

SECTION 1- 6

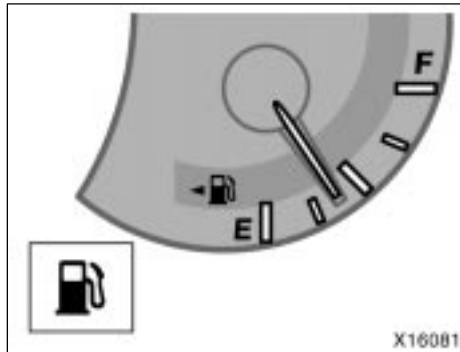
OPERATION OF INSTRUMENTS AND CONTROLS

Gauges, Meters and Service reminder indicators

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Fuel gauge



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

Nearly full—Needle at "F"
Nearly empty—Needle at "E"

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

The needle moves when braking, accelerating or making turns. This is caused by the movement of the fuel in the tank.

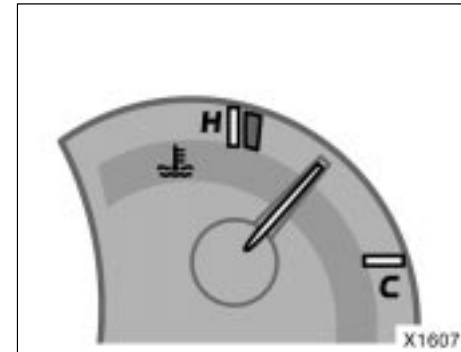
If the fuel level approaches "E" or the low fuel level warning light comes on, fill the fuel tank as soon as possible.

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 Toyota dealer as soon as possible.

Engine coolant temperature gauge



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 moves into the red zone, your engine is too hot. If your vehicle overheats, stop your vehicle and allow the engine to cool.

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

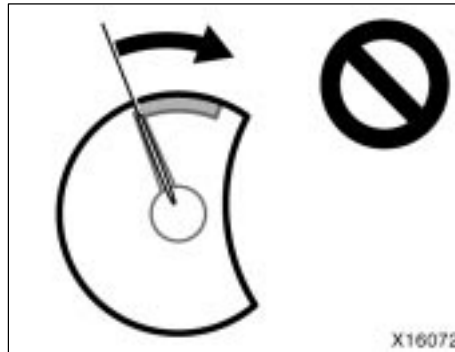
- Driving up a long hill on a hot day.
- Reducing speed or stopping after high speed driving.

- 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 324 in Section 4.*

Tachometer



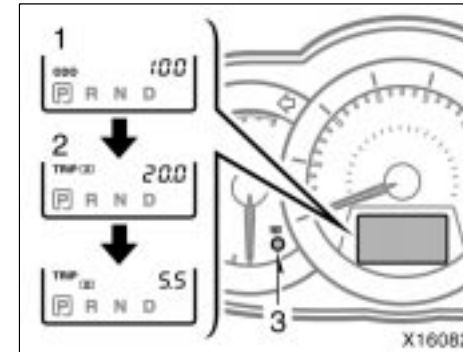
The tachometer indicates engine speed in thousands of rpm (revolutions per minute). Use it while driving to select correct shift points and to prevent engine lugging and over-revving.

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.

Odometer and two trip meters



This meter displays the odometer and two trip meters.

1. Odometer—Shows the total distance the vehicle has been driven.
2. Two trip meters—Show two different distances independently driven since the last time each trip meter was set to zero.

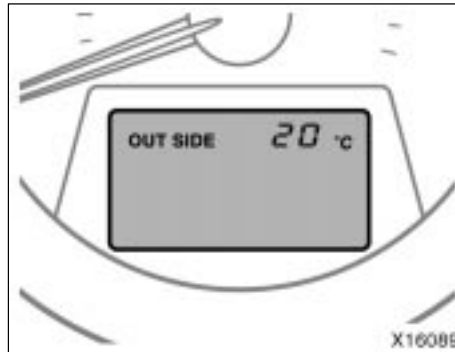
You can use one trip meter to calculate the fuel economy and the other to measure the distance on each trip. All trip meter data is cancelled if the electrical power source is disconnected.

3. Trip meter reset knob—Resets the two trip meters to zero, and also change the meter display.

To change the meter display, quickly push and release the knob. The meter display changes in the order from the odometer to trip meter A to trip meter B, then back to the odometer each time you push.

