

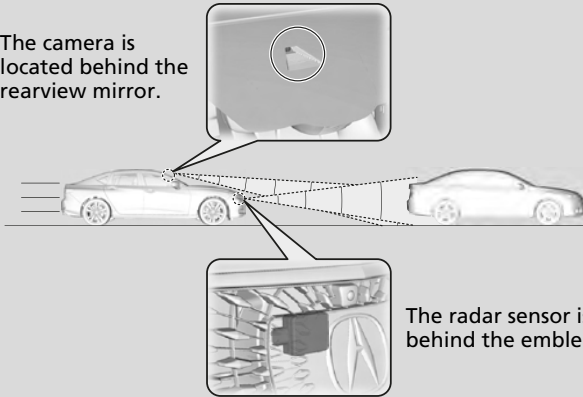
Adaptive Cruise Control (ACC) with Low Speed Follow

Helps maintain a constant vehicle speed and a set following-interval behind a vehicle detected ahead of yours and, if the detected vehicle comes to a stop, can decelerate and stop your vehicle, without you having to keep your foot on the brake or the accelerator.

When ACC with Low Speed Follow slows your vehicle by applying the brakes, your vehicle's brake lights will illuminate.

When to use

The camera is located behind the rearview mirror.



- Vehicle speed for ACC with Low Speed Follow: **A vehicle is detected ahead within ACC with Low Speed Follow range** – ACC with Low Speed Follow operates at speeds up to 90 mph (145 km/h).
- **No vehicle is detected within ACC with Low Speed Follow range** – ACC with Low Speed Follow operates at the speed of about 25 mph (40 km/h) or above.
- Gear position for ACC with Low Speed Follow: In **D** or **S**.

Adaptive Cruise Control (ACC) with Low Speed Follow

⚠ WARNING

Improper use of ACC with Low Speed Follow can lead to a crash.

Use ACC with Low Speed Follow only when driving on expressways or freeways and in good road and weather conditions.

⚠ WARNING

ACC with Low Speed Follow has limited braking capability and may not stop your vehicle in time to avoid a collision with a vehicle that quickly stops in front of you.

Always be prepared to apply the brake pedal if the conditions require.

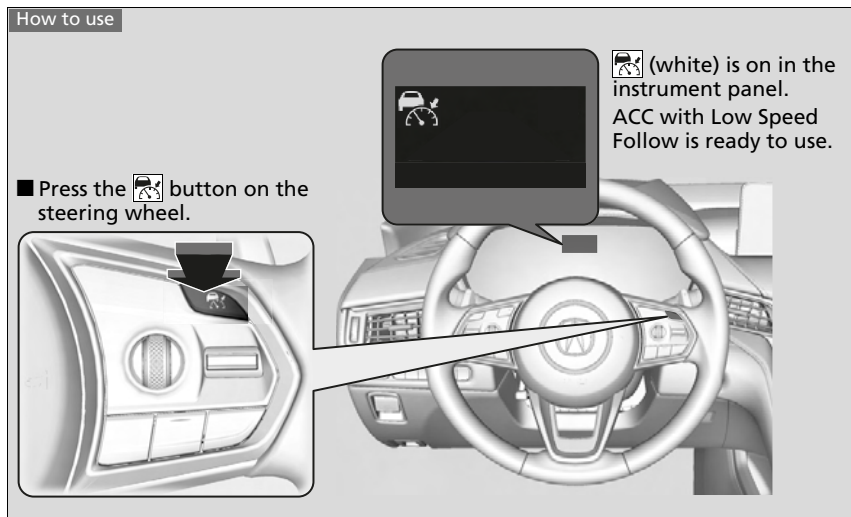
Important Reminder

As with any system, there are limits to ACC with Low Speed Follow. Use the brake pedal whenever necessary, and always keep a safe interval between your vehicle and other vehicles.

For directions on the proper handling of the radar sensor, refer to the following page.

➤ **Radar Sensor** P. 484

■ How to activate the system



▶ Adaptive Cruise Control (ACC) with Low Speed Follow

You can read about handling information for the camera equipped with this system.


