

LX 570 Pre-Delivery Service Manual

Lexus Technician:

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

- Read and understand this PDS Manual
- Read and understand the PDS Precautions on page 69, 70
- Read and understand all applicable PDS Technical Service Information Bulletins (TSIBs) for this vehicle
- Attend the "Technical Introduction to Lexus Course L005" at the Lexus Area Office

When performing a PDS on this vehicle:

- Use the PDS Manual when performing this service
- 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
- Lift vehicle and perform undervehicle safety/damage inspection
- Road test vehicle long enough to test hot engine and driven over rough road/Bott dots to test for rattles/squeaks
- When completed, sign Vehicle Delivery Certificate, located in the glovebox

The following TSIBs are available on TIS:

Battery Maintenance for In-Stock Vehicles & Pre-Delivery (Revised)

Floor Mat Installation During PDS

Front License Plate Mounting Bracket & License Plate Installation

Installation of Towing Wire Harness Connector During PDS

Long Term Vehicle Storage Guidelines

Roof Rack Cross Bar Installation During PDS

Short Pin Installation During PDS

Tire Positioning Before New Vehicle Delivery (Revised)

Tire Pressure Warning System Activation & Initialization

To obtain PDS material:

Manual

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

Check Sheet

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

Vehicle Delivery Certificate

- Order from MDC, 00242-TIQ13

Other PDS TSIBs

- Download from TIS website

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

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LX 570 PDS MANUAL



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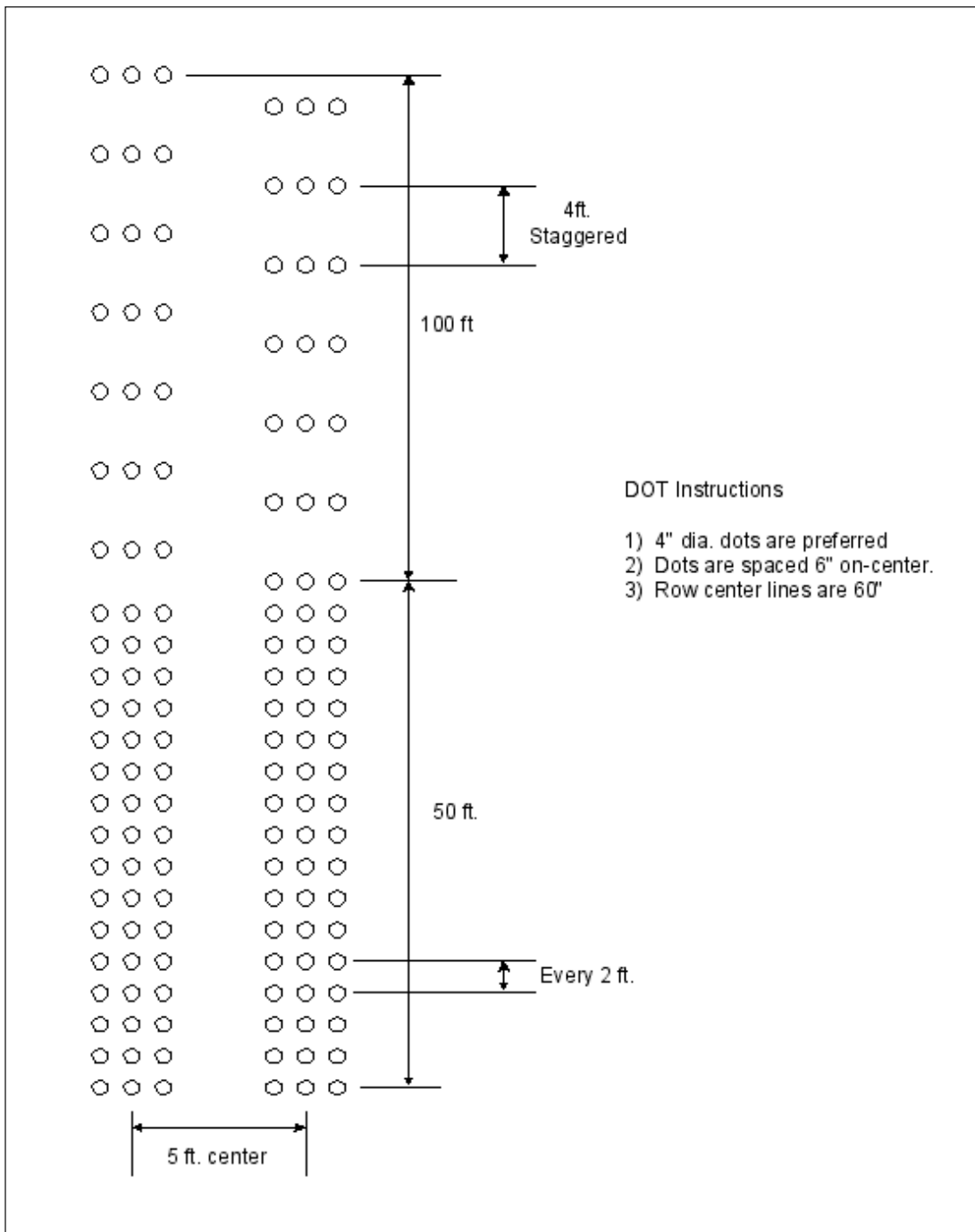
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Bott Dot Road Test Layout

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 squeeks 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 commonly available at industrial supply outlets.



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I. BEFORE STARTING PRE-DELIVERY SERVICE

1. WASHING VEHICLE

After thoroughly washing vehicle, check it to make sure all adhesive wrapping film has been removed.

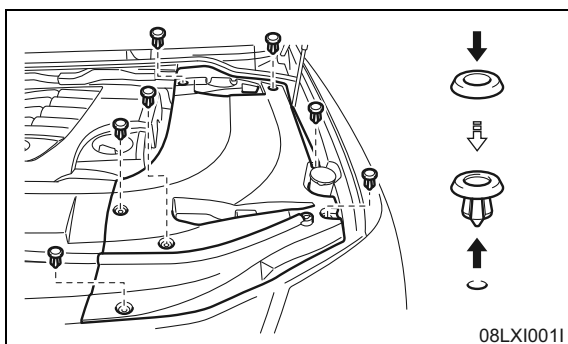
NOTICE:

Hand washing of the vehicle is recommended.

2. 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 front windshield
- d) Around the sliding roof area
- e) Around the rear window

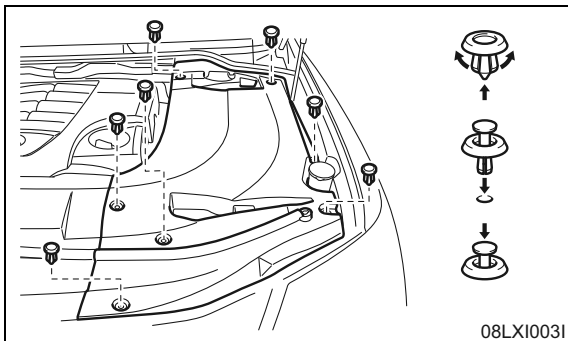


3. ENGINE COMPARTMENT SIDE COVER REMOVAL

Push the core of the clips of the engine compartment side cover and remove the clips. After that, remove the engine compartment side cover.

4. SHORT PIN INSTALLATION

Refer to the Service Bulletin



5. ENGINE COMPARTMENT COVER INSTALLATION

Installation is in the reverse order of removal.

Insert the clips, as shown in the illustration.

6. INSTALLATION OF ROOF RACK CROSSBARS

Refer to the Service Bulletin

**7. FRONT LICENSE PLATE MOUNTING
BRACKET AND LICENSE PLATE IN-
STALLATION**

Refer to the Service Bulletinn



8. SHIFT LOCK OVERRIDE BUTTON COVER INSTALLATION

Install the cover into the shift lock override button hole.

NOTE:

The cover is in a plastic envelope attached to the shift lever.

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II. INSPECTION OVERVIEW

NOTE:

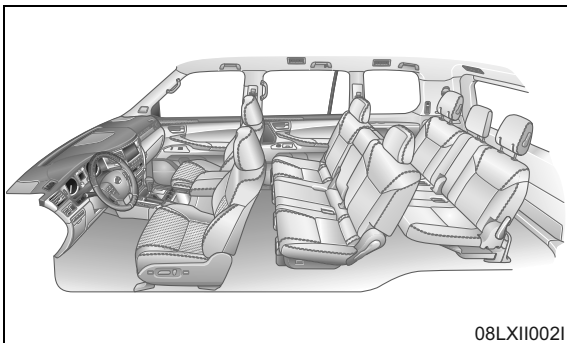
Pages in this section represent an overview of the pre-delivery service only. For details of each inspection procedure, please refer to Section III - Inspection Details starting on page 15.

A. VEHICLE EXTERIOR



- A01. Check paint finish (paint defect, damage)
 - A02. Check exterior parts for fit
 - A03. Check back door
 - A04. Check door lock system and illuminated entry system
 - A05. Check smart access system
 - A06. Check wireless door lock remote control system
 - A07. Check theft deterrent system
 - A08. Check exterior lights
- Detail starts on page 15.

B. VEHICLE INTERIOR



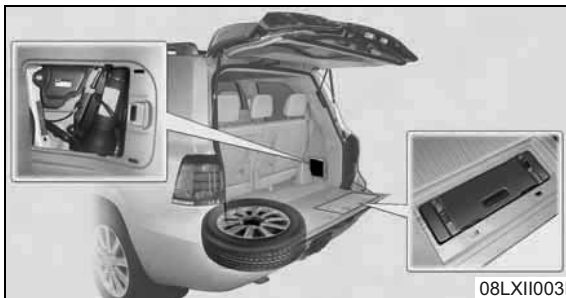
- B01. Check interior parts for damage and fit
- B02. Check power supply changeover and engine start/stop
- B03. Check engine immobilizer system
- B04. Check seat belts
- B05. Check child protector locks
- B06. Check power and manual seats adjustment
- B07. Check tilt and telescopic steering wheel
- B08. Check outside rear view mirrors
- B09. Check driving position memory system
- B10. Check power windows and door locks
- B11. Check fuel filler door opener
- B12. Check turn signal, headlight, high beam and emergency flasher indicator lights and horn
- B13. Check windshield wipers and washers
- B14. Check headlight cleaner*
- B15. Check warning lights and indicator lights
- B16. Check multi-information display
- B17. Check LEXUS navigation system*
- B18. Check air conditioning
- B19. Check seat heaters/climate control seats*
- B20. Check audio system
- B21. Check rear seat entertainment system*
- B22. Check intuitive parking assist system*
- B23. Check rear view monitor system*
- B24. Check wide-view front and side monitor system*

* Optional equipment

- B25. Check and set clock
- B26. Check ashtrays, cigarette lighters and power outlet
- B27. Check glove box, overhead console, console boxes, auxiliary boxes and cup holders
- B28. Check cool box*
- B29. Check armrest
- B30. Check interior, personal, inside door handle, shift lever, door courtesy, engine switch, footwell, luggage compartment, outer foot and running board lights
- B31. Check moon roof
- B32. Check inside rear view mirror
- B33. Check sun visors and vanity mirrors
- B34. Check Home Link® garage door opener
- B35. Check on-board diagnostic system operation

Detail starts on page 22

C. LUGGAGE COMPARTMENT



- C01. Check tools, jack and jack handle
- C02. Check manual back door opener
- C03. Check trim appearance and luggage carpet fit

Detail starts on page 64.

D. UNDER THE HOOD



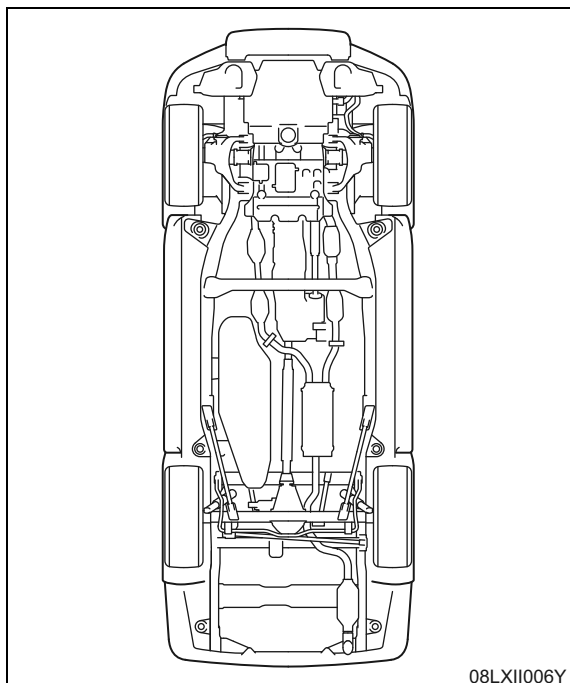
- D01. Check engine hood release lever
 - D02. Check engine oil level (engine not running)
 - D03. Check brake fluid level
 - D04. Check power steering fluid level
 - D05. Check engine coolant level
 - D06. Check washer fluid level
 - D07. Check battery terminal tightness and charge
 - D08. Check wiring and hose
 - D09. Check engine operation (cold)
 - D10. Check engine operation (during/after warm-up)
 - D11. Check electric cooling fans
 - D12. Check for fluid leaks
 - D13. Check headlight aim, if not correct
- Detail starts on page 66.

E. UNDER VEHICLE (ON HOIST)

BEFORE LIFTING VEHICLE

- E01. Check wheel lug nut torque if wheels have been taken off.
- E02. Activation and initialization of tire pressure warning system
- E03. Check tires
- E04. Install wheel center caps

AFTER LIFTING VEHICLE



- E05. Remove wheel film
 - E06. Visually check transfer case & differential for leaks
 - E07. Check chassis inspection for leakage or damage
 - E08. Check/tighten chassis bolts of components that are replaced due to repairs
 - E09. Check exhaust system
 - E10. Install towing wire harness connector
- Detail starts on page 72.

F. ROAD TEST

- F01. Check engine idle speed
- F02. Check engine operation while driving
- F03. Check brake and parking brake
- F04. Check brake pedal height, free play and reserve distance, if not operating correctly
- F05. Check transmission operation
- F06. Check ECT and 2nd start switch indicator lights
- F07. Check 4-wheel drive system
- F08. Check crawl control
- F09. Check 4-wheel AHC (Active Height Control) suspension
- F10. Check active TRAC and/or VSC System
- F11. Check AFS (Adaptive Front-light System) OFF switch
- F12. Check RSCA (Roll Sensing of Curtain shield Airbag) OFF switch
- F13. Check cruise control
- F14. Check steering operation and off-center
- F15. Check abnormal noise or vibration
- F16. Check squeaks and rattles

Detail starts on page 78.

G. FINAL INSPECTION



- G01. Set functional control system switches
- G02. Remove interior protective covers, etc.
- G03. Attach the following printouts to the PDS checksheet: Battery Charge, ECU Healthcheck, Tire Pressure
- G04. Complete and sign PDS checksheet & file with PDS order
- G05. Submit product technical reports regarding quality issues as applicable
- G06. Sign the Vehicle Delivery Certificate

Detail starts on page 86.

H. TWO HOURS BEFORE DELIVERY

- H01. Place the Quick Guide booklets in the glovebox. Check that the Owner's Manual Portfolio contains the Owner's Manuals and place in trunk.
- H02. Fill up fuel tank.
- H03. Wash and clean vehicle.

Detail starts on page 88.

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III. INSPECTION DETAILS

A. VEHICLE EXTERIOR



A01. CHECK PAINT FINISH (PAINT DEFECT, DAMAGE)

- a) Wash the vehicle. (Hand washing is recommended.)
- b) Visually and by hand inspect all body panels (doors, back door, 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.

A02. CHECK 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
- k) Vehicle name mark





A03. CHECK BACK DOOR

- a) Check that the door opens and closes smoothly using the exterior door handle.
- b) Check that the back door cannot be opened by using the exterior door handle when all the doors are locked by power door lock switch, wireless remote control or key.



- c) Check the luggage compartment light comes on when the back door is opened. (For automatic type third seats only)



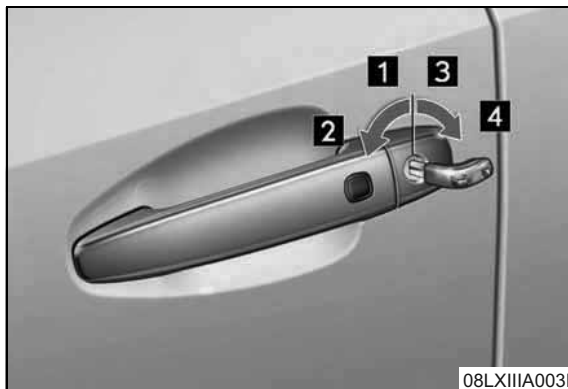
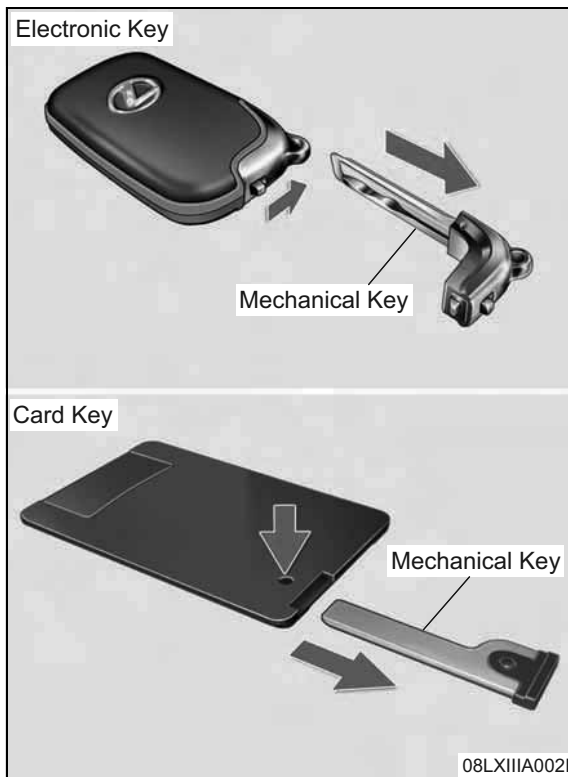
For vehicle with power back door system*

- a) Operate the power back door switch and check that the back door opens and closes properly.
- b) Check that the back door closes automatically to the full-closed position.
- c) Check that the power back door system switches on and off by operating the "PWR DOOR OFF" switch.

* Optional equipment

A04. CHECK 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.
- c) Check exterior key lock control system operation by mechanical key (with driver's door).



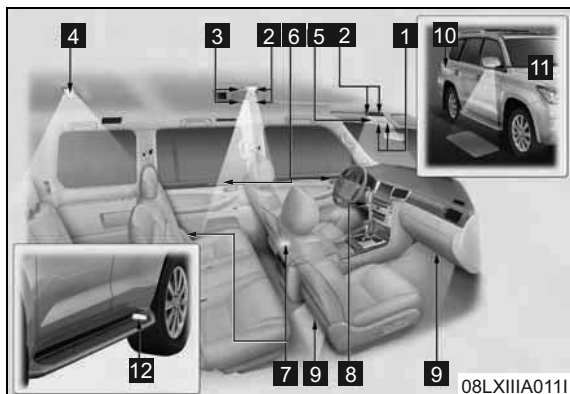
NOTE:

The following is how to remove and store the mechanical key.

