

SECTION 1-3

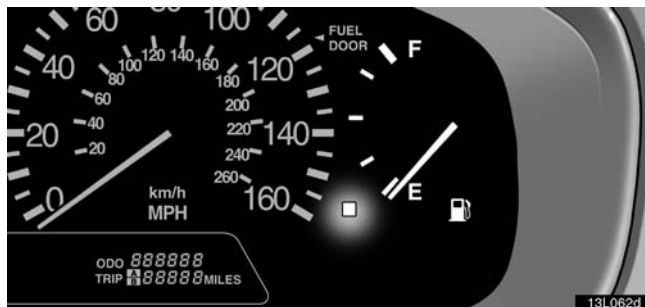
INSTRUMENTS AND CONTROLS

Gauges, meters and service reminder indicators

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GAUGES, METERS AND SERVICE REMINDER INDICATORS

FUEL GAUGE



► Low fuel level warning light

The gauge indicates the approximate quantity of fuel remaining in the tank when the ignition switch is on.

It is a good idea to keep the tank over 1/4 full.

If the fuel level approaches "E" or the low fuel level warning light comes on, fill the fuel tank as soon as possible.

On inclines or curves, due to the movement of fuel in the tank, the fuel gauge needle may fluctuate or the low fuel level warning light may come on earlier than usual.

If the fuel tank is completely empty, the malfunction indicator lamp comes on. Fill the fuel tank immediately.

The indicator lamp goes off after driving several times. If the indicator lamp does not go off, contact your Lexus dealer as soon as possible.

See the inner back cover for fuel capacity and recommended fuel selection.

ENGINE COOLANT TEMPERATURE GAUGE



► Normal range

The gauge indicates the engine coolant temperature when the ignition switch is on. The engine operating temperature will vary with changes in weather and engine load.

If the needle points to the red zone or higher, stop your vehicle and allow the engine to cool.

Your vehicle may overheat during severe operating conditions, such as:

- Driving up a long hill on a hot day.
- Reducing speed or stopping after high speed driving.

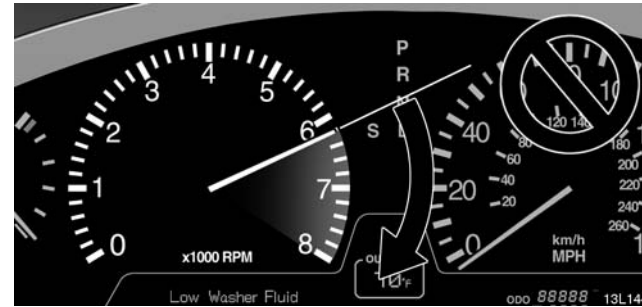
GAUGES, METERS AND SERVICE REMINDER INDICATORS

- Idling for a long period with the air conditioning on in stop-and-go traffic.
- Towing a trailer.

NOTICE

- **Do not remove the thermostat in the engine cooling system as this may cause the engine to overheat. The thermostat is designed to control the flow of coolant to keep the temperature of the engine within the specified operating range.**
- **Do not continue driving with an overheated engine. See “If your vehicle overheats” on page 405.**

TACHOMETER



The tachometer indicates engine speed in thousands of rpm (revolutions per minute). Use it while driving to prevent engine over-revving.

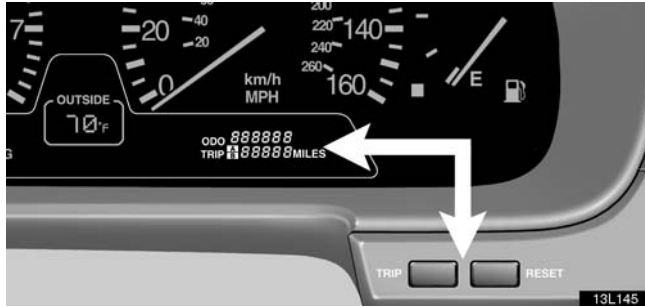
Driving with the engine running too fast causes excessive engine wear and poor fuel economy. Remember, in most cases the slower the engine speed, the greater the fuel economy.

NOTICE

Do not let the indicator needle get into the red zone. This may cause severe engine damage.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

ODOMETER AND TRIP METER



This meter displays the odometer and two trip meters. To change the mode indication, push the “ODO/TRIP” button briefly. Each time you push the button, the mode changes in order from the odometer to trip meter A to trip meter B, then to the odometer.






The odometer records the total distance the vehicle has been driven. The twin trip meter records two different distances independently.

For example, you can use one meter to calculate the fuel economy and the other to measure the distance on each trip.






To change the trip meter indication from one trip to the other, push the “ODO/TRIP” button. To set the trip meter A to zero, display the meter A reading, then push the “RESET” button. The same applies for the trip B meter.

The data of trip meters will be cancelled if the electrical power source is disconnected.

SERVICE REMINDER INDICATORS AND WARNING BUZZERS

	IF THIS INDICATOR OR BUZZER COMES ON ...	DO THIS.
(a)	BRAKE or 	If parking brake is off, stop immediately and contact Lexus dealer.
(b)	 (Indicator and buzzer)	Fasten driver's seat belt.
(c)	 PASSENGER	Fasten front passenger's seat belt.
(d)		Take vehicle to Lexus dealer immediately.
(e)		Stop and check.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

IF THIS INDICATOR OR BUZZER COMES ON ...		DO THIS.
(f)	 or 	Take vehicle to Lexus dealer.
(g)		See multi-information display.
(h)	ABS or 	Take vehicle to Lexus dealer. If brake system warning light is also on, stop immediately and contact Lexus dealer
(i)		Close all doors.
(j)	Low fuel level warning light	Fill up tank.

