

GX 460 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 all applicable PDS Technical Service Information Bulletins (TSIBs) for this vehicle
- Read and understand the PDS Precautions in the TSIBs and pages 10, 11, 57.
- 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 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:

Short Pin Installation During PDS
Tire Pressure Warning Valve/Sensor Activation
Tire Positioning Before New Vehicle Delivery
Initial Calibration of Compass During PDS
Initialization of Parking Assist Monitor
Front License Plate & Mounting Bracket Installation
Floor Mat Installation During PDS
Battery Maintenance For In-Stock Vehicles and Pre-Delivery
Long Term Vehicle Storage Guidelines

To obtain PDS material:

Manual

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

Check Sheet

- Download and print from TIS website or Lexus Customer Services website on Dealer Daily, or
- Order from MDC, 00242-PDSGX-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.

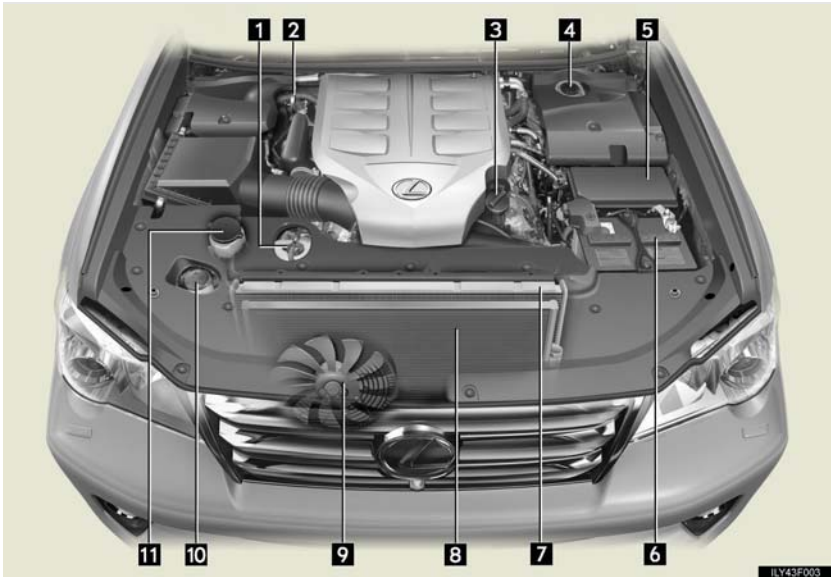
**2014MY
GX 460
Pre-Delivery
Service Manual**



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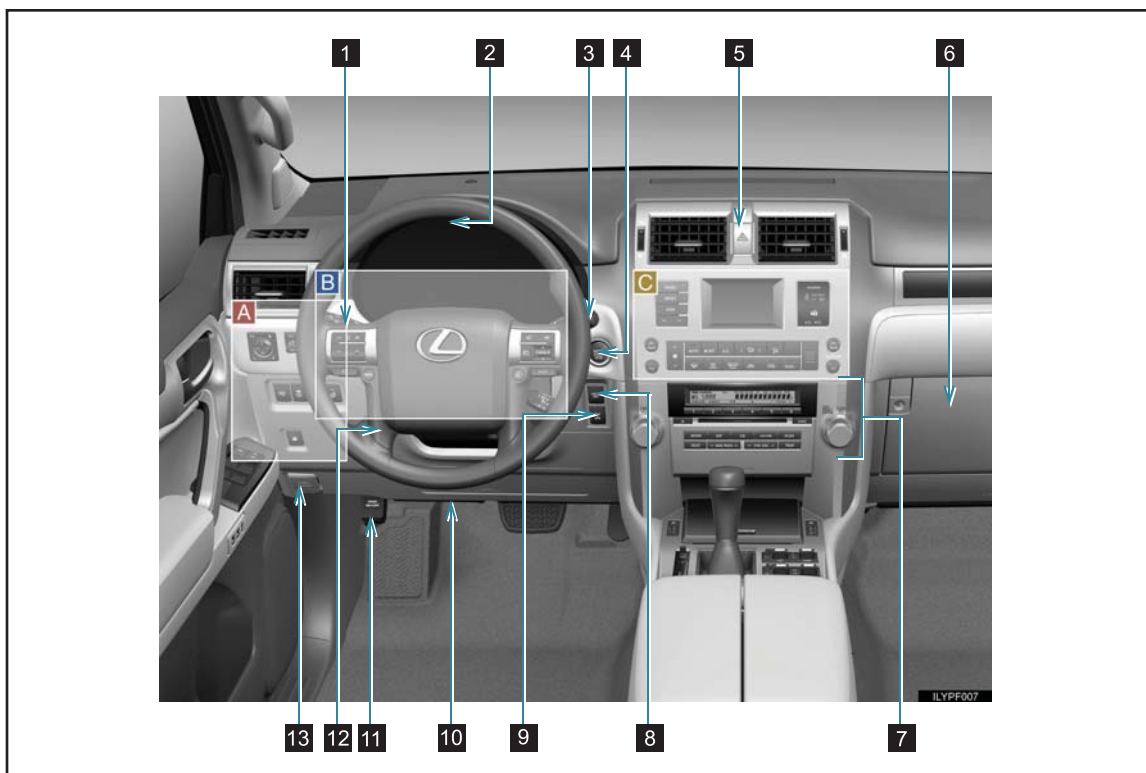
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NOTE:
Install protective fender covers prior to beginning the under hood inspection.

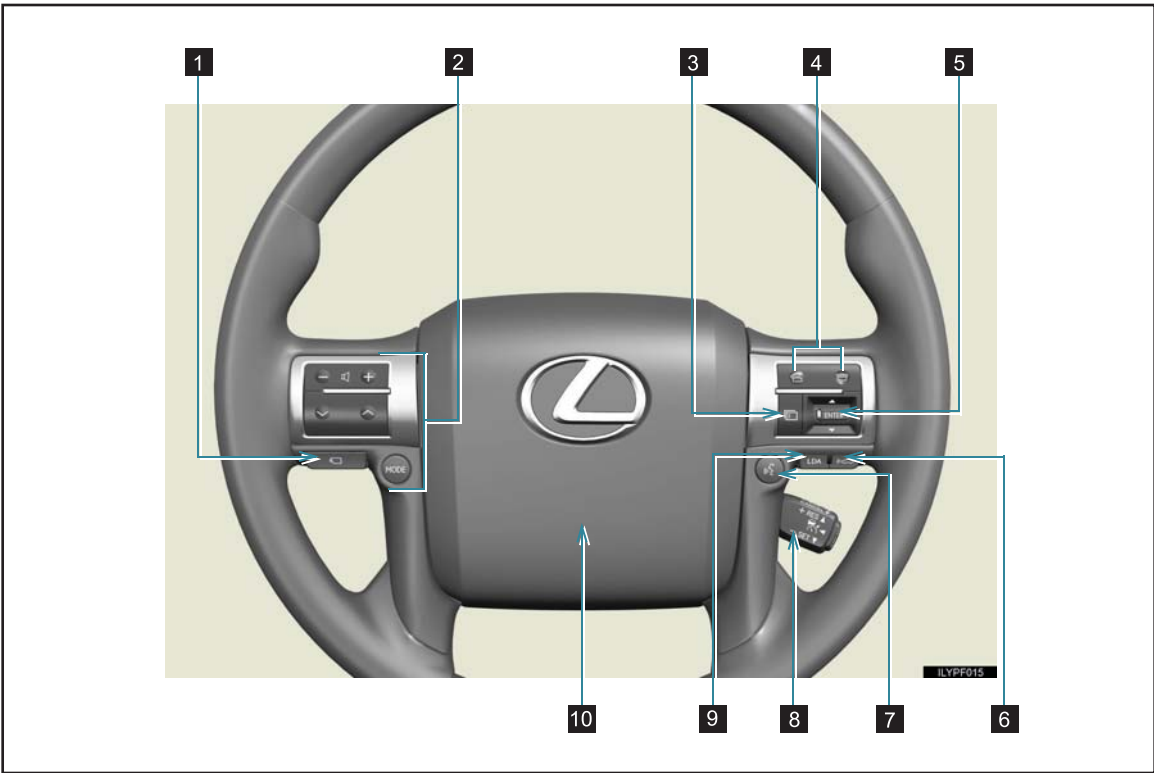
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* If equipped

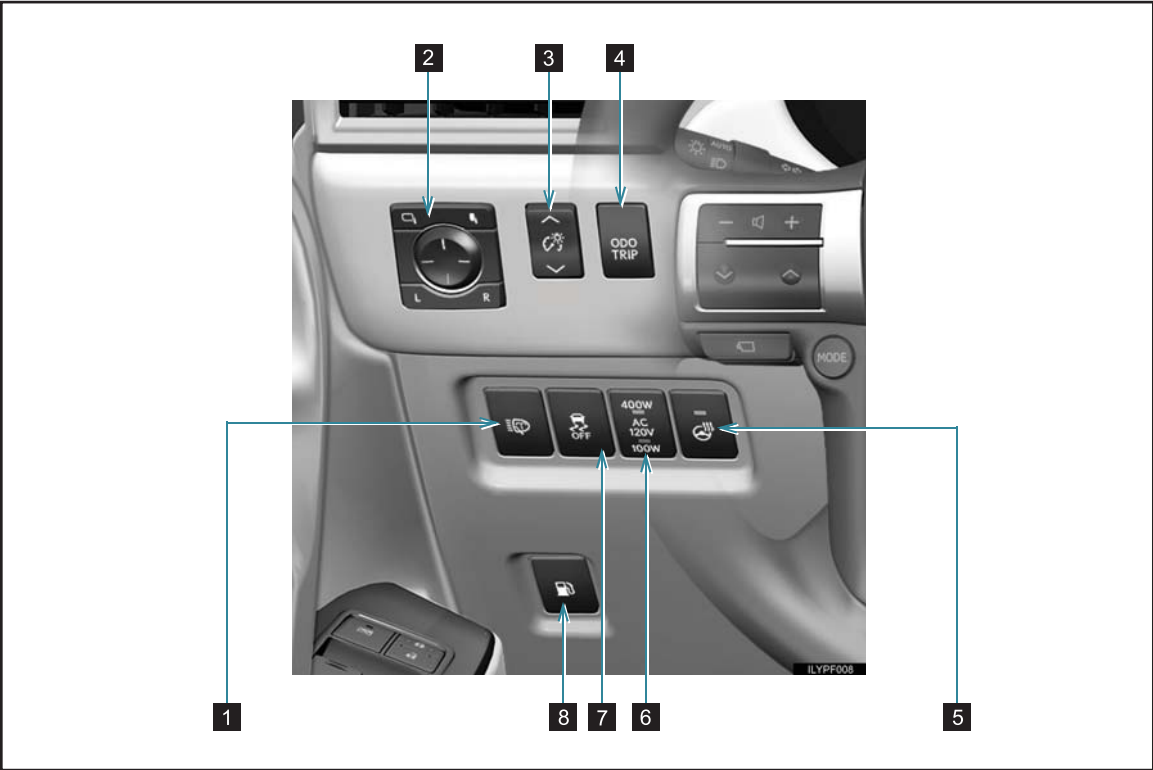
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* If equipped
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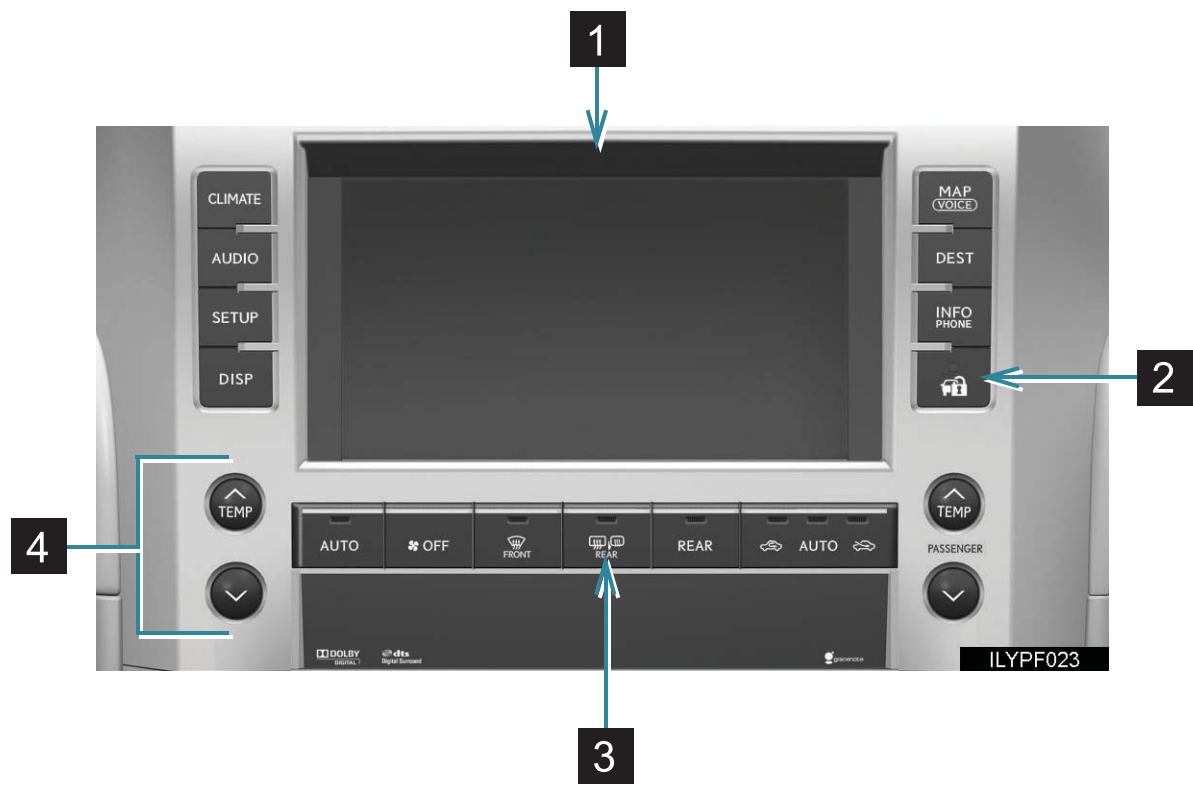
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NOTE:
Inspect interior parts after removing the necessary factory interior protective covering.

