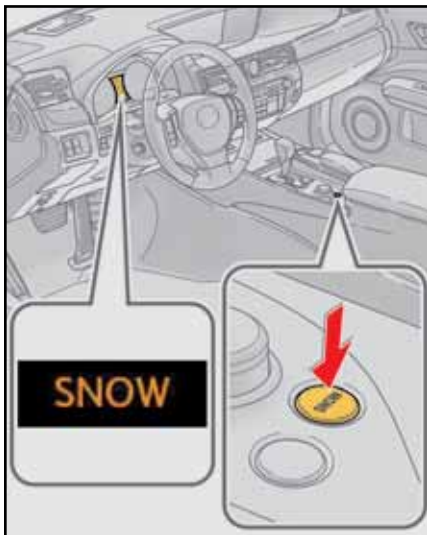
- ③ Sport S mode

Check that the indicator light illuminates on the display.



EV DRIVE MODE*

Check that the EV drive mode operates properly and that the indicator light illuminates when the EV drive mode button is pressed.



SNOW MODE

Check that the indicator light illuminates on the multi-information display when the switch is pressed.



HILL-START ASSIST CONTROL

Check that hill-start assist control engages when the vehicle is stopped and the brake pedal is further depressed. A buzzer will sound once to indicate the system is activated. The slip indicator will also start flashing.

* If equipped

CHECK BLIND SPOT MONITOR WITH REAR CROSS TRAFFIC ALERT FUNCTION



TRAC AND/OR VSC SYSTEM

- a) Turning off the TRAC system
Check that the indicator light illuminates on the multi-information display when the switch is quickly pressed and released.
- b) Turning off the TRAC and VSC systems
Check that the indicator light illuminates on the multi-information display when the switch is pressed and held for more than 3 seconds.
- c) Set the VSC off switch "ON".

STEERING OPERATION AND OFF-CENTER

- a) Check steering for smooth turning operation and any unusual noise.
- b) Check that the steering wheel is correctly aligned when driving on a level road surface.

NOTE:

For details about adjustment and inspection, refer to the *Repair Manual*.

AIR CONDITIONING AND HEATER FUNCTIONS

SQUEAKS AND RATTLES

Check for squeaks and rattles in the followings:

- a) Instrument panel
- b) Doors
- c) Trim
- d) Body
- e) Others

ABNORMAL NOISE OR VIBRATION

Check for vibration or abnormal noise while the vehicle is in motion.

- a) Wind noise
- b) Power train (engine)
- c) Road noise (tires)
- d) Others

BRAKE LIGHTS AND BACKUP LIGHTS

CHECK HORN

TURN OFF RADIO, AIR CONDITIONING, SEAT HEATERS, LIGHTS



OWNER'S MANUALS AND PORTFOLIO

- a) Place the Quick Guide booklet in the glove box.
- b) Check that the *Owner's Manual Portfolio* contains the *Owner's Manual(s)* and place in the trunk.
- c) Check that the airbag information label is affixed on the glove box door and is visible with the glove box closed.

REMOVE INTERIOR PROTECTIVE COVERS, ETC.

Remove the remaining plastic covers from the driver knee airbag, front passenger knee airbag, side trim, seats, head restraints, console box cap and sun visors as required. Remove any unnecessary labels, tags and stickers. It is recommended that the interior protective covers be removed just before delivery of the vehicle to the customer.

COMPLETION

LEXUS GS 350/450h PRE-DELIVERY SERVICE (PDS) CHECK SHEET 1 of 2

• Use the PDS Manual when performing this service. Download manual from TIS or Dealer Daily or order from MDC, 00242-PDSGS-MAN14.
• Check the Technical Information System (TIS) for PDS Technical Service Information Bulletins (TSIBs) that apply to the model you are servicing.
• Verify the Vehicle Identification Number (VIN) on repair order and vehicle match.

