

Collision Warning and Collision Avoidance System - Overview

Overview

The forward collision warning system works in conjunction with the ACC system. For this system, a HUD with driver information display is controlled by the IPC and illuminates a solid red bar that appears on the windshield in place of any other selected indicators.

Vehicles equipped with the Base-Level IPC, the forward collision warning system alerts the driver of a collision risk by commanding:

- the HUD module to activate the red warning indicator.
- the ACM to mute audio volume and signal the chime.

Vehicles equipped with the Mid-Level or High-Level IPC, the forward collision warning system alerts the driver of a collision risk by commanding:

- the IPC to activate the red warning indicator in the information center.
- the IPC to activate the chime message.
- the ACM to mute audio volume and signal the chime.

If the system senses the driver is not reacting, the CCM sends a message to the ABS module to charge the brakes for more sensitive braking or for automatic braking to slow or stop the vehicle to avoid or reduce the impact of a collision.
