



SECTION 1-6

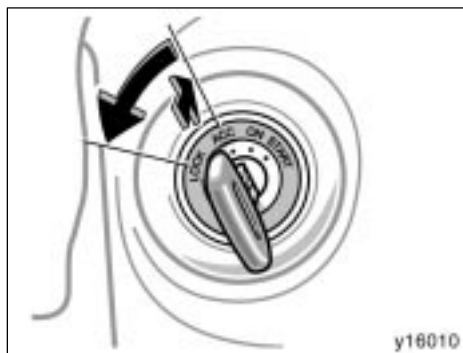
OPERATION OF INSTRUMENTS AND CONTROLS

Ignition switch, Transmission and Parking brake

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Ignition switch with steering lock



“START”—Starter motor on. The key will return to the “ON” position when released.

For starting tips, see Section 3.

“ON”—Engine on and all accessories on.

This is the normal driving position.

“ACC”—Accessories such as the radio operate, but the engine is off.

If you leave the key in the “ACC” or “LOCK” position and open the driver’s door, a buzzer will remind you to remove the key.

“LOCK”—Engine is off and the steering wheel is locked. The key can be removed only at this position.

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You must push in the key to turn the key from “ACC” to the “LOCK” position. The selector lever must be put in the “P” position before pushing the key.

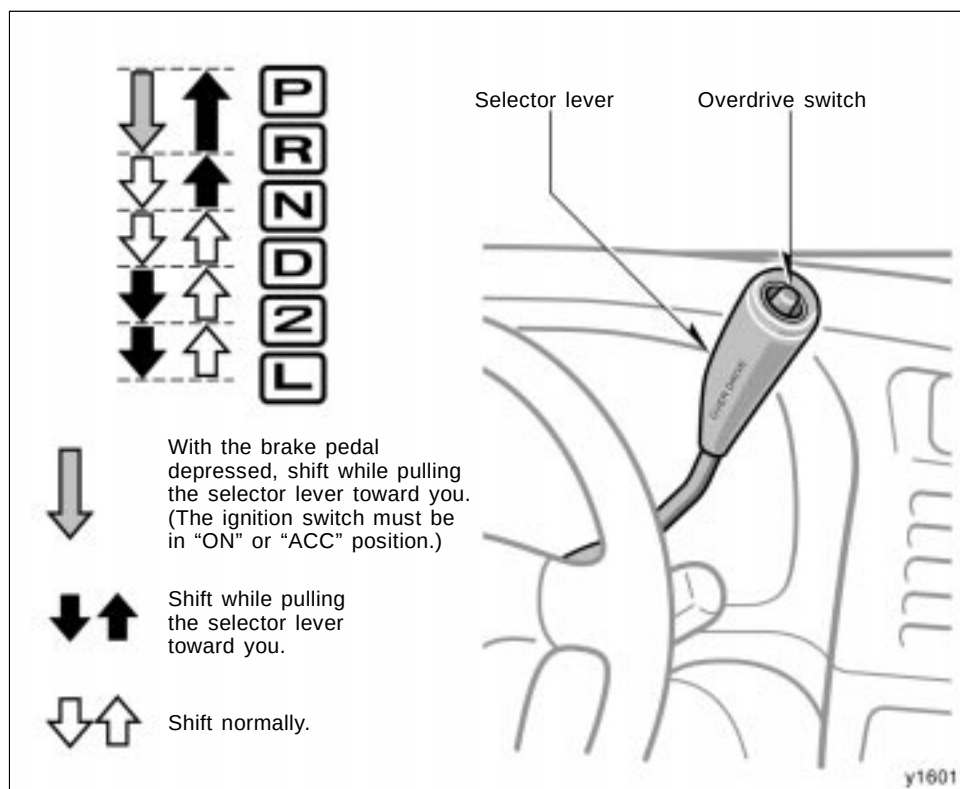
Vehicles with engine immobiliser system—Once you remove the key, the engine immobiliser system is automatically set. (See “Engine immobiliser system” in Section 1–2.)

When starting the engine, the key may seem stuck at the “LOCK” position. To free it, first be sure the key is pushed all the way in, and then rock the steering wheel slightly while turning the key gently.