IF THIS INDICATOR OR BUZZER COMES ON ...		DO THIS.
(k)	Key reminder buzzer	Remove key.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

(a) Brake System Warning Light

This light comes on in the following cases when the ignition switch is in the "ON" position.

- **When the parking brake is applied ...**

This light comes on for a few seconds when the ignition switch is turned to the "ON" position even after the parking brake is released.

- **When the brake fluid level is low ...**

 CAUTION
It is dangerous to continue driving normally when the brake fluid level is low.

Have your vehicle checked at your Lexus dealer in the following case:

- The light does not come on even if the parking brake is applied when the ignition switch is in the "ON" position.
- The light does not come on even if the ignition switch is turned on with the parking brake released.

A warning light turning on briefly during operation does not indicate a problem.

 CAUTION
If either of the following conditions occurs, immediately stop your vehicle at a safe place and contact your Lexus dealer.
<ul style="list-style-type: none">• The light does not turn off even after the parking brake is released while the engine is running. <p>In this case, the brakes may not work properly and your stopping distance will become longer. Depress the brake pedal firmly and bring the vehicle to an immediate stop.</p> <ul style="list-style-type: none">• The brake system warning light remains on together with the "ABS" warning light. <p>In this case, not only the anti-lock brake system will fail but also the vehicle will become extremely unstable during braking.</p>

GAUGES, METERS AND SERVICE REMINDER INDICATORS

(b) Driver's Seat Belt Reminder Light and Buzzer

The light and buzzer act as a reminder to have the driver buckle up the seat belt.

Once the ignition switch is turned to "ON" or "START", the reminder light flashes and buzzer sounds if the driver's seat belt is not fastened. Unless the driver fastens the belt, the light continues flashing and the buzzer stops after about 4 to 8 seconds.

(c) Front Passenger's Seat Belt Reminder Light

The light acts as a reminder to have the front passenger buckle up the seat belt.

Once the ignition switch is turned to "ON" or "START", the reminder light flashes if a passenger sits in the front passenger seat and does not fasten the seat belt. Unless the front passenger fastens the belt, the light continues flashing. However, if a front passenger uses an additional seat cushion, the indicator light may not flash even when the seat belt is not buckled up.

If luggage or other load is placed on the front passenger seat, depending on its weight and how it is placed on the seat, the built-in sensor in the seat cushion may detect the pressure, causing the reminder light to flash.

(d) SRS Warning Light

The indicators come on when the ignition switch is turned to the "ON" position. It goes off after about 6 seconds. This means the SRS airbags and seat belt pretensioners are operating properly.

This warning light system monitors the airbag sensor assembly, front airbag sensors, side and curtain shield airbag sensor assemblies, curtain shield airbag sensor assemblies, driver's seat position sensor, driver's seat belt buckle switch, occupant detection sensor, front passenger's seat belt buckle switch, seat belt pretensioner assemblies, inflators, warning light, interconnecting wiring and power sources.

If any of the following conditions occurs, this indicates a malfunction somewhere in the parts monitored by the warning light system. Contact your Lexus dealer as soon as possible to service the vehicle.

- When the ignition switch is turned to the "ON" position, the light does not come on or remains on for more than 6 seconds.
- The light comes on while driving.

If the light stays on, it indicates that the SRS driver and front passenger airbags, SRS side and curtain shield airbags and/or seat belt pretensioners have a problem.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

(e) Discharge Warning Light

This light warns that the battery is being discharged.

If it comes on while you are driving, stop the vehicle, turn off the engine, and check for the cause. Look first at the engine drive belt.

- If it is loose or broken, the generator will not charge the battery properly.
- If the belt is O.K., there is a problem somewhere in the charging system.

The engine ignition will continue to operate, however, until the battery is discharged. Turn off the air conditioning, blower, radio, etc., and drive directly to the nearest Lexus dealer or repair shop.

NOTICE

Do not continue driving if the engine drive belt is broken or loose.

(f) Malfunction Indicator Lamp

This lamp comes on when the ignition switch is turned to the “ON” position and goes off after the engine starts. This means that the warning light system is operating properly.

If the lamp remains on, or the lamp comes on while driving, first check the following:

- Empty fuel tank
If the fuel tank is empty, refuel immediately.
- Loose fuel tank cap
If the fuel tank cap is loose, securely tighten it.

These cases are temporary malfunctions. The malfunction indicator lamp will go off after taking several driving trips.

If the lamp does not go off even after several trips, contact your Lexus dealer as soon as possible.

If the fuel tank is not empty or the fuel tank cap is not loose...

- There is a problem somewhere in the engine, emission control system, electronic throttle control system, automatic transmission electrical system or warning light system itself.

Contact your Lexus dealer as soon as possible to service the vehicle.

If this lamp comes on and engine speed does not increase when the accelerator pedal is depressed, there may be a problem somewhere in the electronic throttle control system.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

At this time, vibration may occur. However, if you depress the accelerator pedal more firmly and slowly, you can drive your vehicle at low speeds. Have your Lexus checked by your Lexus dealer as soon as possible.

Even if the abnormality of the electronic throttle control system is corrected during low speed driving, the system may not be recovered until the engine is stopped and the ignition switch is turned to "ACC" or "LOCK" position.