To reset the trip meter A to zero, display the meter A reading, then push and hold the knob until the meter is set to zero. The same process can be applied for resetting the trip meter B.

Outside temperature display



The displayed temperature ranges from -40°C (-40°F) up to 50°C (122°F).









The key must be in the "ON" position.

If an abnormality exists in the connection of the outside air temperature sensor, "-- °C" will appear on the display. If "-- °C" appears on the display, contact your Toyota dealer.





When the outside air temperature falls below 3°C (37°F) while driving, the temperature display flashes to indicate that the outside air temperature is becoming low. However, if the temperature is already 3°C (37°F) or below, the display does not flash when ignition is turned on.

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Service reminder indicators and warning buzzers

If the indicator or buzzer comes on...		Do this.
(a)	BRAKE or 	If parking brake is off, stop immediately and contact Toyota dealer.
(b)	 (indicator and buzzer)	Fasten driver's seat belt.
(c)	PASSENGER  (indicator and buzzer)	Fasten front passenger's seat belt.
(d)		Stop immediately and contact Toyota dealer.
(e)		Stop and check.
(f)	 CHECK or 	Take vehicle to Toyota dealer.
(g)		Fill up tank.

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If the indicator or buzzer comes on...		Do this.
(h)	ABS or 	Take vehicle to Toyota dealer. If brake system warning light is also on, stop immediately and contact Toyota dealer.
(i)		Close all side doors and back door.
(j)		Take vehicle to Toyota dealer immediately.
(k)	A/T OIL TEMP	Stop and check.
(l)	VSC	Take vehicle to Toyota dealer.
(m)		Adjust the tire inflation pressure. If warning light remains, contact Toyota dealer.
(n)	4WD	Cool the driveline without turning off the engine. If warning light remains, contact Toyota dealer.
(o)	P/S	Take vehicle to Toyota dealer as soon as possible.

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If the indicator or buzzer comes on...		Do this.
(p)		Add washer fluid.
(q)	MAINT REQD	Replace engine oil.
(r)	Key reminder buzzer	Remove key.

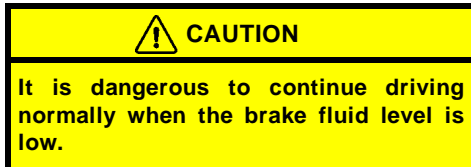
(a) Brake System Warning Light

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

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

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

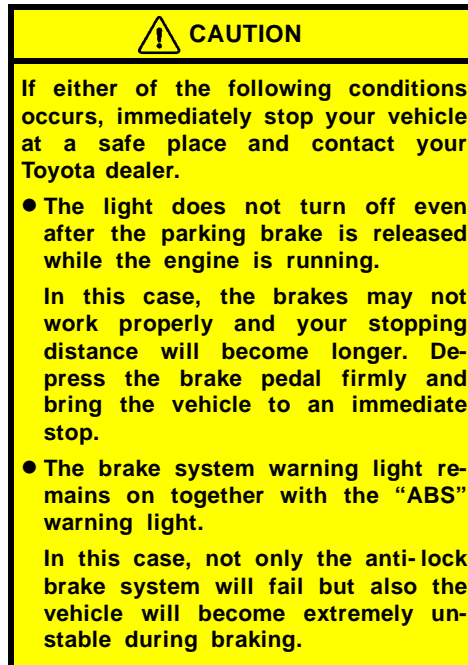
- **When the brake fluid level is low...**



Have your vehicle checked at your Toyota dealer in the following cases:

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

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



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

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

Once the ignition key is turned to "ON" or "START", the reminder light flashes if the driver's seat belt is not fastened. Unless the driver fastens the belt, the light continues flashing.

If the vehicle speed rises above 20 km/h (12 mph) with the seat belt unfastened, the buzzer will sound for 30 seconds. Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 90 more seconds. Even if the vehicle speed drops below 20 km/h (12 mph), the buzzer will continue to sound. To stop the buzzer, fasten the seat belt. If the buzzer still sounds, make sure the front passenger's seat belt is fastened.

(c) Front Passenger's Seat Belt Reminder Light and Buzzer

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

Once the ignition key 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. However, if a front passenger uses an additional seat cushion, the light may not flash even when the seat belt is not buckled up.

If the vehicle speed rises above 20 km/h (12 mph) with the seat belt unfastened, the buzzer will sound for 30 seconds. Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 90 more seconds. Even if the vehicle speed drops below 20 km/h (12 mph), the buzzer will continue to sound. To stop the buzzer, fasten the seat belt. If the buzzer still sounds, make sure the driver's seat belt is fastened.

