

		status.
HUD fault	HUD module	Used for HUD module fault status.

Network Input Messages - HUD

Broadcast Message	Originating Module	Message Purpose
HUD flash command	CCM	Flashes the HUD module LED array when commanded.
Ignition status	BCM	Used for ignition switch position input.

Network Input Messages - IPC

Broadcast Message	Originating Module	Message Purpose
Forward collision chime request	CCM	Data used to command warning chime during possible collision event. When this message is received, the IPC sends the audio mute message to the ACM.
Forward collision warning message request	CCM	Data used to command warning chime and messages during possible collision event.

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