Traffic Jam Assist

The traffic jam assist system uses a radar sensor mounted inside the front grille and a camera mounted to the upper portion of the windshield to detect and monitor left and right white (yellow) traffic lane lines as well as any vehicle ahead. Based on inputs from the radar sensor and camera, the system adjusts the speed of your vehicle to maintain a set interval between your vehicle and the one detected ahead. It also applies steering torque to keep your vehicle in the center of the detected lane when you are driving in heavy traffic.

■ How Traffic Jam Assist works

If you are in heavy traffic and Adaptive Cruise Control with Low Speed Follow is active, the traffic jam assist system, upon detecting the traffic lane lines and a vehicle ahead, will apply steering torque to help keep your vehicle in the center of the lane. The system adjusts the speed of your vehicle to maintain a set interval between your vehicle and the one detected ahead.

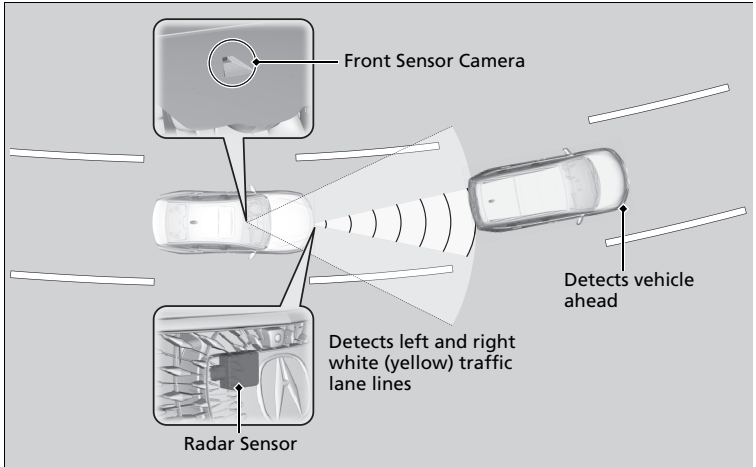
Traffic Jam Assist

⚠WARNING

Improper reliance on Traffic Jam Assist can cause a crash resulting in injury or death. Always maintain full control over your vehicle even when this system is active. and only use when on expressways or freeways. Traffic Jam Assist is not an autonomous driving system.

⚠WARNING

Failure to securely park vehicle when stopped while Adaptive Cruise Control with Low Speed Follow is active can allow the vehicle to roll away, resulting in a crash causing injury or death.
Never stop the vehicle and exit it without placing it in Park and setting the parking brake.



When you use the turn signal to indicate a lane change, Traffic Jam Assist is temporarily deactivated. It is reactivated once the vehicle is traveling in the center of the lane and the system has detected the traffic lane lines and a vehicle ahead.

When the driver takes direct control of steering, the steering assist function is temporarily canceled.
The torque applied to steering may not be noticeable when the driver has direct control of steering, or when the surface of the road is rough or uneven.

Traffic Jam Assist

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

➔ **Front Sensor Camera**

Traffic Jam Assist may not always be able to detect lane division lines or a vehicle traveling ahead. Depending on weather and road conditions and other factors, Traffic Jam Assist may not function normally. Always be aware of your surroundings and the road conditions, and conduct yourself in a manner conducive to safe driving. Traffic Jam Assist may not function properly when you are driving through a sharp curve or repeatedly accelerating and decelerating.

Traffic Jam Assist may not work properly under the certain conditions:

➔ **Traffic Jam Assist: Conditions and limitations**

■ Traffic Jam Assist Activation

Traffic Jam Assist is activated when all of the following circumstances exist:

- LKAS is active.
- ACC with Low Speed Follow is active.
- The vehicle speed is between 0 and 45mph (0 and 72km/h) and there is a vehicle detected traveling ahead.
- The lane in which you are driving has detectable lane markers on both sides, and your vehicle is in the center of the lane.
- You are driving on a straight or slightly curved road.
- The driver is gripping the steering wheel.

Do not use Traffic Jam Assist in any of the following situations:

- You are traveling on a road with sharp curves.
  ▶ The system may not allow your vehicle to respond in a manner best suited for the road conditions.
- You are entering a toll booth, interchange, service area, or parking area.
  ▶ If the vehicle ahead disappears from the travel path of your vehicle, your vehicle may suddenly accelerate to resume the set speed.
- You are driving in adverse weather (rain, fog, snow, etc.).
  ▶ The system may not be able to correctly determine the interval between your vehicle and the one ahead.
- The surface of the road is slippery, for example, it is icy or covered with snow.
  ▶ The tires may slip, causing you to lose control of the vehicle.
- You are driving in a HOV lane and motorcycles are passing you to the side, or you are required to keep your vehicle to the right or the left of the lane.
  ▶ The system may not be able to correctly determine the vehicle ahead.