NOTICE

Do not leave the key in the “ON” position if the engine is not running. The battery will discharge and the ignition could be damaged.

Automatic transmission



Your automatic transmission has a shift lock system to minimize the possibility of incorrect operation. This means you can only shift out of "P" position when the brake pedal is depressed (with the ignition switch in "ON" or "ACC" position and the selector lever pulled toward you).

(a) Selector lever

The shift position is displayed on the instrument cluster.

P: Parking, engine starting and key removal

R: Reverse

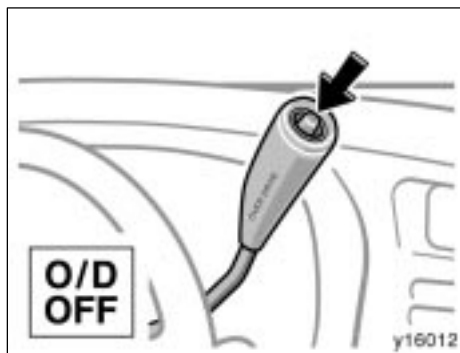
N: Neutral

D: Normal driving (with overdrive on)

2: Stronger engine braking

L: Maximum engine braking

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(b) Overdrive switch

You can select either third gear (with overdrive off) or fourth gear (with overdrive on) by pushing this switch.

To turn the overdrive off, push the switch. The "O/D OFF" indicator light should come on. To turn the overdrive on again, push the switch again. The "O/D OFF" indicator light should go off.

Always drive your vehicle with the overdrive on for better fuel economy and quieter driving.

If the engine is turned off when the overdrive is off and restarted, the overdrive will automatically be on.

Vehicles with cruise control—When the cruise control is being used, even if you downshift the transmission by pushing and releasing the overdrive switch, engine braking will not be enabled because the cruise control is not cancelled.

For ways to decrease the vehicle speed, see "Cruise control" in this section.

(c) Normal driving

1. Start the engine as instructed in "How to start the engine" in Section 3. The transmission must be in "P" or "N".
2. With your foot holding down the brake pedal, shift the selector lever to "D".

When the lever is in the "D" position, the automatic transmission system will select the most suitable gear for running conditions such as normal cruising, hill climbing, hard towing, etc.

Always turn the overdrive on for better fuel economy and quieter driving. If the engine coolant temperature is low, the transmission will not shift into overdrive gear even with the overdrive on.



CAUTION

Never put your foot on the accelerator pedal while shifting.

3. Release the parking brake and brake pedal. Depress the accelerator pedal slowly for smooth starting.

(d) Using engine braking

To use engine braking, you can downshift the transmission as follows:

- Push the overdrive switch. The "O/D OFF" indicator light will come on and the transmission will downshift to third gear.
- Shift into the "2" position. The transmission will downshift to second gear when the vehicle speed drops down to or lower than 112 km/h (69 mph), and stronger engine braking will be enabled.
- Shift into the "L" position. The transmission will downshift to first gear when the vehicle speed drops down to or lower than 58 km/h (36 mph), and maximum engine braking will be enabled.

Vehicles with cruise control—When the cruise control is being used, even if you downshift the transmission by pushing and releasing the overdrive switch, engine braking is not enabled because the cruise control is not cancelled.

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For ways to decrease the vehicle speed, see "Cruise control" in this section.



CAUTION

Be careful when downshifting on a slippery surface. Abrupt shifting could cause the vehicle to spin or skid.

(e) Using "2" and "L" positions

The "2" and "L" positions are used for strong engine braking as described previously.

With the selector lever in "2" or "L", you can start the vehicle in motion as with the lever in "D".

With the selector lever in "2", the vehicle will start in first gear and automatically shift to second gear.

With the selector lever in "L", the transmission is engaged in first gear.

NOTICE

◆ **Be careful not to over-rev the engine. Watch the tachometer to keep engine rpm from going into the red zone. The approximate maximum allowable speed for each position is given below for your reference:**

"2" 120 km/h (74 mph)

"L" 64 km/h (40 mph)

◆ **Do not continue hill climbing or hard towing for a long time in the "2" or "L" position. This may cause severe automatic transmission damage from overheating. To prevent such damage, "D" position should be used in hill climbing or hard towing.**

(f) Backing up

1. Bring the vehicle to a complete stop.
2. With the brake pedal held down with your foot, shift the selector lever to the "R" position.