Emissions inspection and maintenance (I/M) programs

Your vehicle may not pass a state emission inspection if the malfunction indicator lamp remains on. Contact your Lexus dealer to check your vehicle's emission control system and OBD (On-Board Diagnostics) system before taking your vehicle for the inspection.

For details, see "Emissions inspection and maintenance (I/M) programs" on page 432.

(g) Master Warning Light

If any system malfunctions, this warning light comes on or flashes together with a warning tone, and a warning message appears in the multi-information display. When the cause of the problem is eliminated, the warning tone and message on the display will turn off.

(h) "ABS" Warning Light

The light comes on when the ignition switch is turned to the "ON" position. If the anti-lock brake system and the brake assist system work properly, the light turns off after a few seconds. Thereafter, if either of the systems malfunctions, the light comes on again.

When the "ABS" warning light is on (and the brake system warning light is off), the anti-lock brake system, the brake assist system, the traction control system and/or the vehicle stability control system do/does not operate, but the brake system still operates conventionally.

When the "ABS" warning light is on (and the brake system warning light is off), the anti-lock brake system does not operate so that the wheels could lock up during a sudden braking or braking on slippery road surfaces.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

If any of the following conditions occurs, this indicates a malfunction somewhere in the components monitored by the warning light system. Contact your Lexus dealer as soon as possible to service the vehicle.

- The light does not come on when the ignition switch is turned to the "ON" position, or remains on.
- The light comes on while you are driving.

A warning light turning on briefly during operation does not indicate a problem.



CAUTION

If the "ABS" warning light remains on together with the brake system warning light, immediately stop your vehicle at a safe place and contact your Lexus dealer.

In this case, not only the anti-lock brake system will fail but also the vehicle will become extremely unstable during braking.

(i) Open Door Warning Light

This light remains on until all the doors are completely closed.

(j) Low Fuel Level Warning Light

This light comes on when the fuel level in the tank becomes very low. Fill the tank as soon as possible.

On inclines or curves, due to the movement of fuel in the tank, the low fuel level warning light may come on earlier than usual.

(k) Key Reminder Buzzer

This buzzer acts as a reminder to remove the key when you open the driver's door with the ignition key in the "ACC" or "LOCK" position.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

How to check all the service reminder indicators

(except the low fuel level warning light):

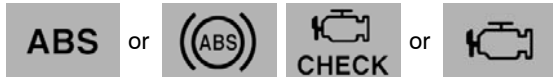
1. Apply the parking brake.
2. Open the door.

The following service reminder indicator should come on. It goes off when you close the door completely.



3. Turn the ignition switch to "ON".

The following service reminder indicators should come on.



The following service reminder indicator goes off after a few seconds.



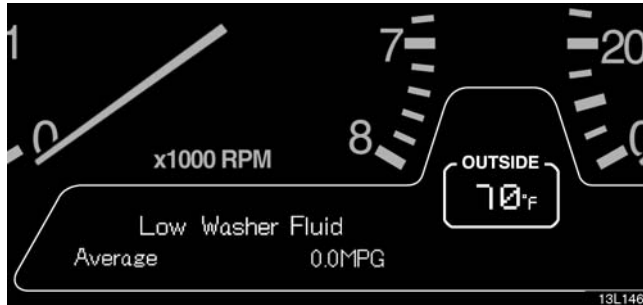
The following service reminder indicator goes off after 6 seconds.



If any service reminder indicator or warning buzzer does not function as described above, have it checked by your Lexus dealer as soon as possible.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

MULTI-INFORMATION DISPLAY



The multi-information display provides various information, including your vehicle's driving condition, outside temperature, and warning messages if your vehicle is in trouble.

During ordinary driving, cruise information and graphic information are displayed. However, if any problem occurs in your vehicle, a warning message appears above the cruise information.

(a) Cruise information



► **1** “DISP1” button **2** “DISP2” button
3 “RESET” button

The following information is shown with the ignition switch turned on. Each time you push the “DISP1” button, the displayed information is changed.

- Available driving distance
- Average fuel consumption
- Current fuel consumption
- Average fuel consumption after being refueled
- Driving distance after being refueled
- Elapsed time
- Average vehicle speed
- Blank

GAUGES, METERS AND SERVICE REMINDER INDICATORS

The displayed cruise information values indicate the general driving condition and may not always reflect precise and actual conditions.

- **Available driving distance**

Range Over 170Mi

▶ *When the fuel gauge is close to “F”*

Range Approx 900Mi

▶ *When the fuel gauge is close to middle*

Low Fuel

▶ *When the fuel gauge is close to “E”*

The available driving distance is calculated and displayed depending on the amount of remaining fuel.

- **Average fuel consumption**

Average 180MPG

The average fuel consumption is calculated and displayed based on the total driving distance and the total fuel consumption with the engine running.

The value is updated every 10 seconds.

To begin recalculating, push the “RESET” button for about 1 to 2 seconds.

- **Current fuel consumption**

Current 180MPG

The current fuel consumption is calculated and displayed based on the driving distance and the fuel consumption per 2 second interval with the engine running.

The value is updated every 2 seconds.

If you are driving at low speeds just before stopping, the accurate figure may not be shown.

- **Average fuel consumption after refueling**

Tank Avg 180MPG

The average fuel consumption after refueling is calculated and displayed based on the total driving distance and the total fuel consumption after refueling.

The value is updated every 10 seconds.

When refueling, be sure to stop your vehicle and turn the ignition switch off.