▶ **Front Sensor Camera** P. 482

The radar sensor for ACC with Low Speed Follow is shared with the Collision Mitigation Braking System™ (CMBS™).

▶ **Collision Mitigation Braking System™ (CMBS™)** P. 420

ACC with Low Speed Follow may not work properly under certain conditions.

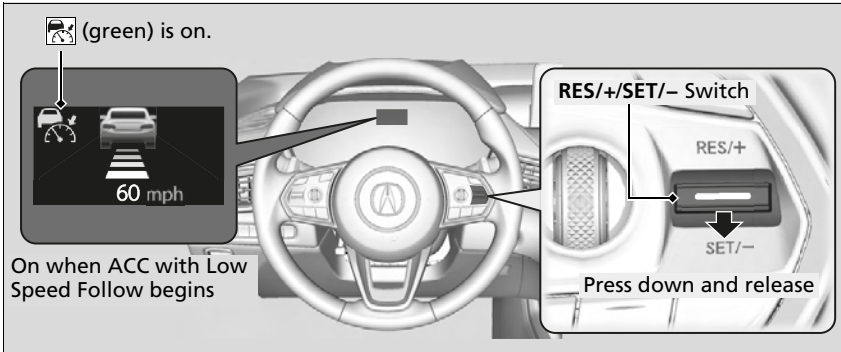
▶ **ACC with Low Speed Follow Conditions and Limitations** P. 438

When not using ACC with Low Speed Follow: Turn off adaptive cruise by pressing the  button.

Do not use ACC with Low Speed Follow under the following conditions:

- Driving in continuous stop and go traffic.
- On roads with sharp turns.
- On roads with steep downhill sections, as the set vehicle speed can be exceeded by coasting. In such cases, ACC with Low Speed Follow will not apply the brakes to maintain the set speed.
- On roads with toll collection facilities or other objects between lanes of traffic, or in parking areas, or facilities with drive through access.

■ To Set the Vehicle Speed



When driving at about 25 mph (40 km/h) or above: Take your foot off the pedal and press down the **RES/+ / SET/-** switch when you reach the desired speed. The moment you release the switch, the set speed is fixed, and ACC with Low Speed Follow begins.

When driving slower than about 25 mph (40 km/h): If the vehicle is moving and the brake pedal is not depressed, pressing the switch fixes the set speed to about 25 mph (40 km/h) regardless of current vehicle speed. If your vehicle is stationary, you can set the vehicle speed even with the brake pedal depressed.

▣ To Set the Vehicle Speed

You can switch the displayed set speed measurements on the multi-information display or audio/information screen between mph and km/h.

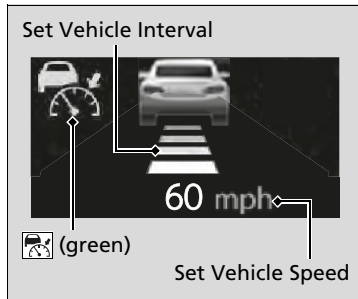
▶ **Speed/Distance Units** P. 104

▶ **Customized Features** P. 302

The vehicle stability assist™ (VSA®) system, vehicle stability assist™ (VSA®) OFF, adaptive cruise control (ACC) with low speed follow, and safety support indicators may come on in amber along with a message in the multi-information display when you set the power mode to ON after reconnecting a battery.

Drive a short distance at more than 12 mph (20 km/h).

Each indicator should go off. If any do not, have your vehicle checked by a dealer.



When ACC with Low Speed Follow starts operating, the vehicle icon, interval bars and set speed appear on the multi-information display.

