

## ***SECTION 1-6***

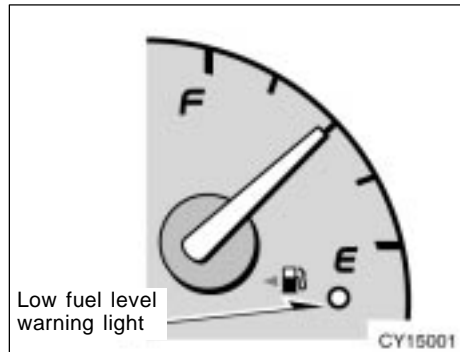
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### **OPERATION OF INSTRUMENTS AND CONTROLS**

#### **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 engine 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.

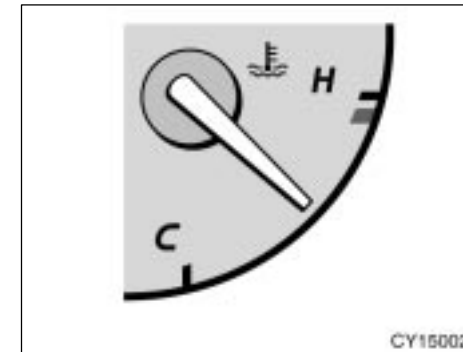
If the fuel level approaches “E” or the low fuel level warning light comes on, fill the fuel tank as soon as possible.

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 engine 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:

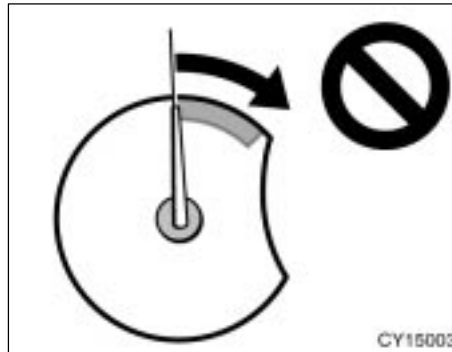
- Driving up a long hill on a hot day.
- Reducing speed or stopping after high speed driving.

- 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 394 in Section 4.*

**Tachometer**



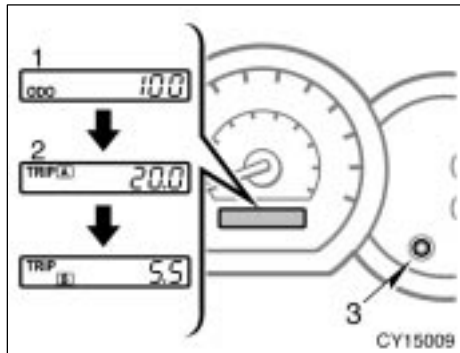
**NOTICE**

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

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.

### 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.

### Service reminder indicators and warning buzzers

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

If the indicator or buzzer comes on...		Do this.
(h)	<b>MAINT</b>	Replace engine oil.
(i)	<b>ABS</b> or 	Take vehicle to Toyota dealer. If brake system warning light is also on, stop immediately and contact Toyota dealer.
(j)	<b>VSC OFF</b>	If the light flashes, take vehicle to Toyota dealer.
(k)		Close all side doors and back door.
(l)		Take vehicle to Toyota dealer immediately.
(m)	<b>A/T OIL TEMP</b>	Stop and check.
(n)		Adjust tire inflation pressure (including spare tire). If the warning light comes on after blinking for 1 minute, contact Toyota dealer.

If the indicator or buzzer comes on...		Do this.
(o)		Add washer fluid.
(p)	Key reminder buzzer	Remove key.
(q)	Parking brake reminder buzzer	Release parking brake.

**(a) Brake System Warning Light and Buzzer**

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

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

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

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



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

- **When the hydraulic brake booster fails...**

If the hydraulic booster causes a problem resulting in poor braking performance, the warning light comes on and buzzer sounds continuously.

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

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



**If any of the following conditions occurs, immediately stop your vehicle at a safe place and contact your Toyota dealer.**

- **The light does not turn off even after the parking brake is released while the engine is running.**
- **The warning buzzer comes on together with the warning light.**

**In either case, this can indicate that 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.**

- **The brake system warning light remains on together with the "ABS" warning light.**

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

**Any of the following conditions may occur, but do not indicate the malfunction:**

- The light may stay on for about 60 seconds after the engine switch is turned to the "ON" position. It is normal if it turns off after a while.
- Depressing the brake pedal repeatedly may turn on the warning light and buzzer. It is normal if the light turns off and the buzzer stops sounding after a few seconds.
- You may hear a small sound in the engine compartment after the engine is started or the brake pedal is depressed repeatedly. This is a pump pulsating sound of the brake system, and it is not a malfunction.



**(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 engine switch is turned to "ON" or "START", the reminder light flashes and buzzer come on if the driver's seat belt is not fastened. Unless the driver fastens the belt, the light continues flashing and the buzzer sounds for about 4 to 8 seconds.

If the vehicle speed rises above 20 km/h (12 mph) with the seat belt unfastened, the buzzer will sound for about 10 seconds. Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 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.

The vehicle speed linked seat belt reminder buzzer can be disabled. For details, contact your Toyota dealer.

However, Toyota recommends that the seat belt reminder buzzer be operational to alert the driver and front passenger that the seat belts are not 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 engine switch is turned to the "ON" position, the reminder light flashes if a passenger sits in the front passenger seat and does not fasten the seat belt.

If the vehicle speed rises above 20 km/h (12 mph) with the seat belt unfastened, the buzzer will sound for 10 seconds. Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 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 to flash and buzzer to sounds.

The vehicle speed linked seat belt reminder buzzer can be disabled. For details, contact your Toyota dealer.