The average fuel consumption could not be calculated in either of the following cases:

- Refueled by opening the fuel filler door using the manual lever in the trunk
- Refueled with a small quantity of gasoline

To begin recalculating, push the “RESET” button for about 1 to 2 seconds.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

The multi-information display shows “Tank Avg — MPG” for a while after refueling or pushing the “RESET” switch, and then shows the previous average fuel consumption until you start the vehicle.

- **Driving distance after refueling**



150 Mi Since Refuel

The driving distance after refueling is displayed.

When refueling, be sure to stop your vehicle and turn the ignition switch off.

The driving distance after refueling could not be calculated in either of the following cases:

- Refueled by opening the fuel filler door using the manual lever in the trunk
- Refueled with a small quantity of gasoline

To begin recalculating, push the “RESET” button for about 1 to 2 seconds.

- **Elapsed time**



Elapsed Time 43:21

The total time that the engine has been running is displayed.

When the engine is started again after the ignition is off, the driving time is added to the previous value. Up to 99 hours 59 minutes can be displayed. When the driving time exceeds 99 hours 59 minutes, the display returns to 0 and recounting starts.

To begin recalculating, push the “RESET” button for about 1 to 2 seconds.

- **Average vehicle speed**



Average 30MPG

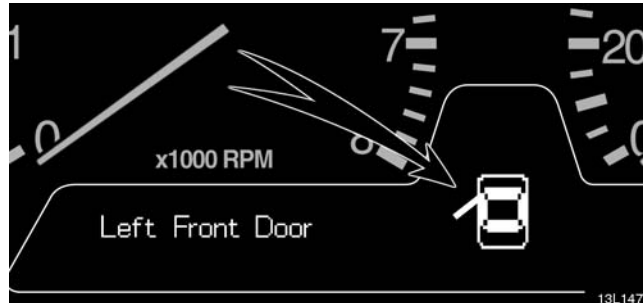
The average vehicle speed is calculated and displayed based on the total driving distance and the total driving time with the engine running.

The displayed value is updated every 10 seconds.

To begin recalculating, push the “RESET” button for about 1 to 2 seconds.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

(b) Graphic information



The following graphic information is shown on the display.

- Any door open
- Compass display (if equipped)
- Outside temperature display
- Lexus park assist system display (if equipped)
- Dynamic radar/laser cruise control display (if equipped)
- Blank

If any door is opened, the warning message also reminds you to close the door.

When the ignition is turned on, the previously selected display appears. Each time you push the “DISP2” button for about 1 to 2 seconds, the display changes from compass (if the compass is initially displayed) to outside temperature to blank screen, then back to compass.

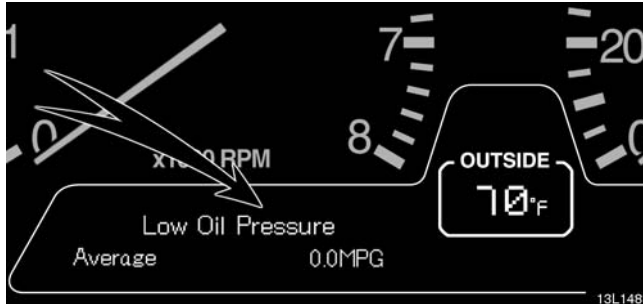
For the compass, see “Compass” on page 105. For the outside temperature display, see “Outside temperature display” on page 117.

If you push the main switch of the Lexus park assist system or turn the ignition on with the main switch of the Lexus park assist system on, the Lexus park assist system screen appears for 2 seconds and then the multi-information display returns to the previous screen.

When you push the main switch of the dynamic radar/laser cruise control, the dynamic radar/laser cruise control screen appears. Each time you push the “DISP2” switch for 1 to 2 seconds, the screen changes to compass, outside temperature display, blank screen, and then back to the dynamic radar/laser cruise control screen. When the display shows a screen other than dynamic radar/laser cruise control, the multi-information display returns to the dynamic radar/laser cruise control screen after 6 seconds. For details, see “Dynamic radar/laser cruise control” on page 330.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

(c) Warning messages



Low Oil Pressure

When the engine oil pressure becomes too low, the master warning light comes on, a warning tone sounds and the above message appears.

If this message appears while you are driving, pull off the road to a safe place and stop the engine immediately. Call a Lexus dealer or qualified repair shop for assistance.

The message may appear when the oil level is extremely low. It is not designed to indicate low oil level, and the oil level must be checked using the oil level dipstick.

NOTICE

Do not drive the vehicle while this warning message is displayed – even for one block. It may ruin the engine.

Brake Wear

When your brake pads have worn down enough to require replacement, the master warning light flashes and a warning tone sounds and the above message appears.

If this message appears while you are driving, have the brake pads checked and replaced by your Lexus dealer as soon as possible.

Low ENG Oil Level

When the engine oil level is too low, the master warning light flashes, a warning tone sounds, and the above message appears.

Add oil as soon as possible. (For instructions, see “Checking the engine oil level” on page 453.)

While driving on steep inclines or rough roads which causes the vehicle to substantially sway or on curves, this message may appear due to the movement of engine oil in the engine.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

In normal conditions, due to engine oil consumption, this message may appear earlier than the specified service interval of the scheduled maintenance. This is because the engine oil is consumed to the low level within the scheduled maintenance interval and does not indicate a problem. (For detailed information, see “Facts about engine oil consumption” on page 451.)

NOTICE

Continued engine operation with low engine oil will damage the engine.