Check cleanliness, damage through entire process 1. Prepare tools & supplies (p.2) 2. Full vehicle into bay, open hood 3. Engine Compartment (Use fender covers) • Remove fuse cover • COO fuse installation, needed see TSIB Engine oil level (engine not running), pull dipstick Brake fluid level, visual Engine, inverter, coolant level, visual Add fluid to windshield washer to within 2" of cap Hoses - check for fluid leaks VCS*, visual General wiring - check visually for damage Battery 12.5V min - pre-test (GS350) Replace fuse cover 4. Locks and Lights SmartAccess - lock and unlock all doors, unlock trunk Remote Entry - lock and unlock all doors, unlock trunk, sound theft deterrent system alarm Mirror outer foot light Remote Engine Starter* operation Check headlights, turn signals and fashers 5. Left Front (Protective covers on interior) SYSTEMS CHECK Check all systems with Techstream tester Activation/Installation of The Pressure Warning system TSIB: 02422-LBEL14044 TSIB: 02422-LBEL14044 Health Check - pre-test DRIVER'S SEAT Seatbelt - latch and unlatch Memory System - Program 3 position memory* steering wheel, seat, and outside mirror positions and activate Check seat adjustments DRIVER'S DOOR Check operation of all window switches on LF door Power door locks Door courtesy light Door ajar chime INSTRUMENT PANEL Set mirror selector switch to R or L Power folding mirrors Rear Sunshade* Park/Pedal - check/switch ATCS - check operation* Trunk release Gauges/lighting Head-up display* ESTERLING COLUMN CONTROLS Windshield wipers, wiper blades with sensor, headlight washers* Warning and indicator lights Multi-information display Steering wheel adjustments Steering wheel switch FAR CONDITIONING Temperature - Set to 72°F Mode - Check modes work Fan - Check speeds Leave on AUTO mode	C. CENTER INSTRUMENT PANEL Clock - Set time Outside temperature Audio - Set DAB, FM2, AM, SAT* station presets, check CD mini & USB jack* play Navigation - function and Set dealer POB, 30-day month service reminder - Menu, Setup, Vehicle Maintenance Check Multi-View - Menu, Info/Phone Check backup monitor tilt down outside mirrors H. CENTER CONSOLE Console cover, interior & console lights, power outlet Glovebox door Initial shift lock override button cover Cupholders, front Center differential* ventilation/heaters* OVERHEAD Moondrop - check operation, 1 touch Vision and entry lights Map lights Dome light(s) Inside rear view auto-dimming mirror HomeLink® garage door opener Safety Connect* - check green light by switch 6. Left Rear Switch on child door lock, close door, then switch off Open & close lock door Power window - check operation, 1 touch Seatbelts, latch and unlatch Center rear air vent, rear cupholders, seatback pockets 7. Trunk 12V Battery 12.5V min - pre-test (GS 450h) Trunk light Compact spare tire* adjust pressure (p.2 tire info label) Tools, jack, jack handle, towing eyelet, first aid kit, verify contents, latch and unlatch Active stabilizer* Manual fuel door release lever Trim appearance and luggage carpet fit Power trunk lid closer* (openers*) 8. Right Rear Power window - check operation, 1 touch Switch on child door lock, then switch off Open & close lock door 9. Right Front Power window - check operation, 1 touch Power door lock switch Seatbelts, latch and unlatch Check seat adjustments Glovebox 10. Front Bumper Initial front bumper plate bracket, frame, see TSIB, if needed • Off mode, "READY" all • On mode, "READY" all • "READY" mode (GS450h) • Engine running (GS 350) • If equipped	11. Under Vehicle (Safety/Damage) • Use proper tie-downs to prevent damage Safety/Damage (Steering, Brakes, Tires) Visually inspect Front wheel center caps Front wheel opening extension pad cover removal TSIB Fluid leaks - visual engine fuel lines front brake system front shocks front differential* transmission center differential* Initial rubber body pads (location p.2) Exhaust system light/headlight softly hit cold pipes with fist Fluid leaks - visual rear brake system rear shocks rear differential The positioning see TSIB 12. Road Test Adjustment • Check READY light (GS 450h) Engine operation cold and hot Engine electric cooling fans Parking brake and brake operation Transmission operation Clutch control operation Check suspension settings switch ECT/BSAC function and indicator lights Steering operation and off-center Air Conditioning/Heating - check all functions, cool, heat Blind Spot Monitor with Rear Cross Traffic Alert* Squeaks and rattles (drive over Bolt dots) Abnormal noise or vibration Check brake lights, backup lights (use mirror at dealer) Check horn Turn off all air conditioning, seat heaters, lights Set drive position switch to NORMAL Completion Review all codes, tire pressures, and temperature settings Attach tire pressure, ECU health check, and battery charge printouts to this check sheet and file with R.O. Submit product technical reports regarding quality issues, as applicable Sign Technician on Quality Vehicle Delivery Certificate located in glovebox. GS 450h: Maintenance For HV & Auxiliary Batteries (See TSIB) Charge 12 Volt (Auxiliary battery) to 12.6 V before delivery Charge (2 hours min - 10 hours max) Notes: If parked 10+ days, disconnect 12 Volt battery Exhaust long term, operate hybrid system every 2 months Before delivery: Battery Maintenance for In-stock Vehicles & Pre-Delivery see TSIB Long form Vehicle Storage Guidelines, see TSIB Floor Mat Installation see TSIB p.2
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I have attended the Technical Introduction to Lexus Course 1005* at the Lexus Area Office. I have read and understand the PDS Manual, PDS precautions, and applicable PDS TSIBs. I have filled the vehicle and performed under vehicle safety/damage inspection. I have read tested vehicle long enough to test fuel engine and driven over rough road/Bolt dots to test for rattles/squeaks. I certify that I have checked all items on this form and all items have been corrected for proper operation as required.