Traffic Jam Assist Activation

Refer to the following page for proper handling of the Adaptive Cruise Control with Low Speed Follow:

➡ **Adaptive Cruise Control (ACC) with Low Speed Follow**

Refer to the following page for proper handling of the Lane Keeping Assist System (LKAS):

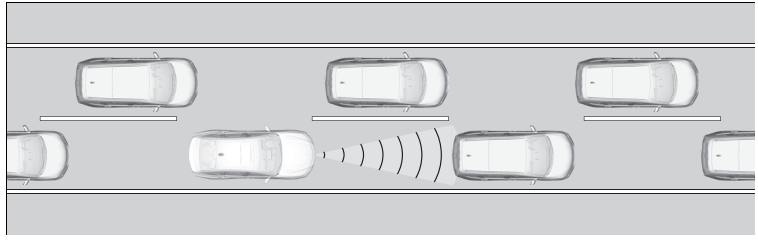
➡ **Lane Keeping Assist System (LKAS)**

Refer to the following page for steering buttons and displays:

How Traffic Jam Assist Works

When a vehicle is traveling ahead

When a vehicle ahead of yours is detected entering the Traffic Jam Assist detection area, Traffic Jam Assist adjusts the speed of your vehicle to maintain the selected interval between your vehicle and the one ahead. It also applies steering torque to keep your vehicle in the center of the detected lane.



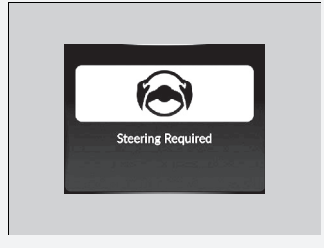
How Traffic Jam Assist Works

If your vehicle veers too far to the right or the left of the white (yellow) traffic lane lines while Traffic Jam Assist is active, deactivate Traffic Jam Assist and have an authorized Acura dealer inspect your vehicle.

In some cases the system cannot properly detect the traffic lane lines and, as a result, will not provide steering assistance.

Traffic Jam Assist: Conditions and limitations

If the driver takes his or her hands off the steering wheel or does not adequately maintain control of steering, the warning below will appear.



If the driver does not grip the steering wheel after the warning above has repeatedly appeared, a warning buzzer will sound and Traffic Jam Assist will be canceled.

You can have the head-up display* show you the current state of Traffic Jam Assist.

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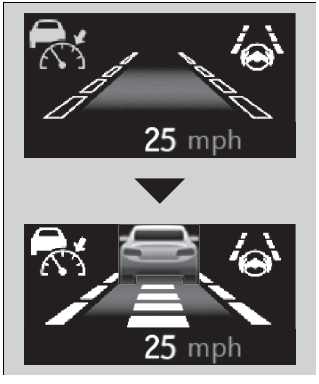
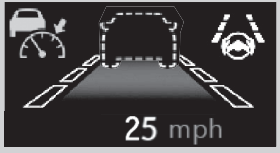
* Not available on all models



Keep your vehicle near the center of the lane while driving.

▶ Traffic Jam Assist will be activated once the camera has detected the white (yellow) traffic lane lines on either side of the lane and the radar sensor and camera have detected a vehicle driving ahead.
The dotted outer lines change to solid ones and a vehicle icon appears on the multi-information display.

■ When no vehicle is traveling ahead

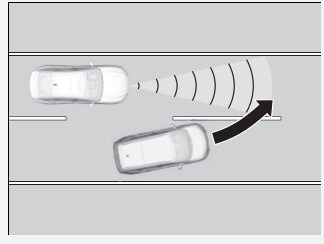


The dotted outer lines and a vehicle icon with a dotted-line contour appear on the multi-information display.

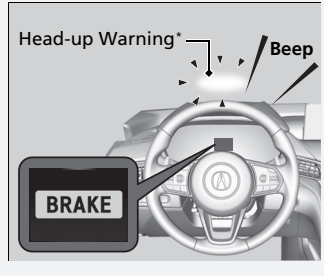
If the vehicle detected ahead disappears from the travel path of your vehicle (for example, it changes lanes), Traffic Jam Assist will be deactivated temporarily and your vehicle will gradually accelerate until it reaches the set speed, after which it will maintain that speed.