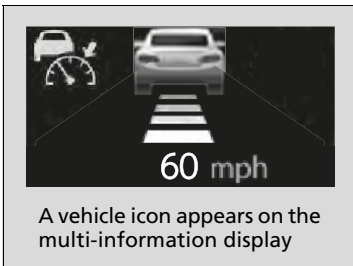
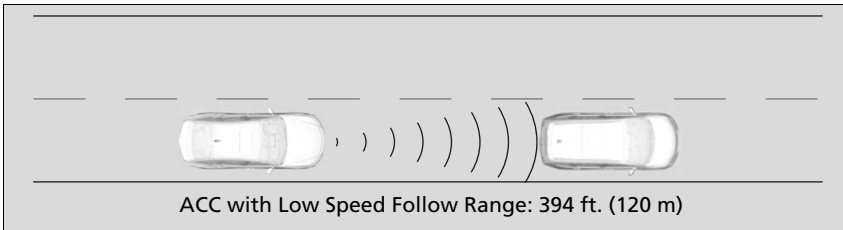
When you use ACC with Low Speed Follow, Straight Driving Assist (a feature of the Electric Power Steering system) is activated. By enabling the steering system to automatically compensate for natural steering pull, Straight Driving Assist makes it easier for you to keep your vehicle in a straight line.

■ When in Operation

■ There is a vehicle ahead

ACC with Low Speed Follow monitors if a vehicle ahead of you enters the ACC with Low Speed Follow range. If a vehicle is detected doing so, the ACC with Low Speed Follow system maintains or decelerates your vehicle's set speed in order to keep the vehicle's set following-interval from the vehicle ahead.

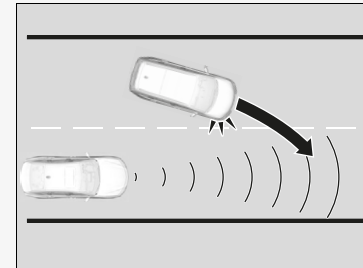
📏 **To Set or Change Following-interval** P. 442



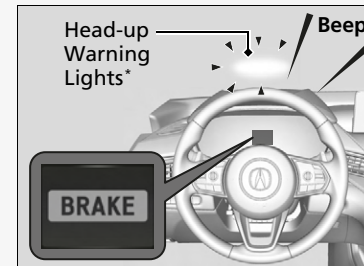
When a vehicle whose speed is slower than your set speed is detected in front of you, your vehicle starts to slow down.

📏 When in Operation

If the vehicle detected ahead of you slows down abruptly, or if another vehicle is detected cutting in front of you, a beeper sounds and a message appears on the multi-information display, and the head-up warning lights* come on.

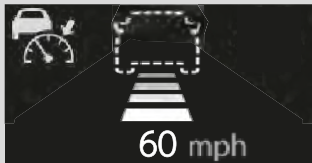


Depress the brake pedal, and keep an appropriate interval from the vehicle ahead.



* Not available on all models

■ There is no vehicle ahead



A vehicle icon with dotted-line contour appears on the multi-information display

Your vehicle maintains the set speed without having to keep your foot on the brake or accelerator pedal.

If there previously was a vehicle detected ahead that kept your vehicle from traveling at the set speed, ACC with Low Speed Follow accelerates your vehicle to the set speed, and then maintains it.

■ When you depress the accelerator pedal

You can temporarily increase the vehicle speed. In this case, there is no audible or visual alert even if a vehicle is in the ACC with Low Speed Follow range.

ACC with Low Speed Follow stays on unless you cancel it. Once you release the accelerator pedal, the system resumes the set speed.

There are times when the vehicle speed will decrease when the accelerator pedal is lightly applied.

🔗 When in Operation

Even if the interval between your vehicle and the vehicle detected ahead is short, ACC with Low Speed Follow may start accelerating your vehicle under the following circumstances:

- The vehicle ahead of you is going at almost the same speed as, or faster than, your vehicle.
- A vehicle that cuts in front of you is going faster than your vehicle, gradually increasing the interval between the vehicles.

You can also set the system to beep when a vehicle in front of you comes in and goes out of the ACC with Low Speed Follow detecting range. Change the **ACC Forward Vehicle Detect Beep** setting.

