Honda Sensing® P. 447

Models without Low Speed Braking Control

Honda Sensing® is a driver support system which employs the use of two distinctly different kinds of sensors, a radar sensor located at the lower part of the front bumper and a front sensor camera mounted to the interior side of the windshield, behind the rearview mirror.

Models with Low Speed Braking Control

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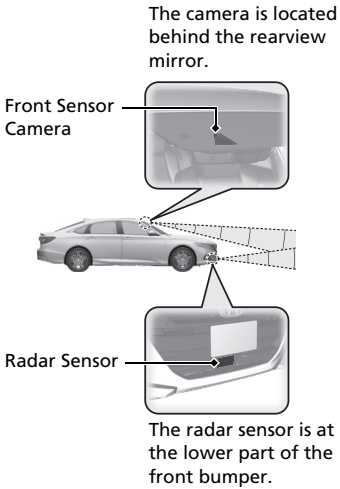
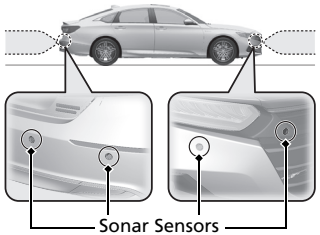
All models



Models with Low Speed Braking Control



Collision Mitigation Braking System™ (CMBS™) P. 450

The system can assist you when it determines there is a possibility of your vehicle colliding with a vehicle or a pedestrian detected in front of your vehicle. The CMBS™ is designed to alert you when the potential for a collision is determined, as well as to reduce your vehicle speed to help minimize collision severity when a collision is deemed unavoidable.

Low Speed Braking Control* P. 459

Using sonar sensors located on the front and rear bumpers, the vehicle detects if there is danger of a potential collision with a wall or other obstacle. The system is designed to alert you when a potential collision is determined, as well as assist in reducing speed, avoiding collisions, and reducing collision severity.

* Not available on all models

Adaptive Cruise Control (ACC) with Low Speed Follow P. 464

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.

Lane Keeping Assist System (LKAS) P. 480

Provides steering input to help keep the vehicle in the middle of a detected lane and provides tactile and visual alerts if the vehicle is detected drifting out of its lane.

Road Departure Mitigation (RDM) System P. 488

Alerts and helps to assist you when the system detects a possibility of your vehicle unintentionally crossing over detected lane markings and/or leaving the roadway altogether.

Traffic Sign Recognition System P. 493

Reminds you of road sign information, such as the current speed limit, your vehicle has just passed through, showing it on the driver information interface and the head-up display*.

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Models with Low Speed Braking Control

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Honda Sensing® has following functions.

■ The functions which do not require switch operations to activate

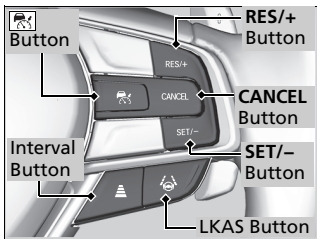
- Collision Mitigation Braking System™ (CMBS™) ➡ P. 450
- Low Speed Braking Control* ➡ P. 459
- Road Departure Mitigation (RDM) System ➡ P. 488
- Traffic Sign Recognition System ➡ P. 493

■ The functions which require switch operations to activate

- Adaptive Cruise Control (ACC) with Low Speed Follow ➡ P. 464
- Lane Keeping Assist System (LKAS) ➡ P. 480

* Not available on all models

■ Operation Switches for the ACC with Low Speed Follow/ LKAS



■ Button
Press to activate standby mode for ACC with Low Speed Follow. Or press to cancel the system.

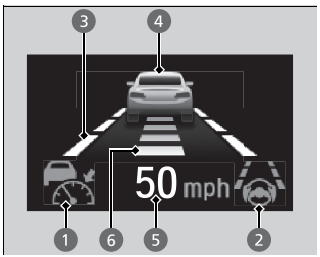
■ LKAS Button
Press to activate standby mode for LKAS. Or press to cancel the system.

■ RES/+ and SET/– Buttons
Press **RES/+** button to resume the ACC with Low Speed Follow or increase the vehicle speed.
Press **SET/–** button to set the ACC with Low Speed Follow or decrease the vehicle speed.

■ Interval Button
Press to change the ACC with Low Speed Follow following-interval.

■ CANCEL Button
Press to cancel ACC with Low Speed Follow.

■ Driver Information Interface Content



You can see the current state of ACC with Low Speed Follow and LKAS.

❶ Indicates that ACC with Low Speed Follow is ready to be activated.
- White: The system is in standby.
- Green: The system is on.
- Amber: There is a problem with the system.

❷ Indicates that LKAS is ready to be activated.
- White: The system is in standby.
- Green: The system is on.
- Amber: There is a problem with the system.

❸ Indicates that LKAS is activated and whether or not traffic lane lines are detected.
- Solid lane outlines: The system is on.
- Lane outlines: The system is in standby.

❹ Indicates whether or not ACC with Low Speed Follow detects the vehicle ahead.

❺ Shows vehicle set speed in ACC with Low Speed Follow.

❻ Shows set vehicle interval in ACC with Low Speed Follow.

Driver Information Interface Content

Models with head-up display

You can have the head-up display show you the current state of each function.

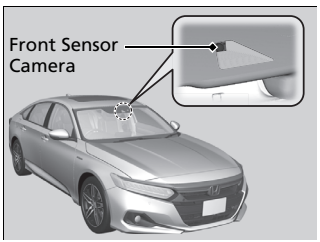
➡ **Head-Up Display*** P. 166

* Not available on all models

Front Sensor Camera

The camera, used in systems such as Lane Keeping Assist System, Road Departure Mitigation, Adaptive Cruise Control with Low Speed Follow, Collision Mitigation Braking System™, and traffic sign recognition system, is designed to detect an object that triggers any of the systems to operate its functions.