If luggage or other load is placed on the front passenger seat, depending on its weight the reminder light may flash.

(d) Charging System Warning Light

This warning light comes on when the ignition switch is turned to the "ON" position, and goes off when the engine is started.

When there are problems in the charging system while the engine is running, the warning light comes on.

NOTICE

When the charging system warning light comes on while the engine is running, malfunctions such as the engine drive belt being broken may have occurred. If the warning light comes on, immediately stop the vehicle in a safe place and contact your Toyota dealer.

(e) Low Engine Oil Pressure Warning Light

This light warns that the engine oil pressure is too low.

If it flickers or stays on while you are driving, pull off the road to a safe place and stop the engine immediately. Call a Toyota dealer or qualified repair shop for assistance.

The light may occasionally flicker when the engine is idling or it may come on briefly after a hard stop. There is no cause for concern if it then goes out when the engine is accelerated slightly.

The light may come on 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 level dipstick.

NOTICE

Do not drive the vehicle with the warning light on—even for one block. It may ruin the engine.

(f) Malfunction Indicator Lamp

This lamp comes on when the ignition key 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 followings.

- 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 Toyota 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 Toyota dealer as soon as possible to service the vehicle.

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

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 vehicle checked by your Toyota 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 key is turned to the "ACC" or "LOCK" position.



CAUTION

Be especially careful to prevent erroneous pedal operation.

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 Toyota 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 358 in Section 6.

(g) Low Fuel Level Warning Light

This light comes on when the fuel level in the tank becomes nearly empty. Fill up 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.

(h) "ABS" Warning Light

The light comes on when the ignition key 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 following systems do not operate, but the brake system still operates conventionally.

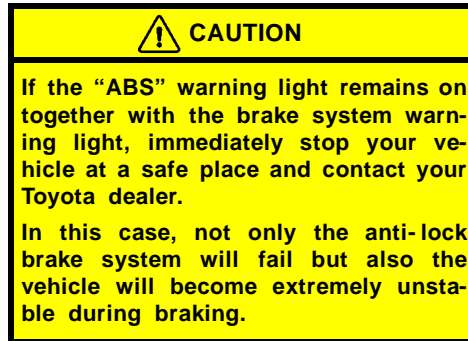
- Anti-lock brake system
- Brake assist system
- Traction control system
- "AUTO LSD" system
- Vehicle stability control system
- Downhill assist control system
- Hill-start assist control system

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.

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

- The light does not come on when the ignition key 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.



(i) Open Door Warning Light

This light remains on until all the side doors and back door are completely closed.

(j) SRS Warning Light

This indicator comes on when the ignition key 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 sensors, curtain shield airbag sensors, driver's seat position sensor, driver's seat belt buckle switch, "AIRBAG ON" indicator light, "AIRBAG OFF" indicator light, front passenger's seat belt buckle switch, seat belt pretensioner assemblies, inflators, interconnecting wiring and power sources.

If any of the following conditions occurs, this indicates a malfunction of the airbags or seat belt pretensioners. Contact your Toyota dealer as soon as possible.

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

The SRS warning light and "AIRBAG OFF" indicator light will come on if there is a malfunction in the front passenger occupant classification system.

(k) Automatic Transmission Fluid Temperature Warning Light

This light warns that the automatic transmission fluid temperature is too high.

If this light comes on while you are driving, slow down and pull off the road. Stop the vehicle at a safe place and put the selector lever in "P". With the engine idling, wait until the light goes off. If the light goes off, you can start the vehicle again. If the light does not go off, call a Toyota dealer or qualified repair shop for assistance.

NOTICE

Continued driving with the warning light on may damage the automatic transmission.

(l) "VSC" Warning Light

The light warns that there is a problem somewhere in the following.

- Vehicle stability control system
- Traction control system
- "AUTO LSD" system
- Downhill assist control system
- Hill-start assist control system

The light will come on when the ignition key is turned to "ON" and will go off after a few seconds.

If the light comes on while driving, all the above systems will not work. In such a case, the brakes will operate when applied (no electronic assistance will be available), and it will be possible to continue driving the vehicle.

In the following cases, contact your Toyota dealer:

- The warning light does not come on after the ignition key is turned to "ON".
- The warning light remains on after the ignition key is turned to "ON".
- The warning light comes on while driving.