NOTICE

Never shift into reverse while the vehicle is moving.

(g) Parking

1. Bring the vehicle to a complete stop.
2. With the brake pedal pressed down, fully depress the parking brake pedal to apply the parking brake securely.
3. With the brake pedal pressed down, shift the selector lever to the "P" position.



CAUTION

Never attempt to move the selector lever into "P" position under any circumstances while the vehicle is moving. Serious mechanical damage and loss of vehicle control may result.

(h) Good driving practice

- If the transmission repeatedly shifts up and down between third gear and overdrive when climbing a gentle slope, the overdrive should be turned off. Be sure to turn the switch on immediately afterward.
- When towing a trailer, in order to maintain engine braking efficiency, do not use overdrive.

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CAUTION

Always keep your foot on the brake pedal while stopped with the engine running. This prevents the vehicle from creeping.

NOTICE

Do not hold the vehicle on an up-grade with the accelerator pedal. It can cause the transmission to over-heat. Always use the brake pedal or parking brake.

(i) Rocking your vehicle if stuck



CAUTION

If your vehicle becomes stuck in snow, mud, sand, etc., then you may attempt to rock the vehicle free by moving it forward and backward. Do not attempt this procedure if people or objects are anywhere near the vehicle. During the rocking operation the vehicle may suddenly move forward or backward as it becomes unstuck, causing injury or damage to nearby people or objects.

NOTICE

If you rock your vehicle, observe the following precautions to prevent damage to the transmission and other parts.

- ◆ *Do not depress the accelerator pedal while shifting the selector lever or before the transmission is completely shifted to forward or reverse gear.*
- ◆ *Do not race the engine and avoid spinning the wheels.*
- ◆ *If your vehicle remains stuck after rocking the vehicle several times, consider other ways such as towing.*

Traction control system



Slip indicator light



“VSC” warning light



“TRAC OFF” indicator/warning light

AUTOMATIC TRACTION CONTROL SYSTEM

The traction control system automatically helps control the spinning of the front wheels which may occur when accelerating on slippery road surfaces, thus assisting driver to control the driving power of the front wheels.

When you turn the ignition switch on, the traction control system always turns on automatically, and the slip indicator light and “TRAC OFF” indicator/warning light will come on. The indicator lights will go off after a few seconds.

Leave the system on during ordinary driving so that it can operate when needed. When traction control is applied, the slip indicator light blinks.

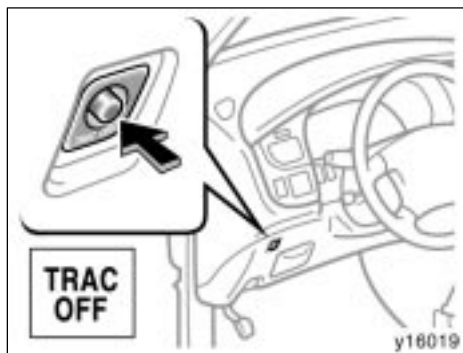
While the “TRAC OFF” indicator/warning light and “VSC” warning light come on, the traction control system cannot be operated.

You may hear a sound in the engine compartment for a few seconds when the engine is started or just after the vehicle is started. This means that the traction control system is in the self-check mode, and does not indicate malfunction.

When the traction control system is operating, you may feel vibration or noise of your vehicle, caused by operation of the brakes. This indicates the system is functioning properly.

When getting the vehicle out of mud or new snow, etc. the traction control system will help operate to prevent the wheels from spinning.

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MANUAL OPERATION

You can turn off the traction control system by pushing the “TRAC OFF” switch. The “TRAC OFF” indicator/warning light will come on. Pushing the “TRAC OFF” switch a second time turns on the traction control system and the “TRAC OFF” indicator/warning light will go off.



“TRAC OFF” indicator/warning light



“VSC” warning light

TRACTION CONTROL SYSTEM FAILURE WARNING

These lights warn that when there is a problem somewhere in the traction control system.

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

If the “VSC” warning light and “TRAC OFF” indicator light come on, the traction control system does not work. However, as conventional braking operates when applied, there is no problem to continue your driving.