- To remove the mechanical key.
Electronic key: Release the lock and pull the key out.
Card key*: Push and hold the button, and pull the key out.
- To store the mechanical key
Electronic key: Slide and hold the release knob, and insert the key.
Card key*: Push and hold the button, and insert the key.

- 1** Locks all doors
- 2** Closes the windows and moon roof.
(Turn and hold)
- 3** 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.
- 4** Opens the windows and moon roof.
(Turn and hold)

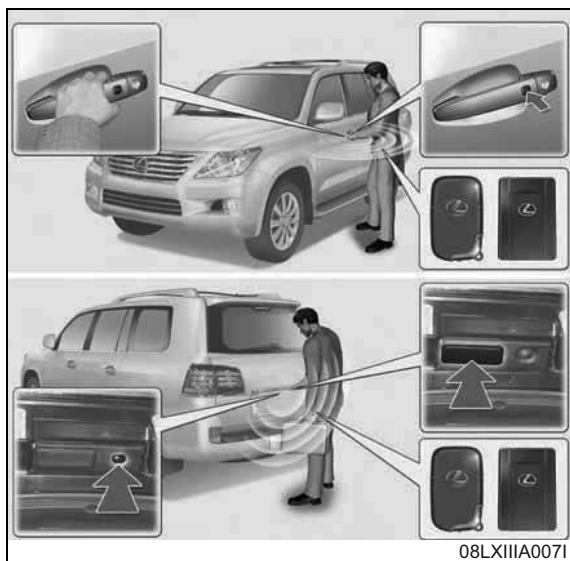
* Optional equipment



d) Check the illuminated entry system operation. The following lights will illuminate when the door is opened:

- 1** Front personal lights
- 2** Front and rear No.1 interior lights
- 3** Rear personal lights
- 4** Rear No.2 interior lights
- 5** Shift lever lighting
- 6** Inside door handle light
- 7** Door courtesy lighting
- 8** Engine switch lighting
- 9** Footwell lighting
- 10** Luggage compartment light
- 11** Outer foot lights
- 12** Running board lights

A05. CHECK SMART ACCESS SYSTEM



- a) With electronic key within the vehicle, push the lock button on the outside door handle and check that the buzzer sounds and that the door does not lock.
- b) Take the electronic key and get out of the vehicle. Push the lock button on the outside door handle and check that the door locks.
- c) From a distance of at least 1 m (3.28 ft), approach the vehicle and pull the outside door handle of left and right sides and the back door button. Check that the door unlocks.

NOTE:

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

- d) Check that the back door is unlocked by pushing the back door button.

A06. CHECK WIRELESS DOOR LOCK REMOTE CONTROL SYSTEM



Inspect the five functions of the system.

- 1** Locks all doors
- 2** Unlock all doors
- 3** Opens the windows and moon roof (Press and hold)
- 4** Opened/closed the back door* (Press and hold)
- 5** Sounds alarm (Press and hold)

a) Locking the door

1. Close all the doors.
2. Press the "LOCK" button 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 the "LOCK" button with any door not closed securely, the buzzer sounds for 10 seconds or until all the doors are closed securely.

b) Unlocking the doors

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

NOTE:

At this time, the interior light and outer foot light flashes 1 time for about 15 seconds and all the turn signal lights flash twice, sounding two beeps.

3. Check that all doors automatically re-lock after 30 seconds if any door is not opened.

c) Opening the windows and moon roof

Push the "UNLOCK" button until the windows and moon roof start moving. When the button is released, they stop opening.

NOTE:

When all the windows and the moon roof start to open, one beep sounds.

* Optional equipment

- d) Unlock and open the back door*

Keep the "Power Back Door" button pressed for about 1 second to unlock and open the back door automatically.

NOTE:

At this time, one beep sounds.

- e) Sounding an alarm

1. Keep the "PANIC" button pressed for about 1 second to sound an alarm.

NOTE:

At this time, all the headlights, tail lights and turn signal lights flash.

2. To stop the alarm, press any button.

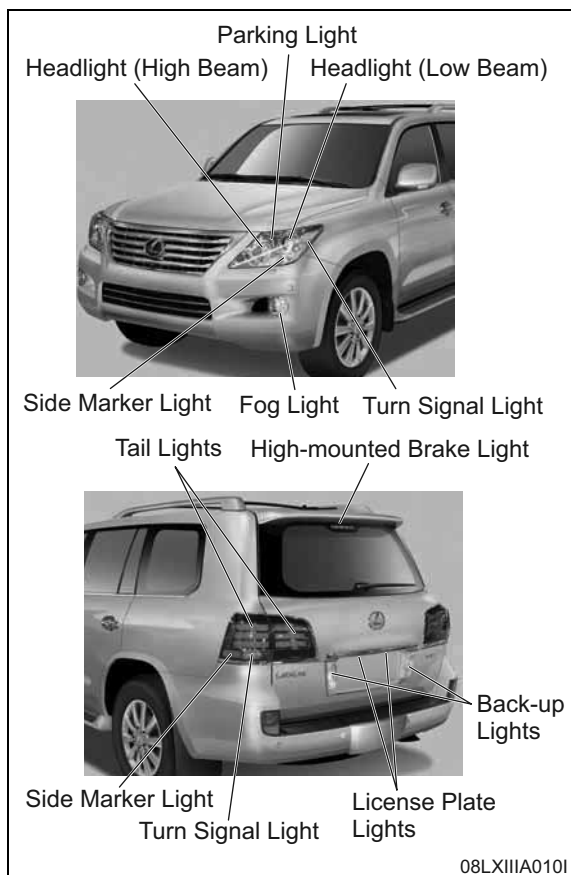


A07. CHECK THEFT DETERRENT SYSTEM

With the doors, engine hood and back door locked, check that the system operates properly.

System Test:

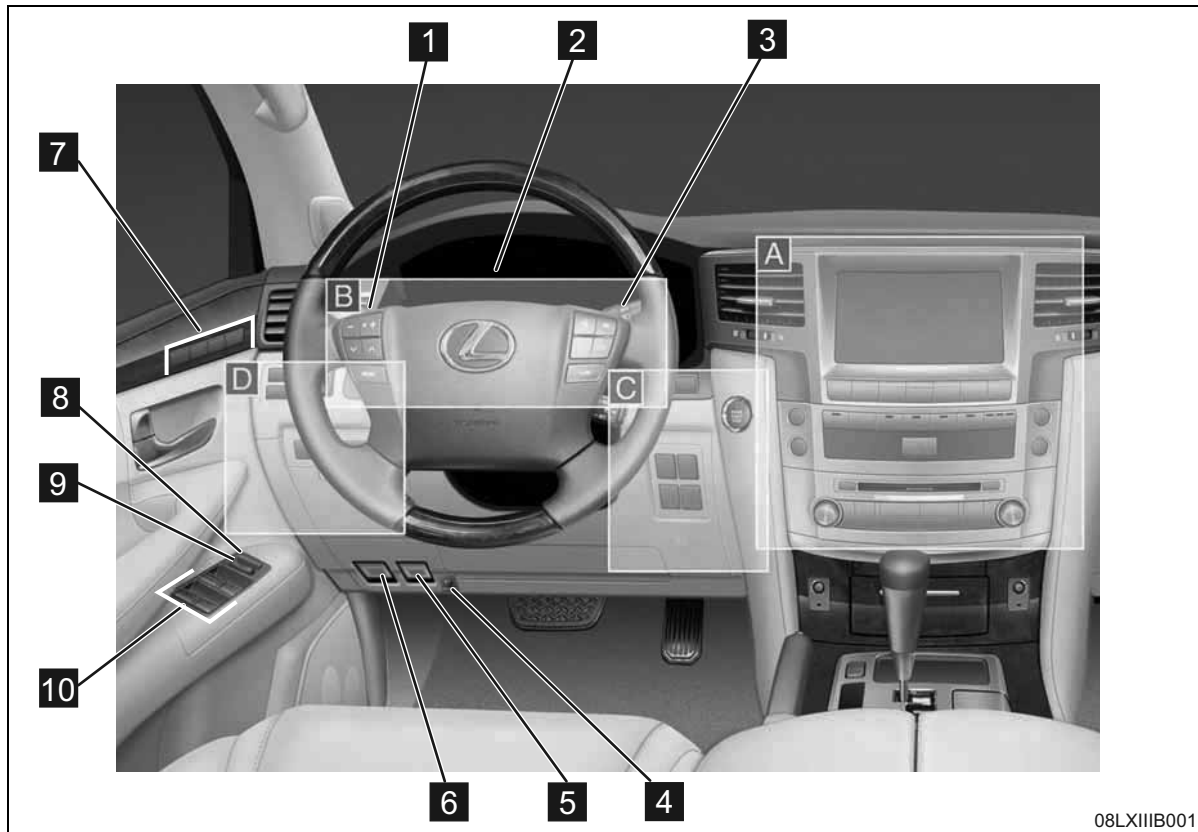
- a) Open the windows.
- b) Lock the front doors using the key. Be sure to wait until the security light on the meter starts flashing.
- c) Unlock one of the doors using the inside door lock. The system should activate the alarm (sounding of the horn, blinking of the headlights, tail lights and emergency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



A08. CHECK EXTERIOR LIGHTS

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

- a) Headlights
- b) Parking lights
- c) Side marker lights
- d) Fog lights
- e) Turn signal lights
- f) License plate lights
- g) Tail lights and high-mounted brake lights (when brake pedal is depressed)
- h) Back-up lights (when shift lever is placed in "R" position with the engine switch in "IG-ON" mode)

B. VEHICLE INTERIOR**ELECTRICAL SYSTEM / ACCESSORY OPERATION**

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		Page	Item No.
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Item
No.

* Optional equipment

B



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C

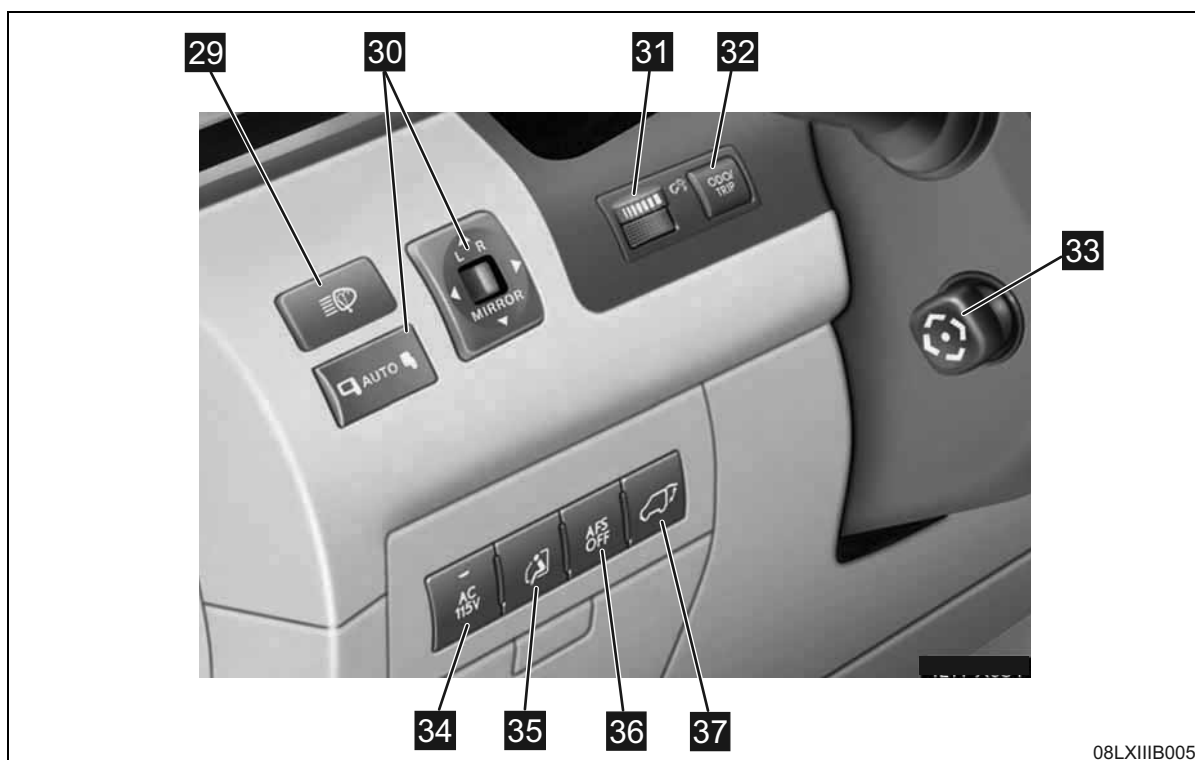


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27	Power Back Door OFF Switch*.....	16	A03
28	VSC OFF Switch.....	82	F10

* Optional equipment

D



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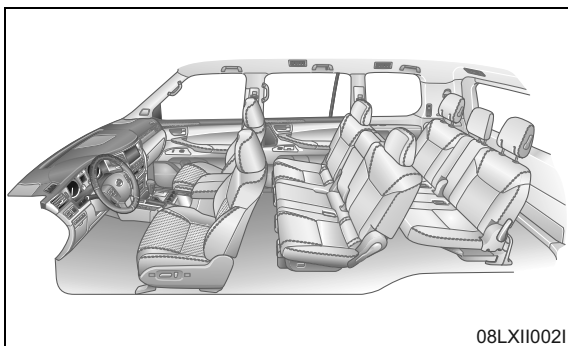
		Page	Item No.
29	Headlight Cleaner Switch*.....	45	B14
30	Outside Rear View Mirror Control Switches.....	39	B08
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32	Odometer/trip Meter and Trip Meter Reset Button.....	-	-
33	Tilt and Telescopic Steering Control Switch.....	38	B07
34	Power Outlet Main Switch.....	58	B26
35	Easy Access Mode Switch.....	81	F09
36	AFS (Adaptive Front-light System) OFF Switch.....	83	F11
37	Power Back Door Switch*.....	16	A03

NOTE:

Inspect interior parts after removing the necessary factory interior protective covering.

To prevent the battery from being discharged, the engine should be running when the electrical control switches are turned on.

* Optional equipment



B01. CHECK INTERIOR PARTS FOR DAMAGE AND FIT

Visually inspect the appearance of 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, floor carpeting and door scuff plates
- e) Console box
- f) Steering wheel

B02. CHECK POWER SUPPLY CHANGEOVER AND ENGINE START/STOP

Check for proper activation of the engine switch.

Power supply changeover

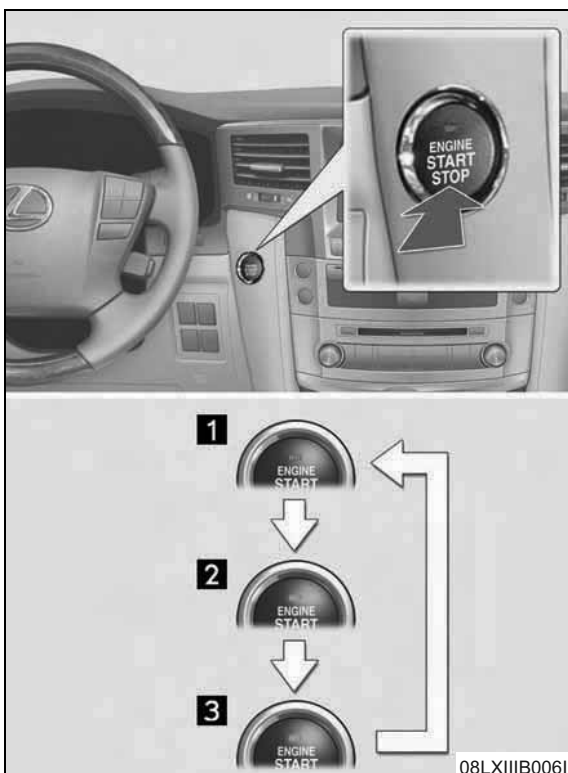
- a) Carry the electronic key in the vehicle and apply the parking brake.
- b) Without depressing the brake pedal, press the engine switch and change the power supply.

- 1 "OFF" mode.
- 2 Pressed once (from "OFF" mode):
Power supply mode is in the "ACC" mode.
- 3 Pressed twice (from "OFF" mode):
Power supply mode is in the "IG-ON" mode.
- 1 Pressed three times (from "OFF" mode):
Power supply mode is in the "OFF" mode.

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

NOTE:

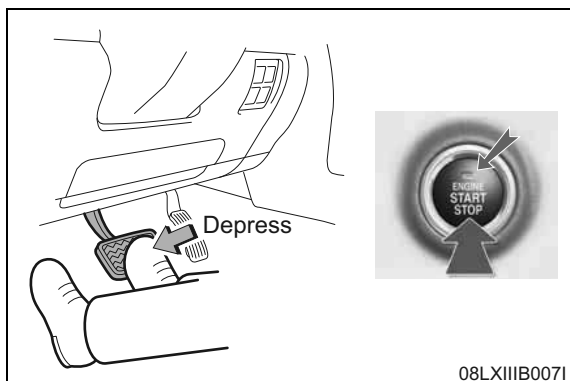
If the engine switch illuminator blinks in amber, refer to the *Repair Manual*.





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.

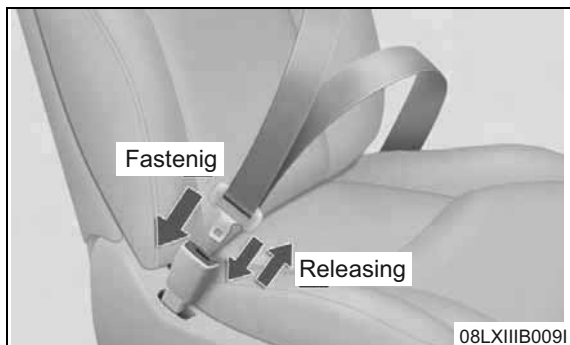


- c) When depressing the brake pedal, check that the green engine switch illuminator comes on.
- d) Press the engine switch regardless of brake position to stop the engine.



B03. CHECK ENGINE IMMOBILIZER SYSTEM

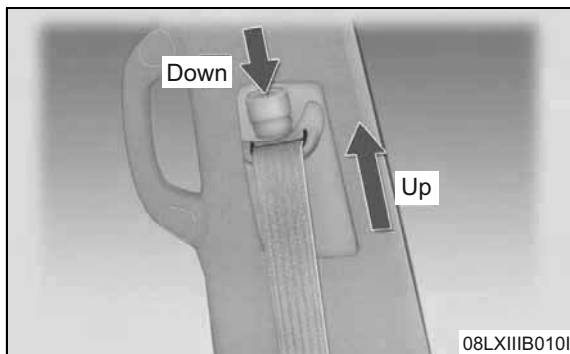
- a) Check that the security indicator light flashes when the engine switch selects the "OFF" mode.
- b) Check that the engine can be started using all the keys (master and sub keys).
- c) Check that the security indicator light turns off when starting the engine.



B04. CHECK SEAT BELTS

Check seat belts operation.