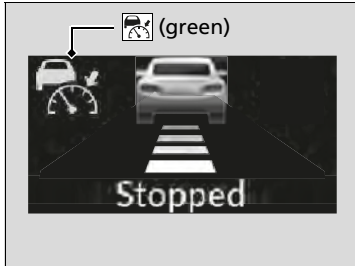
🔗 **Customized Features** P. 302

Limitations

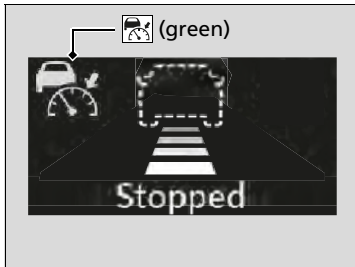
You may need to use the brake to maintain a safe interval when using ACC with Low Speed Follow. Additionally, ACC with Low Speed Follow may not work properly under certain conditions.

🔗 **ACC with Low Speed Follow Conditions and Limitations** P. 438

■ **A vehicle detected ahead is within ACC with Low Speed Follow range and slows to a stop**



Your vehicle also stops, automatically. The **Stopped** message appears on the multi-information display. When the vehicle ahead of you starts again, the vehicle icon on the multi-information display blinks. If you press the **RES/+ / SET / -** switch up or down, or depress the accelerator pedal, ACC with Low Speed Follow operates again within the prior set speed.



If no vehicle is ahead of you before you resume driving, depressing the accelerator pedal will resume operation of ACC with Low Speed Follow within the prior set speed.

▶▶ A vehicle detected ahead is within ACC with Low Speed Follow range and slows to a stop

⚠ WARNING

Exiting a vehicle that has been stopped while the ACC with Low Speed Follow system is operating can result in the vehicle moving without operator control.

A vehicle that moves without operator control can cause a crash, resulting in serious injury or death.

Never exit a vehicle when the vehicle is stopped by ACC with Low Speed Follow.

■ ACC with Low Speed Follow Conditions and Limitations

The system may automatically shut off under certain conditions. Some examples of these conditions are listed below. Other conditions may reduce some of the ACC with Low Speed Follow functions.

➤ **Front Sensor Camera** P. 482

➤ **Radar Sensor** P. 484

■ Environmental conditions

Driving in bad weather (rain, fog, snow, etc.).

■ Roadway conditions


Driving on a snowy or wet roadway (obscured lane marking, vehicle tracks, reflected lights, road spray, high contrast).

■ Vehicle conditions

- The outside of the windshield is blocked by dirt, mud, leaves, wet snow, etc.
- An abnormal tire or wheel condition (incorrect sizes, varied sizes or construction, improperly inflated, compact spare tire*, etc.).
- The camera temperature gets too high.
- The parking brake is applied.
- The front grille is dirty.
- The vehicle is tilted due to a heavy load or suspension modifications.
- Tire chains are installed.

* Not available on all models

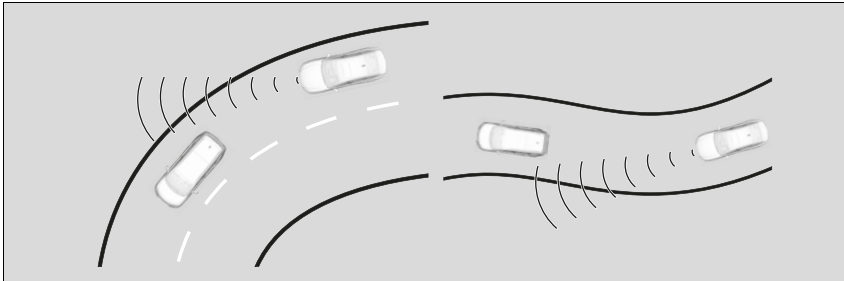
⌘ ACC with Low Speed Follow Conditions and Limitations

If you need the radar sensor to be repaired, or removed, or the radar sensor cover is strongly impacted, turn off the system by pressing the  button and take your vehicle to a dealer.

Have your vehicle checked by a dealer if you find any unusual behavior of the system (e.g., the warning message appears too frequently).