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

- The “VSC” warning light and/or “TRAC OFF” indicator light do/does not come on after the ignition is turned to on.
- The “VSC” warning light and “TRAC OFF” indicator light are left on after the ignition is turned to on.
- The “VSC” warning light and “TRAC OFF” indicator light comes on while driving without pushing “TRAC OFF” switch.


CAUTION

Under certain slippery road conditions, full traction of the vehicle and power to the front wheels may not be maintained, even though the traction control system is in operation. Do not drive the vehicle at any speed or conduct any during maneuver which will cause the vehicle to lose traction. In situations where the road surface is covered with ice or snow, your vehicle should be fitted with snow tires or tire chains. Always drive at an appropriate and cautious speed for the road conditions present.

Vehicle skid control system


y16017

Slip indicator light



y16018

“TRAC OFF” indicator/warning light



y16015

“VSC” warning light

The vehicle skid control system helps provide comprehensive control of the systems such as an anti-lock brake system, brake assist system, traction control system, engine control system, etc. This system automatically controls the output of the brakes or engine to help prevent the vehicle from skidding when cornering on a slippery road surface or abrupt steering wheel operation occurs.

If the vehicles is going to skid during driving, the slip indicator light flashes and an alarm sounds intermittently.

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The vehicle skid control system activates when the vehicle speed is about more than 15 km/h (9 mph).

While the "VSC" warning light and "TRAC OFF" indicator/warning light come on, the vehicle skid control system cannot be operated.

You may hear a sound in the engine compartment for a few seconds when the engine is started or just after the vehicle is started. This means that the vehicle skid control is in the self-check mode and does not indicate a malfunction.

CAUTION

- **Do not rely excessively on the vehicle skid control system. Even if the vehicle skid control system is operating, it is not that your vehicle is absolutely safe. Reckless driving will result in an unexpected accident. Always keep safety driving in mind. If the slip indicator light flashes and/or an alarm sounds, special care should be taken while driving.**
- **Only use tires of specified size. The size, manufacturer, brand and tread pattern for all 4 tires should be the same. If you use the tires other than specified, or different type or size, the vehicle skid control system may not function correctly. When replacing the tires or wheels, contact your Toyota dealer.**

VEHICLE SKID CONTROL SYSTEM FAILURE WARNING

These lights warn that when there is a problem somewhere in the vehicle skid control system.

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

If the "VSC" warning light and "TRAC OFF" indicator/warning light come on, the vehicle skid control system does not work. However, as conventional braking operates when applied, there is no problem to continue your driving.

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

- The "VSC" warning light and "TRAC OFF" indicator/warning light do not come on after the ignition is turned to on.
- The "VSC" warning light and/or "TRAC OFF" indicator/warning light are left on after the ignition is turned to on.

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- The “VSC” warning light and “TRAC OFF” indicator/warning light come on while driving, without pushing the “TRAC OFF” switch.

Tire pressure warning system

The tire pressure warning system is designed to provide warning when tire pressure of any one of the tires is critically reduced while the vehicle is moving. The low tire pressure warning light comes on to inform you that such low tire pressure may hamper driving.

This system is not designed to operate when the vehicle is stopped. Therefore, check the tire pressures regularly. The recommended cold tire pressures, tire size and the vehicle capacity weight are on the tire pressure label. (For instruction, see “Checking tire pressure” in Section 7–2.)

Installed tires should be of the specified size. They should be of the same size and construction. If tires other than of the specified size are used, or if tires of different sizes or constructions are mixed, the tire pressure warning system will not function properly.

**LOW TIRE PRESSURE WARNING LIGHT**

This 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.

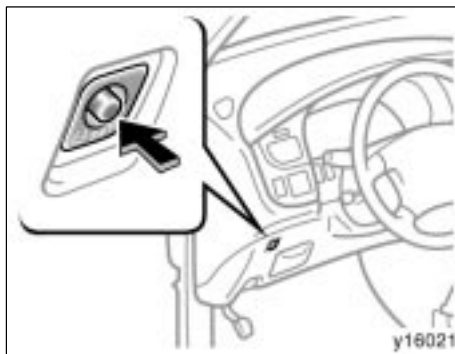
If the low tire pressure warning light comes on while driving, adjust tire pressure to the specified level. (See “Tires” in Section 8.)