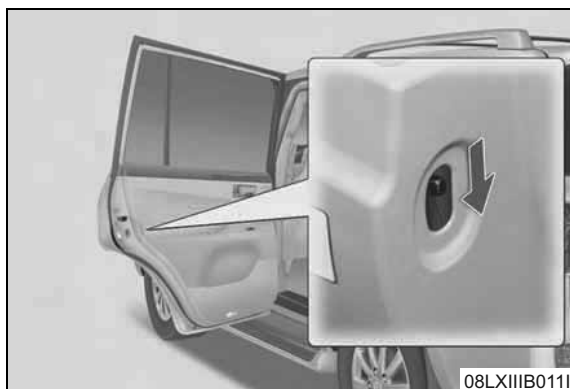
- a) Check that each belt extends and retracts smoothly.
- b) Check that the belt lengths are not twisted.
- c) Check that the buckles lock securely and release smoothly.



- d) Check that the adjustable seat belt anchors operate properly and that they securely lock in position.

B05. CHECK CHILD PROTECTOR LOCKS

Check that the rear doors 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.



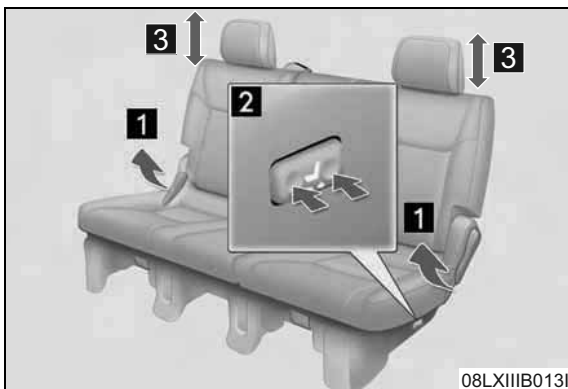
B06. CHECK POWER AND MANUAL SEATS ADJUSTMENT

Check that the seats slide smoothly, recline properly and lock securely in any position.

a) Front Seats

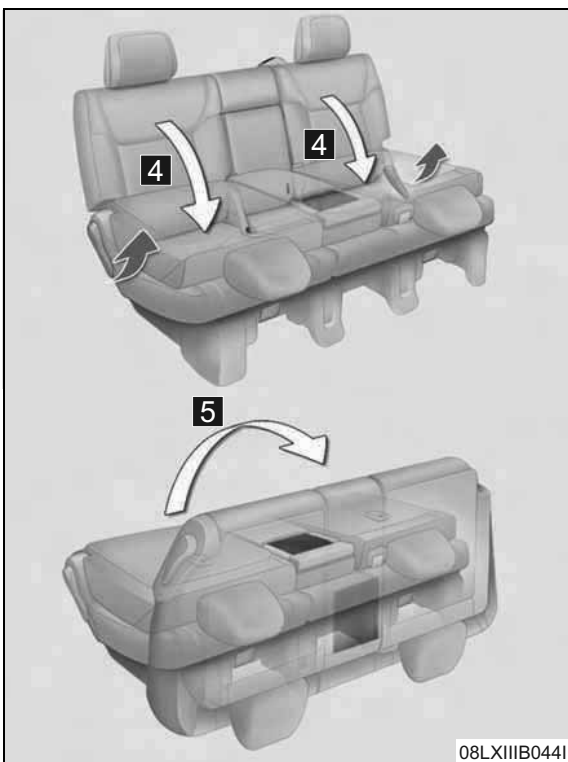
- 1 Seat slide adjustment
- 2 Seatback angle adjustment
- 3 Seat cushion angle adjustment
- 4 Vertical height adjustment
- 5 Lumbar support adjustment
- 6 Seat cushion length adjustment
- 7 Head restraints adjustment



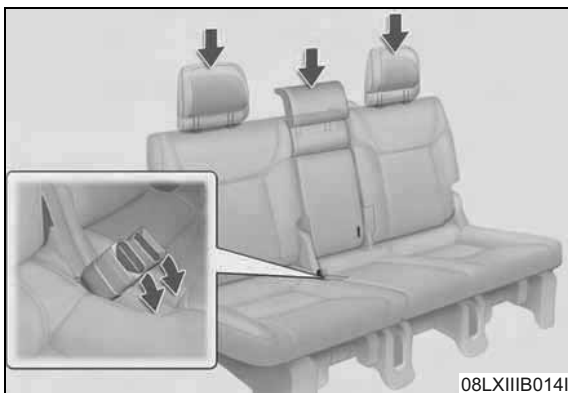


b) Second Seats

- 1 Seatback angle adjustment
- 2 Seat position adjustment
- 3 Head restraints adjustment



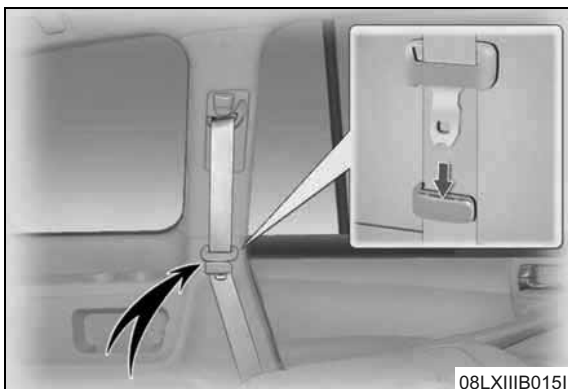
- 4 Tumble
- 5 Folds



Tumbling Instructions

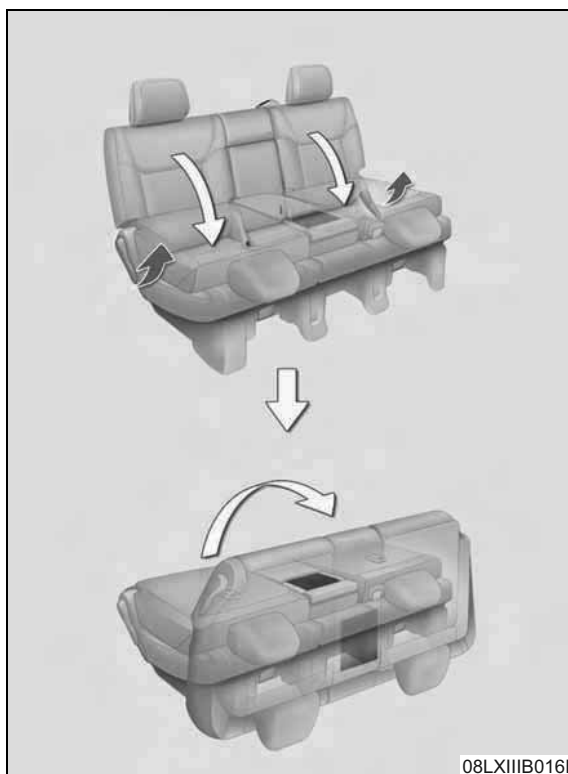
1. Before tumbling

- (1) Stow the seat belt buckles and lower the head restraints to the lowest position.

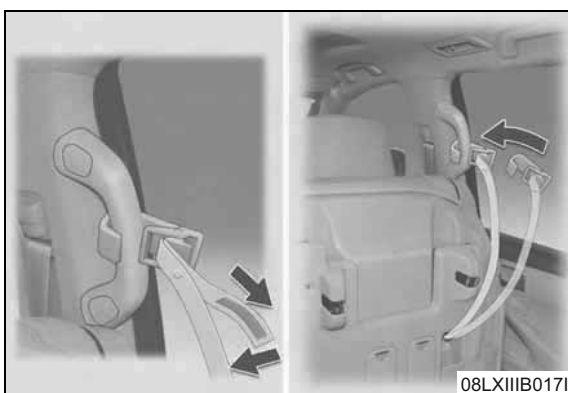


- (2) Pass the outer seat belts through the seat belt hangers and secure the seat belt plates.

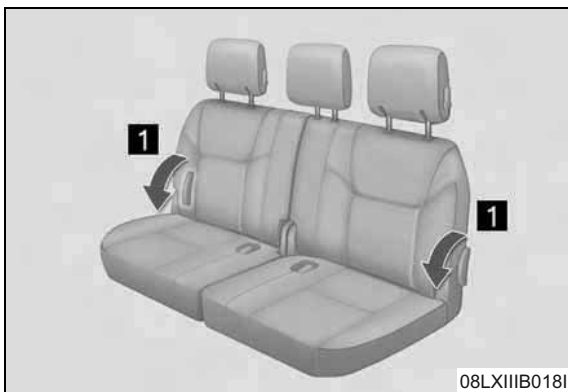
2. Tumbling



- (1) Fold down the seatback while pulling the seatback angle adjustment lever, and swing the whole seat up and forward.

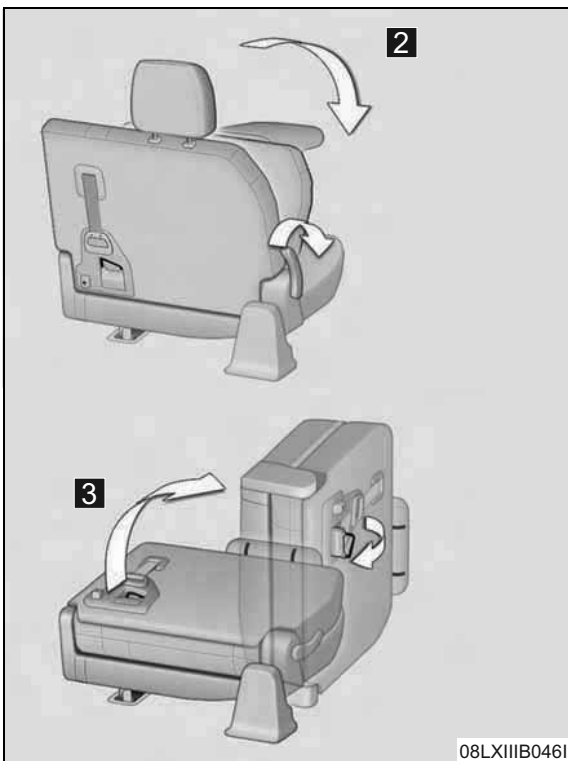


- (2) Hook the holding strap to the assist grip and secure the seat by pulling its free end.



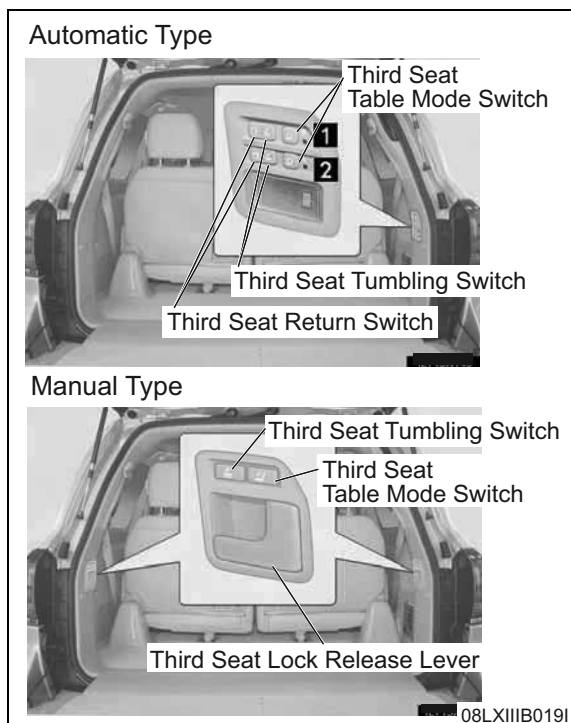
c) Third Seats

1 Seatback angle adjustment



2 Tumble

3 Folds

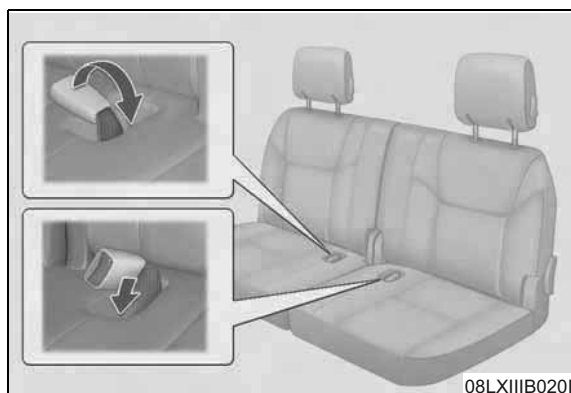


- 1 For right side
- 2 For left side

Folding and Tumbling Instructions

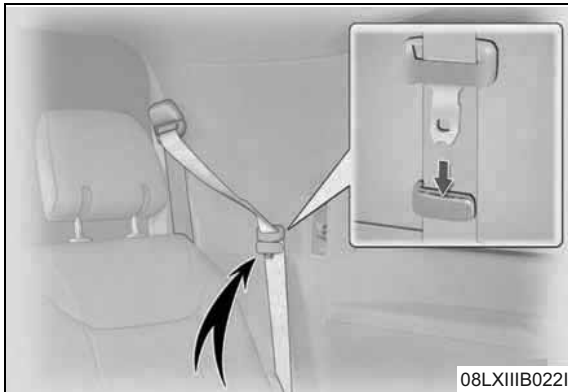
1. Before folding

(1) Stow the seat belt buckles.

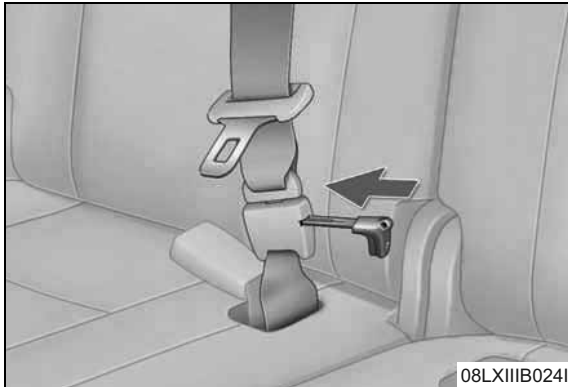


(2) Stow the center head restraint in the seatback.



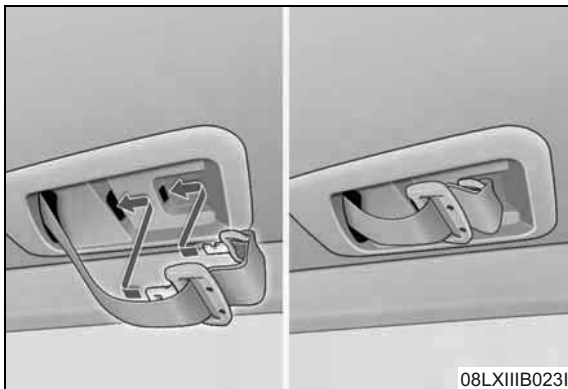


- (3) Pass the outer seat belts through the seat belt hangers and secure the seat belt plates.

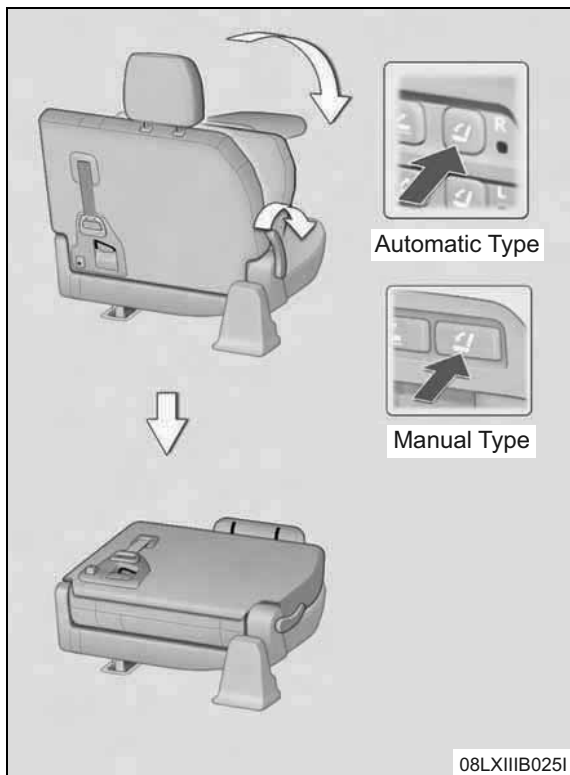


- (4) Stow the center seat belt tabs in the cover set in the roof.

- To release the hooked tab, insert the mechanical key into the hole on the buckle with the light gray buckle release button.

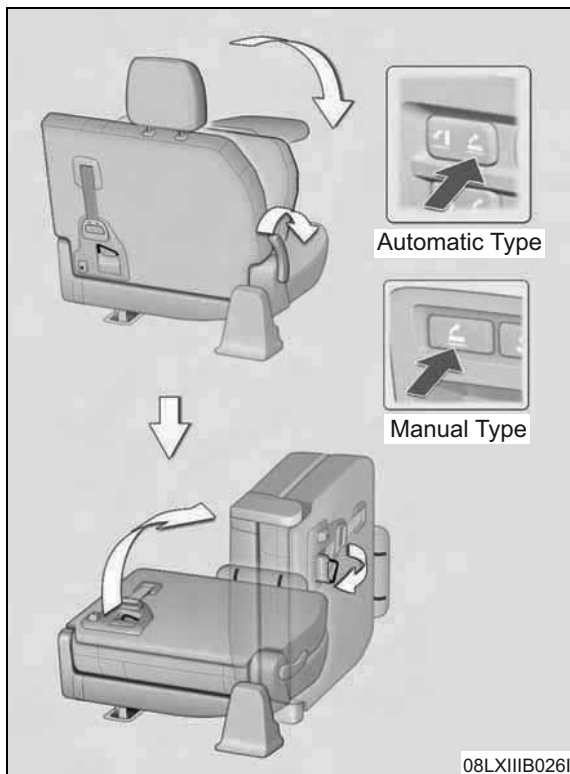


- Stow the seat belt tabs as shown.



2. Folding

The seat will automatically fold when the switch is pressed.



3. Tumbling

(1) If the switch is pressed and held, the seat will automatically fold and lift sideward.

NOTE:

For the automatic type, the buzzer sounds twice when the seat is about to lift.



- (2) Push the back of the seat cushion.
(Manual type only)

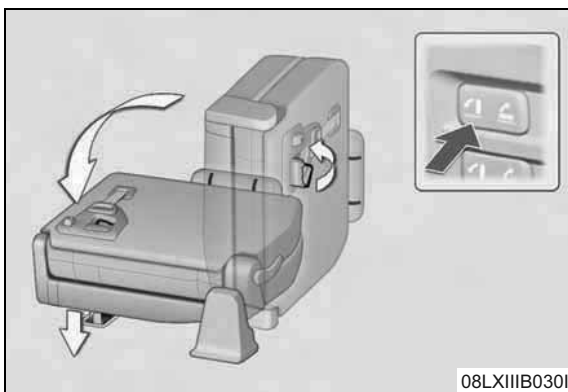


- (3) Remove the seat hook covers from the back of the seat cushion, and install them on the seat hooks.