Technician Name (please print) _____ Technician Signature _____

Date _____ Dealer Name _____ RO _____ Vehicle Identification Number (stickers) _____

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PDS CHECK SHEET AND PRODUCT REPORTS

Attach the following printouts to the PDS check sheet:

- Tire pressure printout
- 12-V battery printout
- ECU health check printout

See back of PDS Check Sheet for printout examples.

Complete and sign the pds check sheet, and file with the pds repair order.

Submit product technical reports regarding quality issues as applicable.

LEXUS GS 350/450h PRE-DELIVERY SERVICE (PDS) CHECK SHEET 2 of 2

GS 450h HYBRID SYSTEM ELECTRICAL SAFETY PRECAUTIONS (Also see TSIB)

- Do not touch the orange high voltage wiring and connectors (up to 650 volts).
- The gasoline engine may start suddenly whenever the "READY" light is on. Before working under the hood, put the transmission selector lever in "P", apply the parking brake, and set the power switch to "OFF" ("READY" light off) to stop the hybrid system.
- The hybrid transmission, engine radiator, and inverter radiator may reach high temperatures during inspection. Carefully observe all caution labels and instructions on these components.
- Be sure to keep the transmission selector lever in "P" at all times unless otherwise instructed. When the selector lever is in "N", the hybrid vehicle battery will not charge even if the gasoline engine is running.
- When leaving the vehicle, put the selector lever in "P", apply the parking brake, and press the power switch to "OFF" mode in order to stop the hybrid system (the "READY" light goes OFF).
- Air vents are located on the package tray to cool the hybrid vehicle battery. Do not block these air vents.
- Do not splash water on the electric components in the engine compartment.

LEXUS DAMAGE PREVENTION STANDARDS

No Watches
No Steel/Plastic Buttons, Zippers
No Cell Phones on belt
No Belt Buckles
No Grease/Oil on shoes and Clothing
No Rings

Leave interior protection on driver's area until delivery to customer.

Fender Covers

MDC Supplies (800-622-2033):

Fender Cover: 00242-FENDER-COVER
Non-scratch Belt (34", 38"): 00242-LBEL12832
Non-scratch Belt (34", 38"): 00242-LBEL13438
Non-scratch Belt (40", 44"): 00242-LBEL14044
Non-scratch Belt (40", 44"): 00242-LBEL14650
Ring Tape: 00242-RNGTP

FLOOR MAT PROPER INSTALLATION & CARE

- Verify that the correct driver's floor mat is installed.
- Verify proper driver's floor mat installation using the factory retention device (clip or grommet style).
- Never install the driver's floor mat with the bottom-side up, do not place another floor mat(s) on top of an existing mat. (Note: You should always regularly verify a customer's driver's floor mat is properly secured after a car wash, interior cleaning, etc.)

