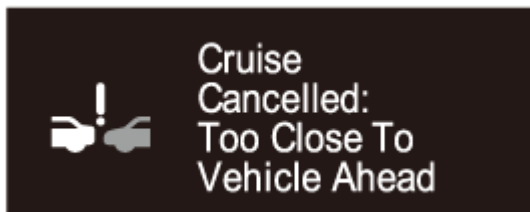


ACC System Auto Stop Control History

When the ACC is activated, if the millimeter wave radar determines that the ACC is unable to operate normally due to an environmental factors (such as weather or road surface condition and driving or vehicle condition) or other reasons even when the ACC system itself is normal, the millimeter wave radar automatically cancels the activation of the ACC and records the ACC system auto stop control code in it.

When the ACC is automatically cancelled, "ACC OFF" is displayed on the multi-information display (MID) to notify the driver of the cancellation. At this time, the ACC indicator (amber) does not come on.



Checking for ACC System Auto Stop Control Codes

The ACC system auto stop control codes recorded in the millimeter wave radar can be read out by the procedure below.

NOTE: Make sure the 12 volt battery is fully charged before you begin.

1. [Connect the HDS.](#)
2. Under Driving Support in the HDS, select Integrated Driver Support System, then select Data List on the HDS.
3. Checking for ACC system auto stop control codes recorded in the Data List.

NOTE:

- The ACC system auto stop control history is recorded from 1. When the automatic cancellation takes place 11 times or more, the past 10 records are held. In this case, history 10 is the latest record and the 10 latest records are held. When 0, no record is held.
- When DTCs are cleared with the HDS, the ACC system auto stop control history is cleared as well.
- Some of the following ACC system auto stop control codes may not be used for specific model specifications.

ACC System Auto Stop Control Codes

Code	ACC System Auto Stops Operating	Examples	Detection Conditions	Restoration Conditions (Conditions under which ACC SET is possible)	Reasons for Control OFF
80	Engine Speed too high or too low	The vehicle decelerated because the leading vehicle decelerated, and the engine speed dropped below the mid-speed ranges.	The driver did not operate the clutch pedal within 10 seconds after the shift-down request was displayed.	The engine speed returned to the specified speed or higher.	Prevention of engine stall while the vehicle is decelerating because the leading vehicle is decelerating.
84	Target vehicle comes closer than the radar detecting limits	<ul style="list-style-type: none"> ● The leading vehicle slowed down rapidly. ● Another vehicle suddenly cut in front of the own vehicle. 	<p>The distance between the leading vehicle and your vehicle is less than the minimum allowable vehicle-to-vehicle distance.</p> <ul style="list-style-type: none"> ● Models with the low speed follow (LSF) feature: 1.5 m (4.9 ft) ● Models without the low speed follow (LSF) feature: 5 m (16 ft) 	The system returns to normal when the distance between the leading vehicle and your vehicle reaches or exceeds the minimum allowable vehicle-to-vehicle distance + 0.5 m (1.6 ft).	The control is prohibited at a close distance to the leading vehicle where the ACC system is unavailable. If the leading vehicle is too close to your vehicle, the millimeter wave radar may fail to detect the leading vehicle.
89	Front wheel spin	<ul style="list-style-type: none"> ● Driving on a slippery (low μ) road ● TCS control is executed. 	A change in the wheel speed equivalent to 0.75 G occurs.	Other than those listed to the left	Prevention of use of ACC on a road where vehicle behavior is unstable

*: This value differs depending on whether or not the vehicle is equipped with Low Speed Follow (LSF).

Code	ACC System Auto Stops Operating	Examples	Detection Conditions	Restoration Conditions (Conditions under which ACC SET is possible)	Reasons for Control OFF
99	Acceleration/deceleration abnormality	<ul style="list-style-type: none"> The inclination of the road changed significantly while the vehicle accelerates/decelerates at around the maximum acceleration/deceleration speed of the ACC system. The powertrain or brake system is abnormal. 	<ul style="list-style-type: none"> While the ACC was operating, an acceleration of 0.4 G or more* continued for 1.0 second or more. While the ACC was operating, a deceleration of -0.5 G or less* continued for 1.5 seconds or more. 	Other than those listed to the left	Because the maximum acceleration/deceleration speed for the ACC system is exceeded.
101	Rear wheel locked	The parking brake is not released or the vehicle is driven on a frozen road surface.	A signal of 5 mph (8 km/h) or more is inputted to the front wheel sensor and a signal of 0 mph (0 km/h) is inputted to the rear wheel sensor.	The front and rear wheel sensors detect a wheel speed.	Prevention of unstable vehicle behavior
109	Movement distance too short after initiation	When the millimeter wave radar detects an object that turns on low speed follow (LSF) control immediately after vehicle ON mode.	When the distance the vehicle travels after vehicle ON mode, is less than 8 m (26 ft), which is calculated based on the vehicle speed.	When the distance the vehicle travels is 8 m (26 ft) or more.	This is because an object other than a vehicle may be recognized as the leading vehicle after vehicle ON mode in a parking lot etc.
110	Shift position 1st	<ul style="list-style-type: none"> While driving in 1st gear. Vehicle is driven at an extremely low speed. 	1st gear shift position is detected.	Vehicle is driven in 2nd or higher gear (forward gear).	Inappropriate gear is selected for ACC system.

*: This value differs depending on whether or not the vehicle is equipped with Low Speed Follow (LSF).

Code	ACC System Auto Stops Operating	Examples	Detection Conditions	Restoration Conditions (Conditions under which ACC SET is possible)	Reasons for Control OFF
111	Brake pads temperature too high	<ul style="list-style-type: none"> ● Driving down hill ● Driving down hill on a long road ● Excessive use of the footbrake ● Turn the vehicle to the OFF (LOCK) mode when VSA system sets the brake pad high temperature information, then turn the vehicle to the ON mode again. 	VSA system sets the brake pad high temperature information.	VSA system clears the brake pad high temperature information.	<ul style="list-style-type: none"> ● Use of ACC while driving downhill on a long road cause the brake pads to increase in temperature which can result in change of the operation feeling of a brake pedal. In this case, driver may not be able to respond to changes in feeling of a brake pedal. ● The driver may make a complaint about a nasty smell from high temperature brake pads without noticing the ACC brake.

*: This value differs depending on whether or not the vehicle is equipped with Low Speed Follow (LSF).