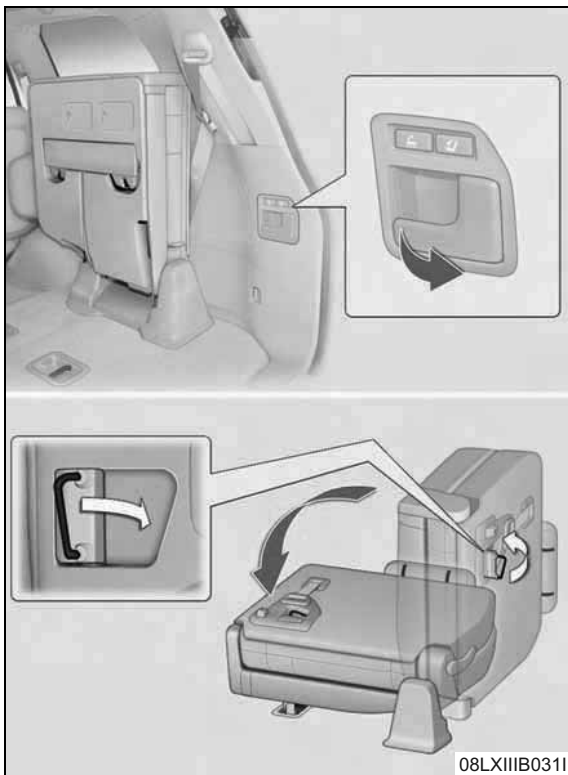


4. Returning

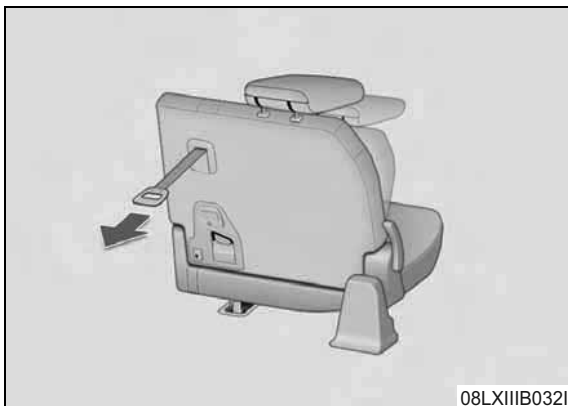
- (1) Remove the seat hook covers from the floor and install them in the back of the seat cushion.



- (2) When the switch is held down, the seat will automatically return to the folding position. (For the automatic type, the buzzer sounds twice)



- (3) Pull the seat lock release lever and lower the seat, and then lock the seat leg lock to the floor. The seatback striker will be automatically stowed when the seat is lowered. (Manual type only)



5. Pull the handle and raise the seatbacks.



6. Raise the headrests.

B07. CHECK TILT AND TELESCOPIC STEERING WHEEL

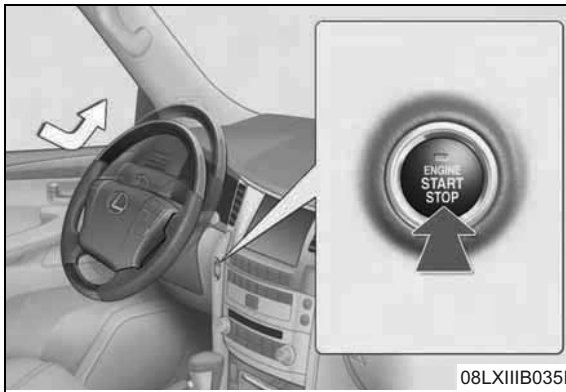
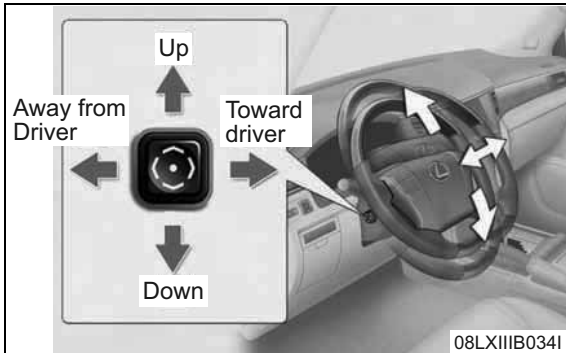
Check tilt and telescopic steering wheel operation.

a) Manual Switch Operation**Tilt Steering Wheel:**

With the engine switch in the "ACC" or "IG-ON" mode, push the control switch up or down to set the steering wheel in the desired height position.

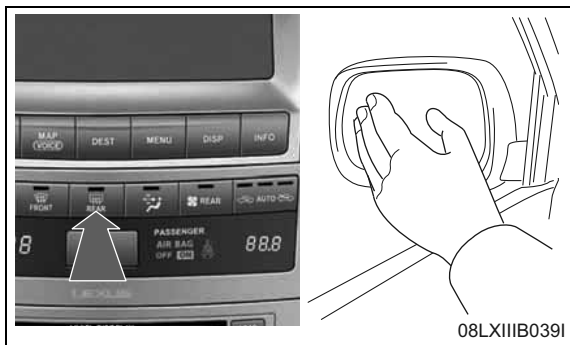
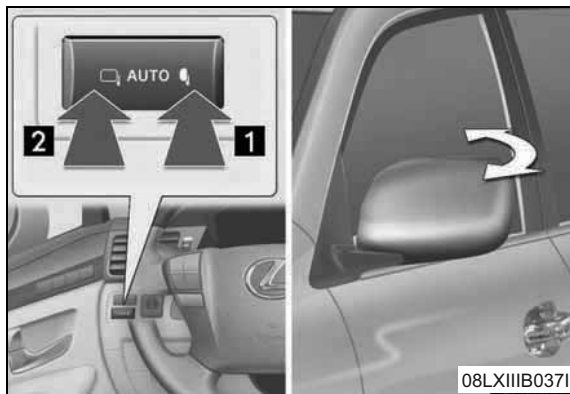
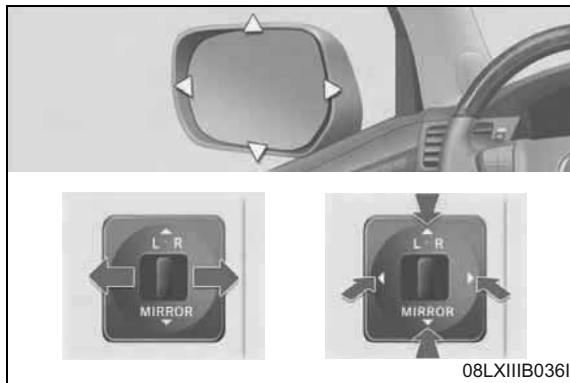
Telescopic Steering Wheel:

With the engine switch in the "ACC" or "IG-ON" mode, push the control switch up or down to set the steering wheel in the desired position.

**b) Automatic Tilt-away Operation**

- When the engine switch is switched to the "OFF" mode, the steering column moves forward away from the driver and also tilts up.
- When the engine switch is switched to the "ACC" or "IG-ON" mode, the steering column returns to the previously set position.

B08. CHECK OUTSIDE REAR VIEW MIRRORS



a) Check power outside rear view mirror operation with the engine switch in the "ACC" or "IG-ON" mode.

1. Operate the master switch "L" (left) and "R" (right) and move the control switch in the desired direction (up, down or side-to-side). Check that the mirrors operate smoothly.
2. Press the right side of the mirror folding switch to fold the mirror, and press the left side of the switch to extend the mirror.

1 Folds the mirrors

2 Extends the mirrors

b) With the engine switch in the "IG-ON" mode, check that the mirrors move down quickly by the following operation.

- Put the shift lever in the "R" position.
- Press "L" (left mirror) or "R" (right mirror) on the master switch.

c) Check the operation of the mirror defoggers.

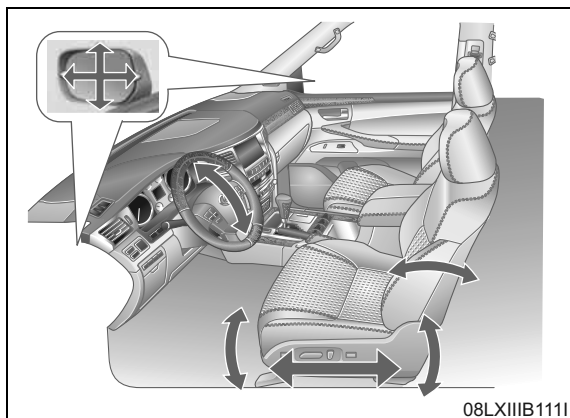
Press the rear window and outside rear view mirror defogger switch with the engine switch in the "IG-ON" mode, check by hand that the rear window and rear view mirrors become hot.

d) Check that the outer foot light operates properly in the following conditions.

- When entering the effective range of the smart access function (about 1 m (3.3 ft) from each outside door handle) with carrying the electronic key.
- The doors are unlocked with the wireless remote control.
- The doors are unlocked with power door lock switch on the driver's side.
- The shift lever is moved out of the "P" position.

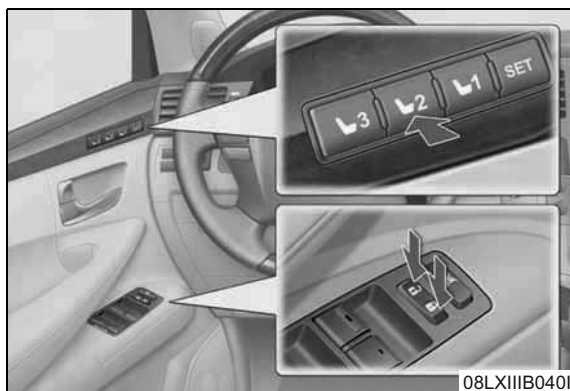
NOTE:

Check that the outer foot lights illuminate for 15 seconds and then go off.



B09. CHECK DRIVING POSITION MEMORY SYSTEM

- a) With the engine switch in the "IG-ON" mode and the shift lever in "P" position, check the operation:
1. Adjust the driver's seat, tilt and telescopic steering wheel and outside rear view mirrors to the desired positions.
 2. While pressing the "SET" button, press down the button "1", "2" or "3" a beep is heard.
 3. Check all buttons (1, 2 and 3) to make sure that all memorized settings operate correctly.
- b) With the engine switch in the "OFF" mode, close the driver's door.
- Check the driving position memory is recalled when the driver's door is unlocked.
1. Record the driving position to button "1", "2" or "3".



Using the wireless remote control:

While pressing the button "1", "2" or "3", press unlock button on the wireless remote control until the signal beeps.

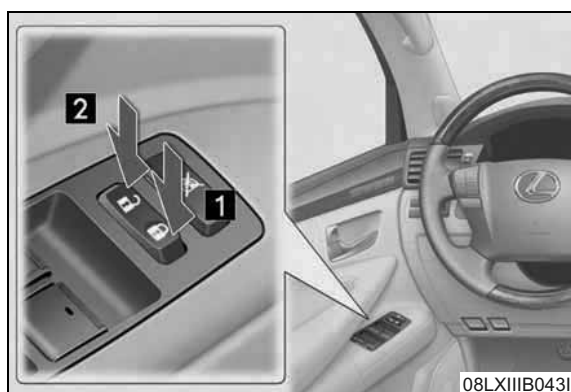
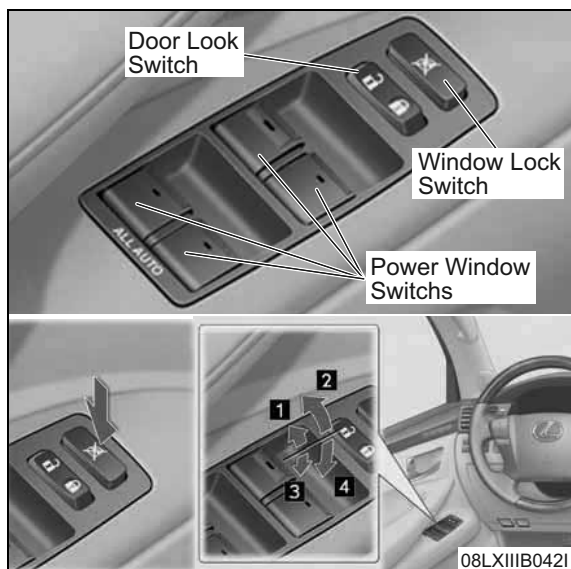
NOTE:

To prevent triggering the alarm, open the driver's door soon after the unlock button is pressed.

Using the door lock switch:

Do not carry more than one key (including a card key*) when recording. While pressing the button "1", "2" or "3", press the lock or unlock side on the door lock switch until the signal beeps.

2. Check the driver's door is unlocked using the entry function or wireless remote control, the driver's door is opened, and the stored driving position is recalled.



B10. CHECK POWER WINDOWS AND DOOR LOCKS

a) With the engine switch in the "IG-ON" mode, operate the power window switch on each door. 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 switches from the driver's and passengers' doors.

- 1 Locks all doors
- 2 Unlocks all doors

d) With the doors closed, check that the power windows can be fully operated after the engine switch has been switched to the "ACC" or "OFF" mode.

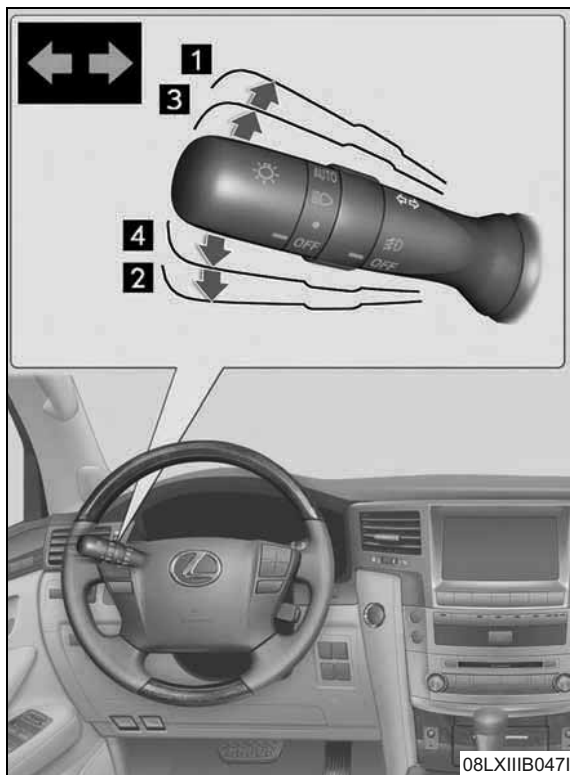
NOTE:

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

B11. CHECK FUEL FILLER DOOR OPENER

Check operation of the fuel filler door opener.

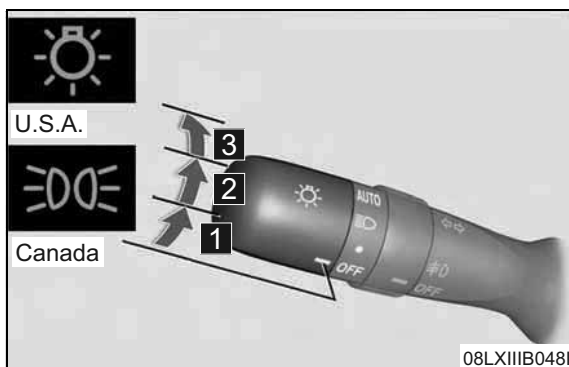




B12. CHECK TURN SIGNAL, HEADLIGHT, HIGH BEAM AND EMERGENCY FLASH-ER INDICATOR LIGHTS AND HORN

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



b) Check that the headlight indicator light illuminates when the headlights are on.

- 1 The side marker, parking, tail, license plate and instrument panel lights turn on.
- 2 The headlights and all lights listed above turn on.
- 3 The headlights and all lights listed above turn on and off automatically. (When the engine switch is in "IG-ON" mode.)

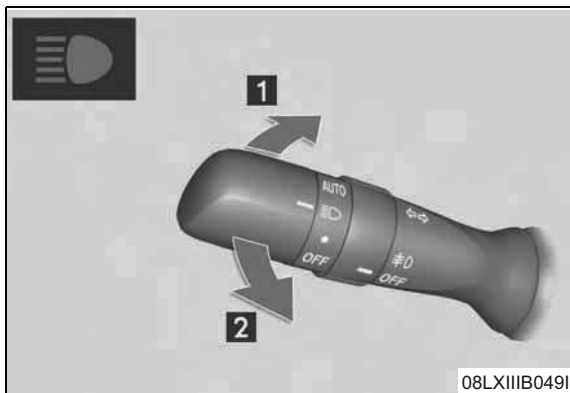
NOTE:

Headlights automatically turn off about 30 seconds after the key is removed and the driver's door is opened and closed.

c) Check operation of the automatic light control function.

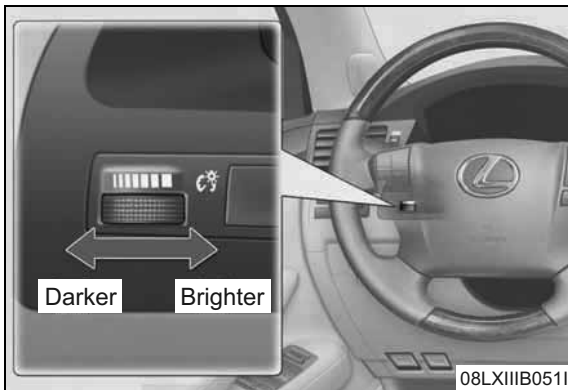
d) Check that the high beam indicator light illuminates when the high beams are on.

- 1 With the headlights on, push the lever forward to turn on the high beams.
- 2 Pull the lever toward you to turn on the high beams.

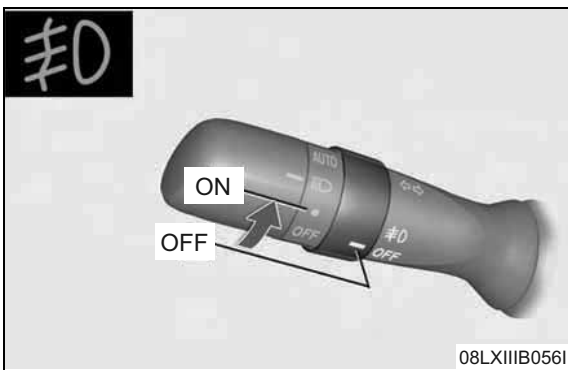




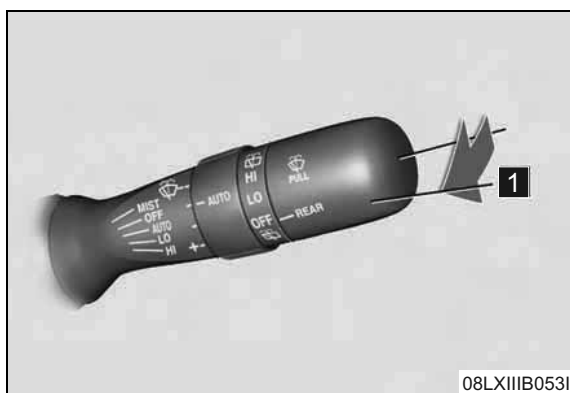
- e) Check that the turn signal lights and turn signal indicator lights blink when the emergency flasher switch is on.



- f) Check that the instrument panel light control switch operates properly.
- g) Check that the horn sounds when the horn button is pressed.



- h) Check that the front fog lights are on when front fog light switch is on with the headlights on.



B13. CHECK WINDSHIELD WIPERS AND WASHERS

With the engine switch in the "IG-ON" mode:

Front wiper

- 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.

1 Wash/wipe operation

- b) Check wiper speed operation on mist, intermittent, low and high cycles. Check that the wiper blades wipe off the washer fluid cleanly.

2 Rain-sensing wiper operation

3 Low speed wiper operation

4 High speed wiper operation

5 Temporary operation

- c) The wipers should not make any abnormal noise when operating.
- 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.

NOTE:

- The sensitivity of the sensor can be adjusted by turning the knob.
- Add washer fluid up to the proper level.