Mileage Reset

This message indicates that the engine oil maintenance data has been reset. After replacing the engine oil, be sure to reset the maintenance data.

To reset the data, perform the following operations:

- 1. Push the “ODO/TRIP” button to change the display to blank.**
- 2. Turn the ignition switch off.**
- 3. Turn the ignition switch to “ON” with the trip meter “RESET” button held down.**
- 4. Keep pushing the “RESET” button for longer than 5 seconds after the ignition is turned on.**

After the above operation, the master warning light comes on, a warning tone sounds and the above message appears to inform you that the engine oil maintenance data has been reset. (U.S.A. only)

GAUGES, METERS AND SERVICE REMINDER INDICATORS

Maint Req'd Soon

If the driving range exceeds 4,500 miles after the engine oil maintenance data is reset, the master warning light comes on, a warning tone sounds and the above message appears for about 15 seconds when you turn the ignition switch to "ON". (U.S.A. only)

This message indicates that the engine oil should be replaced soon. If the message appears, it is recommended to inspect the engine oil with the ignition off. For details about inspection, see "Checking the engine oil level" on page 453.

If the engine oil level is low, engine oil should be replaced. Have it replaced at your Lexus dealer.

After the engine oil replacement, reset the engine oil maintenance data and make sure the "Mileage Reset" appears in the display.

NOTICE

The warning message in the display is based on the driving range after the engine oil maintenance data reset. This is not based on the monitoring of dirty condition of the engine oil.

Maint Req'd

If the driving range exceeds 5,000 miles after the engine oil maintenance data is reset, the master warning light comes on, a warning tone sounds and the above message appears. (U.S.A. only)

This message indicates that the engine oil should be replaced as soon as possible. If the message appears, it is recommended to inspect the engine oil with the ignition off. For details about inspection, see "Checking the engine oil level" on page 453.

If the engine oil level is low, engine oil should be replaced. Have it replaced at your Lexus dealer.

After the engine oil replacement, reset the engine oil maintenance data and make sure the "Mileage Reset" appears in the display.

NOTICE

The warning message in the display is based on the driving range after the engine oil maintenance data reset. This is not based on the monitoring of dirty condition of the engine oil.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

Right Front Door

Left Front Door

Right Rear Door

Left Rear Door

Trunk Open

When any door or trunk is open with the ignition switch turned on, a message appears to let you know which door or trunk is open. If you continue driving in this condition, the master warning light flashes and a warning tone sounds when the vehicle speed exceeds 5 km/h (3 mph).

If any of the above warning messages appears, stop your vehicle and close the door or trunk securely.

Moonroof Open

If the driver's door is opened with the ignition switch turned off and the moon roof opened, the master warning light flashes, a warning tone sounds and the above message appears.

When you leave your vehicle, be sure to close the moon roof.

Park Brake

If you start driving with the parking brake applied, the master warning light flashes, a warning tone sounds and the above message appears when the vehicle speed exceeds 5 km/h (3 mph).

If the above warning message appears, stop your vehicle and release the parking brake.

Check VSC

If the vehicle stability control system or the traction control system malfunctions, the master warning light and "TRAC OFF" indicator light come on. At this time a warning tone sounds and the above message appears.

If the message appears, the vehicle stability control system and traction control system do not work. Although it is no problem to continue driving, have your vehicle checked by Lexus dealer as soon as possible.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

Low Tire

When the low tire inflation pressure is detected while driving, the master warning light comes on, the above message appears and a warning tone sounds.

If the above message appears and adjust the tire inflation pressure to the specified level as soon as possible. Push the tire pressure warning system reset switch for a few seconds and make sure the warning message goes off. If the message still remains on, have your vehicle checked by your Lexus dealer as soon as possible.

Check System

If there is a problem electrically in the tire pressure warning system, the master warning light comes on, the above message appears and a warning tone sounds. At this time the multi-information display indicates which part causes an error.

Although it is no problem to continue driving with the above message on the display, have your vehicle checked by your Lexus dealer as soon as possible.

Pressure Initial

This message indicates the tire pressure warning system is initialized. After replacing the tires or wheels, adjust all 4 tires to specified tire inflation pressure and initialize the tire pressure warning system. To initialize the system, turn the ignition switch to “ON” and push the tire pressure warning system reset switch for longer than 3 seconds with the vehicle stopped. The above message appears.

Low Washer Fluid

When the fluid level in the tank becomes very low, the master warning light comes on, a warning tone sounds and the above message appears.

Fill the tank as soon as possible.

Change A/C Filter

When the air conditioning filter should be replaced, the master warning light comes on, a warning tone sounds and the above message appears.

If the “Change A/C Filter” appears on the multi-information display, change the air conditioning filter as soon as possible because the air filter might have clogged. See “Replacing the air conditioning filter” on page 250 for details.

A/C Filter Reset

If you push the “OFF” button for the front air conditioning for about more than 4 seconds after the replacement of the air conditioning filters, the above message appears and the attention tone sounds to inform you that the data has been reset.

When you push the “OFF” button for the front air conditioning for more than 4 seconds before “Change A/C Filter” appears, the data will be cleared. Do not reset the data before this message appears.

Check S/T Lock

If you push the ignition switch or insert the smart key, and hold the switch or key in the “LOCK” position for more than 3 seconds, the master warning light comes on, a warning tone sounds and the above message appears.

