Honda Sensing® Adaptive Cruise Control (ACC)

Adaptive Cruise Control (ACC) helps maintain a constant vehicle speed and a set following-interval behind a vehicle detected ahead of yours, without you having to keep your foot on the brake or the accelerator.

<table>
<thead>
<tr>
<th>Adaptive Cruise Control (ACC)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WARNING</strong></td>
</tr>
<tr>
<td>Improper use of ACC can lead to a crash. Use ACC only when driving on expressways or freeways and in good weather conditions.</td>
</tr>
</tbody>
</table>

**WARNING**
ACC has limited braking capability. When your vehicle speed drops below 22 mph (35 km/h), ACC will automatically cancel and no longer will apply your vehicle’s brakes. Always be prepared to apply the brake pedal when conditions require.

ACC can not be activated if Intelligent Traction Management setting is snow, sand or mud.

Vehicle speed for adaptive cruise control: Desired speed in a range above roughly 25 mph (40 km/h)

Gear positions for adaptive cruise control: In D or S

* Not available on all models
How to activate the system

**How to use**

ACC is on in the driver information interface. Adaptive cruise control is ready to use.

Press the MAIN button on the steering wheel.

**Important Reminder**

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

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

The radar sensor for ACC is shared with the Collision Mitigation Braking System™ (CMBS™).
To Set the Vehicle Speed

Take your foot off the pedal and press the –/SET button when you reach the desired speed. The moment you release the –/SET button, the set speed is fixed, and ACC begins.

When ACC starts operating, the vehicle icon, distance bars and set speed appear on the driver information interface.

Adaptive Cruise Control (ACC)

ACC may not work properly under certain conditions.

When not using ACC: Turn off adaptive cruise by pressing the MAIN button. This also will turn off the Lane Keeping Assist System (LKAS).

When the MAIN button is pressed, ACC and Lane Keeping Assist System (LKAS) are both turned on or off.

You can switch the displayed set speed measurements on the driver information interface between mph and km/h.

Do not use ACC under the following conditions:

- On roads with heavy traffic or while 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 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.
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Adaptive Cruise Control (ACC)

When in Operation

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

- ACC Range: 394 ft. (120 m)

A vehicle icon appears on the driver information interface.

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, the beeper sounds and a message appears on the driver information interface.

Depress the brake pedal, and keep an appropriate interval from the vehicle ahead.
There is no vehicle ahead

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 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 alerts even if a vehicle is in ACC range. ACC stays on unless you cancel it. Once you release the accelerator pedal, the system resumes the set speed.

When in Operation

Even if the interval between your vehicle and the vehicle detected ahead is short, ACC 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 detecting range. Change the ACC Forward Vehicle Detect Beep setting.

Limitations

You may need to use the brake to maintain a safe interval when using ACC. Additionally, ACC may not work properly under certain conditions.
Honda Sensing™ Adaptive Cruise Control (ACC)

**ACC Conditions and Limitations**

The system may automatically shut off and the ACC indicator will come on under certain conditions. Some examples of these conditions are listed below. Other conditions may reduce some of the ACC functions.

- **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 (wrong sized, varied size or construction, improperly inflated, compact spare tire, etc.).
  - The camera temperature gets too high.
  - The parking brake is applied.
  - When the front grille is dirty.
  - The vehicle is tilted due to a heavy load or suspension modifications.
  - When tire chains are installed.

**ACC 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 MAIN 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).
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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.
- When 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.
- When there are animals in front of your vehicle.
- When 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.
• When driving through a narrow iron bridge.

• When the vehicle ahead of you brakes suddenly.
• When the vehicle ahead of you has a unique shape.

Radar detects upper section of an empty carrier truck.

Panel truck, tanker truck, etc.

• When 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/+ or −/SET buttons on the steering wheel.

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

To Set or Change Following-interval

Press the Interval button to change the ACC 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-interval.

To Adjust the Vehicle Speed

If a vehicle detected ahead is going at a speed slower than your increased set speed, ACC 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 driver information interface between mph and km/h.

You can set the vehicle speed using the −/SET button on the steering wheel when adjusting the speed with the accelerator and brake pedals.
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 vehicle's following-speed is, the longer the short, middle, long or extra long following-interval becomes. See the following examples for your reference.

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

To cancel ACC, do any of the following:

- Press the **CANCEL** button.
- Press the **MAIN** button.
- ACC indicator goes off.
- Depress the brake pedal.

### Automatic cancellation

The beeper sounds and a message appears on the driver information interface when ACC is automatically canceled. Any of these conditions may cause the ACC 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 you manually apply the parking brake.
- When the detected vehicle within the ACC range is too close to your vehicle.
- The camera behind the rearview mirror, or the area around the camera, including the windshield, gets dirty.

### To Cancel

Resuming the prior set speed: After you have canceled ACC, you can resume the prior set speed while it is still displayed. Press the **RES/+** button when driving at a speed of at least 25 mph (40 km/h) or more.

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

Even though ACC has been automatically canceled, you can still resume the prior set speed. Wait until the condition that caused ACC to cancel improves, then press the **RES/+** button.
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To Switch ACC to Cruise Control
Press and hold the (interval) button for one second. Cruise Mode Selected appears on the driver information interface for two seconds, and then the mode switches to Cruise. To switch back to ACC, press and hold the 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 −/SET button when you reach the desired speed. The moment you release the −/SET button, the set speed is fixed, and cruise control begins. The CRUISE CONTROL indicator comes on.

To Adjust the Vehicle Speed
Each time you press the RES/+ or −/SET button, the vehicle speed is increased or decreased by about 1 mph (1.6 km/h). If you keep the RES/+ or −/SET button pressed, the vehicle speed increases or decreases until you release it. This speed is then set.

To Switch ACC 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.
To cancel cruise control, do any of the following:
• Press the CANCEL button.
• Press the MAIN button.
• Depress the brake pedal.
The CRUISE CONTROL indicator goes off.

Resuming the prior set speed:
After cruise control has been canceled, you can still resume the prior set speed by pressing the RES/+ button while driving at a speed of at least 25 mph (40 km/h) or more.

You cannot set or resume in the following situations:
• When vehicle speed is less than 25 mph (40 km/h).
• When the MAIN button is turned off.

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

Operation Switches for the ACC/LKAS

- MAIN Button
  Press to activate standby mode for ACC and LKAS. Or press to cancel these systems.

- LKAS Button
  Press to activate or cancel the LKAS.

- RES/+/-/SET Button
  Press RES/+ to resume the ACC or increase the vehicle speed.
  Press -/SET to set the ACC or decrease the vehicle speed.

- Interval Button
  Press the (interval) button to change the ACC following-interval.

- CANCEL Button
  Press to cancel ACC.