How Traffic Jam Assist Works

If the vehicle detected ahead suddenly slows down, or if another vehicle is detected cutting in front of yours, a warning buzzer will sound, and a warning in the multi-information display and head-up warning* will appear.



Depress the brake pedal and take direct control of steering.



* Not available on all models

■ Canceling Traffic Jam Assist

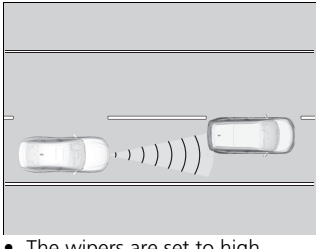
To cancel Traffic Jam Assist, you can do any of the following:

- Press the button.
- Press the LKAS button.
- When the ACC with Low Speed Follow is deactivated.

■ When Traffic Jam Assist may automatically be suspended when:

The system is temporarily canceled automatically under the following circumstances.

- The system fails to detect lane lines.
- The vehicle ahead of you cannot be detected.
- The steering wheel is turned quickly.
- You fail to steer the vehicle.
- The vehicle in front of you is driving near the lane lines.



- The wipers are set to high.
- The interval between your vehicle and the one traveling ahead is over 197 feet (60m).

Once these conditions no longer exist, the Traffic Jam Assist automatically resumes.

How Traffic Jam Assist Works

If you are traveling slower than the vehicle detected ahead or a vehicle that is detected cutting in front of you and the interval between your vehicle and the detected vehicle gradually increases, your vehicle will continue to follow that vehicle without emitting any warning, even if the interval between the vehicle is minimal.

When Traffic Jam Assist may automatically be suspended when:

You are traveling over 45mph (72km/h).

▶When the speed of the vehicle reaches 45mph (72km/h), Traffic Jam Assist is deactivated and LKAS is activated instead. Once the speed of the vehicle drops to under 42mph (68km/h), Traffic Jam Assist is reactivated.

■ When Traffic Jam Assist may automatically be canceled when:

It is possible that under any of the following circumstances, broken lines representing traffic lane lines will appear in the multi-information display, a buzzer will sound, and Traffic Jam Assist will be canceled.

- The temperature of the camera is too high.
- The camera behind the rearview mirror, or the area around the camera, including the windshield, is dirty.

■ Traffic Jam Assist: Conditions and limitations

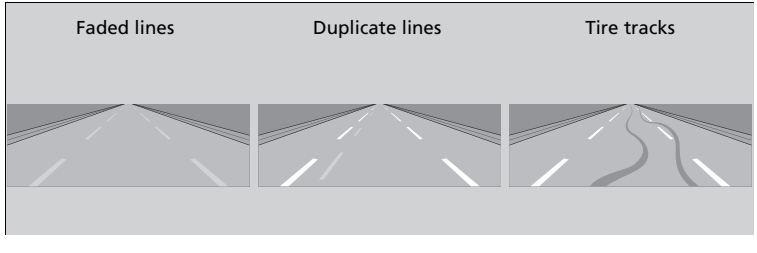
Under the following circumstances, some features of Traffic Jam Assist may not work.

■ Vehicle conditions

- The front grille is dirty.
- Headlight lenses are dirty or the headlights are not properly adjusted.
- The outside of the windshield is streaked or blocked by dirt, mud, leaves, wet snow, etc.
- The inside of the windshield is fogged up.
- Your vehicle is fitted with tires or wheels of differing size, type, or structure, or the tires are not properly inflated.
- The vehicle is tilted due to a heavy load or suspension modifications.
- The interval between your vehicle and the detected vehicle ahead of you is too short.
- Snow chains are installed on the tires.

■ **Environmental conditions**
- Bad weather (rain, fog, snow, etc.).
- You are driving into low sunlight (e.g., at dawn or dusk).
- Strong light is reflected onto your vehicle or the roadway.
- Brightness in the immediate are suddenly changes between light and dark, such as at the an entrance or exit of a tunnel.
- The road has puddles or the surface of the road is shiny due to recent rainfall.
- Shadows are cast across the lane lines (e.g., trees, buildings, guardrails, vehicle, etc.).
- Spray or snow coming off the vehicle ahead.
- Driving at night or in a dark condition such as a tunnel.