If you release the switch or key, or turn to “ACC”, all the warning will turn off. If it is difficult to turn the switch or key, be sure to push the switch or key while turning the steering wheel slightly in either direction, and then turn the switch or key.

S/T Lock CBL Failure

If the interlock cable for steering lock is faulty, the master warning light flashes, a warning tone sounds and the above message appears.

If the above message appears, contact your Lexus dealer as soon as possible.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

Key is not Detected

In the following cases, the master warning light flashes, a warning tone sounds and the above message appears.

- A smart key is not detected in the vehicle when you push the ignition switch. In this case, the above message appears for 5 seconds.
- A smart key is not detected in the vehicle because someone has taken a smart key outside of the vehicle without turning off the ignition. At this time, the smart key sounds an alarm. The above message turns off if you turn the ignition off or the smart key system detects a smart key in the vehicle.

In addition to either of the above conditions, if you get out from the vehicle, having a smart key when the ignition switch is in the “ACC” or “ON” position and the selector lever is in a position other than “P”, “Shift to P Range” and “Key is not Detected” appear alternately.

Shift to P Range

If you get out from the vehicle, having a smart key when the ignition switch is in the “ACC” or “ON” position and the selector lever is in a position other than “P”, the master warning light flashes, a beep sounds inside the vehicle and the above message appears. When you shift the selector lever to the “P” position or start driving, the beeping stops sounding, the above message turns off.

In addition to the above condition, if the smart key system does not detect a smart key in the vehicle, “Shift to P Range” and “Key is not Detected” appear alternately.

Key is Different

If the smart key system determines that the electronic code of the detected key does not correspond to the registered ID when you push the ignition switch or lock button on the outside door handle, the master warning light flashes, a warning tone sounds and the above message appears for 5 seconds.

Low Key Battery

If the smart key system determines that the battery voltage is low (2V to 3V) when the ignition is turned off more than 20 minutes after turned on, the master warning light flashes, a warning tone sounds and the above message appears for 5 seconds.

If the above message appears, the battery needs to be replaced. Although you can replace the battery referring to "Replacing the battery (Type A)" on page 42, we recommend you have it replaced by your Lexus dealer as it is easy to be scratched.

Height Hi

The above message appears when the high mode in the electronically modulated air suspension is selected. However, if the system fails, the master warning light comes on, a warning tone also sounds and the above message appears.

Although it is no problem to continue driving, have your vehicle checked by your Lexus dealer as soon as possible.

Check Park Sonar

If the sensor of the Lexus park assist system is malfunctioning or a cable is broken when the Lexus park assist system is on, the master warning light comes on, a warning tone sounds, the malfunctioning sensor flashes and the above message appears.

The flashing sensor does not operate properly. Although it is no problem to continue driving, have your vehicle checked by your Lexus dealer as soon as possible.

Clean Park Sonar

If icicles, snowflakes or mud gets on the sensor of the Lexus park assist system or it is frozen when the Lexus park assist system is on, the sensor not be able to detect an obstacle flashes and the above message appears.

Remove the foreign matter or deice the sensor. If the message does not appear after cleaning, the system is operating properly.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

Clean Radar Sensor

Dynamic radar cruise control—

If the system cannot easily measure the vehicle-to-vehicle distance because of a dirty millimeter wave radar sensor or grille cover while the dynamic radar cruise control is on, the master warning light comes on and the “CRUISE” indicator light flashes. At this time a warning tone sounds and the above message appears.

If this message appears, clean the sensor and grille cover with a soft cloth and try setting the preset speed again. If the dirt is removed without cleaning, the system will automatically enter the “RADAR READY” mode. If the system does not enter the “RADAR READY” mode even after cleaning or the message remains on the display, the system might be malfunctioning. Although it is no problem to continue driving, contact your Lexus dealer.

Dynamic laser cruise control—

If the system cannot easily measure the vehicle-to-vehicle distance because of a dirty laser radar sensor glass while the dynamic laser cruise control is on, the master warning light comes on and the “CRUISE” indicator light flashes. At this time a warning tone sounds and the above message appears.

If this message appears, clean the sensor glass with a soft cloth and try setting the preset speed again. If the dirt is removed without cleaning, the system will automatically enter the “RADAR READY” mode. If the system does not enter the “RADAR READY” mode even after cleaning or the message remains on the display, the system might be malfunctioning. Although it is no problem to continue driving, contact your Lexus dealer.

Cruise not Available

If the system cannot easily measure the vehicle-to-vehicle distance because of the following conditions while the dynamic radar/laser cruise control is on, the master warning light comes on, the “CRUISE” indicator light flashes, and a warning tone sounds. At this time the above message appears.

Dynamic radar cruise control—

- The driving pattern selector switch is set to the “SNOW” mode.
- It is determined that it is difficult to make a measurement because of bad weather (such as extremely hot weather)
- The wipers are operated at high speed with the wiper lever in the “AUTO” position

Dynamic laser cruise control—

- The driving pattern selector switch is set to the “SNOW” mode.
- It is determined that it is difficult to make a measurement because of bad weather (such as rainy, foggy, or snowy weather)
- The wipers are operated at high or low speeds with the wiper lever in the “AUTO” position.
- Direct sunlight from the front

In the following cases, the dynamic radar/laser cruise control switches to the “RADAR READY” mode:

Dynamic radar cruise control—

- The driving pattern selector switch is changed to the “normal” or “power” position.
- The wipers are stopped or are switched to low speed or intermittent operation. (Including intermittent and stopped wipers in the “AUTO” position)