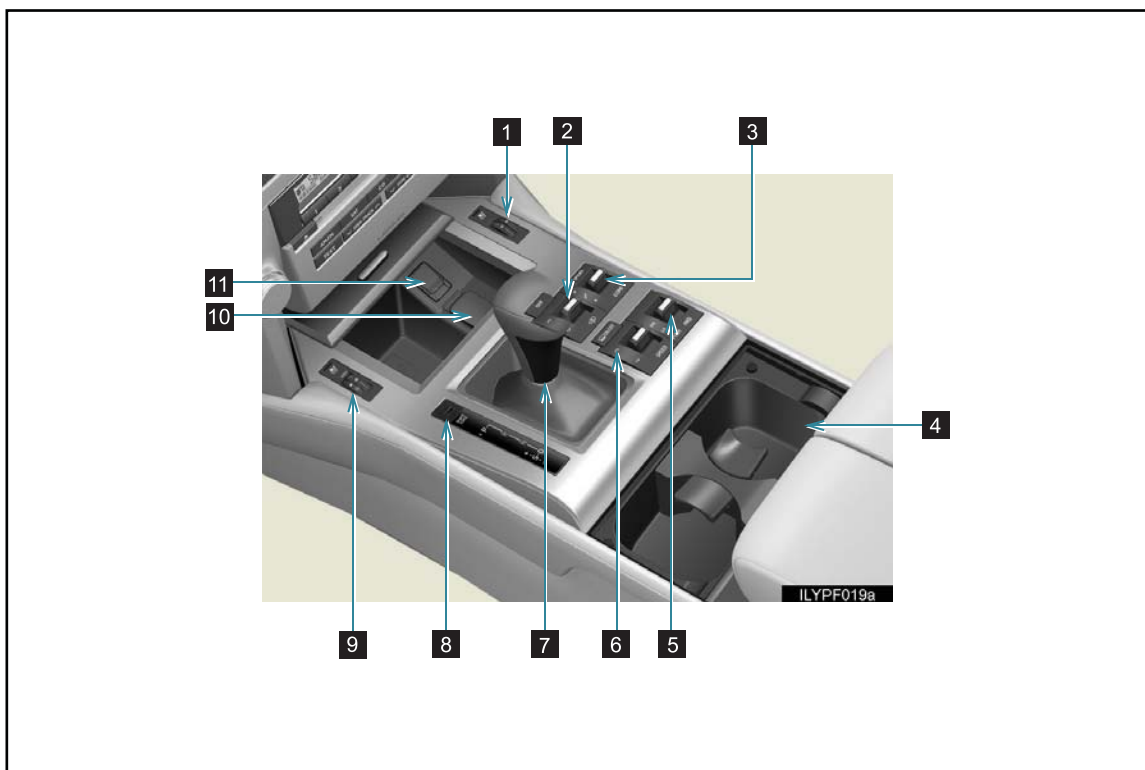
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* If equipped

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* If equipped

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 rear window



PAINT FINISH (PAINT DEFECT, DAMAGE)

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).



EXTERIOR PARTS FOR FIT

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

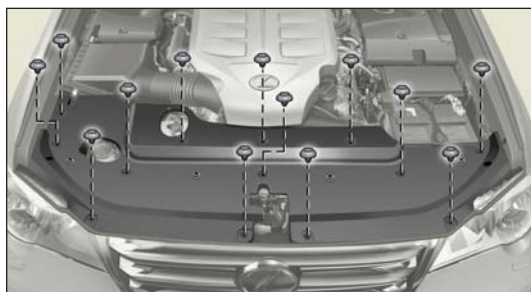
- a) Front and rear bumpers
- b) Window moldings (front, side and rear)
- c) Lexus emblems (front and rear)
- d) Outside rear view mirrors
- e) Headlights, turn signal lights, side marker lights, fog lights and tail light lenses
- f) Doors, engine hood and fuel filler door
- g) Moon roof*
- h) Front/rear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

* If equipped



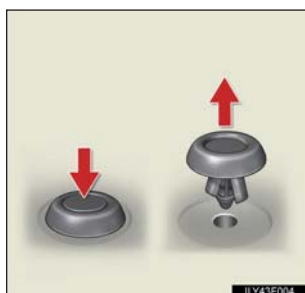
ENGINE HOOD RELEASE LEVER

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



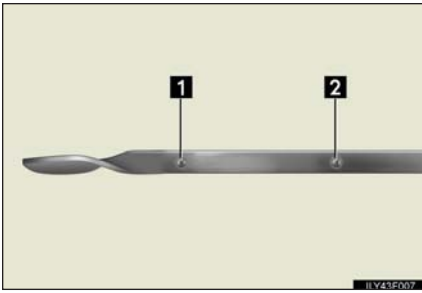
ENGINE COMPARTMENT COVER REMOVAL

Push the core of the engine compartment clips and remove them. Remove the engine compartment side cover.



SHORT PIN INSTALLATION

Refer to the Service Bulletin.



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 the oil for dirt or impurities.

NOTE:

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

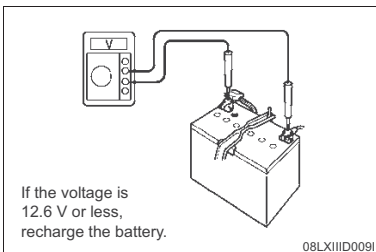
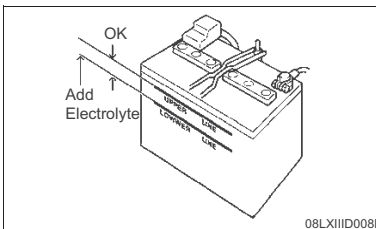


BRAKE FLUID LEVEL

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

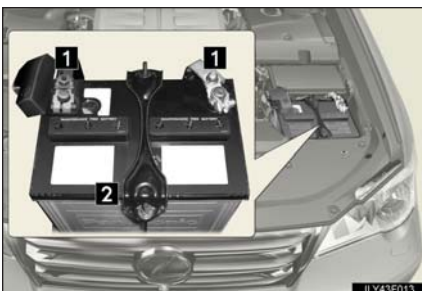
- a) Check the electrolyte level. If the electrolyte level is low, check the battery case for leakage.
- b) Check the battery charge. Measure the open-circuit battery voltage between the terminals. If the voltage reading is less than 12.6 volts, recharge the battery on low current of 5.0 amps or less.

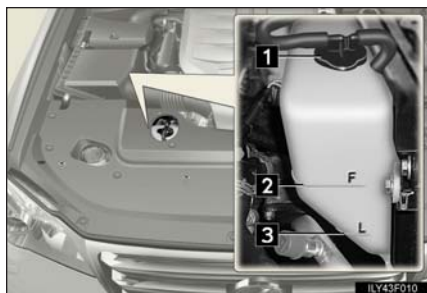
NOTE:

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





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.

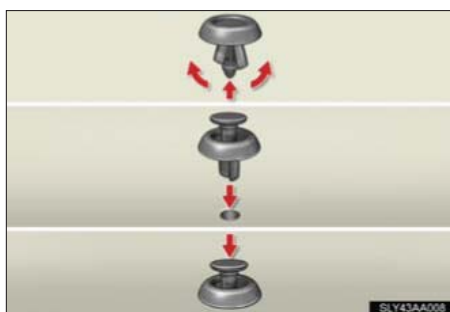


WASHER FLUID LEVEL

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.



ENGINE COMPARTMENT COVER INSTALLATION

Installation is in the reverse order of removal.



WIRELESS DOOR LOCK REMOTE CONTROL SYSTEM

Inspect the four functions of the system.

- 1** Locks all doors
- 2** Unlocks all doors
- 3** Opens the glass hatch (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 glass hatch

Press and hold  to open the glass hatch.

NOTE:

The turn signal lights flash once sounding two beeps.

d) Sounding the alarm

1. Press and hold  to sound the alarm.

NOTE:

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

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 back door 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.

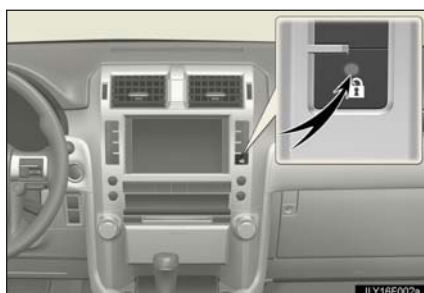
NOTE:

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 back door opener. Check that the doors unlock.