■ Detection limitations

- A vehicle suddenly crosses in front of you.
- The interval between your vehicle and the vehicle ahead of you is too short.
- A vehicle cuts in front of you at a slow speed, and it brakes suddenly.
- You accelerate rapidly and approach the vehicle ahead of you at high speed.
- The vehicle ahead of you is a motorcycle, bicycle, mobility scooter, or other small vehicle.
- There are animals in front of your vehicle.
- You drive on a curved or winding or undulating road that makes it difficult for the sensor to properly detect a vehicle in front of you.



- The speed difference between your vehicle and a vehicle in front of you is significantly large.
- An oncoming vehicle suddenly comes in front of you.
- Your vehicle abruptly crosses over in front of an oncoming vehicle.

⌘ ACC with Low Speed Follow Conditions and Limitations

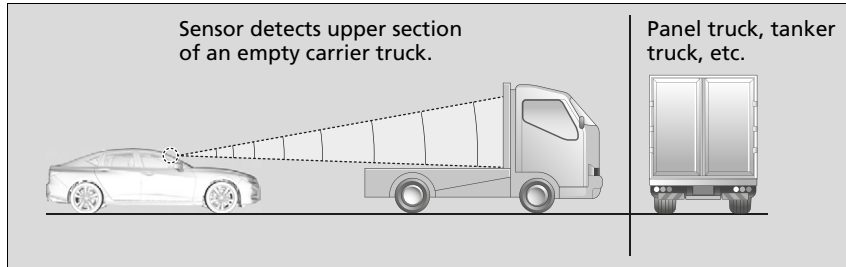
If the front of the vehicle is impacted in any of the following situations, the radar sensor may not work properly. Have your vehicle checked by a dealer:

- The vehicle mounted onto a bump, curb, chock, embankment, etc.
- You drive the vehicle where water is deep.
- Your vehicle has a frontal collision.

- Driving through a metal bridge.



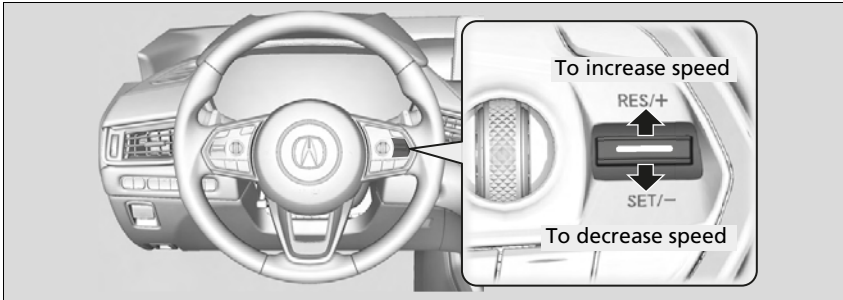
- The vehicle ahead of you brakes suddenly.
- The vehicle ahead of you has a unique shape.



- Your vehicle or the vehicle ahead of you is driving on one edge of the lane.

■ To Adjust the Vehicle Speed

Increase or decrease the vehicle speed using the **RES/+**/**SET/-** switch on the steering wheel.



- Each time you press the switch up or down, the vehicle speed is increased or decreased by about 1 mph or 1 km/h accordingly.
- If you keep the switch pressed up or down, the vehicle speed increases or decreases by about 5 mph or 5 km/h accordingly.

▣ To Adjust the Vehicle Speed

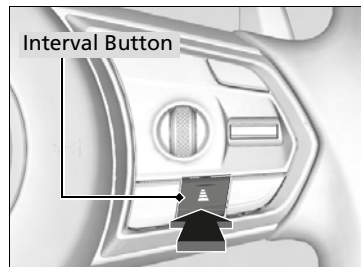
If a vehicle detected ahead is going at a speed slower than your increased set speed, ACC with Low Speed Follow may not accelerate your vehicle. This is to maintain the set interval between your vehicle and the vehicle ahead.

You can switch the displayed set speed measurements on the audio/information screen or multi-information display between mph and km/h.

- ▣ **Speed/Distance Units** P. 104
- ▣ **Customized Features** P. 302

When you depress the accelerator pedal and then push and release the **SET/-** switch, the current speed of the vehicle is set.