Camera Location and Handling Tips



This camera is located behind the rearview mirror.

To help reduce the likelihood that high interior temperatures will cause the camera's sensing system to shut off, when parking, find a shady area or face the front of the vehicle away from the sun. If you use a reflective sun shade, do not allow it to cover the camera housing. Covering the camera can concentrate heat on it.

Front Sensor Camera

Never apply a film or attach any objects to the windshield, the hood, or the front grille that could obstruct the camera's field of vision and cause the system to operate abnormally.
Scratches, nicks, and other damage to the windshield within the camera's field of vision can cause the system to operate abnormally. If this occurs, we recommend that you replace the windshield with a genuine Honda replacement windshield. Making even minor repairs within the camera's field of vision or installing an aftermarket replacement windshield may also cause the system to operate abnormally. After replacing the windshield, have a dealer recalibrate the camera. Proper calibration of the camera is necessary for the system to operate properly.

Do not place an object on the top of the instrument panel. It may reflect onto the windshield and prevent the system from detecting lane lines properly.

Front Sensor Camera

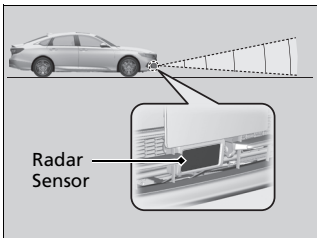
If the **Some Driver Assist Systems Cannot Operate: Camera Temperature Too High** message appears:

- Use the climate control system to cool down the interior and, if necessary, also use defroster mode with the airflow directed towards the camera.
- Start driving the vehicle to lower the windshield temperature, which cools down the area around the camera.

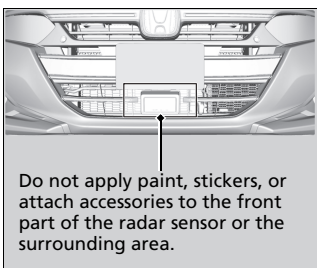
If the **Some Driver Assist Systems Cannot Operate: Clean Front Windshield** message appears:

- Park your vehicle in a safe place, and clean the windshield. If the message does not disappear after you have cleaned the windshield and driven for a while, have your vehicle checked by a dealer.

Radar Sensor



The radar sensor is at the lower part of the front bumper.



- Do not change the position of the radar sensor or any of the surrounding parts.
- Do not apply paint, stickers, or attach non-genuine accessories to the front part of the radar sensor or the surrounding area. Be particularly careful that any custom license plate frame or other accessory does not block any part of the radar beam path (see adjacent illustration).

Radar Sensor

Avoid strong impacts to the radar sensor cover.

For the CMBS™ to work properly:
- Always keep the radar sensor cover clean.
- Never use chemical solvents or polishing powder for cleaning the sensor cover. Clean it with water or a mild detergent.
- Do not put a sticker on the radar sensor cover or replace the radar sensor cover.

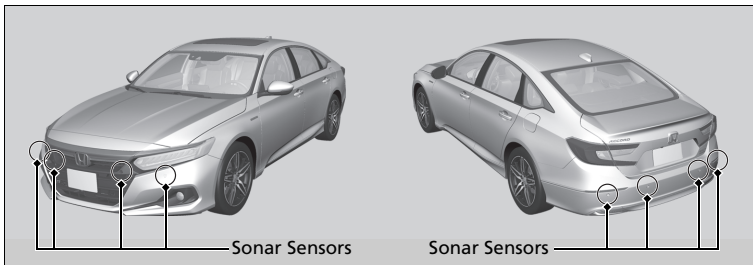
If you need the radar sensor to be repaired, or removed, or the radar sensor cover is strongly impacted, turn off the system by using the safety support switch and take your vehicle to a dealer.
CMBS™ On and Off P. 453

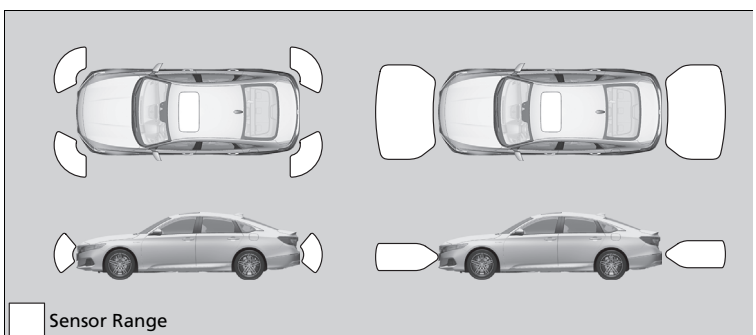
If the vehicle is involved in any of the following situations, the radar sensor may not work properly. Have your vehicle checked by a dealer:
- Your vehicle is involved in a frontal collision.
- Your vehicle drives through deep water or is submerged in deep water.
- Your vehicle strongly strikes a bump, curb, chock, or embankment that could jar the radar sensor.

Sonar Sensors*

■ Location and range of sensors

The sonar sensors are situated in the front and rear bumpers.





Sonar Sensors*

For the sonar sensors to work properly, do not:
- Place stickers or other objects on or around the sensors.
- Hit the area around the sensors.
- Attempt to take apart any sensor.
- Put any accessories on or around the sensors.

Consult with a dealer if:
- A sensor has been subjected to shock.
- Work needs to be done to the area around a sensor.

In the following cases, the sonar sensors may not work properly. Have your vehicle checked by a dealer.
- The front or rear bumper has made contact with a hill, parking block, curb, embankment, etc.
- The vehicle has been involved in frontal or rear collision.
- The vehicle has been driven through a deep puddle.

* Not available on all models