After the tire pressure is adjusted, the light should go off after driving at about more than 30 km/h (19 mph) for some time. If the light still remains, have the tire pressure warning system checked at your Toyota dealer.

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The tire pressure warning system does not function properly under certain circumstances. In the following cases, the low tire pressure warning light may not come on even if the tire pressure is low, or it may come on when the tire pressure is actually normal.

- The tread wear is uneven among the installed tires.
- A compact spare tire, snow tires, or tire chains are used.
- The tire pressure is excessively higher than specified, or tire pressure is suddenly reduced due to bursts or other causes.
- The vehicle is driven on a slippery road surface such as rough road and frozen road.
- The vehicle speed is less than 30 km/h (19 mph) or more than 100 km/h (62 mph), and the driving duration is less than 5 minutes.



TIRE PRESSURE WARNING SYSTEM RESET SWITCH

Pushing this reset button after replacing or rotating tires or wheels memories the present tire condition as a standard.

After replacing or rotating the tires or wheels, perform the initial adjustment as follows.

1. Park the vehicle at a safe place and apply the parking brake. Stop the engine.
2. Adjust pressures of all the installed tires to the specified level. (See "Tires" in Section 8.)
3. Turn the ignition key to "ON".

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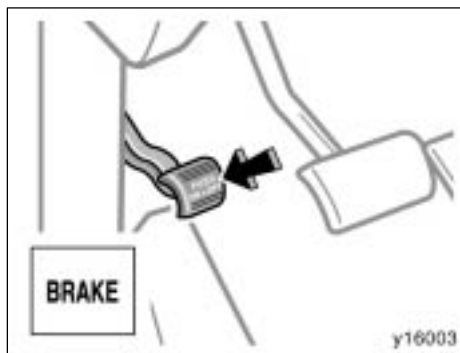
4. With the vehicle stopped, push the reset switch on the left lower instrument panel and hold it until the low tire pressure warning light blinks for three times.
5. The initial adjustment is completed after driving at the speeds of 30 km/h (19 mph) or over for about total 8 hours, when the tire pressure warning system detects the normal tire pressures.

Do not push the reset switch without adjusting the tire pressure to the specified level. Otherwise, the low tire pressure warning light may not come on even if the tire pressure is low, or it may come on when the tire pressure is actually normal.

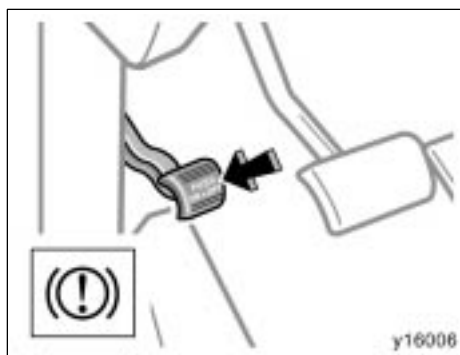
If you push the reset switch while the vehicle is moving, the initial adjustment is not performed.

If the low tire pressure warning light does not blink when you push and hold the reset switch, have the low pressure warning system checked at your Toyota dealer.

Parking brake



Type A



Type B

When parking, firmly apply the parking brake to avoid inadvertent creeping.

To set: Fully depress the parking brake pedal. For better holding power, first depress the brake pedal and hold it while setting the parking brake.

To release: Depress the parking brake pedal once again.

To remind you that the parking brake is set, the parking brake reminder light in the instrument panel remains on until you release the parking brake.



CAUTION

Before driving, be sure the parking brake is fully released and the parking brake reminder light is off.

Cruise control

The cruise control allows you to cruise the vehicle at a desired speed over 40 km/h (25 mph) even with your foot off the accelerator pedal.

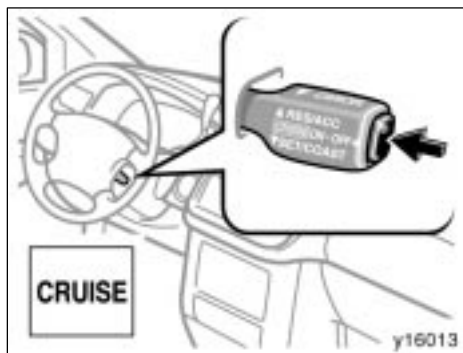
Your cruising speed can be maintained up or down grades within the limits of engine performance, although a slight speed change may occur when driving up or down the grades. On steeper hills, a greater speed change will occur so it is better to drive without the cruise control.