■ To Set or Change Following-interval



Press the interval button to change the ACC with Low Speed Follow following-interval. Each time you press the button, the following-interval (the interval behind a vehicle detected ahead of you) setting cycles through short, middle, long, and extra long following-intervals.

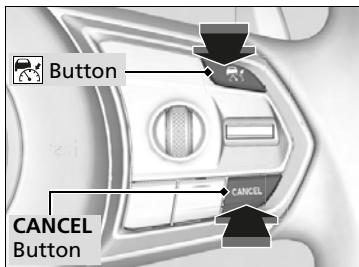
Determine the most appropriate following-interval setting based on your specific driving conditions. Be sure to adhere to any following-interval requirements set by local regulation.

The higher your vehicle's following-speed is, the longer the short, middle, long or extra long following-interval becomes. See the following examples for your reference.

Following-interval		When the Set Speed is:	
		50 mph (80 km/h)	65 mph (104 km/h)
Short		83 feet 25 meters 1.1 sec	100 feet 31 meters 1.1 sec
Middle		110 feet 33 meters 1.5 sec	137 feet 42 meters 1.5 sec
Long		154 feet 47 meters 2.1 sec	200 feet 61 meters 2.1 sec
Extra Long		204 feet 62 meters 2.8 sec	265 feet 81 meters 2.8 sec

When your vehicle stops automatically because a vehicle detected ahead of you has stopped, the interval between the two vehicles will vary based on the ACC with Low Speed Follow interval setting.

■ To Cancel



To cancel ACC with Low Speed Follow, do any of the following:

- Press the **CANCEL** button.
 - ▶ The indicator (green) on the multi-information display changes to the indicator (white).
- Press the button.
 - ▶ indicator (green) goes off.
- Depress the brake pedal while the vehicle is moving forward.
 - ▶ The indicator (green) on the multi-information display changes to the indicator (white).

▶▶ To Cancel

Resuming the prior set speed: After you have canceled ACC with Low Speed Follow, you can activate the ACC with Low Speed Follow with the prior set speed displayed on the multi-information display (in gray) by pressing the **RES/+ / SET / -** switch up even if the vehicle is stopped.

When you turn the ACC with Low Speed Follow off by pressing the **CANCEL** button or depressing the brake pedal, the prior set speed is displayed on the multi-information display in gray.

When pressing the **RES/+ / SET / -** switch, the ACC with Low Speed Follow is activated with displayed speed.

If the indicator (white) is displayed and you press the **RES/+ / SET / -** switch up, but no prior set speed (in gray) is displayed, the speed will be set to your vehicle's current speed.

■ Automatic cancellation

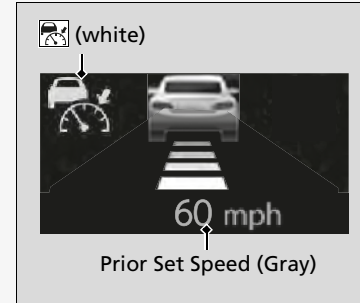
The beeper sounds and a message appears on the multi-information display when ACC with Low Speed Follow is automatically canceled. Any of these conditions may cause the ACC with Low Speed Follow to automatically cancel:



- Bad weather (rain, fog, snow, etc.)
- When the radar sensor behind the emblem gets dirty.
- The vehicle ahead of you cannot be detected.
- An abnormal tire condition is detected, or the tires are skidding.
- Driving on a mountainous road, or driving off road for extended periods.
- Abrupt steering wheel movement.
- When the ABS, VSA®, or CMBS™ is activated.
- When the ABS or VSA® system indicator comes on.
- When the vehicle is stopped on a very steep slope.
- When you manually apply the parking brake.
- When the detected vehicle within the ACC with Low Speed Follow range is too close to your vehicle.
- The camera behind the rearview mirror, or the area around the camera, including the windshield, gets dirty.
- When the Maximum Load Limit is exceeded.
- The vehicle has repeatedly applied the brakes to maintain the set speed (for example, you are descending a long slope).

The ACC with Low Speed Follow automatic cancellation can be also triggered by the following causes. In these cases, the parking brake will be automatically applied.

