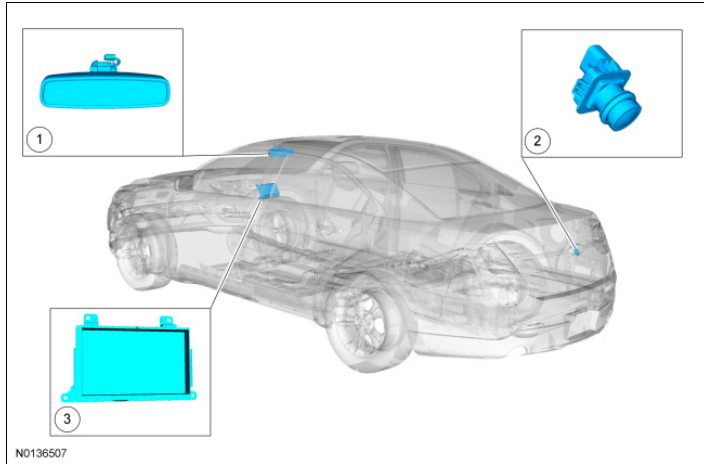


Parking Aid

Component Location



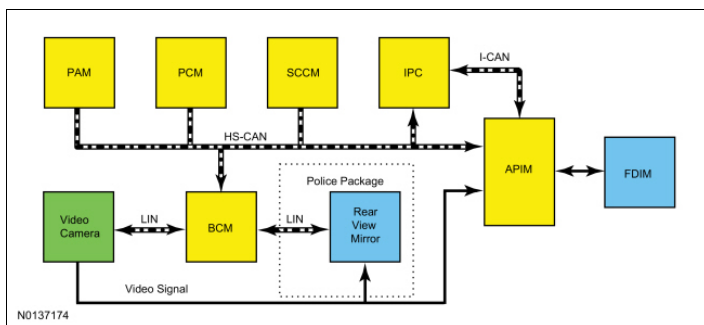
Item	Description	Comments
1	Auto-dimming interior mirror	police package
2	Video camera	-
3	FDIM	-

Overview

The video camera system visually aids the driver while reversing or reverse parking the vehicle. For police package vehicles, the image of the area behind the vehicle is displayed in the LH side of the auto-dimming interior mirror assembly. For all other vehicles, the image of the area behind the vehicle is displayed in the FDIM . The video camera system is controlled through the FDIM . There are no camera controls on police package vehicles. Refer to the Owner's Literature for operating the video camera system features.

System Operation

System Diagram



Network Message Chart

Module Network Input Messages - BCM

Broadcast Message	Originating Module	Message Purpose
Steering wheel angle	SCCM	Used to create the vehicle intended path on video display. Sent to the video camera via the LIN circuit.
Transmission in reverse	PCM	Used to enable the video display. Sent to the video camera via the LIN circuit.
Parking aid range to object	PAM	Used to highlight the zone where an object is detected. Sent to the video camera via the LIN circuit.
Backup camera commands	APIM	Used to command the static and active guidelines status, zoom level and object distance Sent to the video camera via the LIN circuit.

Module Network Input Messages - APIM

Broadcast Message	Originating Module	Message Purpose
Backup camera status	BCM	Used to display the video status for static and active guidelines, zoom level and object distance.

Image Display - Police Package

The decklid must remain closed for correct operation of the video camera system.

The video camera system has 2 video features:

- Fixed guidelines - this feature assists the driver with backing into a parking space or aligning the vehicle with an object.
- Video camera delay - this feature allows the driver to see the image behind the vehicle after the vehicle is shifted out of REVERSE. The image will not be displayed if the vehicle is shifted into PARK.

The video camera delay feature is controlled within the rear view mirror. The video camera delay feature keeps the image displayed on the rear view mirror until the vehicle reaches 8 kmh (5 mph) when the vehicle is shifted out of REVERSE. The video camera fixed guidelines feature displays guidelines on top of the video image to assist the driver with alignment of the vehicle. The guidelines are only available when the transmission is in REVERSE. Three color-coded lines (red, yellow, green) identify different zones between the rear of the vehicle and objects.

The color-coded lines cannot indicate accurate or consistent distances between objects located behind the vehicle and at the rear of the vehicle. This normal condition is due to variances in vehicle ride height, including, but not limited to, e loading.

The BCM and the video camera communicate on a LIN , which is a dedicated single wire communication network.

The messages sent from the BCM to the video camera are:

- Transmission selector (PRNDL) status (REVERSE/no REVERSE only)