NOTE:

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

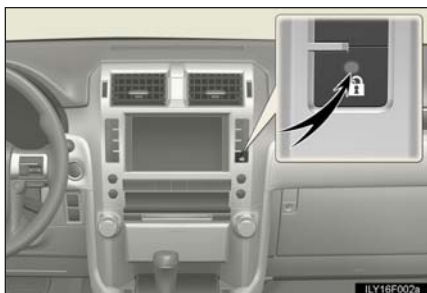


THEFT DETERRENT SYSTEM

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

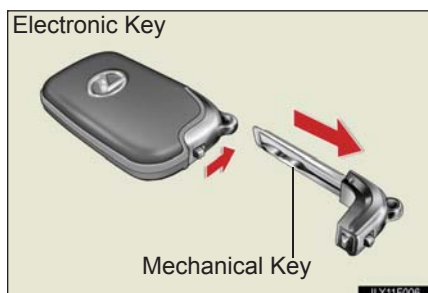
System Test:

- 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 "ENGINE" 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).

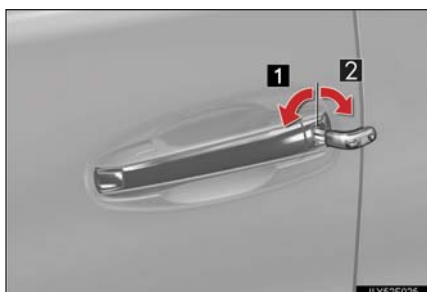
1 Locks all doors

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.

NOTE:

- To remove the mechanical key: Release the lock and pull the key out.
 - To store the mechanical key: Slide and hold the release knob, insert the key.
- e) Check that the outer foot light illuminates when the door is opened.



REMOTE ENGINE STARTER*

a) Starting the Engine

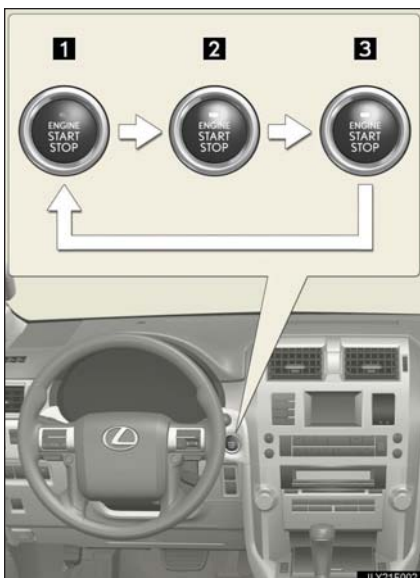
1. Close and lock all doors.
2. Quickly press  twice and then press and hold  for 3 seconds.

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.



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

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

NOTE:

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

Engine start/stop

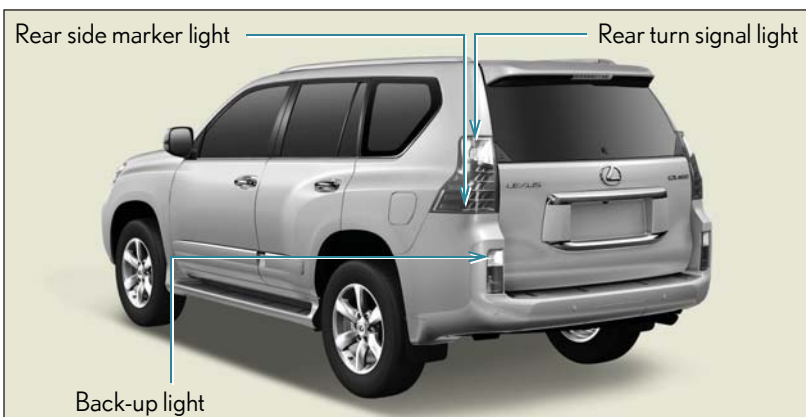
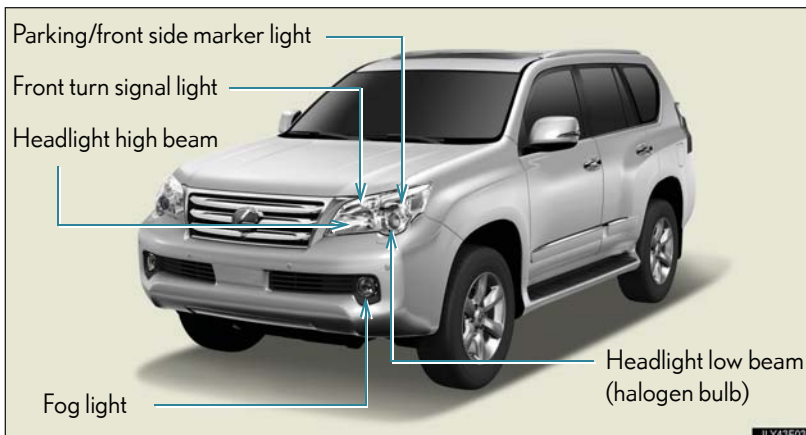
- a) Carry the electronic key in the vehicle and apply the parking brake.
- b) Check that the shift lever is in the “P” position.
- c) When depressing the brake pedal, check that the green “ENGINE” switch illuminator comes on, push the “ENGINE” switch to start the engine.
- d) Press the “ENGINE” switch regardless of brake position to stop the engine.

* If equipped

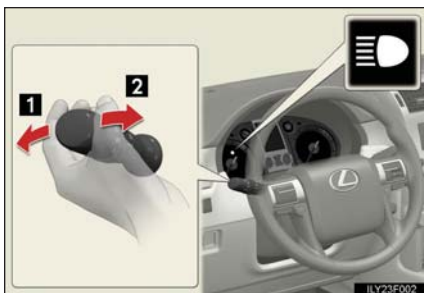
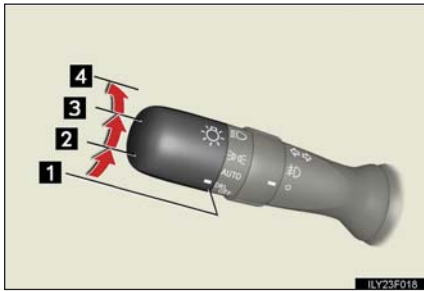
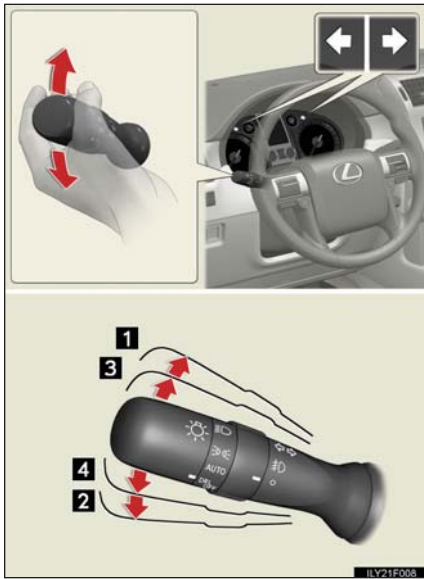
EXTERIOR LIGHTS

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

- a) Headlights
- b) Daytime running lights*
- c) Parking lights
- d) Side marker lights
- e) Fog lights
- f) Turn signal lights
- g) License plate lights
- h) Tail lights
- i) Brake lights (when brake pedal is depressed)
- j) Back-up lights



* If equipped



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 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 or tail light indicator light illuminates when the headlight switch is on.

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

NOTE:

- Headlights automatically turn off 30 seconds after the "ENGINE" 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 "ENGINE" 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.

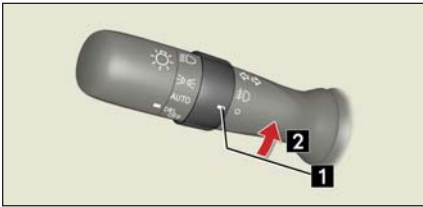
- 1 With the headlights on, push the lever forward to turn on the high beams.
- 2 Pull the lever toward you and release it to flash the high beams once.

* If equipped

INSPECTION DETAILS - B. LOCKS AND LIGHTS

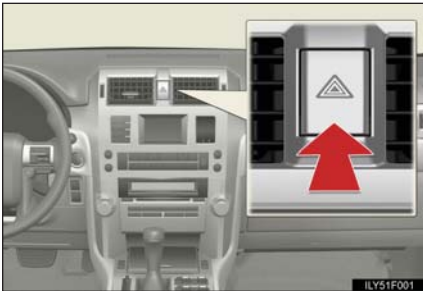


- e) Check that the Automatic High Beam indicator light* illuminates, push the lever forward with the headlight switch in the “AUTO” position.



- f) 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



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

HEADLIGHT AIM

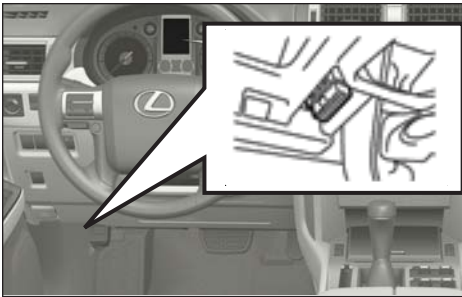
If headlight aim is not correct, see *Repair Manual* for headlight aim procedure.

* If equipped

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, floor carpeting and door scuff plates
- e) Console box
- f) Steering wheel



ON-BOARD DIAGNOSTIC SYSTEM OPERATION

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

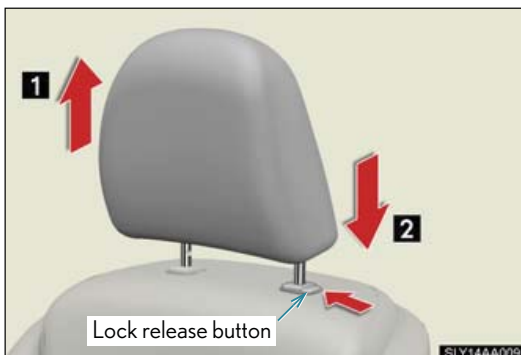
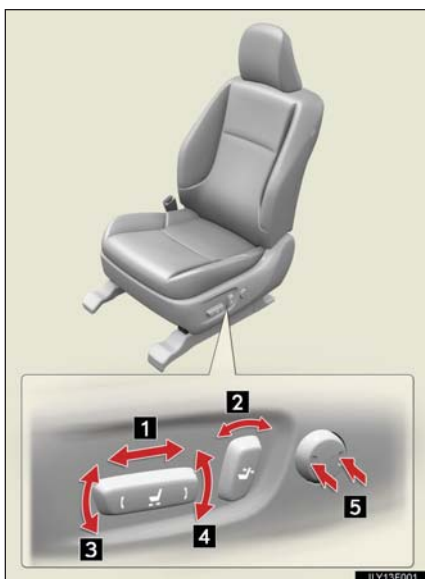
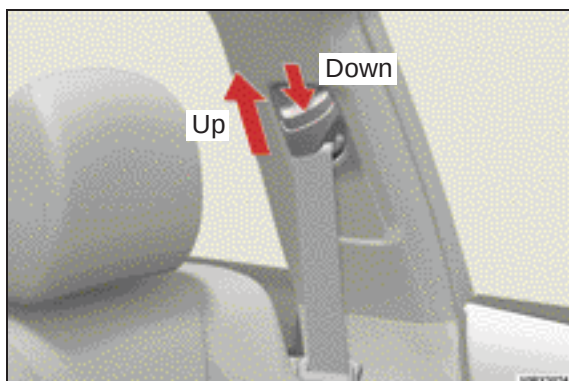
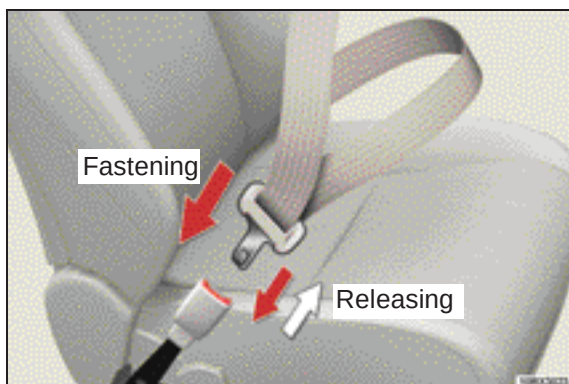
For details of this procedure, refer to the engine troubleshooting section of the *Repair Manual*.