In the above conditions, press the control lever upward in the “RES/ACC” direction and release it. The dynamic radar cruise control will be restored, however, even after the weather clears, if the setting operation cannot be performed or if the warning message still appears, the system might have malfunctioned. Although it is no problem to continue driving, contact your Lexus dealer.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

Dynamic laser cruise control—

- The driving pattern selector switch is changed to the “normal” or “power” position.
- The wipers are stopped or are switched to intermittent operation. (Including intermittent and stopped wipers in the “AUTO” position)
- No direct sunlight from the front

In the above conditions, press the control lever upward in the “RES/ACC” direction and release it. The dynamic laser cruise control will be restored, however, even after the weather clears, if the setting operation cannot be performed or if the warning message still appears, the system might have malfunctioned. Although it is no problem to continue driving, contact your Lexus dealer.

Check Cruise System

If a system malfunction is detected when dynamic radar/laser cruise control is in the “RADAR READY” mode or operating, the master warning light comes on, the “CRUISE” indicator light flashes and a warning tone sounds. At this time the above message appears.

If this message appears, stop your vehicle in a safe place, turn the ignition off, and then restart it to reset the system. If the setting still cannot be made or the same message appears again, the system might have malfunctioned. Although it is no problem to continue driving, contact your Lexus dealer.

NOTICE

While you are cruising with the dynamic radar/laser cruise control on, if the master warning light comes on, the cruise indicator light flashes, “Check Cruise System” appears on the multi-information display and the warning tone sounds, turn the ignition switch off and then on again. If the function is cancelled again after setting or if settings cannot be made, the dynamic radar/laser cruise control system may be malfunctioning. Although it is no problem to continue driving, have your vehicle checked by your Lexus dealer.

PCS not Available Now

The master warning light comes on, a warning tone sounds and the above message appears in the following conditions:

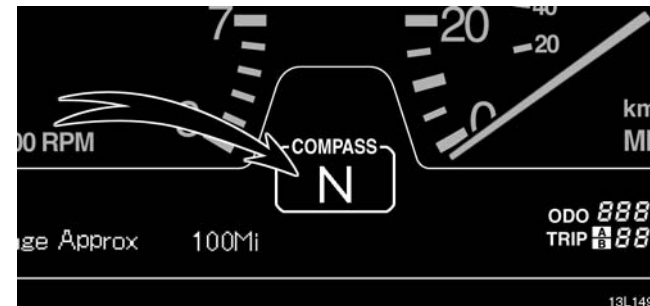
- **The millimeter wave radar sensor or the grille cover is dirty.**
Clean the grille or sensor with a soft cloth to remove the dirt.
- **The pre-collision seat belts are activated repeatedly for a short time.**
The system turns off temporarily for overheating protection, but turns back on after a while.

Check PCS System

If there is a problem somewhere in the pre-collision safety system, the master warning light comes on, a warning tone sounds, and the above message appears.

If the above message appears, the pre-collision safety system may not operate. Contact your Lexus dealer as soon as possible to service the vehicle.

COMPASS (Vehicles without Navigation System)



When the ignition is turned on, the previously selected display appears. If the compass is not displayed, push the “DISP2” button several times for 1 to 2 seconds to display the compass. However if you push the main switch of dynamic radar/laser cruise control to use dynamic radar/laser cruise control, the dynamic radar/laser cruise control display appears. To change to the compass display, push the “DISP2” button for longer than about 1 second.

The compass indicates the direction in which the vehicle is heading. The illustration shown above indicates that the vehicle is heading north.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

Displays	Directions
N	North
NE	Northeast
E	East
SE	Southeast
S	South
SW	Southwest
W	West
NW	Northwest

The compass may not show the correct direction in the following conditions:

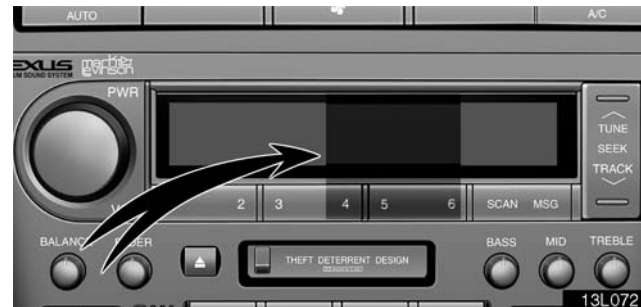
- The vehicle is stopped immediately after turning.
The compass does not adjust while the vehicle is stopped.
- The ignition switch is turned off immediately after turning.
- The vehicle is on an inclined surface.
- The vehicle is in a place where the earth's magnetic field is subject to interference by artificial magnetic fields (underground parking, under a steel tower, between buildings, roof parking, near a crossing, near a large vehicle, etc.).

- The vehicle is magnetized. (There is a magnet or a metal object near the audio system.)
- The battery has been disconnected.

If the deviation is small, the compass works to calibrate the direction automatically while the vehicle is in motion.

For obtaining additional precision or for complete calibrating, see "CALIBRATING THE COMPASS" on page 107.

COMPASS SENSOR



► *Compass sensor*

The compass sensor is located behind the audio system.