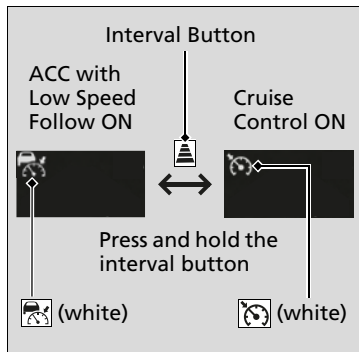
- The driver's seat belt is unfastened when the vehicle is stationary.
- The vehicle stops for more than 10 minutes.
- The engine is turned off.

⌘ To Cancel




The set speed cannot be set or resumed when ACC with Low Speed Follow has been turned off using the  button. Press the  button to activate the system, then set the desired speed.

■ To Switch ACC with Low Speed Follow to Cruise Control



Press and hold the interval button for one second. **Cruise Mode Selected** appears on the multi-information display for two seconds, and then the mode switches to Cruise.

The  comes on.

- Green: The system is on.
- White: The system is standby.


To switch back to ACC with Low Speed Follow, press and hold the interval button again for one second.

■ When to use

Desired speed in a range above roughly 25 mph (40 km/h).

■ To Set the Vehicle Speed

Take your foot off the pedal and press the **RES/+ / SET/-** switch down when you reach the desired speed.

The moment you release the **RES/+ / SET/-** switch, the set speed is fixed, and cruise control begins. The indicator  (green) comes on.

When you use cruise control, Straight Driving Assist (a feature of the Electric Power Steering system) is activated.

By enabling the steering system to automatically compensate for natural steering pull, Straight Driving Assist makes it easier for you to keep your vehicle in a straight line.

▶▶ To Switch ACC with Low Speed Follow to Cruise Control

Always be aware which mode you are in. When you are driving in Cruise mode, the system will not assist you to maintain a following-interval from a vehicle ahead of you.

You can switch the displayed set speed measurements on the audio/information screen or multi-information display between mph and km/h.

- ▶ **Speed/Distance Units** P. 104
- ▶ **Customized Features** P. 302







■ To Adjust the Vehicle Speed

Each time you press the **RES/+ / SET/-** switch up or down, the vehicle speed is increased or decreased by about 1 mph (1 km/h).

If you keep the **RES/+ / SET/-** switch pressed up or down, the vehicle speed increases or decreases until you release it. This speed is then set.

■ To Cancel

To cancel cruise control, do any of the following:

- Press the **CANCEL** button.
 - ▶ The  indicator (green) on the multi-information display changes to the  indicator (white).
- Press the  button.
 - ▶  indicator (green) goes off.
- Depress the brake pedal.
 - ▶ The  indicator (green) on the multi-information display changes to the  indicator (white).


▶▶ To Cancel

Resuming the prior set speed:

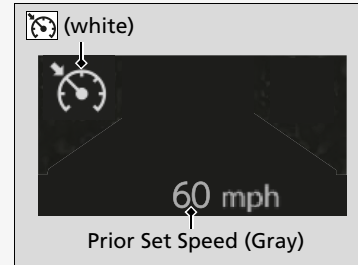
After you have canceled cruise mode, you can activate the cruise mode with the prior set speed displayed on the multi-information display (in gray) by pressing the **RES/+SET/-** switch up while driving at a speed of at least 25 mph (40 km/h) or more.

When you turn the cruise mode off by pressing the **CANCEL** button or depressing the brake pedal, the prior set speed is displayed on the multi-information display in gray.


When pressing the **RES/+SET/-** switch up, the cruise mode is activated with displayed speed.

If the  indicator (white) is displayed and you press the **RES/+SET/-** switch up, but no prior set speed (in gray) is displayed, the speed will be set to your vehicle's current speed.

▶▶ To Cancel



You cannot set or resume in the following situations:

- When vehicle speed is less than 25 mph (40 km/h)
- When the  button is turned off

At vehicle speeds of 22 mph (35 km/h) or less, cruise mode is canceled automatically.