ACTIVATION AND INITIALIZATION OF TIRE PRESSURE WARNING SYSTEM

Refer to service bulletin

TIRE INFLATION PRESSURE COMPENSATION AND ADJUSTMENT

Refer to service bulletin



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 that the seat slides smoothly, reclines properly and locks securely in any position.

a) Seat Adjustment

- 1 Seat position adjustment
- 2 Seatback angle adjustment
- 3 Seat cushion (front) angle adjustment
- 4 Vertical height adjustment
- 5 Lumbar 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.



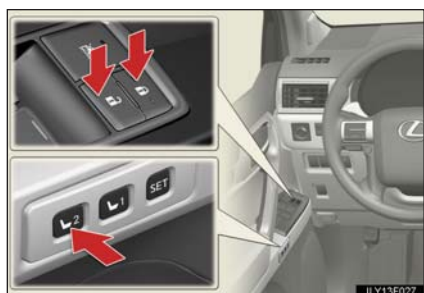
SEAT POSITION MEMORY SYSTEM*

a) With the “ENGINE” switch in the “IG-ON” mode and the shift lever in “P” position, check the operation:

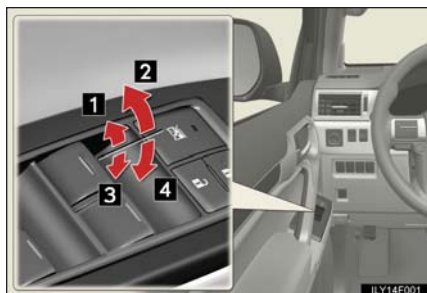
1. Adjust the driver’s seat, tilt and telescopic steering wheel and outside rear view mirrors to the desired positions.
2. While pressing the “SET” button, press down the button “1” or “2” until a beep is heard.
3. Check all buttons (1 and 2) to make sure that all memorized settings operate correctly.

b) With the engine switch in the “OFF” mode, close the driver’s door.

1. Register a driving position to the button “1” or “2”.
2. Do not carry more than one key (including a card key*) when registering. While pressing the button “1” or “2”, 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



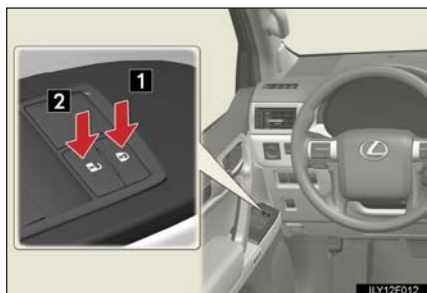
POWER WINDOWS AND DOOR LOCKS

a) With the “ENGINE” switch in the “IG-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.

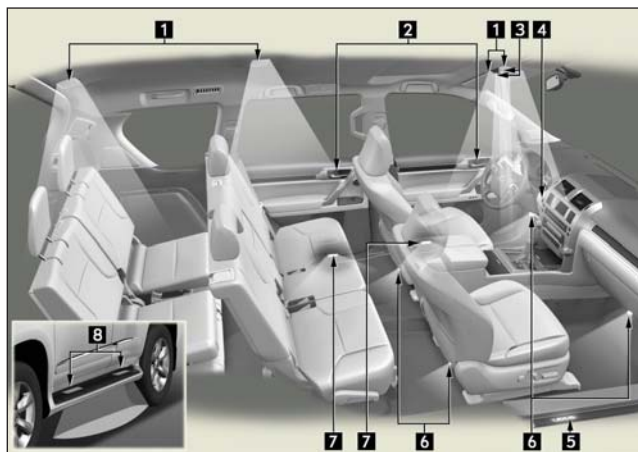
- 1 Locks all doors
- 2 Unlocks all doors

d) With the doors closed, check that the power windows can be fully operated after the “ENGINE” 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.

* If equipped



INTERIOR, PERSONAL, SHIFT LEVER, DOOR COURTESY, "ENGINE" SWITCH, FOOTWELL, RUNNING BOARD AND SCUFF* LIGHTS

Check operation of the following interior lights:

- 1 Personal lights
- 2 Inside door handle lights
- 3 Shift lever light
- 4 "ENGINE" switch light
- 5 Scuff lights*
- 6 Footwell lights
- 7 Door courtesy lights
- 8 Running board lights



OUTSIDE REAR VIEW MIRRORS

a) Check power outside rear view mirrors operation with the "ENGINE" switch in the ACCESSORY or "IG-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.

Auto Type

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 Extends the mirrors
- 2 Folds the mirrors



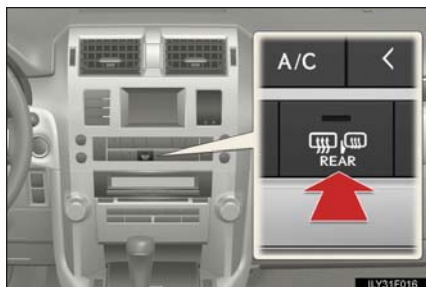
Manual Type

3. Pull the mirror toward you.



* If equipped

INSPECTION DETAILS - C. LEFT FRONT



- b) 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.



AFS (ADAPTIVE FRONT-LIGHTING SYSTEM)*

- a) Press the menu switch and press the “ENTER” switch upward or downward until “AFS” appears.



- b) Check that the indicator light will illuminate when “OFF” is selected.



FUEL FILLER DOOR OPENER

Check operation of the fuel door opener button.



INSTRUMENT PANEL LIGHT CONTROL

Check that the instrument panel light control switch operates properly.

- 1 Brighter
- 2 Darker

* If equipped



POWER OUTLET SWITCH (120V AC, type B)*

With the “ENGINE” switch in the ACCESSORY or “IG-ON” mode, check the power outlet using an electrical accessory designed for this use.



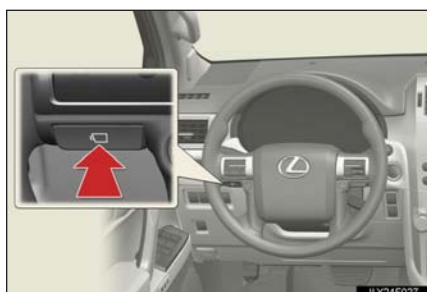
HEATED STEERING WHEEL*

Check that the steering wheel heats when the heater button is pressed.



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.



WIDE VIEW FRONT AND SIDE MONITOR SYSTEM*

With the “ENGINE” switch in the “IG-ON” mode, press the switch and check that the front monitor display is on the screen.

* If equipped



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

- 1 Rain-sensing wiper operation
- 2 Low speed wiper operation
- 3 High speed wiper operation
- 4 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

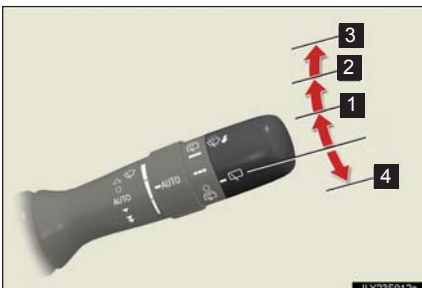
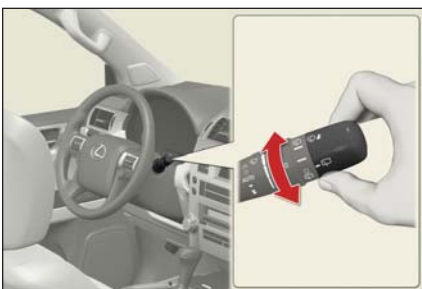
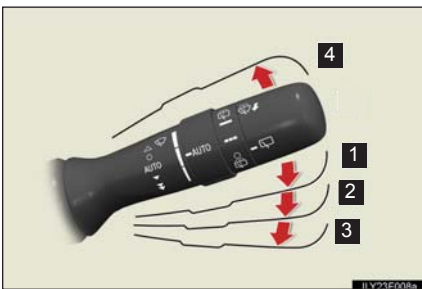
- a) Twist the knob at the end of the lever and check that washer fluid squirts onto the proper area of the glass.
- b) Check wiper speed operation on intermittent and normal cycles. Check that the wiper blade wipes off the washer fluid cleanly.

- 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.



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
 - Airbag warning light
 - Tire pressure warning light
 - Master warning light
 - PCS (Pre-Collision System) warning light*
 - Automatic High Beam indicator light*
 - AFS (Adaptive Front-lighting System) OFF indicator light*
 - Brake system warning light
 - VSC (Vehicle Stability Control) off indicator light
 - Electric power steering system warning light
 - Lane Departure Alert (LDA)*
 - Malfunction indicator lamp
 - Eco Driving Indicator Light
 - Airbag on-off indicator light (on the center panel)

Refer to “Warning Lights and Buzzers” on page 28 for details.



* If equipped

Warning Light and Buzzer

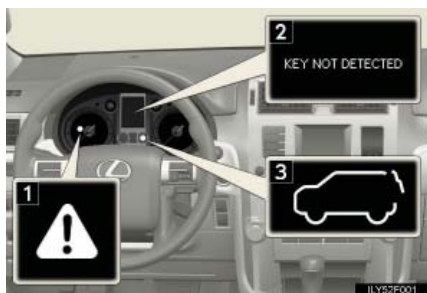
Light/Buzzer		Function/Condition
	Brake System Warning Light	Brake system warning light • Low brake fluid • Malfunction in the brake system
	Seat Belt Reminder Light and Buzzer	The driver's and front passenger's seat belt reminders sound to alert the driver and front passenger that his or her seat belt 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 Airbag System 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 engine control system. • The throttle control system. • The emission control system.
	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 "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.

INSPECTION DETAILS - C. LEFT FRONT

Light/Buzzer		Function/Condition
	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.
	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 "ENGINE" switch is selected in the "IG-ON" mode and goes off when the engine is started. This means that the system is operating properly. This light warns that there is a problem somewhere in the power steering system.
	Low Fuel Level Warning Light	Indicates the fuel level is low. (Approximately 3.4 gal. [13.0L, 2.81Imp. gal])

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

3 Rear height control air suspension display

* If equipped



MULTI-INFORMATION DISPLAY

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

- 1 Menu Switch
- 2 “ENTER” Switch

Press the Menu switch and press the “ENTER” switch upward or downward and cycle through the following modes:

Trip information contents

- Front tire angle
- Driving range
- Average fuel consumption after refueling
- Current fuel consumption
- Average fuel consumption and Eco driving indicator zone display
- Average vehicle speed
- Elapsed time
- Multi-information display off

Electronic features control contents

- Multi-terrain Select*
- Intuitive parking assist*
- AFS (Adaptive Front-lighting System)*
- Second Start Mode
- Blind spot monitor*

Other contents

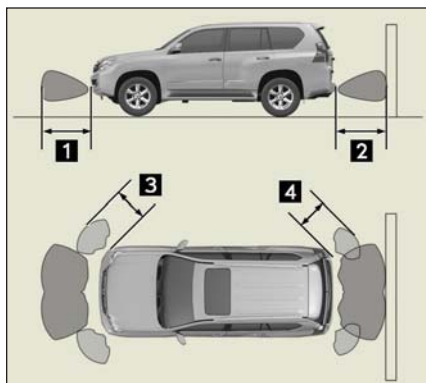
- Multi-terrain Select display*
- Intuitive parking assist display*
- Crawl Control display*
- Dynamic radar cruise control display*
- LDA (Lane Departure Alert) display*
- Warning Messages
- Customization

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.