Rear wiper

- a) Twist the knob at the end of the lever and check that washer fluid squirts onto the proper area of the glass.
- b) Check wiper speed operation on intermittent and normal cycles. Check that the wiper blade wipes off the washer fluid cleanly.

1 Intermittent window wiper operation

2 Normal window wiper operation

3 Washer operation

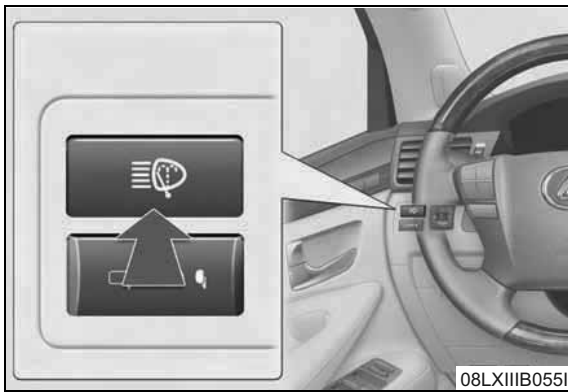
4 Washer/wiper dual operation

- c) The wiper should not make any abnormal noise when operating.

NOTE:

Add washer fluid up to the proper level.





B14. CHECK HEADLIGHT CLEANER*

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



B15. CHECK WARNING LIGHTS AND INDICATOR LIGHTS

- a) With the engine switch in the "IG-ON" mode, check that each warning and/or indicator light operates properly.
- b) With the engine switch in the "IG-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
 - SRS airbag ON/OFF indicator
 - Tire pressure warning light
 - Master warning light
 - PCS (Pre-Collision System) warning light
 - AFS (Adaptive Front-lighting System) OFF Indicator Light
 - Brake system warning light
 - Charging system warning light
 - Malfunction indicator lamp

Refer to "Warning Lights and Buzzers" on page 46 for details.

* Optional equipment

Warning Light and Buzzer

Light/Buzzer		Function/Condition
 08LXIIIIB058I	Brake System Warning Light (U.S.A.)	Brake system warning light • Low brake fluid • Malfunction in the brake system
 08LXIIIIB059I	Brake System Warning Light (Canada)	
 08LXIIIIB060I	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 20 km/h (12 mph). Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.
 08LXIIIIB061I		
 08LXIIIIB062I	SRS Airbag System Warning Light	Indicates a malfunction in: • The SRS airbag system. • The seat belt pretensioner system.
 08LXIIIIB063I	Charging System Warning Light	Indicates a malfunction in the vehicle's charging system.
 08LXIIIIB064I	Malfunction Indicator Lamp (U.S.A.)	Indicates a malfunction in: • The emission control system. • The electronic engine control system. • The electronic throttle control system. • The electronic automatic transmission control system.
 08LXIIIIB065I	Malfunction Indicator Lamp (Canada)	

Light/Buzzer		Function/Condition
 08LXIIIIB0661	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.
 08LXIIIIB0671	ABS (Anti-lock Brake System) Warning Light (U.S.A.)	The light comes on when the engine switch is in the "IG-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.
 08LXIIIIB0681	ABS (Anti-lock Brake System) Warning Light (Canada)	
 08LXIIIIB0691	PCS (Pre-Collision System) Warning Light	The light warns that there is a problem somewhere in the PCS. The light comes on when the engine switch in the "IG-ON" mode. If the system works properly, the light turns off after a few seconds.
 08LXIIIIB0701	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.
 08LXIIIIB0711	Open Door Warning Light	Indicates that a door or the back door is not fully closed. When the vehicle reaches a speed of 5 km/h (3 mph), a buzzer sounds to alert that one or more doors are not fully closed.
 08LXIIIIB0721	Unengaged "Park" Warning Light	This light comes on when the transmission "Park" mechanism is not engaged. This means that the transfer is neutral while the shift lever is in the "P" position: The transmission will disengage and the wheels will not lock.
 08LXIIIIB0731	Low Fuel Level Warning Light	Indicates the fuel level is low. (Approximately 15L [4.0 gal., 3.3 Imp. gal.])



08LXIIIB0741



08LXIIIB0751

B16. CHECK MULTI-INFORMATION DISPLAY

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

Review the following functions:

- a) Press the "DISP" switch located on the steering wheel and cycle through the following modes:
 - Outside temperature
 - Current fuel consumption
 - Average fuel consumption after refueling
 - Driving range
 - Current fuel consumption
 - Average vehicle speed
 - Driving distance
 - Tire inflation pressure
- b) Open any doors and back door, and check that the opening condition is displayed by graphic information.

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.



B17. CHECK LEXUS NAVIGATION SYSTEM*

- a) With the engine switch in the "ACC" or "IG-ON" mode, check that the initial "LEXUS" screen appears for a few seconds and then changes to the "AUDIO", "AIR CONDITIONER", "MENU" or "CAUTION" screen, depending on the previous display.

NOTE:

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

- b) Press the "CLIMATE", "AUDIO", "MENU", "MAP/VOICE" or "DEST" buttons and check that the display changes according to the pressed button.

c) XM NavWeather

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

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

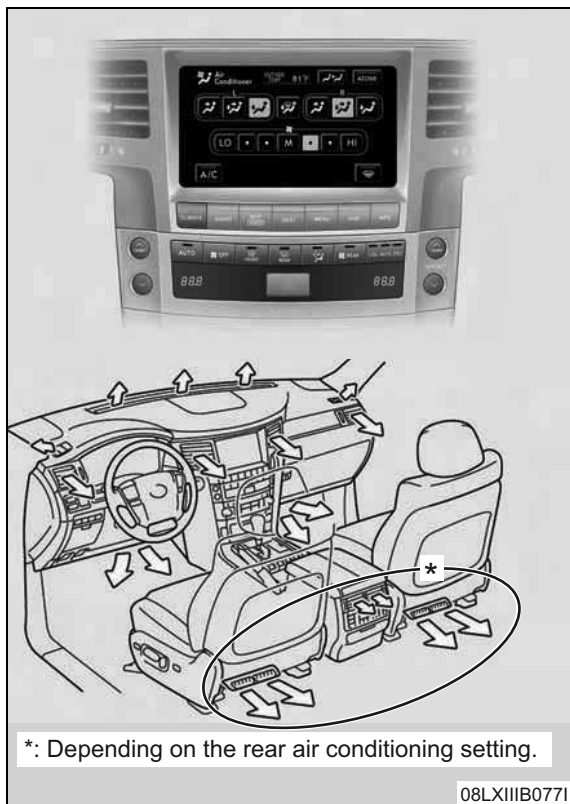
This means one of the following:

- (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.

NOTE:

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

* Optional equipment

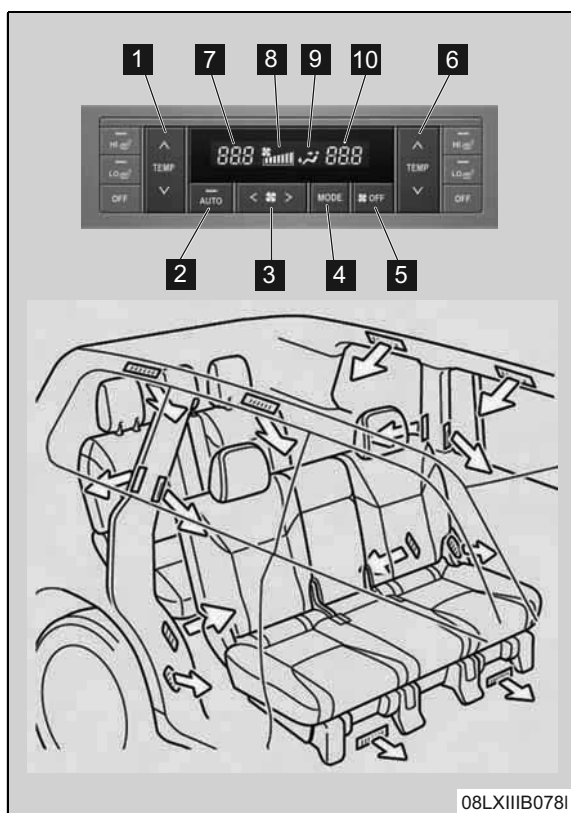


B18. CHECK AIR CONDITIONING

Warm up the engine and turn on the "A/C" button, and then check for smooth operation of each control as follows:

Before checking the air conditioning and heater, press the "CLIMATE" button to display switches for automatic air conditioning control.

- a) Press the blower button (Hi) and set the temperature to "29.4 °C (85 °F)" with the "TEMP" button.
- b) Press the windshield air flow button and check that hot air flows out of the front defroster nozzles.
- c) Set the air flow mode in "FOOT" with the "MODE" button and check that hot air flows out of the foot vents.
- d) Check that the air flow volume changes when the air intake control button is pressed.
- e) Press the "AUTO" button and the "4ZONE" button (indicator on) in order and lower the temperature of the driver's side with the "TEMP" button.
- f) Check that the display of the air flow mode and the air flow volume changes automatically.
- g) Set the temperature of the driver's side at "18.3 °C (65 °F)".
- h) Check that the temperature of the passenger side remains at "29.4 °C (85 °F)".
- i) Set the air flow mode in "FACE" with the "MODE" button.
- 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 "4ZONE" button (indicator off) and check that cool air flows out of both center vents.
- l) Check that cool air flows out of the side vents and the rear console box vent.
- m) Check that the outside temperature displays.
- n) Press the "OFF" button.
- o) Turn on the rear window defogger switch and check that the indicator light illuminates.
- p) Turn the pollen removal mode switch and check that the indicator light illuminates.



Rear Air Conditioning System

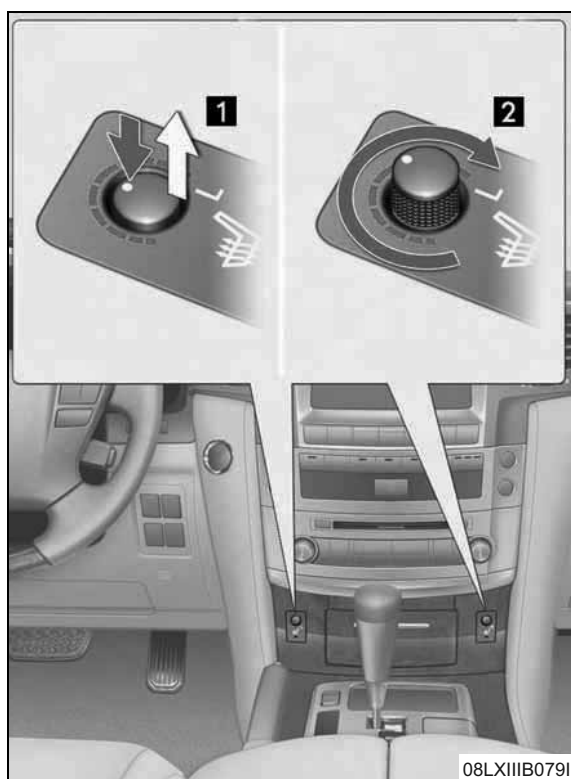
Check for smooth operation of the following controls:

- 1 Left side temperature control
- 2 Automatic mode
- 3 Fan speed
- 4 Changes the air outlets used
- 5 Off
- 6 Right side temperature control
- 7 Left side temperature setting display
- 8 Fan speed display
- 9 Airflow display
- 10 Right side temperature setting display

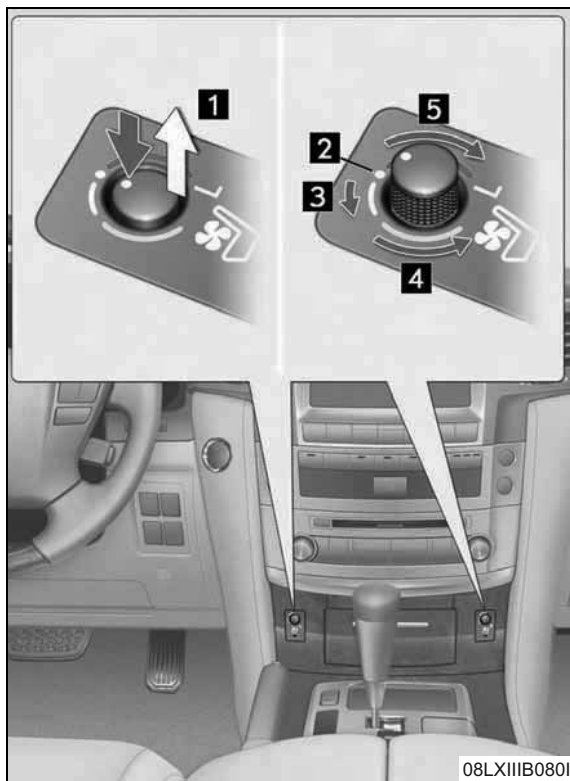
B19. CHECK SEAT HEATERS/ CLIMATE CONTROL SEATS*

a) Front seat heater control:

1. With the engine switch in the "IG-ON" mode, check that the indicator light comes on properly when the switch is turned on.
 2. Then turn the switch off and check that the indicator light goes off.
- 1 Press the knob to turn the system on.
 - 2 Turn the knob to the desired temperature setting.



* Optional equipment



b) Front climate control seats*

1. With the engine switch in the "IG-ON" mode, check that the indicator light comes on properly when the switch is turned on.
2. Then turn the switch off and check that the indicator light goes off.

- 1** Press the knob to release it, and turn the knob to the desired temperature setting.
- 2** Off
- 3** Ventilation
- 4** Cool air
- 5** Warm air

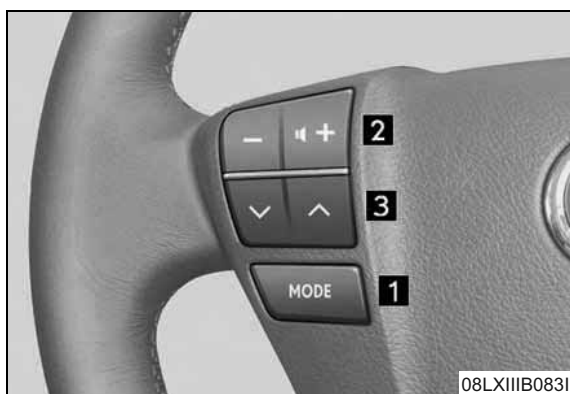


c) Rear seat heater control*

1. With the engine switch in the "IG-ON" mode, check that the indicator light comes on properly when the switch is turned on.
2. Then turn the switch off and check that the indicator light goes off.

- 1** For left second seat
- 2** For right second seat
- 3** High heating temperature
- 4** Low heating temperature
- 5** Off

* Optional equipment

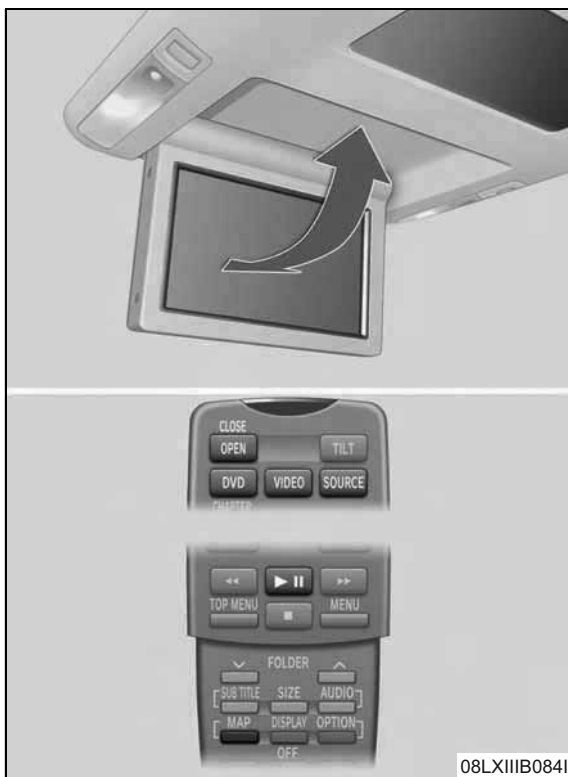


B20. CHECK AUDIO SYSTEM

- When the engine switch in the "ACC" or "IG-ON" mode, press the "PWR-VOL" knob on and check for proper operation of both AM and FM stations.
- Pre-set all the station selector buttons to local broadcast frequencies.
- CD and DVD player should be inspected for proper operation prior to delivery.

Checking audio function of the audio remote control switch

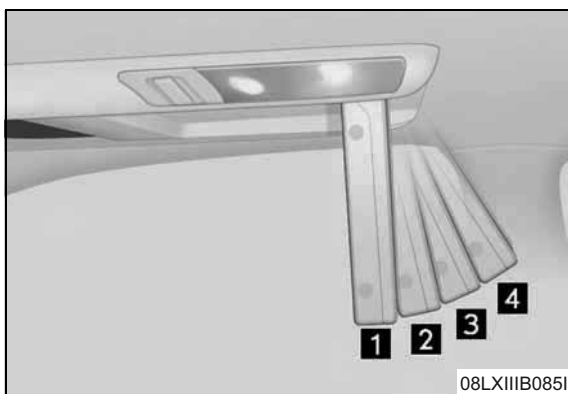
- When the engine switch in the "IG-ON" mode, press the "MODE" button located on the steering wheel and check that the mode changes as follows:
 - With CD changer:
FM (1, 2) → CD changer → AUX → AM → SAT (1, 2, 3) → FM (1, 2)
 - With DVD changer:
FM (1, 2) → Sound library → DVD changer → AUX → AM → SAT (1, 2, 3) → FM (1, 2)
- Turns the power on, selects audio source
- Check that audio volume changes when the "VOL" button on the steering wheel is pressed.
 - Volume
- Check that the select function for each mode works properly.
 - Radio mode:
Selects radio stations
 - CD mode:
Selects tracks, files (MP3 and WMA) and discs
 - DVD mode (DVD player only):
Selects tracks, chapters and discs
 - Sound library mode (DVD player only):
Selects tracks, albums, artists and genres.



B21. CHECK REAR SEAT ENTERTAINMENT SYSTEM*

- With the engine switch in the “ACC” or “IG-ON” mode, check opening, tilting, closing of the display with the rear seat entertainment system controller.

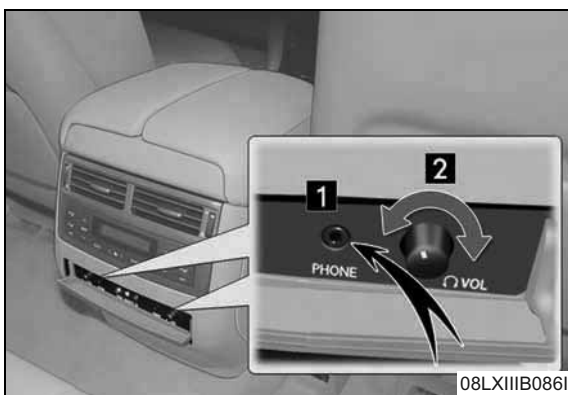
a) Press the “OPEN/CLOSE”, “DVD”, “MAP” (with navigation system), “VIDEO” or play/pause button and check that the display opens.



b) Press the “TILT” button repeatedly and check that the display angle changes as follows:

1 → **2** → **3** → **4** → **1**

c) Press the “OPEN/CLOSE” button again and check that the display closes.



