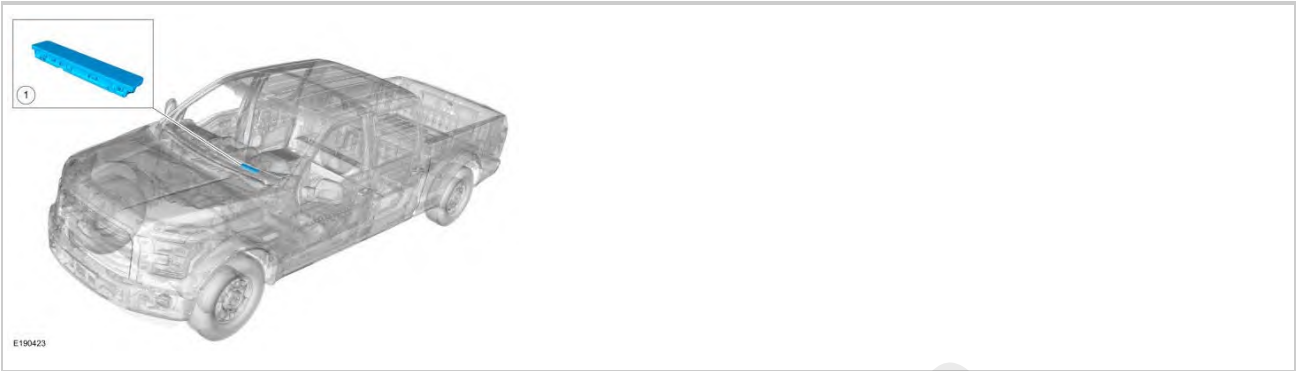


DESCRIPTION AND OPERATION > COLLISION WARNING AND COLLISION
AVOIDANCE SYSTEM - COMPONENT LOCATION



Item	Description
1	HUD module

DESCRIPTION AND OPERATION > COLLISION WARNING AND COLLISION
AVOIDANCE SYSTEM - OVERVIEW > OVERVIEW

The forward collision warning system alerts the driver of a collision risk with a red warning LED indicator bar (which is part of the HUD module) located above the instrument panel and an audible warning chime from the IPC.

Forward Collision Warning System Operation The forward collision warning system works in conjunction with the adaptive cruise control system. During a possible collision event, the CCM commands: * the HUD to flash red warning Light Emitting Diodes (LEDs). * the IPC to activate a chime and commands. * the ACM to mute audio volume. The forward collision warning system is activated when the vehicle is moving forward at a speed greater than 8 kmh (5 mph). The CCM determines the distance and relative speed of the vehicle that is in the path of travel, utilizing a radar sensor (integral to the CCM) to detect other vehicles that are moving in the same direction. If the CCM determines that a collision is possible, the CCM commands the HUD module Light Emitting Diodes (LEDs) to flash and the IPC to chime. The forward collision warning system and audible warning chime can be enabled and disabled through the message center display in the IPC. The system remembers the last setting. Snow plows, or similar equipment, installed on the front of the vehicle can confuse the radar mounted in the front bumper, causing erratic behavior. The forward collision warning system should be disabled while the equipment is installed. There are three levels of sensitivity detection (HIGH, NORMAL and LOW) that are changed in the message center display. If a MyKey® restricted key is in use, the MyKey® turns on the forward collision warning and will not allow the MyKey® user to disable the audio or visual forward collision warning system. However, the MyKey® user is able to adjust the forward collision warning sensitivity. When a system fault is detected with the forward collision warning system, the message COLLISION WARNING NOT AVAILABLE, COLLISION WARNING NOT AVAILABLE SENSOR BLOCKED SEE MANUAL, or COLLISION WARNING MALFUNCTION is displayed in the IPC message center.