* If equipped

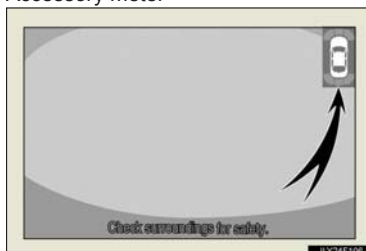
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Multi-information Display



Accessory meter



Navigation screen



INTUITIVE PARKING ASSIST*

This procedure is performed by placing poles (Ø 2.36 in) or safety cones at 6 points:

a) With the "ENGINE" switch in the "IG-ON" mode, press the menu switch and press the "ENTER" switch upwards or downwards until intuitive parking assist mark appears.

b) Check that the indicator light will illuminate when "ON" is selected by pressing "ENTER" switch.

NOTE:

One beep sounds.

c) The poles or safety cones gradually approach the vehicle.

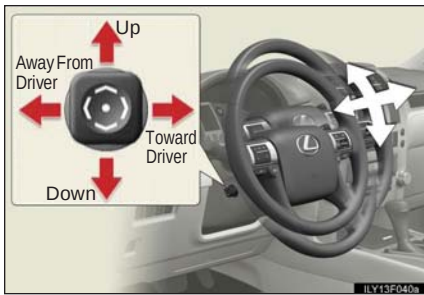
- 1 About 3.3 ft. (100 cm)
- 2 About 4.9 ft. (150 cm)
- 3 About 2.0 ft. (60 cm)
- 4 About 1.8 ft (55 cm)

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
- 5 Front tire angle

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

* If equipped



TILT AND TELESCOPIC STEERING WHEEL

Check tilt and telescopic steering wheel operation.

a) Power Switch Operation

Tilt Steering Wheel:

With the "ENGINE" switch in the ACCESSORY 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 ACCESSORY or "IG-ON" mode, push the control switch away from driver or toward driver to set the steering wheel in the desired position.

When the driver's seat belt is fastened, the steering column can be adjusted regardless of "ENGINE" switch mode.

b) Automatic Tilt-away Operation

• Automatic tilt-away operation

1. With navigation system only: Set the driver's seat movement to a setting other than "Off" using the Lexus Personalized Settings mode.

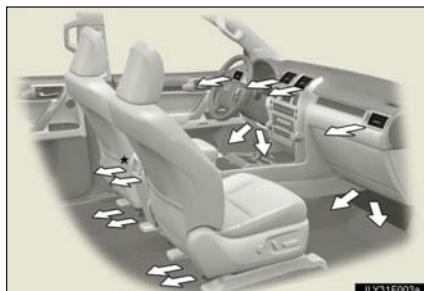
NOTE:

Refer to *Owner's Manual* for customizable features.

2. Switch the "ENGINE" switch OFF.
3. Unfasten the driver's seat belt.
4. Check that the steering column moves away from the driver and tilts up and that the driver's seat moves backward.

• Return operation

1. Switch the "ENGINE" switch to ACCESSORY mode or fasten the driver's seat belt.
2. Check that the steering column and the driver's seat automatically move to the previous position.



AIR CONDITIONING AND HEATER

Warm up the engine and press the "Climate" button to display icons for automatic air conditioning control.

- 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) Check that cool air flows out of the side vents and the rear console box vents.
- 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.



SET CLOCK

With the “ENGINE” switch in the ACCESSORY or “IG-ON” mode, check that the clock is operating.

Without navigation system:

Set the clock to the proper time. To reset the hour, press the “H” button. To reset the minutes, press the “M” button.

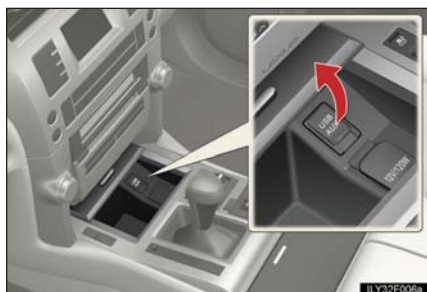
With navigation system:

Check clock settings and ensure that Auto Adjust Clock is on.

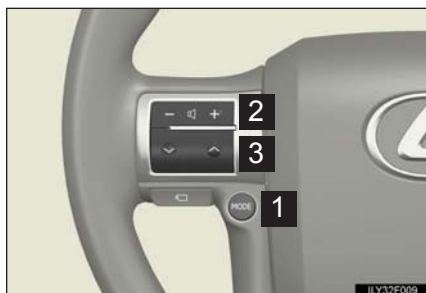


AUDIO SYSTEM

- a) With the “ENGINE” switch in the ACCESSORY or “IG-ON” mode, press the “PWR·VOL” knob on and check for proper operation of both AM and FM stations (slide cover down if necessary).
- 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) AUX and USB jack should be inspected for proper operation. Slide the auxiliary box lid and connect a device.



* If equipped



Checking function of the audio remote control switches

a) With 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) → SAT (1, 2, 3)* → CD changer → Bluetooth® audio* → AUX → USB (iPod® player or USB memory player) → AM → FM (1, 2)

1 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.

3 RADIO mode:
Selects a radio station

CD mode:
Selects tracks, files (MP3 and WMA) and discs

Bluetooth® audio mode:
Selects a track and album

iPod® player mode:
Selects a song

USB memory player mode:
Selects a file and folder

* If equipped



LEXUS NAVIGATION SYSTEM*

- a) With the "ENGINE" switch in the ACCESSORY or "IG-ON" mode, check that the initial "LEXUS" screen appears and then changes to the "CAUTION" screen.
- b) Press the "Destination", "Info.Phone", "Setup", "Climate" and "Audio" button, check that the display changes according to the pressed button.

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.



LEXUS DISPLAY AUDIO*

With the "ENGINE" switch in the ACCESSORY or "IG-ON" mode, press the, "Info.Phone", "Setup", "Climate" and "Audio" button, check that the display changes according to the pressed button.

XM NAVWEATHER®*

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

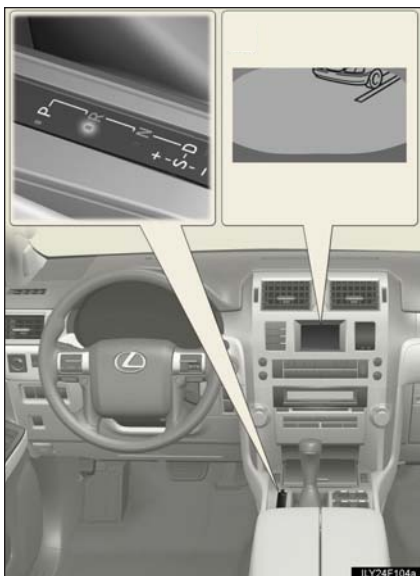
NOTE:

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



REAR VIEW MONITOR*

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.



OUTSIDE REAR VIEW MIRRORS (TILT-DOWN)

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

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

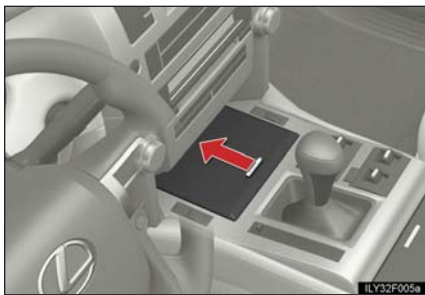


CONSOLE BOX*

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

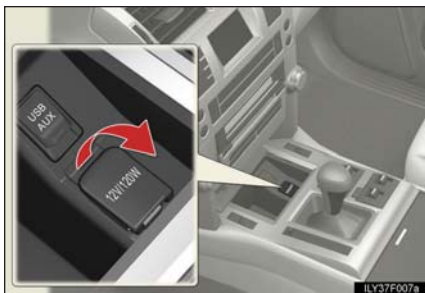


* If equipped



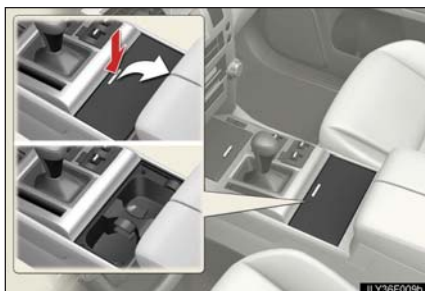
AUXILIARY BOX

Check that the auxiliary box slides smoothly.



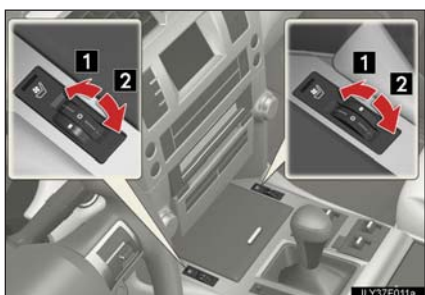
POWER OUTLET (12V DC)

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



CUP HOLDERS (FRONT)

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

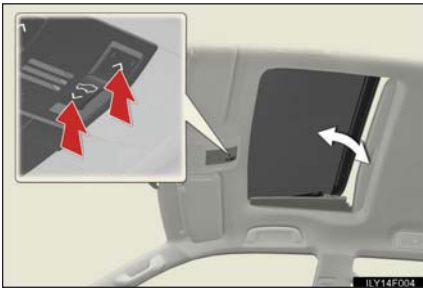
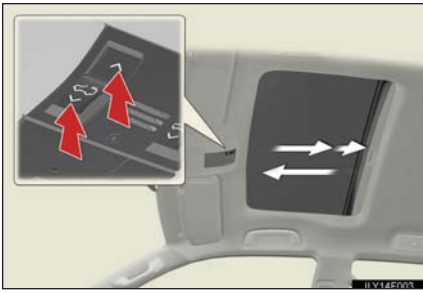


SEAT HEATER AND VENTILATOR*

With the "ENGINE" switch in the "IG-ON" mode, check that the indicator light comes on when the knob is turned. Set the knob at "0" (the indicator light turns off).

- 1 Heater
- 2 Ventilation

* If equipped



MOON ROOF*

With the "ENGINE" switch in the "IG-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 one second, 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.

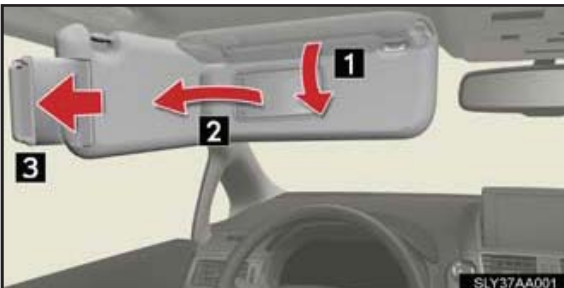
NOTE:

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 one second, release the switch. The moon roof should automatically slide to the fully closed position.
- d) Check that the moon roof can be fully operated after the "ENGINE" switch has been switched to the ACCESSORY mode or OFF.