- Insert the headphone into the headphone jack, and then check for smooth operation of the following controls:

- 1** Headphone jack
- 2** Volume knob

* Optional equipment



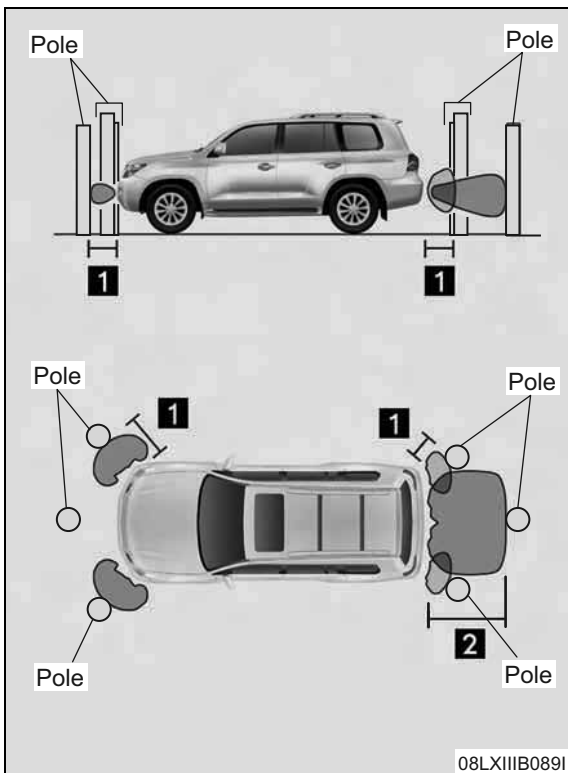
- a) Press the "SOURCE" button, and check that the audio source selection screen appears.
- b) Check for proper operation of both AM and FM stations.
- c) The CD and DVD player should be inspected for proper operation prior to delivery.

B22. CHECK INTUITIVE PARKING ASSIST SYSTEM*

This procedure is performed put a pole (Ø 60 mm (2.36 in) at 6 points:



- a) When the engine switch in the "IG-ON" mode, Press the main switch and operate the shift lever.
 - When checking the front side, move the shift lever to a position other than the "P" or "R" position.
 - When checking the rear side, move the shift lever to the "R" position.

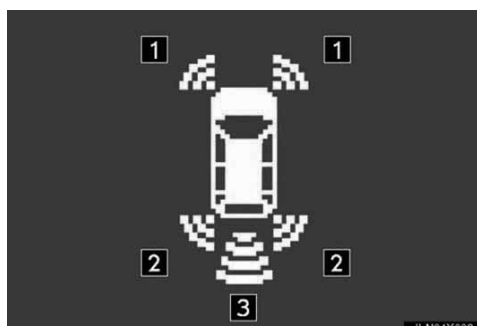


- b) Pole stands at point as illustrated and gradually approaches the vehicle.

- 1** About 60 cm (23.6 in., 2.0 ft.)
- 2** About 100 cm (39.4 in., 3.3 ft.)

* Optional equipment

Multi-information display



Touch screen



08LXIIIIB090I

- c) Check that the buzzer sounds and the indicator bar is displayed on the multi-information display and touch screen.

Multi-information display

- 1 Front corner sensor detection
- 2 Rear corner sensor detection
- 3 Back sensor detection

Touch screen

- 1 Full screen display
- 2 Vehicles with rear view monitor system*

At the same time, check that the interval of the buzzer shortens and ultimately changes to the continuous sound.

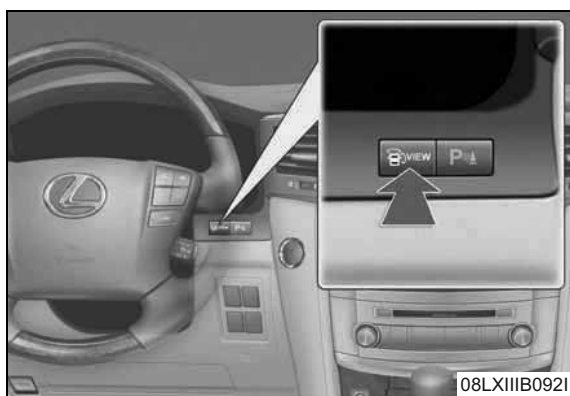


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B23. CHECK REAR VIEW MONITOR SYSTEM*

When the engine switch is in the "IG-ON" mode and the shift lever is shifted in the "R" position, check that the rear view is displayed on the screen.

* Optional equipment



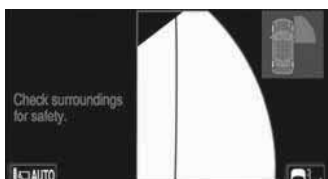
1 Wide-View Front & Side Monitor Simultaneous Display



2 Wide-View Front Monitor



3 Side Monitor



B24. CHECK WIDE-VIEW FRONT AND SIDE MONITOR SYSTEM*

When the engine switch is in the "IG-ON" mode and the shift lever is shifted in the "P" or "D" or "N" position, check that the wide view front and side monitor is displayed on the screen.

a) Press the "VIEW" switch and check that the each monitor changes as follows:

- When the wide-view front monitor was displayed the previous time:

1 → **2** → **3** → **1**

- When the side monitor was displayed the previous time:

1 → **3** → **2** → **1**



B25. CHECK AND SET CLOCK

With the engine switch in the "ACC" or "IG-ON" mode, check that the clock is operating.

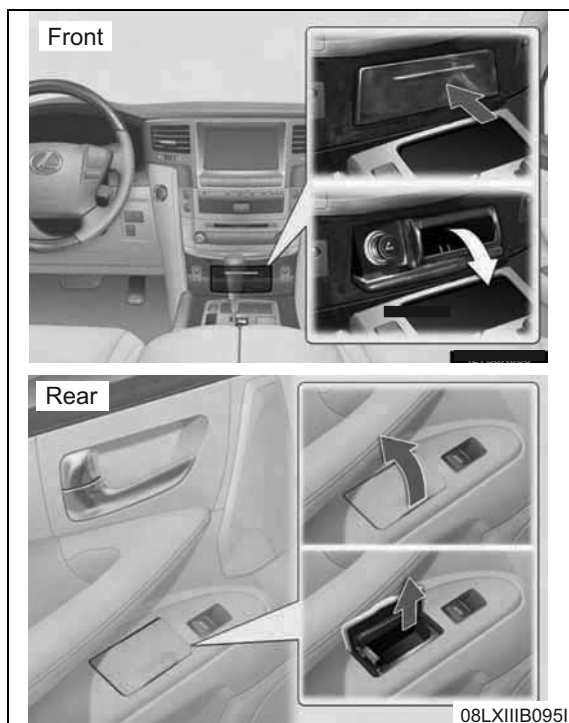
Without navigation system:

- Press the "INFO" button.
- Touch "Adjust Clock".
- Set the clock to the proper time.
To reset the hour, touch "H".
To reset the minutes, touch the "M".
To adjust the time to the nearest hour, touch ":00".
- Turn daylight saving time on.
- Turn daylight saving time off.
- After setting, touch "OK".

With navigation system:

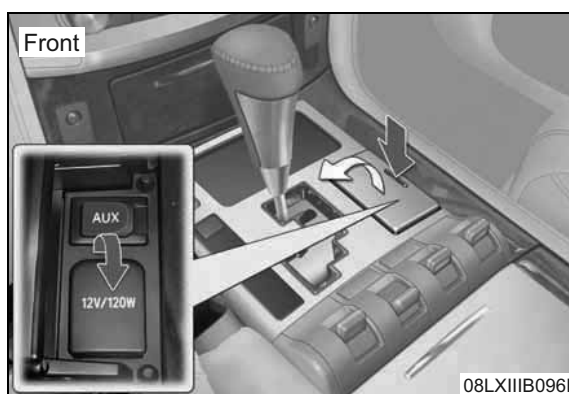
Refer to *Navigation System Owner's Manual*.

* Optional equipment

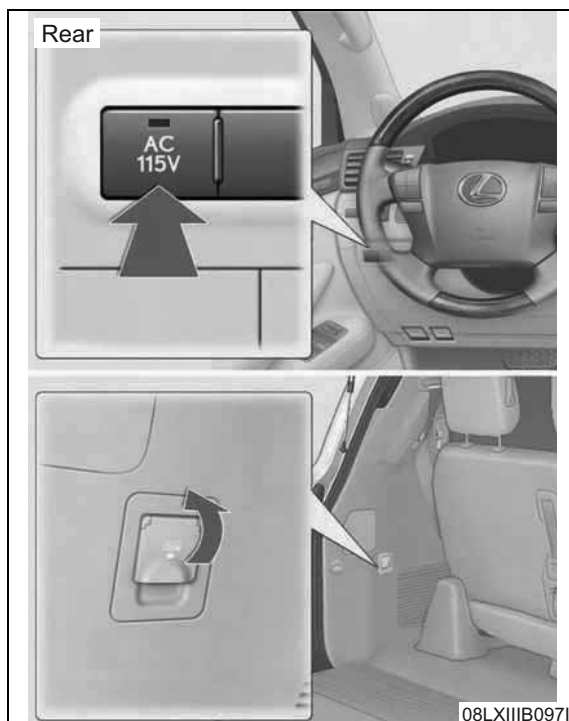


B26. CHECK ASHTRAYS, CIGARETTE LIGHTER AND POWER OUTLET

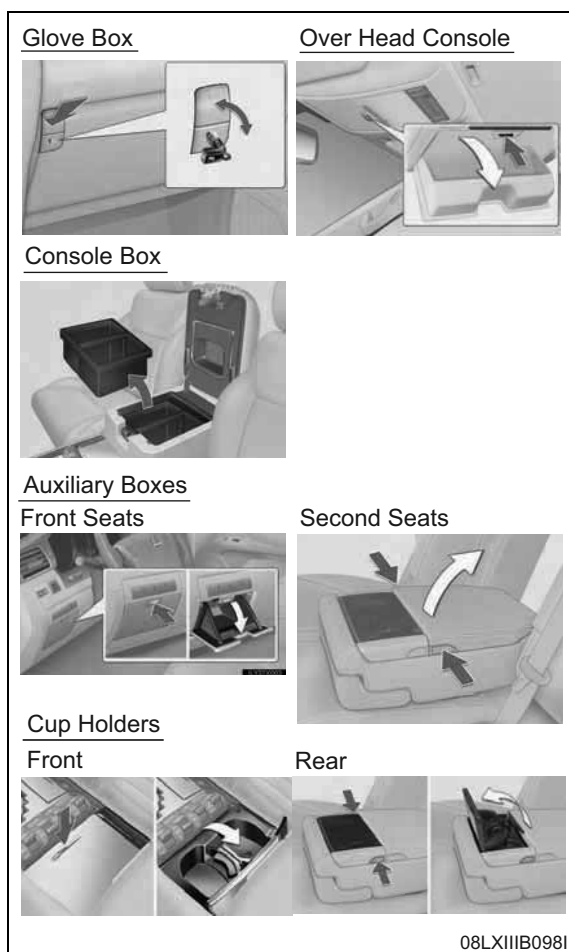
- a) Check that the front and rear ashtrays open and close.
- b) With the engine switch in the "ACC" mode, push in the cigarette lighter and check that the coils are bright red when the lighter automatically pop out.



- c) With the engine switch in the "ACC" or "IG-ON" mode, check the power outlet in the console box using an electrical accessory designed for this use.



- d) With the engine switch in the "IG-ON" mode, press the power outlet main switch and check that the indicator light illuminates. Check the power outlet (AC 115V) in the luggage compartment using an electrical accessory designed for this use.



B27. CHECK GLOVE BOX, OVER-HEAD CONSOLE, CONSOLE BOXES, AUXILIARY BOXES AND CUP HOLDERS

Check that the glove box, overhead console, console box, auxiliary boxes and cup holder open and close smoothly and that they do not make any noise during operation.



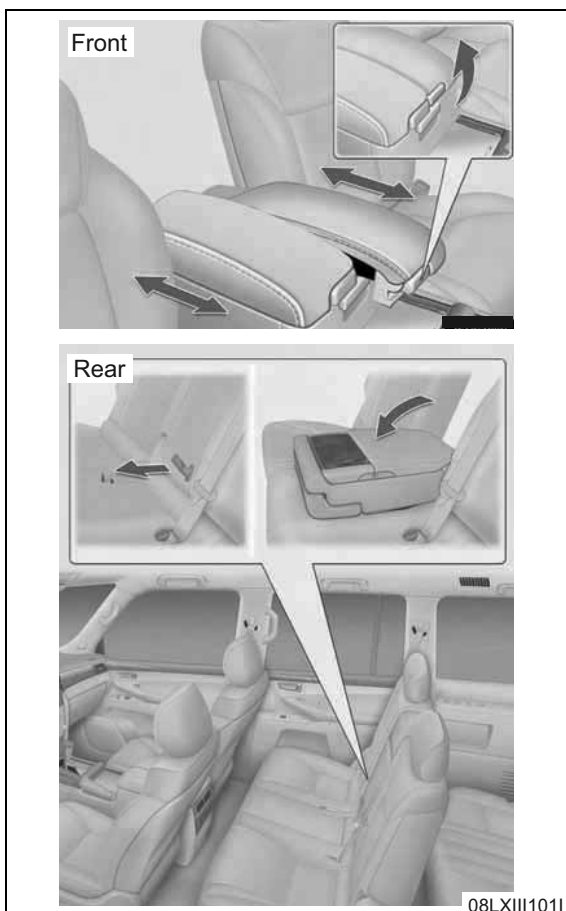
B28. CHECK COOL BOX*

- Check that the door of the cool box opens and closes smoothly.
- Turn the cool box switch on and check the cooling operation of the cool box for any trouble.

NOTE:

When the cool box is on, the indicator light comes on and the front air conditioning system is activated. (The air conditioning system cannot be turned off.)

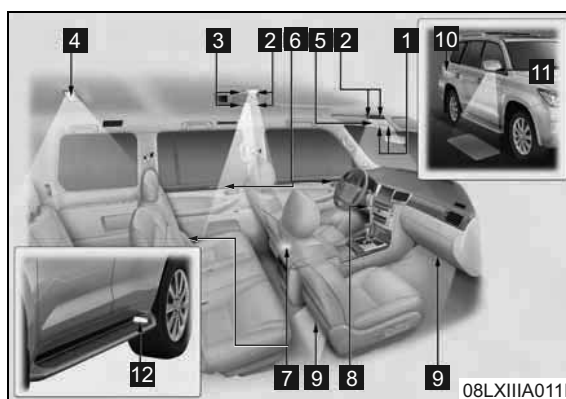
* Optional equipment

**B29. CHECK ARMREST**

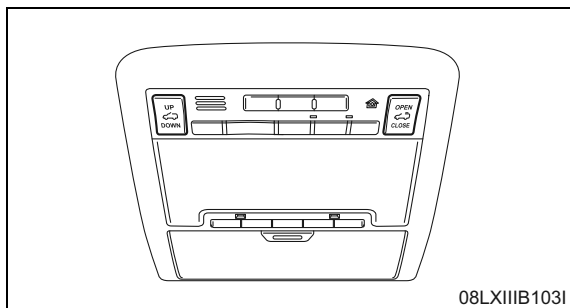
Check that the center armrest and center armrest door open and close smoothly.

B30. CHECK INTERIOR, PERSONAL, INSIDE DOOR HANDLE, SHIFT LEVER, DOOR COURTESY, ENGINE SWITCH, FOOTWELL, LUGGAGE COMPARTMENT, OUTER FOOT AND RUNNING BOARD LIGHTS

Check operation of the following interior lights:



- 1** Front personal lights
- 2** Front and rear No.1 interior lights
- 3** Rear personal lights
- 4** Rear No.2 interior lights
- 5** Shift lever lighting
- 6** Inside door handle light
- 7** Door courtesy lighting
- 8** Engine switch lighting
- 9** Footwell lighting
- 10** Luggage compartment light
- 11** Outer foot lights
- 12** Running board lights



B31. CHECK MOON ROOF

With the engine switch in the "IG-ON" mode, check for smooth operation, travel and any unusual noise.

- a) Check the tilt function - open and close.
- 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, and then release the switch. The moon roof should automatically slide to the comfort stop position and stop once. To fully open the moon roof, press the switch in the open direction again.

NOTE:

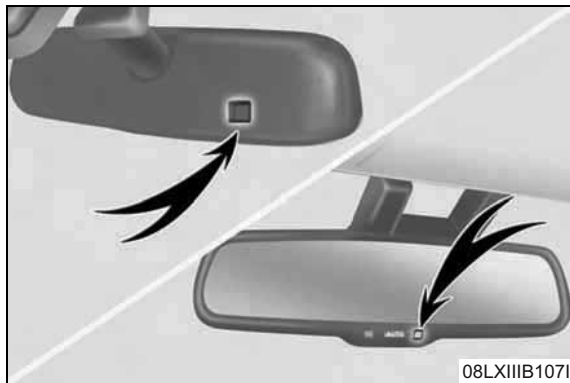
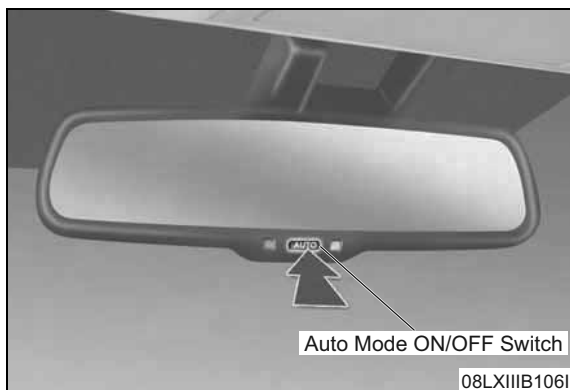
To stop travel of the moon roof when it is in the automatic open mode, press the slide switch towards the close position prior to the moon roof fully opening.

- c) To close the moon roof, hold the moon roof switch in the close direction for 1 second, and then release the switch. The moon roof should automatically slide to the fully closed position.
- d) The sun shade can be opened or closed manually; however, the sun shade will automatically open with the moon roof.
- e) Check that the moon roof can be fully operated after the engine switch has been switched to the "ACC" or "OFF" mode.

NOTE:

However, it can not be operated after 45 seconds or if either front door is opened.

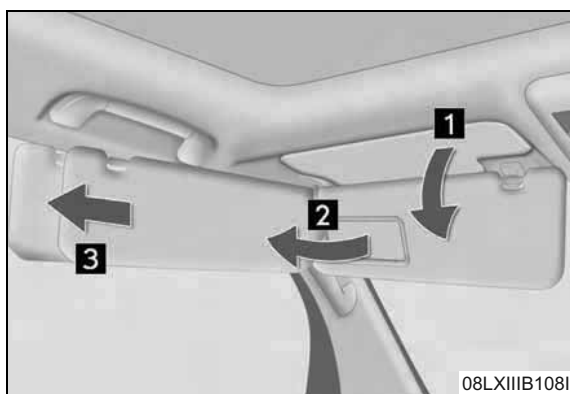




B32. CHECK INSIDE REAR VIEW MIRROR

Check that the inside rear view mirror operation.