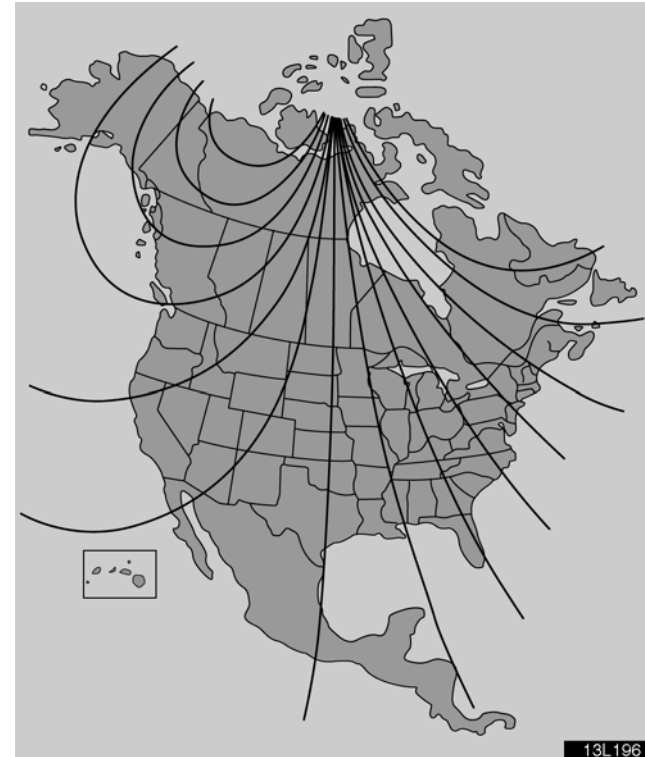
NOTICE

Do not put magnets or a metal object near the audio system. Doing this may cause malfunction of the compass sensor.

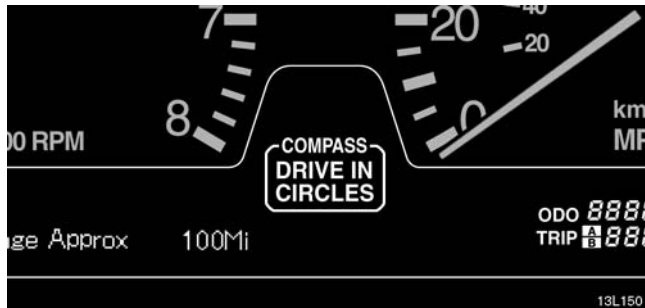
CALIBRATING THE COMPASS

The direction display on the compass deviates from the true direction determined by the earth's magnetic field. The amount of deviation varies according to the geographic position of the vehicle.

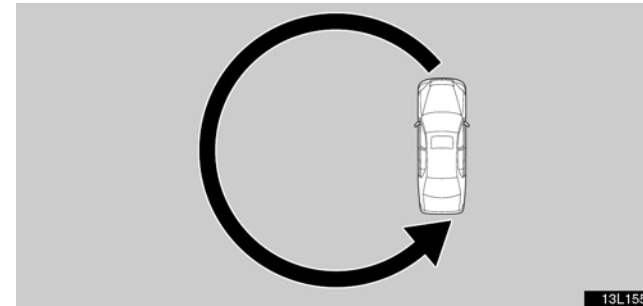
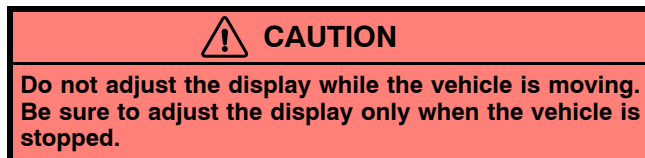
If you cross over the area divided as shown in the illustration, the compass will deviate. If it is necessary to calibrate the compass (deviation calibration), take your vehicle to your Lexus dealer. Even if you do not cross over, the compass may sometimes deviate. If this happens, perform "DRIVE IN CIRCLES" calibration as shown on the next page.



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To rectify the deviation, stop the vehicle, and push and hold the "RESET" button on the steering pad for more than 6 seconds. "DRIVE IN CIRCLES" appears on the display. Perform the following calibration.



Drive the vehicle slowly (at 8 km/h (5 mph) or lower) in a circle until the direction is displayed. If there is not enough space to drive in a circle, drive around the block until the direction is displayed.

After driving in 1 to 3 circles in the above method, calibration is complete with the direction shown on the display.

If calibration cannot be performed because the vehicle is magnetized, take your vehicle to a Lexus dealer.

If you want to cancel the calibration before it is complete, push and hold the "RESET" button on the steering pad more than 6 seconds. To calibrate the compass again, push and hold the same button more than 6 seconds. After "DRIVE IN CIRCLES" appears on the display, follow the calibration procedure above.

Perform circling calibration just after you have purchased your Lexus. And then always perform circling calibration after the battery has been removed, replaced or disconnected.

GAUGES, METERS AND SERVICE REMINDER INDICATORS

- Do not perform circling calibration of the compass in a place where the earth's magnetic field is subject to interference by artificial magnetic fields (underground parking, under a steel tower, between buildings, roof parking, near a crossing, near a large vehicle, etc.).
- During calibration, do not operate electric systems (moon roof, power windows, etc.) as they may interfere with the calibration.

CAUTION

- When doing the circling calibration, be sure to secure a wide space, and watch out for people and vehicles in the neighborhood. Do not violate any local traffic rules while performing circling calibration.
- Do not adjust the display while the vehicle is moving. Be sure to adjust the display only when the vehicle is stopped.

INSTRUMENT PANEL LIGHT CONTROL



To adjust the brightness of the instrument panel lights, turn the knob.

With the knob turned fully right, the intensity of the instrument panel lights will not be reduced when the headlight switch is on.