NOTE:

The moon roof cannot be operated after 45 seconds or if either front door is opened.



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 the side extender

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

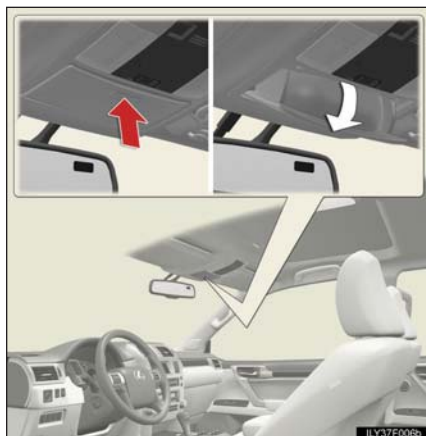
* If equipped



INSIDE REAR VIEW MIRROR

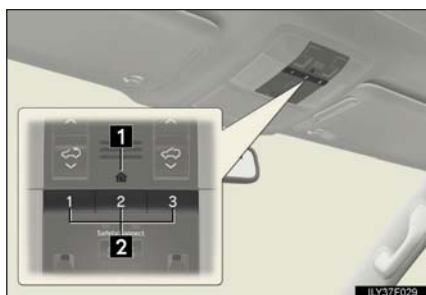
Check the inside rear view mirror operation.

- a) Press the "ENGINE" switch to select the "IG-ON" mode, and check that the mode indicator on the inside rear view mirror illuminates (automatic mode).
- b) Check that the mode changes between the automatic mode (mode indicator on) and day mode (mode indicator off) by pressing the "AUTO" switch.
- c) Turn the interior light on and cover the rear view mirror front 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 brighten.



CONVERSATION MIRROR/SUNGLASS HOLDER

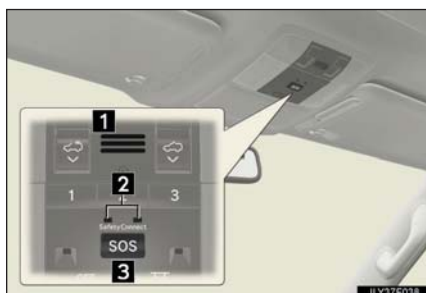
Check that the conversation mirror box opens and closes smoothly. Pull down the mirror and check the sunglass compartment.



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 Microphone
- 2 Light indicator
- 3 "SOS" Button

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.



CLOSE FUEL FILLER DOOR

POWER WINDOW

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

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 that the seat slides smoothly, reclines properly and locks securely in any position.

a) Head Restraint Adjustment

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

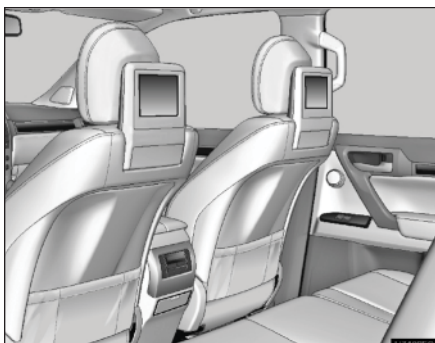


b) Second row seats

1. Folding down the second row seatbacks
 - (1) Lower the head restraints to the lowest position.
 - (2) Pull the seatback lock release lever and fold the seats down.



* If equipped



REAR SEAT ENTERTAINMENT SYSTEM*

a) With the engine switch in the “ACC” or “IG-ON” mode, press the “SOURCE” button and check that the audio source selection screen appears.

b) Check for proper operation of AM/FM/SAT stations.

c) The CD or DVD changer and wireless headphones should be inspected for proper operation prior to delivery.

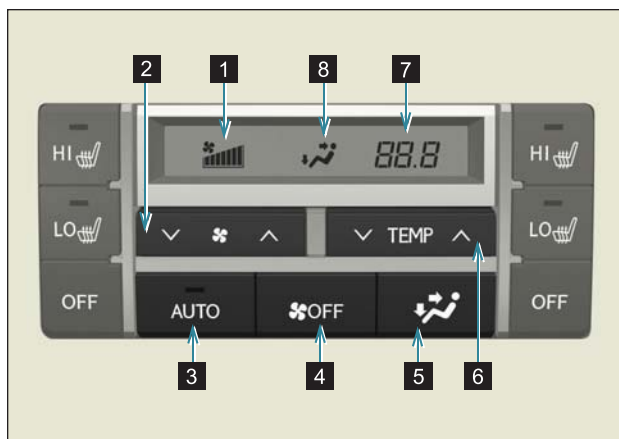


d) Check for smooth operation of the following controls:

- 1 Headphone jack
- 2 Volume knob



* If equipped



REAR AIR CONDITIONING SYSTEM*

Check for smooth operation of the following controls:

- 1 Fan speed display
- 2 Fan speed
- 3 Automatic mode
- 4 Off
- 5 Changes the air outlets used
- 6 Temperature control
- 7 Temperature setting display
- 8 Airflow display

Press "AUTO" and set temperature to 72 °F (22.2 C).



REAR SEAT HEATER*

Check for smooth operation of the following controls:

- 1 Left second seat
- 2 Right second seat
- 3 High heating temperature
- 4 Low heating temperature
- 5 Off



ARMREST

Check that the center armrest operates smoothly.



CUP HOLDERS (REAR)

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

* If equipped



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.



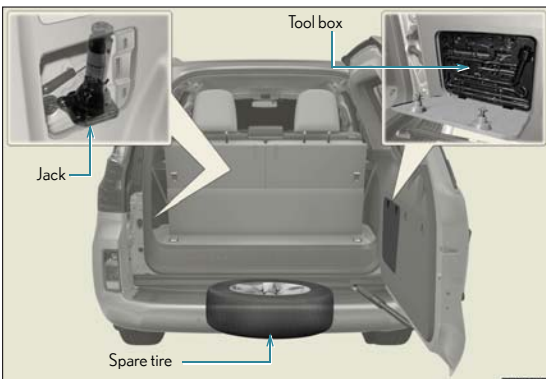
Check Glass Hatch

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



POWER OUTLET (120V AC, type A)*

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



TOOLS, JACK AND JACK HANDLE

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

SPARE TIRE PRESSURE

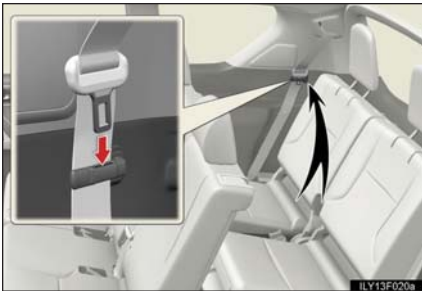
Check and adjust spare tire air pressure:

- P265/60R18 109H: 32 psi (220 kPa, 2.2 kgf/cm² or bar)

* If equipped

TRIM APPEARANCE AND LUGGAGE CARPET FIT

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

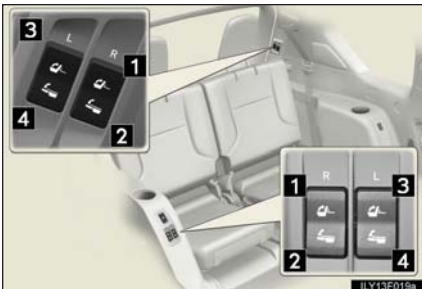


THIRD ROW SEATS

1. Folding down the third row seatbacks

(1) Stow seatbelts.

(2) Press and hold . Two beeps sound. Press and hold  again. Two beeps sound, the head restraints will fold forward, and the seat will fold.



2. Returning the third row seatbacks

(1) Press and hold . Two beeps sound and the seatback and seat cushion begin to move. Lift the head restraints up until they lock.



LUGGAGE COVER

Check for smooth operation of the luggage cover.



CLOSE BACK DOOR

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.

POWER WINDOW

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

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

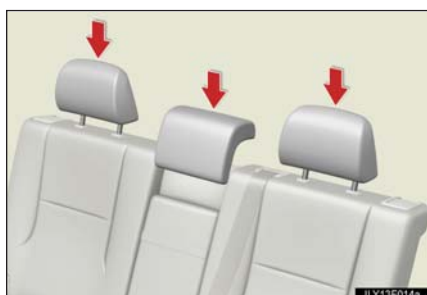
Check that the seat slides smoothly, reclines properly and locks securely in any position.

a) Head Restraint Adjustment

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

b) Second row seats

- 1. Folding down the second row seatbacks
 - (1) Lower the head restraints to the lowest position.
 - (2) Pull the seatback lock release lever and fold the seats down.



POWER WINDOW AND DOOR LOCKS

- a) With the "ENGINE" switch in the "IG-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 "ENGINE" switch has been switched to the ACCESSORY mode or OFF.

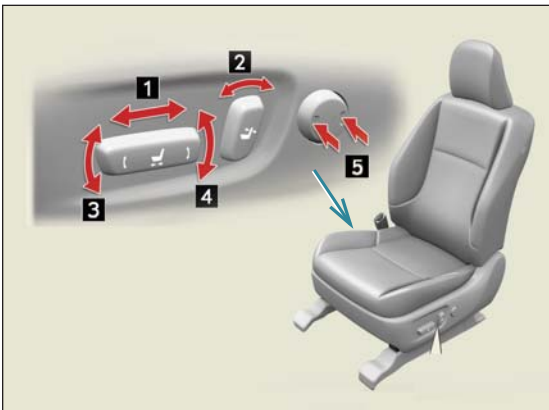
NOTE:

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

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

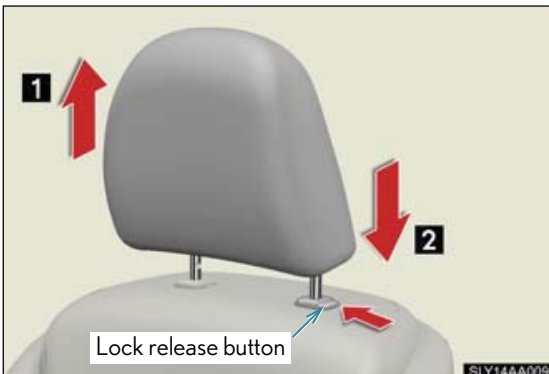
Check that the seat slides smoothly, reclines properly and locks securely in any position.

a) Seat Adjustment

- 1** Seat position adjustment
- 2** Seatback angle adjustment
- 3** Seat cushion (front) angle adjustment
- 4** Vertical height adjustment
- 5** Lumbar 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.

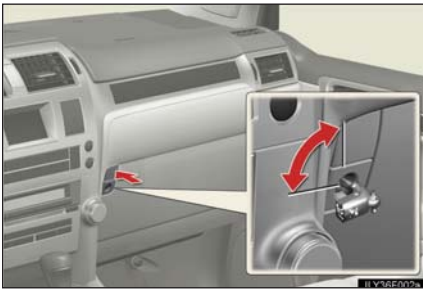


SUN VISOR AND VANITY MIRROR

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

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

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



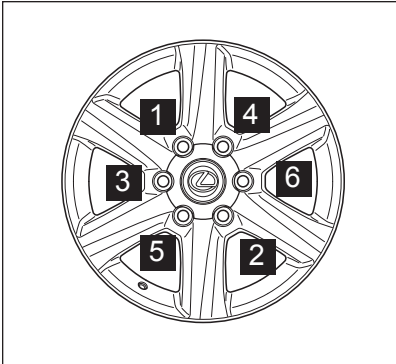
GLOVE BOX

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

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.

