

Parking Aid - Overview

Overview

The vehicle may be equipped with:

- Rear only parking aid camera system
- Rear parking aid camera and CHMSL camera (2 camera system)
- Rear parking aid camera and trailer camera (2 camera system)
- Rear parking aid camera, CHMSL camera, and trailer camera (3 camera system)
- 360 degree view camera system with CHMSL camera (trailer camera optional)

NOTE: The available camera systems may include analog and digital cameras. The digital cameras send video signals to the IPMB through coaxial cables. The analog cameras send video signals to the to the display or IPMB through shielded twisted pair wires.

Rear Only Parking Aid Camera

The rear parking aid camera system visually aids the driver while reversing or reverse parking the vehicle. The camera system has features that provide fixed and active guideline overlays on the video image to assist the driver in aligning the vehicle and a visual alert function that provides a visual highlight in the zone where an object is detected by the audible parking aid system. The rear parking aid camera communicates with the BCM through a LIN circuit.

The rear parking aid camera video signal is analog.

Rear Parking Aid Camera And CHMSL Camera (2 Camera System)

The rear parking aid camera and CHMSL camera system provides several different camera views to visually aid the driver. The rear parking aid camera visually aids the driver while reversing or reverse parking the vehicle. The rear camera has features that provide fixed and active guideline overlays on the video image to assist the driver in aligning the vehicle and a visual alert function that provides a visual highlight in the zone where an object is detected by the audible parking aid system.

The CHMSL camera displays the contents of the truck bed and visually aids the driver while hitching the vehicle to a fifth wheel or gooseneck trailer. The CHMSL camera provides a guideline to assist the driver in locating the center the vehicle.

The rear parking aid camera and CHMSL camera communicate with the IPMB through a LIN circuit.

The rear parking aid camera and CHMSL video signals are analog.

Rear Parking Aid Camera And Trailer Camera (2 Camera System)

The rear parking aid camera and trailer camera system provides several different camera views to visually aid the driver. The rear parking aid camera visually aids the driver while reversing or reverse parking the vehicle. The rear camera has features that provide fixed and active guideline overlays on the video image to assist the driver in aligning the vehicle and a visual alert function that provides a visual highlight in the zone where an object is detected by the audible parking aid system.

The trailer camera displays the rear view image from the back of a trailer while reversing .

The rear parking aid camera communicates with the IPMB through a LIN circuit.

The rear parking aid camera and trailer camera video signals are analog.

Rear Parking Aid Camera, CHMSL Camera, And Trailer Camera (3 Camera System)

The rear parking aid camera and trailer camera system provides several different camera views to visually aid the driver. The rear parking aid camera visually aids the driver while reversing or reverse parking the vehicle. The rear camera has features that provide fixed and active guideline overlays on the video image to assist the driver in aligning the vehicle and a visual alert function that provides a visual highlight in the zone where an object is detected by the audible parking aid system.

The CHMSL camera displays the contents of the truck bed and visually aids the driver while hitching the vehicle to a fifth wheel or gooseneck trailer. The CHMSL camera provides a guideline to assist the driver in locating the center the vehicle.

The trailer camera displays the rear view image from the back of a trailer while reversing.

The CHMSL camera communicates with the IPMB through a LIN circuit. The rear parking aid camera communicates with the IPMB through a

coaxial cable via LVDS.

The CHMSL and trailer camera video signals are analog. The rear parking aid camera video signal is digital.

360 Degree View Camera And CHMSL Camera (Trailer Camera Optional)

The 360 degree view camera system provides several different camera views to visually aid the driver while maneuvering the vehicle at low speed. The camera system is enabled by selecting reverse gear or pressing the camera selection switch when any gear except reverse is selected. The camera views are changed using the camera on-screen button and the available camera views are dependent upon the transmission gear selection. The camera system has features that provide fixed and active guideline overlays on the rear normal view video image to assist the driver in aligning the vehicle and a visual alert function that provides a visual highlight on the rear normal and 360 degree view images in the zone where an object is detected by the audible parking aid system. Using the images from the front, rear, LH, and RH parking aid cameras, the IPMB generates the 360 degree camera views that are displayed on the FDIS.

The CHMSL camera displays the contents of the truck bed and visually aids the driver while hitching the vehicle to a fifth wheel or gooseneck trailer. The CHMSL camera provides a guideline to assist the driver in locating the center the vehicle.

The trailer camera displays the rear view image from the back of a trailer while reversing.

The CHMSL camera communicates with the IPMB through a LIN circuit. The front, rear, LH, and RH cameras communicate with the IPMB through a coaxial cable via LVDS.

The CHMSL and trailer camera video signals are analog. The front, rear, LH, and RH camera video signals are digital.