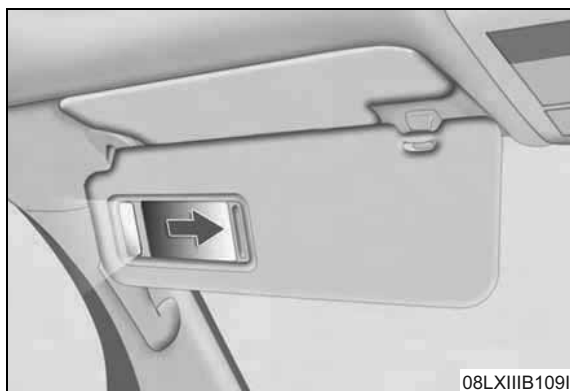
- Press the engine switch to select the "IG-ON" mode, and check that the mode indicator on the inside rear view mirror illuminates ("AUTO" mode).
- Check that the mode changes between the "AUTO" mode (mode indicator on) and "DAY" mode (mode indicator off) alternately by pressing the "AUTO" switch.
- Turn the interior light to the "ON" position and cover the rear view mirror forward light sensor (located in front side of mirror). The rear view mirror and both outside mirrors should darken. When the interior light is "OFF" and your finger is removed, the mirrors should be brightened.



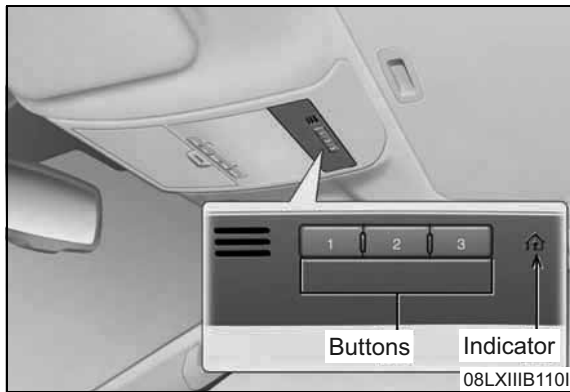
B33. CHECK SUN VISORS AND VANITY MIRRORS

- Check that the sun visors are easy to use in the following operations:

- 1** Flip down
- 2** Unhook and swing to the side
- 3** Place in side position, and slide backward



- Open the cover and check that the vanity light comes on.



B34. CHECK Home Link® GARAGE DOOR OPENER

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



SAFETY CONNECT®

Inspect the Safety Connect LED (located in the overhead console) for a green activation 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 Light indicator

NOTE:

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



B35. CHECK ON-BOARD DIAGNOSTIC SYSTEM OPERATION

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

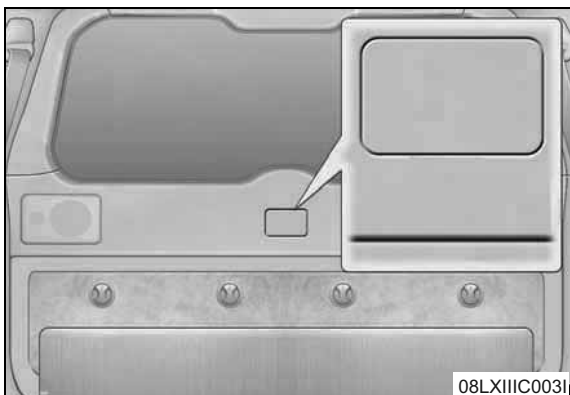
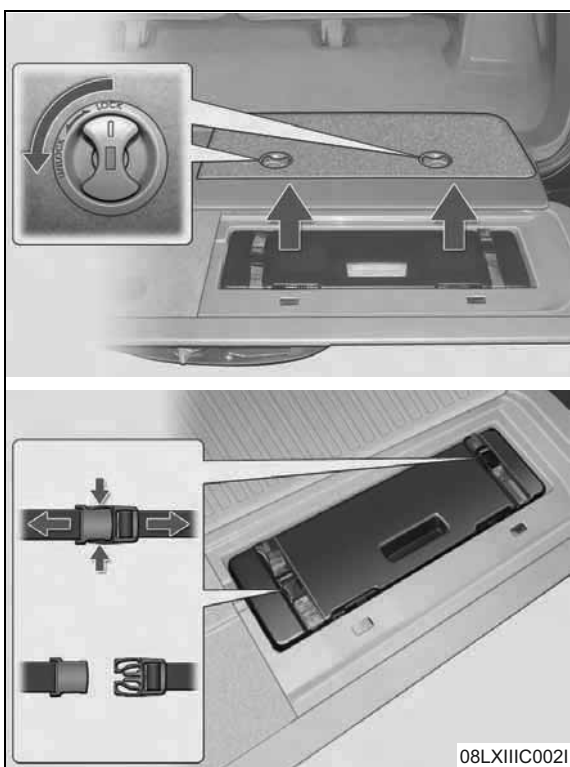
For details of this procedure, refer to the engine troubleshooting section of the *Repair Manual*.

C. LUGGAGE COMPARTMENT



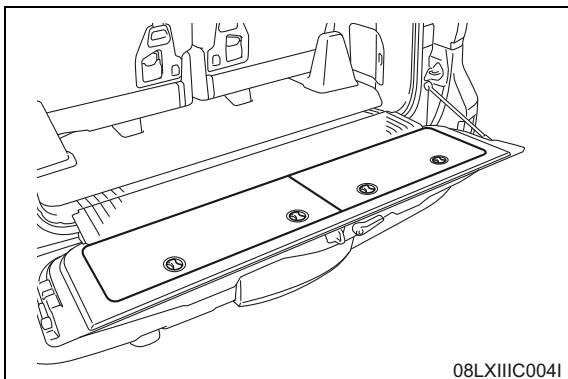
C01. CHECK TOOLS, JACK AND JACK HANDLE

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



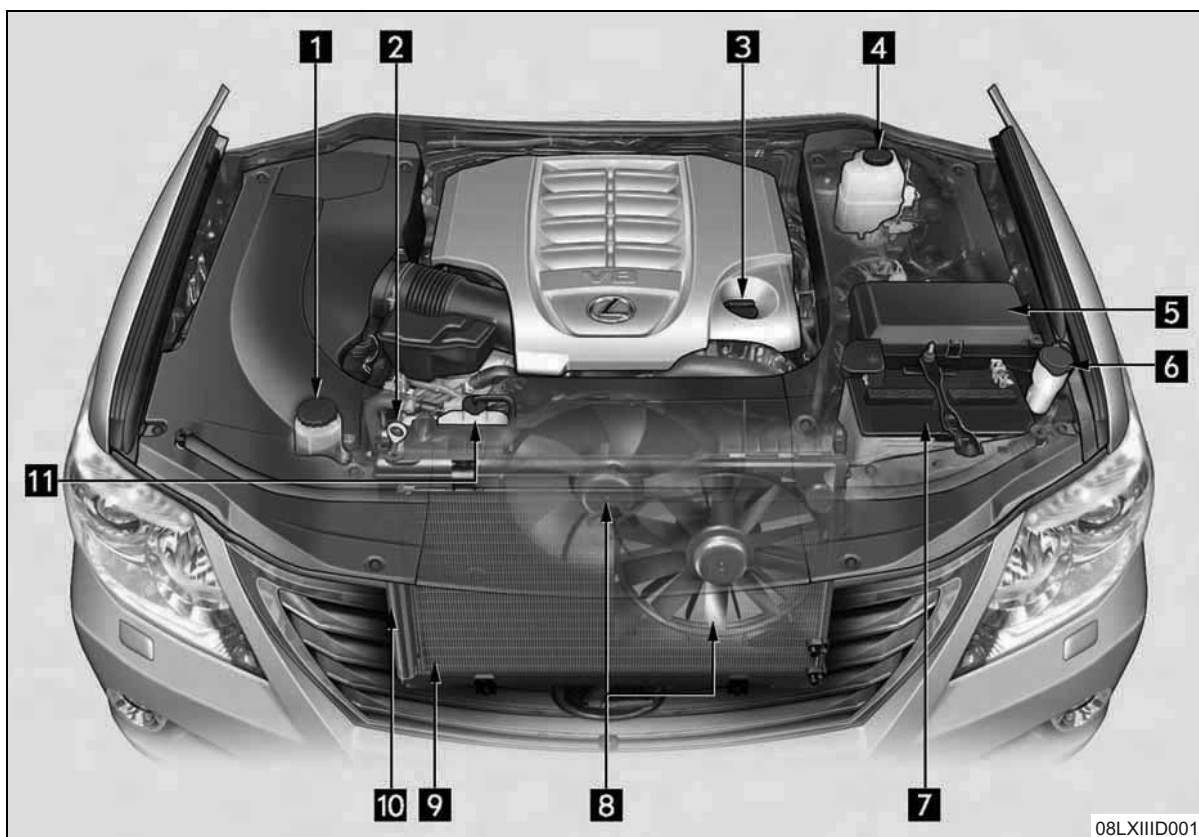
C02. CHECK MANUAL BACK DOOR OPENER

Check for proper operation of the manual back door opener located on the back door.



C03. CHECK TRIM APPEARANCE AND LUGGAGE CARPET FIT

Inspect the luggage trim, luggage installation and appearance.

D. UNDER THE HOOD**ENGINE COMPARTMENT OVERVIEW**

		Page	Item No.
1	Power Steering Fluid Reservoir.....	68	D04
2	Engine Oil Level Dipstick.....	67	D02
3	Engine Oil Filler Cap.....	-	-
4	Brake Fluid Reservoir.....	68	D03
5	Fuse Box.....	-	-
6	Washer Fluid Tank.....	69	D06
7	Battery.....	69	D07
8	Cooling Fan.....	69	D11
9	Condenser.....	-	-
10	Radiator.....	-	-
11	Engine Coolant Reservoir.....	69	D05

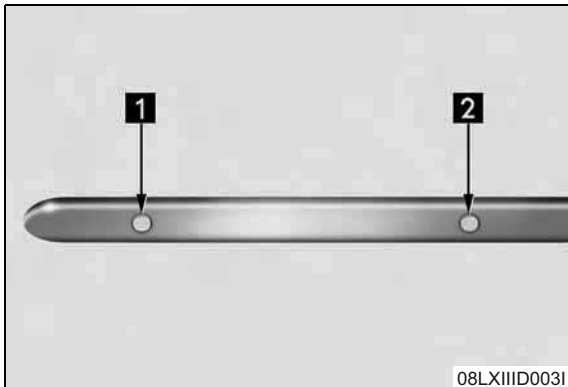
NOTE:

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



D01. CHECK 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.



D02. CHECK ENGINE OIL LEVEL (ENGINE 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 for dirt or impurities in the oil.

NOTICE:

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



D03. CHECK BRAKE FLUID LEVEL

Visually check the fluid level through the reservoir.

- a) Turn the engine switch off
- b) Depress the brake pedal more than 40 times.
- c) Check that the fluid level is at the "MAX" line.

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.

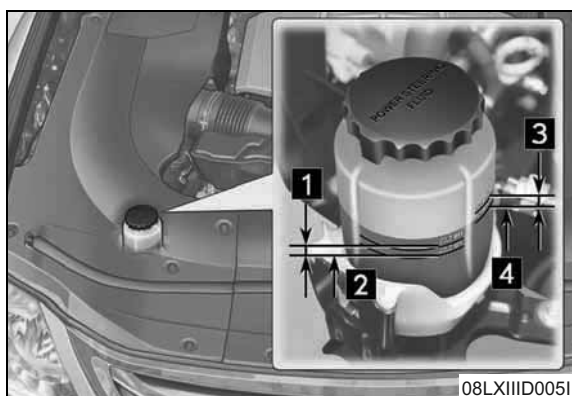
Brake fluid level should be the "MAX" line (within 5.0 mm [0.2 in.] below).

1 MAX

2 MIN

NOTE:

Refer to the *Repair Manual* for fluid specifications.



D04. CHECK POWER STEERING FLUID LEVEL

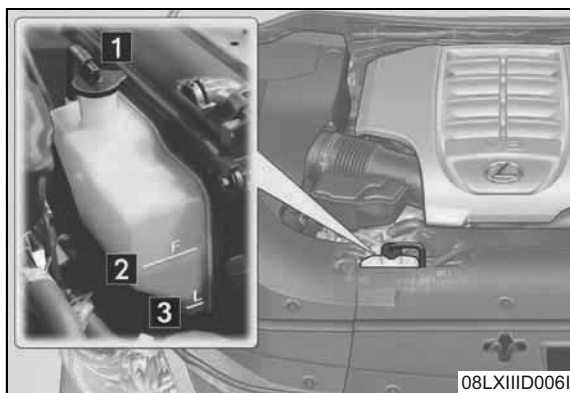
Visually check fluid level through the reservoir.

- 1** Full (when cold)
- 2** Add fluid (when cold)
- 3** Full (when hot)
- 4** Add fluid (when hot)

a) If the fluid temperature is high (60 - 80 °C [140 - 175 °F]), the reading should be in the "hot" range.

b) If the fluid temperature is low (10 - 30 °C [50 - 85 °F]), the reading should be in the "cold" range.

If the fluid level is low, replenish with automatic transmission fluid DEXRON® II or III.



D05. CHECK 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" lines on the tank.

- 1** Reservoir cap
- 2** FULL
- 3** LOW

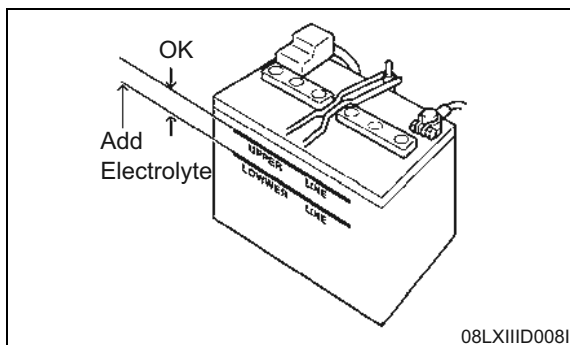
CAUTION:

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



D06. CHECK WASHER FLUID LEVEL

Open the washer tank cap and visually check the washer fluid level in the washer tank. The fluid level should be visible from top. Add fluid if necessary.



D07. CHECK BATTERY TERMINAL TIGHTNESS AND CHARGE

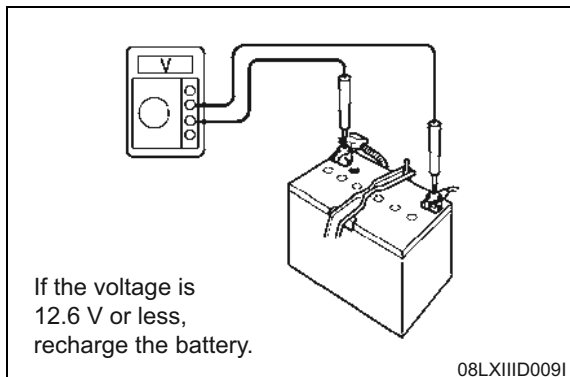
a) Check the electrolyte level. If the electrolyte level is low, check the battery case for leakage.

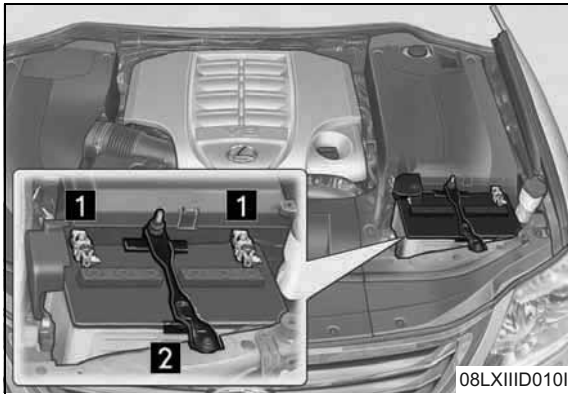
b) Check the battery charge. Measure the open-circuit battery voltage between the terminals. If the voltage reading is less than 12.6 volts, recharge the battery on low current of 5.0 amps or less.

NOTE:

Before measuring the voltage, turn off the engine switch and all electrical systems. Wait 60 seconds or more to remove the surface charge.

If the engine was running before measuring the voltage, wait 20 minutes or more after the engine stops to remove the surface charge.





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

- 1** Terminals
- 2** Hold-down clamp

D08. CHECK WIRING AND HOSE

- 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.

D09. CHECK ENGINE OPERATION (COLD)

Check that the engine operation is smooth when cold (engine stability, no noise, engine vibration or rough idle, etc.).

D10. CHECK ENGINE OPERATION (DURING/AFTER WARM-UP)

Check that the engine operation is smooth during/after warm-up (no abnormal noise, engine vibration, rough idle, etc.).

D11. CHECK ELECTRIC COOLING FANS

- a) Check that the engine cooling fan rotate smoothly when the engine coolant is hot.

CAUTION:

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

- b) Turn the air conditioning on and built up sufficient pressure. Then, check that the electric cooling fans turn on and rotate smoothly.

CAUTION:

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



D12. CHECK FOR FLUID LEAKS

Check for fuel, oil, coolant or other fluid leaks around the following components:

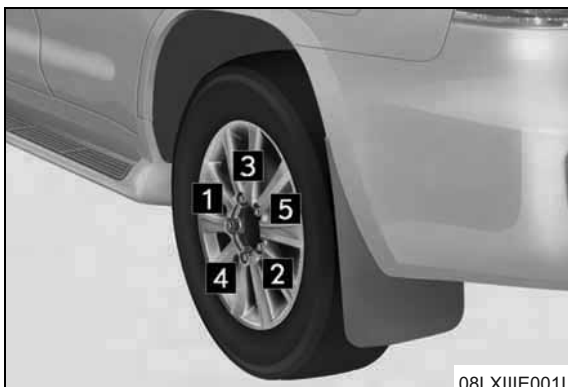
- a) Engine (cylinder head and around the head cover)
- b) Transmission
- c) Power steering lines and hoses
- d) Brake lines and hoses
- e) Radiator and hoses
- f) Fuel lines and hoses

D13. CHECK HEADLIGHT AIM

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

E. UNDER VEHICLE (ON HOIST)

BEFORE LIFTING VEHICLE



01. 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 on the left.

Torque specifications:
131N-m (13.4 kgf-m, 97 ft-lbf)

E02. ACTIVATION AND INITIAL- IZATION OF TIRE PRES- SURE WARNING SYSTEM

Refer to the Service Bulletin

E03. CHECK TIRES

Visually inspect all tires for damage and/or defects.

E04. INSTALL WHEEL CENTER CAPS

Install the wheel center caps on the wheels.



AFTER LIFTING VEHICLE

E05. REMOVE WHEEL FILM

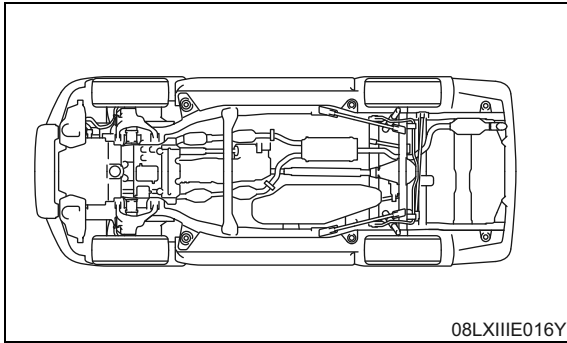
Visually inspect rotors for rust.

NOTE:

For the best rotor rust prevention, retain wheel film on vehicle until just prior to customer delivery.