Torque specifications:
83 ft-lbf (112 N•m, 11.5 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

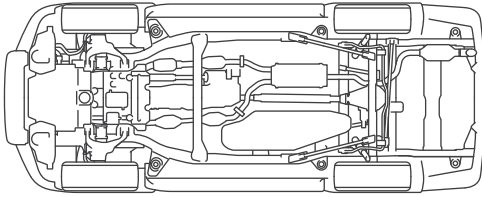
REMOVE WHEEL FILM

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*.

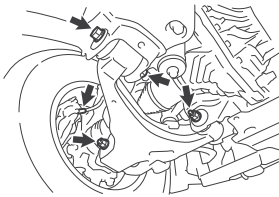
Image shown is LX 570, GX 460 is similar.



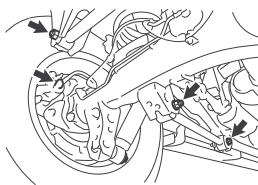
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Image shown is LX 570, GX 460 is similar.

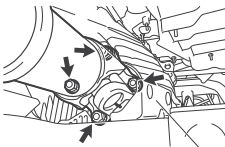
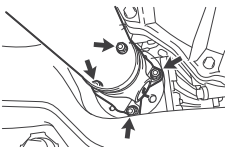
Front



Rear

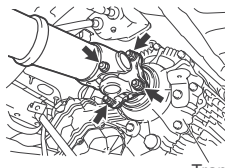


Front Propeller Shaft



Transfer

Rear Propeller Shaft



Transfer



08LXIIIIE014IY

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
 - Steering gear
 - Brake lines
 - Fuel lines
- c) Visually check the entire underside of the body for proper rust-resistant coating.

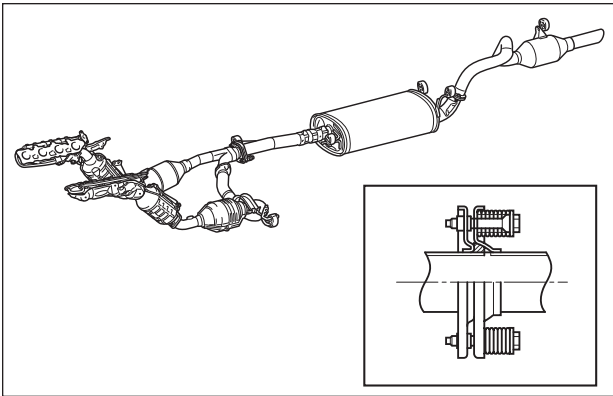
CHECK AND TIGHTEN ALL CHASSIS BOLTS OF COMPONENTS THAT ARE REPLACED DUE TO REPAIRS

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) Propeller 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) Power steering lines and hoses
- g) Front shocks
- h) Front differential



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

FRONT SPOILER INSTALLATION

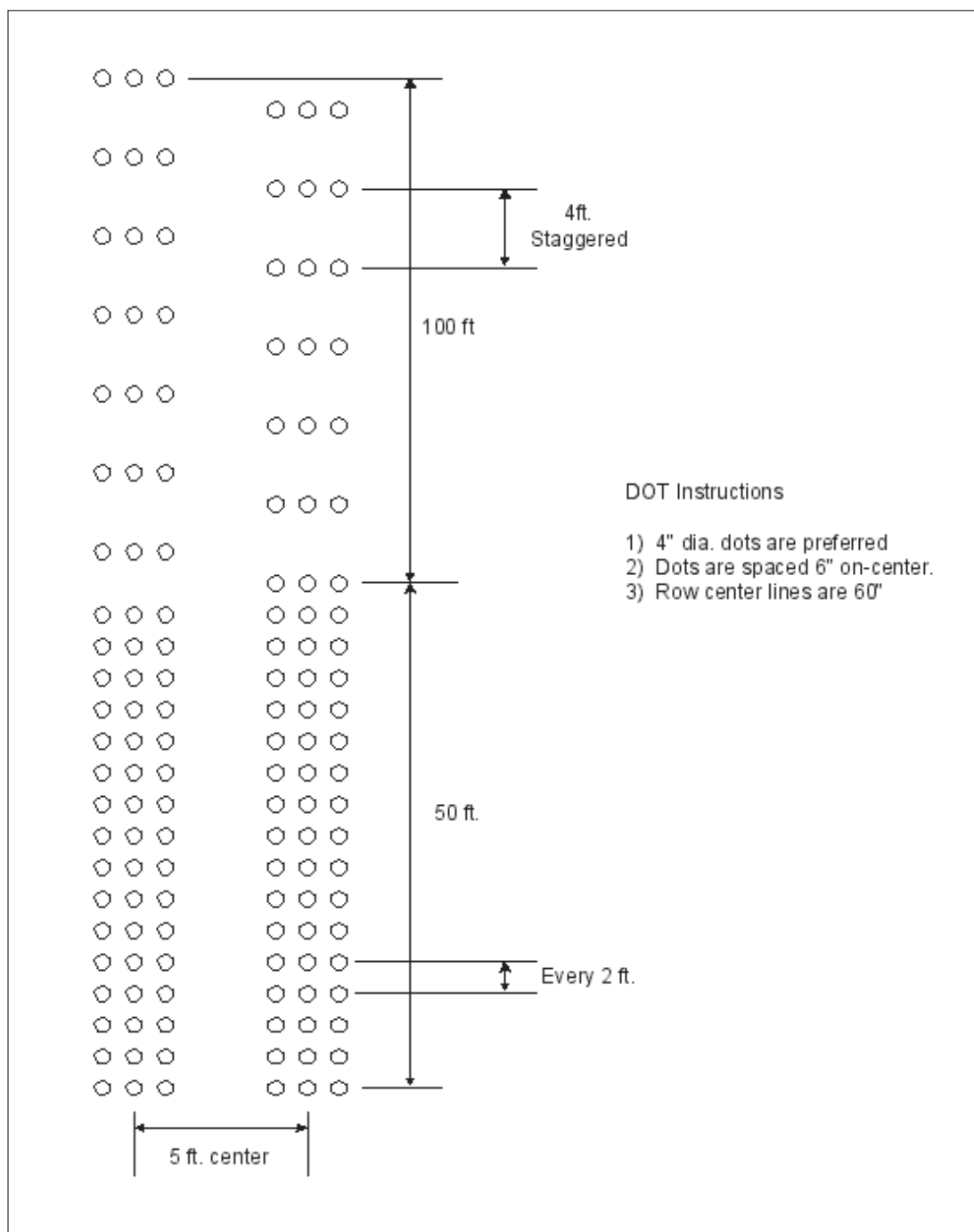
Refer to Service Bulletin

TIRE POSITIONING

Refer to Service Bulletin

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).

ENGINE OPERATION COLD AND HOT



ELECTRIC COOLING FANS

a) Check that the engine cooling fans rotate smoothly.

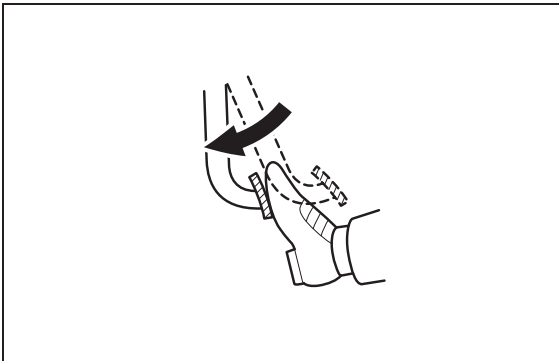
CAUTION:

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.



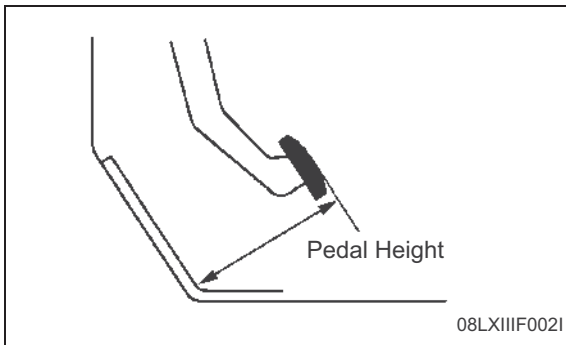
BRAKE AND PARKING BRAKE

- Check braking effort. Check for pull or any abnormal noise.
- With the "ENGINE" switch in the "IG-ON" mode, check that the brake warning light comes on when the parking brake is applied (and goes off when it is released).
- Inspect Parking Brake Pedal Travel
 - Fully depress the parking brake pedal to engage the parking brake.
 - Depress the pedal again to disengage the parking brake.
 - Slowly depress the parking brake pedal using the specified force, and count the number of clicks.

Parking brake pedal travel:

5 to 7 notches at 94 N (30 kgf, 66 lbf)

If parking brake pedal travel is not as specified, adjust the parking brake shoe clearance and parking brake pedal travel.

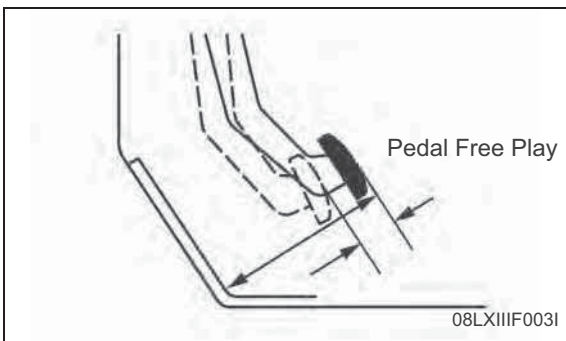


BRAKE PEDAL HEIGHT, FREE PLAY AND RESERVE DISTANCE IF PEDAL DOES NOT OPERATE CORRECTLY

- Check the brake pedal height.

Pedal height from tibia pad:

147.1 - 157.1 mm (5.80 - 6.18 in.)

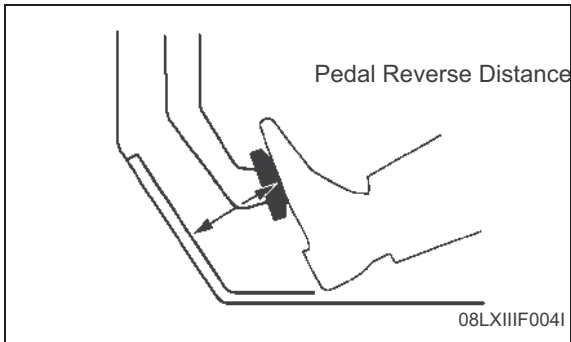


- Check the brake pedal free play. Push in the pedal by hand and check that the pedal free play is within the specification.

Pedal free play:

1.0 - 6.0 mm (0.04 - 0.24 in.)