TIRE PRESSURE
See tire info label

BATTERY CHARGE PRINTOUT - ATTACH

TPWS SWITCH

TECHSTREAM TIRE PRESSURE PRINTOUT - ATTACH

TECHSTREAM HEALTH CHECK PRINTOUT - ATTACH

TOOLS AND SUPPLIES

- Techstream Diagnostic Tester
- Power port checker
- Digital tire pressure gauge
- 1/2 inch socket wrench, 1/2 inch drill (license plate frame & bracket)
- Non-metallic fuse tool
- Flashlight with fresh batteries
- Clean gloves, clean shoes, ring tape, scratchless belt
- Clean rags, fender covers
- Writing pen
- Washer fluid, water (rain sensing wiper check)
- CD (for checking audio system)
- Convex mirror - use dealer mirror to check brake & reverse light if 2nd technician not available
- Bolt dots if rough road not available

WORK FLOW

1. Under Vehicle Plugs

Vehicle Delivery Certificate



Vehicle Identification Number: _____

We certify that taking delivery of your new Lexus vehicle will be exceptional.
You can expect the following experiences:

The Dealership Service Department will ensure your vehicle and vehicle features are fully operational.
All Lexus Customer Care Programs will be explained:

Maintenance Schedule and First and Second Complimentary Scheduled Maintenance Services
Warranty Schedules and Lexus Roadside Assistance

Your vehicle will be clean and will have a full tank of recommended grade fuel.

Cleaning and caring for the exterior and interior of your vehicle will be explained.

Feature operation will be explained and demonstrated, including:

Keys, Locks and Smart Access	1-touch Power Windows and optional Moonroof	Fuel Cap, Grade Requirement
Seat and Mirror Adjustments	Audio System, Aux and USB Ports	Floor Mat Requirements / Installation
Exterior and Interior Lights	Cruise Control (Conventional/Dynamic)	Maintenance Reminder Light/Message
Climate Control	Windshield Wipers/Washer	Tire Pressure Warning System
Center Console	Power Outlets	Multi-information Display

If equipped, the operation of these additional features will be explained and demonstrated:

- ☐ Compatible Bluetooth® Phone; if available, pair customer's Bluetooth phone to vehicle, use Voice Command to place calls with phonebook names and with single digits (ex. "Phone," "dial by number," "3-1-0-5-5-1-2-1-2")
- ☐ Navigation System guidance; set location nearby customer home as "Home" and use Destination Assist to set destination of local point-of-interest, such as a restaurant
- ☐ Driving Position Memory (Driver's seat, steering wheel, outside rear view mirrors)
- ☐ Satellite Radio operation; turn on, view music types, channels, set presets, "TEXT" button
- ☐ Park Assist System / Back-up Camera / View Monitors
- ☐ Advanced Parking Guidance System (LS)
- ☐ Rear Seat Entertainment System; explain how to use DVD player, remote control, headphone jack
- ☐ Lexus Hybrid Drive System (see *Hybrid Overview* booklet p.1-3)
- ☐ Safety Connect™
- ☐ Lexus Enform™ with Safety Connect, requires navigation (see *Lexus Enform User's Guide*)
- ☐ Remote Engine Starter

If you have any questions about how to operate the features and controls of your vehicle, please:

* Contact your Dealership: _____
Dealership Name Dealership Telephone

* Refer to the Quick Guide or Owner's Manual books provided with your vehicle

* View Quick Guide videos at mylexus.com. If customer has a compatible smart device (i.e. iPhone®, iPad™, Android™, BlackBerry®), show customer how to install free Lexus Enform Mobile App and play vehicle information videos.

Dealership Service Representative

Dealership Sales Representative

Date



COMPLETE SERVICE PORTION OF TEAMWORK IN QUALITY INSPECTION CERTIFICATE

Remove Vehicle Delivery Certificate and VIN number sticker sheet from glove box. Peel VIN number sticker off sticker sheet and apply to "Vehicle Identification Number" line at inside top of certificate. The person performing PDS is required to sign their name over "Dealership Service Representative" line and return certificate and VIN sticker sheet to glove box.

MAINTENANCE FOR HV/AUXILIARY BATTERY BEFORE DELIVERY

Refer to the Service Bulletin.

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