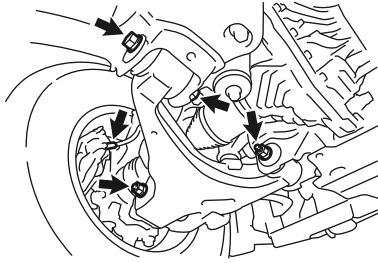
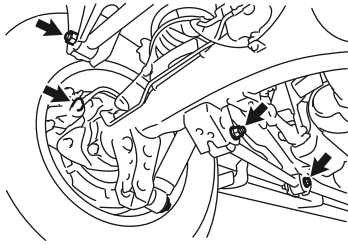
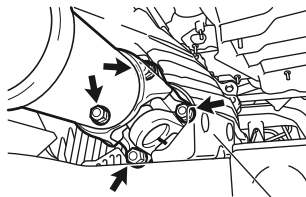
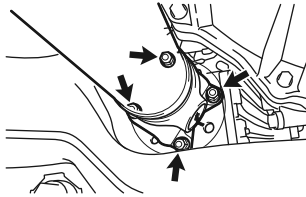
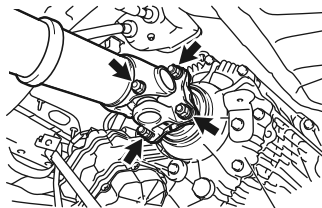
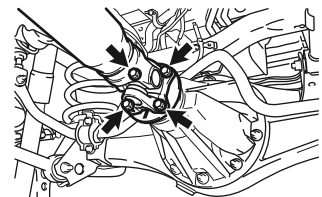
**E06. VISUALLY CHECK
TRANSFER CASE AND
DIFFERENTIAL FOR
LEAKS**

If leakage is found, see Repair Manual.



E07. CHECK 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
 - Transmission
 - Front axle
 - Transfer
 - Steering gear
 - Brake lines
 - Fuel lines
 - Rear axle
- c) Visually check the entire underside of the body for proper rust-resistant coating.

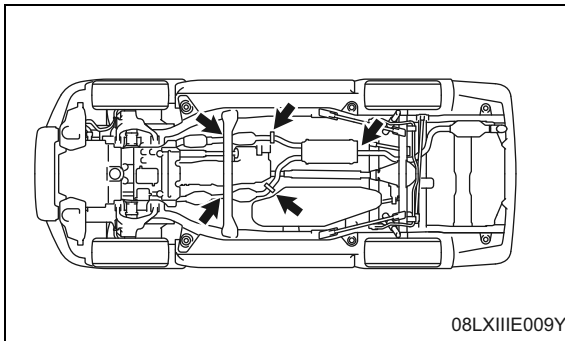
FrontRearFront Propeller ShaftTransferRear Propeller ShaftTransfer

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E08. 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) Propeller shaft
- d) Front/rear cross members
- e) Front/rear brakes
- f) Drive shaft



E09. CHECK EXHAUST SYSTEM

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

E10. INSTALL TOWING WIRE HARNESS CONNECTOR

Refer to the Service Bulletin

F. 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.

F01. CHECK ENGINE IDLE SPEED

Check that the engine idle speed is smooth at normal operating temperature with the shift lever in "N" or "P" position.

F02. CHECK ENGINE OPERATION WHILE DRIVING

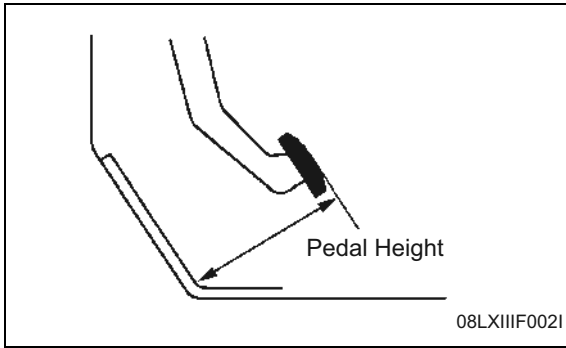
- a) Check engine performance over a broad range of driving conditions including acceleration, cruising and deceleration.
- b) Make sure engine operation is smooth and responsive.
- c) Make sure the gauges, speedometer and tachometer operations are smooth and accurate.

F03. CHECK BRAKE AND PARKING BRAKE

- a) Check braking effort. Check for pull or any abnormal noise.
- b) Check the parking brake:
With the engine switch "IG-ON", check that the brake warning light comes on when the parking brake is applied (and goes off when it is released).

Parking brake travel at 200 N (20.4 kgf, 45.0 lbf): 5 - 7 clicks

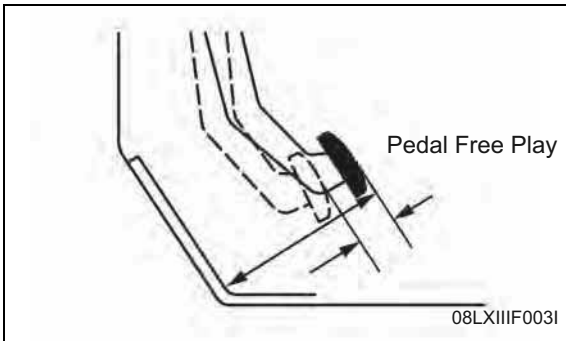




F04. CHECK BRAKE PEDAL HEIGHT, FREE PLAY AND RESERVE DISTANCE IF PEDAL DOES NOT OPERATE CORRECTLY

- a) Check the brake pedal height.

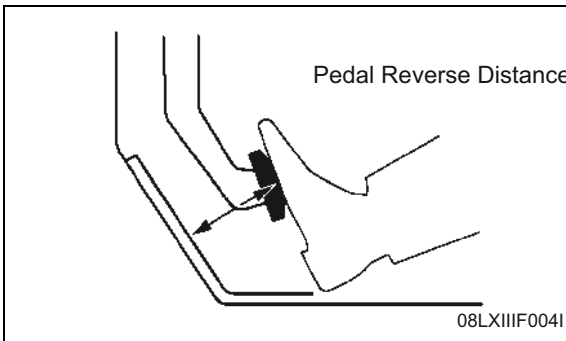
Pedal height from tibia pad:
147.1 - 157.1 mm (5.80 - 6.18 in.)



- b) Check the brake pedal free play.

Push in the pedal by hand and check that the pedal free play is within the specification.

Pedal free play:
1.0 - 6.0 mm (0.04 - 0.24 in.)



- c) Check brake pedal reserve distance.

Release the parking brake. With the engine running, depress the brake pedal and measure the pedal reserve distance.

Pedal reserve distance from dash panel at 490 N (50.0 kgf, 110 lbf): more than 67 mm (2.64 in.)

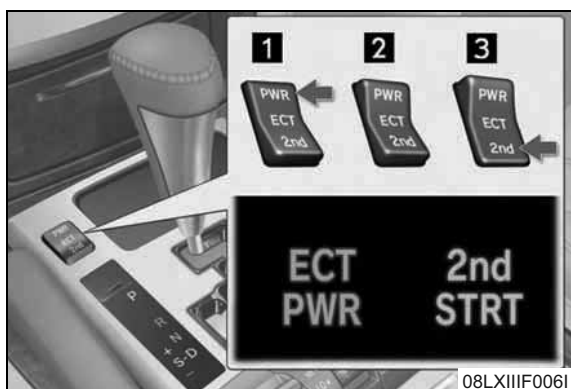
F05. CHECK TRANSMISSION OPERATION



- a) Check that the engine will not start if the shift lever is in any other range except for "P" or "N" position.
- b) Check that the shift lever cannot be moved from the "P" position without depressing the brake pedal.
- c) Check for smooth up-shift and down-shift operation over a broad range of driving conditions.
- d) Check for smooth up-shift and down-shift operation when the shift lever is in the "S" range.

Check that the transmission shifts up when the shift lever is moved toward the front.

Check that the transmission shifts down when the shift lever is moved toward the back.



F06. CHECK ECT AND 2ND START SWITCH INDICATOR LIGHTS

Check that the indicator lights come on when the switches are selected.

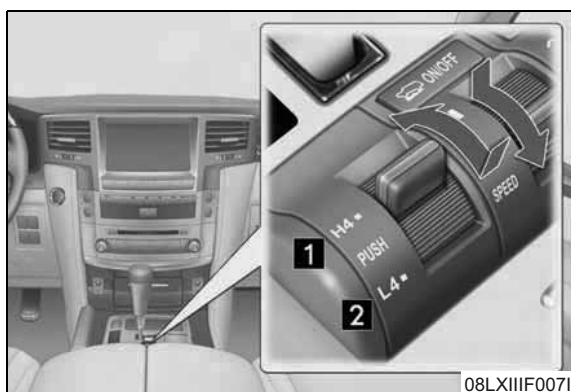
- 1 Power mode
- 2 Normal mode
- 3 2nd start mode

a) ECT (Electronic Controlled Transmission)

The "ECT PWR" indicator light will illuminate when the "PWR" mode is selected.

b) 2nd START

The "2nd STRT" indicator light will illuminate when the "2nd STRT" mode is selected.



F07. CHECK 4-WHEEL DRIVE SYSTEM

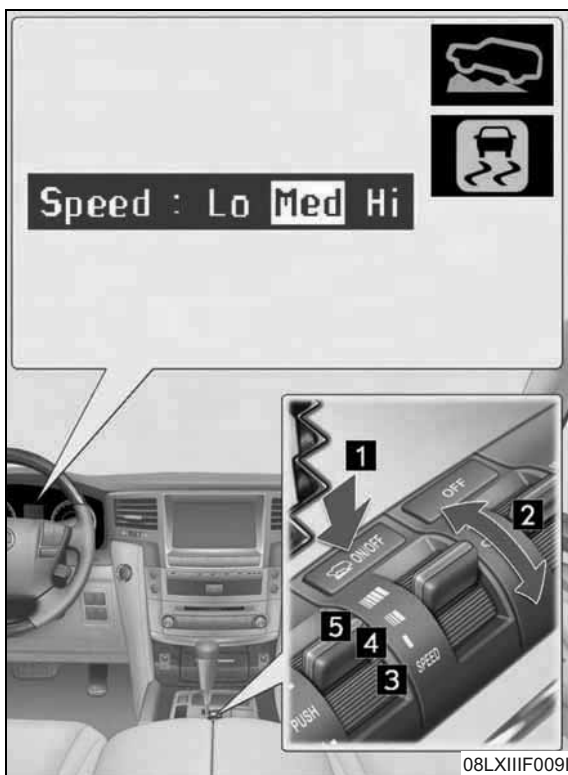
a) Four-wheel drive control switch

Park the vehicle and move the shift lever to the "N" position. Then, check that the indicator lights turn on when the four-wheel drive control switch is turned to the "L4" position.

- 1 "H4" (high speed position)
- 2 "L4" (low speed position)

b) Center differential lock/unlock switch
Check that the indicator lights and multi-information display come on when the switch is pressed.

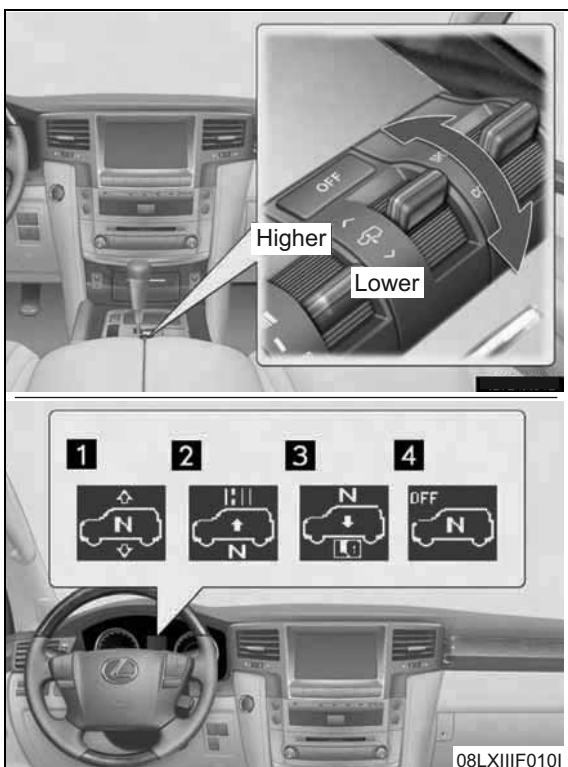




F08. CHECK CRAWL CONTROL

- a) Check that the crawl indicator turns on and the slip indicator blinks when the "ON/OFF" switch is pressed.
- b) Check that the multi-information display switches between the "low mode", "medium mode", and "high mode" when the speed selection switch is moved up and down.

- 1 "ON/OFF" switch
- 2 Speed selection switch
- 3 Low mode
- 4 Medium mode
- 5 High mode



F09. CHECK 4-WHEEL AHC (ACTIVE HEIGHT CONTROL) SUSPENSION

- a) Check that the multi-information display switches between the "Hi (high) height mode", "N (normal) height mode", and "Lo (low) height mode" when the height select switch is moved up and down. Also, check that the multi-information display switches to the "OFF mode" when the height control OFF switch is pressed.

- 1 Current mode
- 2 Height up
- 3 Height down
- 4 Height control "OFF" indicator



- b) Easy access mode switch
Check that the indicator lights come on when the switch is pressed.



F10. CHECK ACTIVE TRAC AND/OR VSC SYSTEM

- a) Active TRAC stops operating
Check that the indicator light comes on when the switch is pressed once.



- b) Active TRAC and VSC stop operating
Check that the indicator light and multi-information display come on when the switch is pressed and held more than 3 seconds.



F11. CHECK AFS (ADAPTIVE FRONT-LIGHT SYSTEM) OFF SWITCH

Check that the indicator light comes on when the switch is pressed.



F12. CHECK RS/CA (ROLL SENSING OF CURTAIN SHIELD AIRBAG) OFF SWITCH

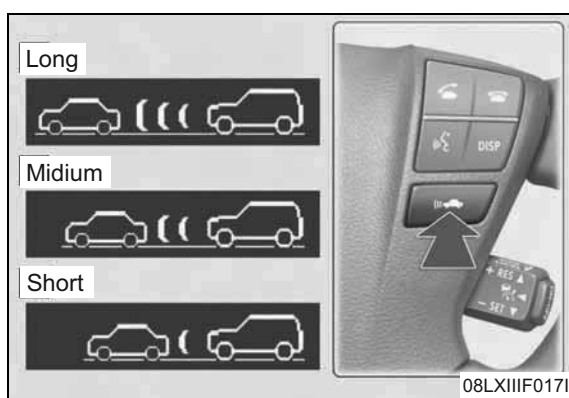
Check that the indicator light comes on when the switch is pressed and held.



F13. CHECK CRUISE CONTROL

- a) Check the cruise control functions:
 - ON-OFF
 - SET/COAST
 - RES/ACC
 - CANCEL
- b) Check that the preset speed is canceled by:
 - Depressing the brake pedal
 - Shifting the shift lever to "N" position
 - Using cancel switch and "ON-OFF" button

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



For Vehicle with Dynamic Radar Cruise Control System*

- c) Press the main switch and check that the "CRUISE" 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. (No indication in the fixed speed control mode)
- e) Check that the vehicle to vehicle distance setting is changed from "Long" to "Middle" to "Short" and then back to "Long" by pulling the distance switch on the steering wheel.

NOTE:

Always keep the millimeter wave radar sensor glass clean.

F14. CHECK 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*.

F15. CHECK ABNORMAL NOISE OR VIBRATION

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

- a) Wind noise
- b) Power train (engine, transmission, differential, propeller shaft)
- c) Road noise (tires)
- d) Others

* Optional equipment

F16. CHECK SQUEAKS AND RAT- TLES

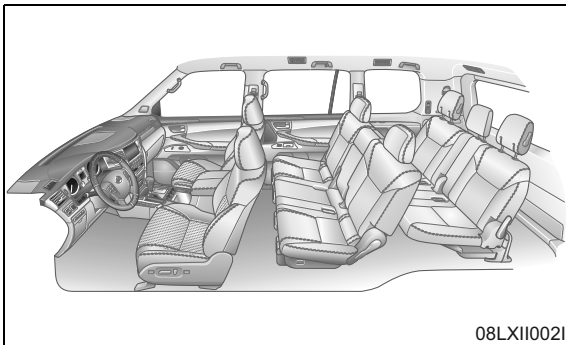
Check for squeaks and rattles in the follow-
ings:

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

G. FINAL INSPECTION



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G01. SET FUNCTIONAL CONTROL SYSTEM SWITCHES

Set the functional control switches as follows:

- ECT and 2nd switch in "Normal" mode.
- Four-wheel drive control switch set in "H4 (high speed mode)".
- Crawl ON/OFF switch and hight control OFF switch in "OFF".
- Damping mode select switch in "Normal" mode.
- Center differential lock/unlock switch, VSC OFF switch, RSCA OFF switch, power back door OFF switch and AFS OFF switch in "ON".

G02. 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, rear vanity lights 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.

NOTE:

If the interior color is light white for some vehicle, plastic cover will be set for front, center and roof side garnishes.

Remove Vehicle Delivery Certificate and VIN number sticker sheet from glovebox. 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 Representative" line and return certificate and VIN sticker sheet to glovebox.

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:

Your vehicle and vehicle features will be fully operational.
The Dealer Service Department Pre-delivery Service includes a complete inspection of the vehicle:
Inspected Vehicle Exterior and Functional Items
Inspected Vehicle Interior and Functional Items
Inspected Under Hood, Fluid Levels and Functional Items
Inspected Luggage Compartment and Items
Road Tested to Confirm Vehicle Operates as Designed

All Lexus Customer Care Programs will be explained:
Lexus Personalized Settings Program
Warranty Schedules
Maintenance Schedule and 1st Free Maintenance
Lexus is a Division of Toyota

The interior and exterior of your vehicle will be clean and your vehicle will be provided with a full tank of premium-grade fuel.

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

You will be introduced to the Service & Parts Department.
feature operation will be explained and demonstrated, including:

Keys and Locks	Touch-Rover Windows
Seat and Mirror Adjustments	Audio System
Exterior and Interior Lights	Cruise Control
Climate Control	Windshield Wipers

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

- ☐ "Hands-free" Bluetooth® Phone operation
- ☐ Lexus Navigation System guidance
- ☐ Satellite Radio operation
- ☐ Park Assist System / Backup Camera
- ☐ Rear Seat Entertainment System
- ☐ Touch Power Moonroof

MS, Lexus Vehicle Options, Equipment Package, and Accessories are available on select models.

Dealership Name _____ Date _____

Dealership Service Representative _____

Dealership Sales Representative _____





H01. OWNER'S PUBLICATIONS

- a) Place the Quick Guide booklet in the glovebox. If the vehicle is equipped with Navigation, also place the technology Quick Guide booklet with disc in glovebox.
- b) Check that the Owner's Manual Portfolio contains the Owner's Manual(s) and place in the vehicle trunk.
- c) Check that the airbag information label is affixed on the glove box door and is visible with the glovebox closed.

H02. 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 87) or higher. It is recommended that the interior protective covers be removed just before delivery of the vehicle to the customer.

H03. WASH AND CLEAN VEHICLE

Wash and clean the exterior and interior of the vehicle. Use plenty of water and a soft sponge or cloth when washing the vehicle. Vacuum carpet and seats.

NOTICE:

It is recommended that you wash the vehicle by hand. If mechanical brushes are used in an "automatic car wash", the brushes may scratch the paint surface.

Battery Maintenance for In-Stock Vehicles & Pre-Delivery, see TSIB

Floor Mat Installation - see TSIB