CAUTION

- To help maintain maximum control of your vehicle, do not use the cruise control when driving in heavy or varying traffic, or on slippery (rainy, icy or snow-covered) or winding roads.
- Avoid vehicle speed increases when driving downhill. If the vehicle speed is too fast in relation to the cruise control set speed, cancel the cruise control then downshift the transmission to use engine braking to slow down.

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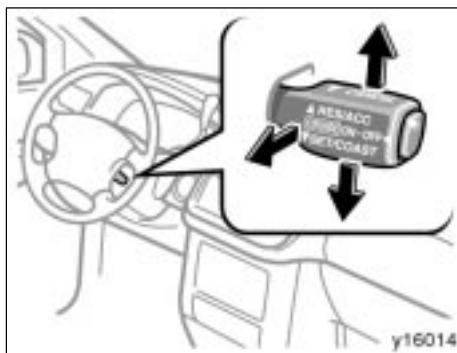
TURNING ON THE SYSTEM

To operate the cruise control, press the “CRUISE ON–OFF” button. This turns the system on. The indicator light in the instrument panel shows that you can now set the vehicle at a desired cruising speed. Another press will turn the system completely off.



CAUTION

To avoid accidental cruise control engagement, keep the “CRUISE ON–OFF” switch off when not using the cruise control.



SETTING AT A DESIRED SPEED

The transmission must be in “D” before you set the cruise control speed.

Bring your vehicle to the desired speed, push the lever down in the “SET/COAST” direction and release it. This sets the vehicle at that speed. If the speed is not satisfactory, tap the lever up for a faster speed, or tap it down for a slower speed. Each tap changes the set speed by 1.6 km/h (1.0 mph). You can now take your foot off the accelerator pedal.

If you need acceleration—for example, when passing—depress the accelerator pedal enough for the vehicle to exceed the set speed. When you release it, the vehicle will return to the speed set prior to the acceleration.

CANCELLING THE PRESET SPEED

You can cancel the preset speed by:

- Pulling the lever in the “CANCEL” direction and releasing it.
- Depressing the brake pedal.

If the vehicle speed falls below about 40 km/h (25 mph), the preset speed will automatically cancel out.

If the vehicle speed drops 16 km/h (10 mph) below the preset speed, the preset speed will also automatically cancel out.

If the preset speed automatically cancels out other than for the above cases, have your vehicle checked by your Toyota dealer at the earliest opportunity.

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RESETTING TO A FASTER SPEED

Push the lever up in the “RES/ACC” direction and hold it. Release the lever when the desired speed is attained. While the lever is held up, the vehicle will gradually gain speed.

However, a faster way to reset is to accelerate the vehicle and then push the lever down in the “SET/COAST” direction.

RESETTING TO A SLOWER SPEED

Push the lever down in the “SET/COAST” direction and hold it. Release the lever when the desired speed is attained. While the lever is held down, the vehicle speed will gradually decrease.

However, a faster way to reset is to depress the brake pedal and then push the lever down in the “SET/COAST” direction.

Even if you turn off the overdrive switch, with the cruise control on, engine braking will not be applied because the cruise control is not cancelled. To decrease the vehicle speed, reset to a slower speed with the cruise control lever or depress the brake pedal. If you use the brake pedal, cruise control is cancelled.

RESUMING THE PRESET SPEED

If the preset speed is cancelled by pulling the control lever or by depressing the brake pedal or clutch pedal, pushing the lever up in the “RES/ACC” direction will restore the speed set prior to cancellation.

However, once the vehicle speed falls below about 40 km/h (25 mph), the preset speed will not be resumed.

CRUISE CONTROL FAILURE WARNING

If the “CRUISE” indicator light in the instrument cluster flashes when using the cruise control, press the “CRUISE ON–OFF” button to turn the system off and then press it again to turn it on.

If any of the following conditions then occurs, there is some trouble in the cruise control system.

- The indicator light does not come on.
- The indicator light flashes again.
- The indicator light goes out after it comes on.

If this is the case, contact your Toyota dealer and have your vehicle inspected.

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