However, Toyota recommends that the seat belt reminder buzzer be operational to alert the driver and front passenger that the seat belts are not fastened.

**(d) Charging System Warning Light**

This warning light comes on when the engine 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 engine 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 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 engine switch 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 426 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) Engine Oil Replacement Reminder Light (for vehicles sold in U.S.A.)**

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

This light will come on when the engine switch 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 engine switch turned to the "ON" position. If you continue driving without the engine oil replacement, and if the driving range exceeds 8000 km (5000 miles), the light will come on after the engine switch is turned to the "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 condition. If the light comes on, replace it as soon as possible.

You need to reset the light after the engine oil replacement. Reset the light by following the procedure below:

1. Turn the engine switch to the "ACC" or "LOCK" position with the odometer reading shown. (For details, see "Odometer and two trip meters" on page 148 in this Section.)
2. Turn the engine switch to the "ON" position while holding down the trip meter reset button.

Hold down the button until the light goes off. Before the light goes off, it illuminates for 3 seconds, flashes for 2 seconds and illuminates for 1 second.

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

### **(i) "ABS" Warning Light**

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

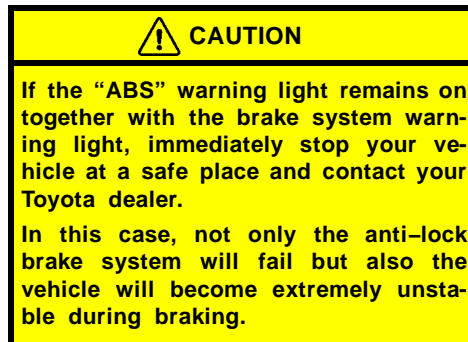
- Anti-lock brake system
- Brake assist system
- Traction control system (two-wheel drive models)
- Active traction control system (four-wheel drive models)
- “AUTO LSD” system (two-wheel drive models)
- Vehicle stability control system
- Downhill assist control system (four-wheel drive models)
- Hill-start 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 will 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 system. Contact your Toyota dealer as soon as possible to service the vehicle.**

- The light does not come on when the engine 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.



**Either of the following conditions may occur, but do not indicate a malfunction:**

- The light may stay on for about 60 seconds after the engine switch is turned to the “ON” position. It is normal if it turns off after a while.
- Depressing the brake pedal repeatedly may turn on the light. It is normal if it turns off after a few seconds.

#### **(j) “VSC OFF” Warning Light**

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

- Vehicle stability control system
- Traction control system (two-wheel drive models)
- Active traction control system (four-wheel drive models)
- “AUTO LSD” system (two-wheel drive models)
- Downhill assist control system (four-wheel drive models)
- Hill-start assist control system

The light will come on when the engine switch turned to “ON”, and will go off after a few seconds.

It is not a malfunction that the warning light may stay on for 60 seconds after the engine switch is turned to the "ON" position.

Depressing the brake pedal repeatedly may turn on the lights. It is normal if they go out after a few seconds.

If the light flashes while driving, the above mentioned systems do not work. However, as conventional braking operates when applied, there is no problem to continue your driving.

In the following cases, contact your Toyota dealer:

- The warning light does not come on after the engine switch is turned to "ON".
- The warning light remains on after the engine switch is turned to "ON".
- The warning light flashes while driving.

When the brake fluid level is too low, the above mentioned systems will not operate and the warning light comes on.

#### (k) Open Door Warning Light

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

#### (l) SRS Warning Light

**This indicator comes on when the engine 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 sensors, curtain shield airbag sensors, driver's seat position sensor, driver's seat belt buckle switch, front passenger occupant classification system and indicator light, front passenger's seat belt buckle switch, seat belt pretensioner assemblies, inflators, "RSCA OFF" indicator light, 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 engine switch is turned to the "ON" position or remains on for more than 6 seconds or flashes.
- The light comes on or starts flashing while driving.

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

#### (m) Automatic Transmission Fluid Temperature Warning Light (four-wheel drive models)

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 may 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.***

**(n) 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 engine switch 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, stop your vehicle in a safe place as soon as possible and check that the inflation pressure of all tires (including the spare tire) is as specified on the tire and loading information label. (See "Checking tire inflation pressure" on page 441 in Section 7-2.) The light should go off a few minutes after the tire pressure is adjusted.

If the warning light comes on after blinking for 1 minute, the tire pressure warning system may be malfunctioning. Contact your Toyota dealer.

For details, see "Tire pressure warning system" on page 196 in Section 1-7.

**(o) Low Windshield Washer Fluid Level Warning Light (for vehicles sold in Canada)**

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 453 in Section 7-3.)

**(p) Key Reminder Buzzer**

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

**(q) Parking Brake Reminder Buzzer**

The buzzer acts once when the parking brake is not completely released at the vehicle speed of 5 km/h (3 mph) or more. Stop the vehicle and release the parking brake fully.

**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 side doors or back door.  
The open door warning light should come on.
3. Close the door.  
The open door warning light should go off.
4. Turn the engine switch 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
- "ABS" warning light
- Tire pressure warning light
- "RSCA OFF" indicator light
- "AUTO LSD" indicator light
- "VSC OFF" indicator/warning light
- Slip indicator light
- Height control indicator lights

- Downhill assist control system indicator light (four-wheel drive models)
- Height control "OFF" indicator light

The SRS warning light goes off after about 6 seconds.

There may be the case that the "ABS" warning light (brake assist system warning light), "AUTO LSD" indicator light, "VSC OFF" indicator/warning light or slip indicator light stay on for about 60 seconds after the engine switch is turned to the "ON" position. It is normal if they go out after a while.

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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