■ **Roadway conditions**
Certain features of the road can interfere with proper camera operation. Here are some examples:
- The lines are not very distinguishable from the surface of the road.
- The section of the road has lane restrictions or temporarily marked lanes.
- The lines are faded, removed lines remain visible next to newer lines (duplicate lines), or the road is marked with tire tracks.

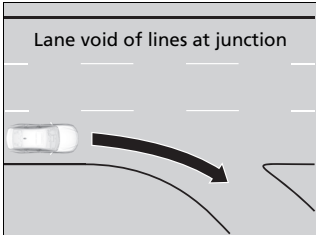


- The roadway has merging, split, or crossing lines (e.g., such as at an intersection or crosswalk).
- The lane markings are extremely narrow, wide, or of inconsistent width.

Very wide or narrow traffic lane

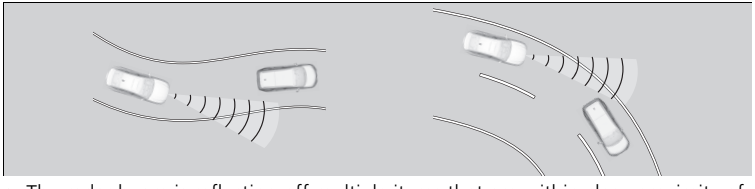
- The lane lines are partly concealed by your vehicle or another vehicle.
- The road is hilly or the vehicle is approaching the crest of a hill.
- The vehicle is shaking considerably because of an uneven road surface, etc.
- Objects on the road (curb, guard rail, pylons, etc.) are recognized as white lines (or yellow lines).
- The lines appear distorted or they briefly disappear out of the camera detection range due to an uneven road surface.
- The road is unpaved, or has a rough or bumpy surface.
- The roads has double lines.
- The surface of the road is slippery due to icy or snowy conditions.
- Sections of the paved road are obscured by puddles or snow.
- The road has ruts.

- The section of the road branches off or merges with another road.

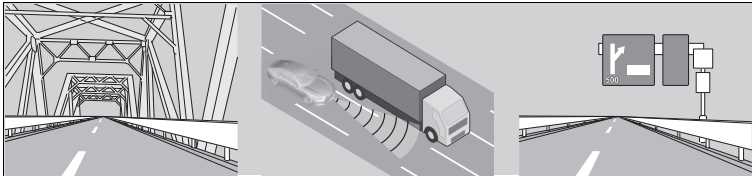


■ **Certain features of the road can interfere with proper radar sensor operation. Here are some examples:**

- The road has curves, undulations, slopes, etc.

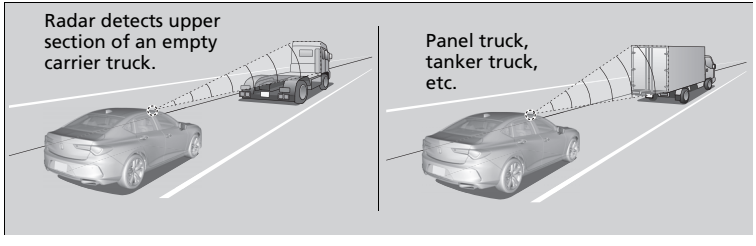


- The radar beam is reflecting off multiple items that are within close proximity of your vehicle. This can happen when you are driving, for example, across a narrow truss bridge.

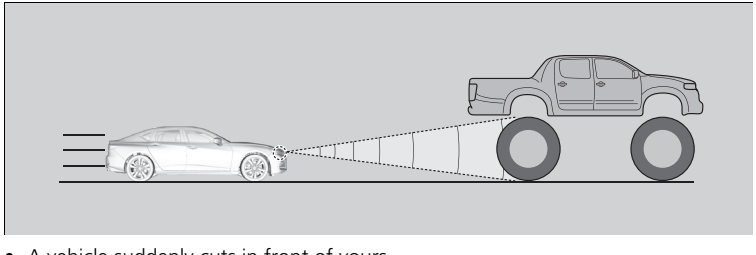


■ **Detection limitations**

- The vehicle ahead suddenly accelerates.
- The vehicle ahead is a panel truck or a vehicle whose shape is not of standard dimensions.



- The vehicle ahead of you is a motorcycle, bicycle, mobility scooter, or other small vehicle.
- The ground clearance of the vehicle ahead is unusually high.



- A vehicle suddenly cuts in front of yours.