INSPECTION DETAILS - J. ROAD TEST



- 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 asphalt sheet at 490 N (50 kfg, 110.2 lbf)

AFS, HEADLIGHTS

INITIAL CALIBRATION OF MIRROR COMPASS

Refer to Service Bulletin

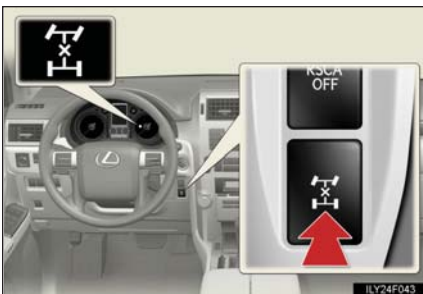


ENGINE TRANSMISSION OPERATION

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

ENGINE SYSTEM OPERATION WHILE DRIVING

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



CENTER DIFFERENTIAL SWITCH

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



FOUR-WHEEL DRIVE SYSTEM

Place the shift lever in the “N” position. Check that the indicator lights turn on when the four-wheel drive control switch is turned to the “L4” position.

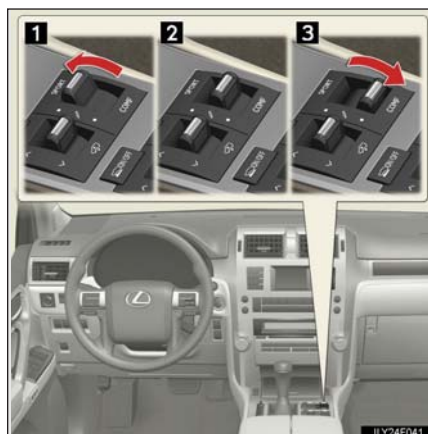
- 1 “H4” (high speed position)
- 2 “L4” (low speed position)



REAR HEIGHT CONTROL AIR SUSPENSION*

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 Higher
- 2 Lower

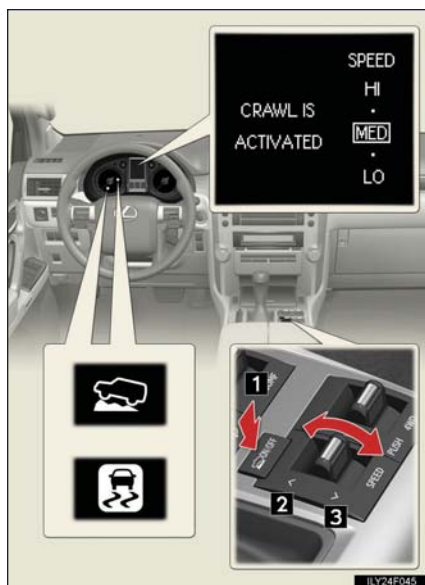


AVS (ADAPTIVE VARIABLE SUSPENSION SYSTEM)*

Check that the switch moves back and forth smoothly.

- 1 Sport mode
- 2 Normal mode
- 3 Comfort mode

* If equipped



CRAWL CONTROL*

- Check that the crawl indicator turns on and the slip indicator blinks when the "ON/OFF" switch is pressed.
- 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 Higher
- 3 Lower



RSCA (ROLL SENSING OF CURTAIN SHIELD AIRBAG) OFF SWITCH

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

* If equipped

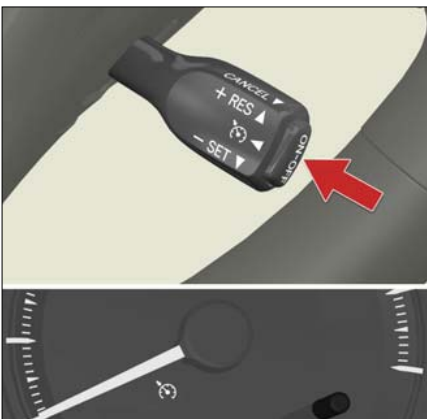
TRAC AND/OR VSC SYSTEM

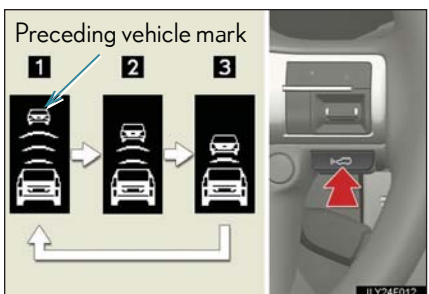
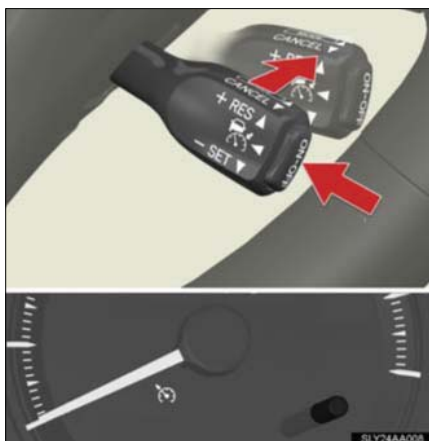
- a) Turning off the TRAC system
Check that the indicator light illuminates on the multi-information display when the switch is quickly pressed and released.
- b) Turning off the TRAC and VSC systems
Check that the indicator light illuminates on the multi-information display when the switch is pressed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



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 one second. (Instrument cluster indicator 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:

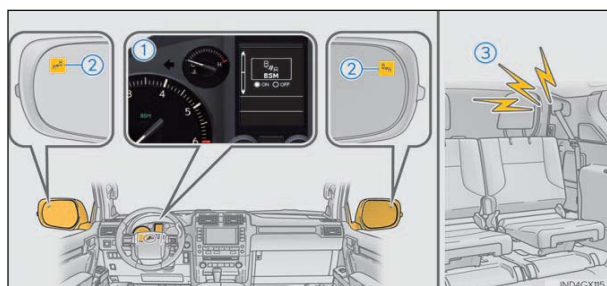
Always keep the millimeter wave radar sensor glass clean.

* If equipped



LANE DEPARTURE ALERT (LDA)*

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



BLIND SPOT MONITOR*

With the “ENGINE” switch in the “IG-ON” mode, check that the switch’s indicator light illuminates when the function is selected.

- 1 BSM on/off screen and indicator
- 2 Outside rear view mirror indicator
- 3 Rear cross traffic alert buzzer

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

* If equipped

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

HORN

TURN OFF RADIO, AIR CONDITIONING, SEAT HEATERS, LIGHTS

OWNER'S MANUALS AND PORTFOLIO

- a) Place the Quick Guide booklet in the glove box. If the vehicle is equipped with Navigation, also place the Navigation/Quick Guide disc in the glove box.
- b) Check that the *Owner's Manual Portfolio* contains the *Owner's Manual(s)* and place in the vehicle cargo area.
- 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.

NOTE:

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

COMPLETION

GX 460 PRE-DELIVERY SERVICE (PDS) CHECK SHEET

1 of 2

- Use the PDS Manual when performing this service. Download manual from TIS or Dealer Drive or order from MD2C, 00242 PDS.GX.MAN.
- Check the Technical Information System (TIS) for PDS Technical Service Information Bulletins (TSB) that apply to the model you are servicing.
- Verify the Vehicle Identification Number (VIN) on repair order and vehicle match.

Check clearance, damage through entire process

- 1. Prepare tools & supplies (p.2)**
- 2. Pull vehicle out, open hood**
- 3. Engine Compartment (Leave Vehicle cover)**
 - Short pin installation, finished use TSB**
 - Engine of level (engine and transfer) and, display
 - Engine power, steering fluid, wheel lock
 - Add fluid to windshield wiper to water 2" of cap**
 - Acid, engine, engine, engine, engine, engine
 - Engine, engine, engine, engine, engine, engine
 - Refill 62/6V in, pre-heat**
 - Washers**
 - 4. Road, Locks and Lights**
 - Removes (2) engine oil, all doors, sound, fuel
 - Removes (2) engine oil, all doors, sound, fuel
 - Check (2) engine oil, all doors, sound, fuel
 - 5. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 6. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 7. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 8. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 9. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 10. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 11. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 12. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 13. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 14. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 15. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
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 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 16. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 17. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 18. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 19. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 20. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust (2) engine oil, all doors, sound, fuel
 - 21. Left Front (Front) Headlight**
 - ADJUSTOR CHECK**
 - Adjust (2) engine oil, all doors, sound, fuel
 - Adjust

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.

GX 460 PRE-DELIVERY SERVICE (PDS)

2 of 2

LEXUS DAMAGE PREVENTION STANDARDS

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

MDC Supplies (800-622-2033)

Fender Covers	00242 FENDER COVER
Non-scratch Ball (28" - 32")	00242 LBEL12832
Non-scratch Ball (34" - 38")	00242 LBEL13438
Non-scratch Ball (40" - 44")	00242 LBEL14044
Non-scratch Ball (46" - 50")	00242 LBEL14650
Ring Ties	00242 SNGTTP

TIRE PRESSURE - See tire info label

Tire and Loading Information Label

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 on the bottom-side up, do not place another floor mat 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.)

BATTERY CHARGE PRINTOUT - ATTACH

TECHSTREAM TIRE PRESSURE PRINTOUT - ATTACH

TECHSTREAM HEALTH CHECK PRINTOUT - ATTACH

MIRROR COMPASS INITIALIZATION MAGNETIC ZONES

TOOLS AND SUPPLIES

- Techstream Diagnostic Tester
- Power point charger
- Digital tire pressure gauge
- 4mm socket wrench
- Torque plate frame & bracket
- Non-metallic Loe tool
- (short pin installation if needed)
- Flashlight with fresh batteries
- Clean gloves, clean shoes, ring tape, non-scratch ball
- Clean rags, fender covers
- Wiping pen
- Washer fluid (water (rain) mixing wipe check)
- CD, DVD movie (for checking audio & rear seat entertainment)
- Convex mirror - use dealer mirror to check brake & reverse light
- 2nd technician not available
- Both dots if rough road not available

WORK FLOW

No 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:

Your vehicle and vehicle features will be fully operational.
The Dealer Service Department Pre-delivery Service involves 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/Cargo Compartment Items
 Road Tested to Confirm Vehicle Operates as Designed

All Lexus Customer Care Programs will be explained:
 Complimentary 30 Days or 1000 Miles First Scheduled Maintenance Service with Lexus Personalized Settings Adjustment
 Complimentary Six Months or 5000 Miles Second Scheduled Maintenance Service with Engine Oil and Filter Change, Tire Rotation
 Warranty Schedules
 Lexus Roadside Assistance

The interior and exterior of your vehicle will be clean and your vehicle will have a full tank of recommended premium-grade fuel.
 Cleaning and caring for the exterior and interior of your vehicle will be explained.

You will be introduced to a representative of the Service & Parts Department.
Feature operation will be explained and demonstrated, including:

Keys and Locks	1-Touch Power Windows	Fuel Door Release, Fuel Cap
Seat and Mirror Adjustments	Audio System	(Premium-Grade Fuel)
Exterior and Interior Lights	Cruise Control	
Climate Control	Windshield Wipers	

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

- ☐ Bluetooth® Phone operation; if available and compatible, pair customer's Bluetooth phone to vehicle
- ☐ Lexus Navigation System guidance; set location nearby customer home as "Home"
- ☐ Satellite Radio operation; turn on, view music types, channels, set presets
- ☐ Park Assist System / Back-up Camera
- ☐ Advanced Parking Guidance System (LS)
- ☐ Electronic Parking Brake with Brake Hold (LS)
- ☐ Rear Seat Entertainment System
- ☐ 1-Touch Power Moonroof
- ☐ Lexus Hybrid Drive System (Hybrid Overview booklet p. 1 and 2)
- ☐ Lexus Link® (GS, LS, GX, LX)

Dealership Service Representative _____ Dealership Sales Representative _____ Date _____

Dealership Name _____ 



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.

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