(m) Tire Pressure Warning Light

This light warns that the tire pressure of one or more of your tires (including the spare tire) is low. The light comes on when the ignition key is turned to the "ON" position. It goes off after a few seconds. This indicates that the tire pressure warning system is functioning properly.

If the warning light comes on while you are driving, the tire pressure of one or more of your tires (including the spare tire) is low. The light goes off after the tire inflation pressure is adjusted to the proper pressure.

If the warning light blinks, the tire pressure warning system may be malfunctioning. Contact your Toyota dealer.

For details, see "Tire pressure warning system" on page 161 in Section 1-7.

(n) "4WD" Warning Light

The light warns that when there is a problem somewhere in active torque control 4WD system.

The light will come on when the ignition key is turned to "ON", and will go off after about a few seconds.

If the warning light does not come on when the ignition key is turned to "ON", contact your Toyota dealer to service the vehicle.

If the "4WD" warning light flashes...

This indicates that the driveline temperature has become too high. Without turning off the engine, do either of the following to cool the driveline:

- Reduce vehicle speed until the light goes off.
- Stop the vehicle at a safe place and allow the engine to idle until the light goes off.

If operation of the vehicle is continued while the light is flashing, the system automatically shuts off the engine torque that is applied to the rear wheels to protect the driveline. If this happens, the light will flash faster.

When the driveline temperature falls enough, the light will go off.

If the "4WD" warning light remains on...

This indicates that the system may not work properly. Contact your Toyota dealer to service your vehicle.

(o) Electric Power Steering System Warning Light

The light comes on when the ignition key is turned to the "ON" position. If the electric power steering system warning light works properly, the light turns off after a few seconds. If the system has malfunctions, the light comes on again.

If the following conditions occur, this indicates a malfunction somewhere in the components monitored by the warning light system. Have your vehicle checked by your Toyota dealer as soon as possible.

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



If the electric power steering system warning light comes on, take your vehicle to your Toyota dealer as soon as possible. In this case, more effort is required for the steering wheel to turn than usual. Drive your vehicle while firmly gripping the steering wheel.

(p) Low Windshield Washer Fluid Level Warning Light

The light warns that the windshield washer fluid level is too low. Add washer fluid at your earliest opportunity. (For instructions, see "Adding washer fluid" on page 386 in Section 7-3.)

(q) Engine Oil Replacement Reminder Light

This light acts as a reminder to replace the engine oil.

This light will come on when the ignition key is turned to "ON" and will go off after about a few seconds.

When you drive for about 7200 km (4500 miles) after the engine oil replacement, this light illuminates for about 3 seconds and then flashes for about 12 seconds with the ignition key turned to the "ON" position. If you continue driving without replacing the engine oil, and if the distance driven exceeds 8000 km (5000 miles), the light will come on after the ignition key is turned to "ON" position. The light will remain on thereafter.

If the light is flashing, we recommend that you replace the engine oil at an early opportunity depending on the driving and road conditions. If the light comes on, replace it as soon as possible.

The system must be reset after the engine oil replacement. Reset the system by the following procedure:

1. Turn the ignition key to the "OFF" position with the trip meter A reading shown. (For details, see "Odometer and two trip meters" on page 125 in this Section.)
2. Turn the ignition key to the "ON" position while holding down the trip meter reset knob.

Hold down the knob for at least 5 seconds. The odometer indicates "000000" and the light goes off.

If the system fails to reset, the light will continue flashing.

(r) 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.

CHECKING SERVICE REMINDER INDICATORS (except the low fuel level warning light and low windshield washer fluid level warning light)

1. Apply the parking brake.
2. Open one of the doors.
The open door warning light should come on.
3. Close the door.
The open door warning light should go off.
4. Turn the ignition key to "ON", but do not start the engine.
All the service reminder indicators except the open door warning light should come on.

The following service reminder indicators go off after a few seconds:

- Engine oil replacement reminder light
- Automatic transmission fluid temperature warning light
- "ABS" warning light
- "VSC" warning light
- Tire pressure warning light
- "4WD" warning light
- Electric power steering system warning light

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- "AUTO LSD" indicator light
(two-wheel drive models)
- Slip indicator light
- Downhill assist control system indicator light
- Four-wheel drive lock indicator light
The SRS warning light goes off after about 6 seconds.

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

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