

7	APIM
8	PDM
9	GWM
10	IPC
11	ACM
12	FCIM
13	LED
14	Dimmer Switch
15	Headlamp Control Switch
16	Light Sensor
17	RF Door Lock Switch
18	LF Door Lock Switch
19	RF Window Control Switch
20	LF Window Control Switch
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Network Message Chart

Module Network Input Messages - ACM, APIM, DDM, FCIM, GWM, IPC and PDM.

Broadcast Message	Originating Module	Message Purpose
Illumination Dimming Level	BCM	Used to command the illumination dimming level for networked modules and outputs that are hardwired to networked modules.

Networked Illumination Operation

The dimmable switches and components are illuminated when the parking lamps are on. The system-wide illumination dimming level is determined by the BCM. Based on the ambient light level input from the light sensor and the requested illumination dimming level input from the dimmer switch, the BCM calculates the correct dimming level. The BCM sends the illumination dimming level message to the GWM on the HS-CAN1.

The GWM distributes the message to the following components:

MS-CAN

- FCIM
- DDM
- PDM

HS-CAN3

- IPC
- APIM
- ACM

The receiving modules use the illumination dimming level message to determine the backlighting intensity of internal and external non-networked illumination sources. If a module does not receive the illumination dimming level message or the data received is deemed invalid, the module sets a DTC in continuous memory and defaults to full nighttime intensity.

If the IPC does not receive the dimming level or ambient light level network messages from the BCM for up to 5 seconds, the IPC illumination remains at the last level based on the last message received. If the IPC receives invalid or no signals for more than 5 seconds, the IPC defaults to full night illumination level.

On vehicles equipped with autolamps, if the exterior lamps are activated during the daytime, the message center illumination remains at full intensity and does not dim from the illumination dimmer switch. If the vehicle travels under a bridge or through a tunnel, the low level of ambient light causes the illumination level of the message center to change to the level set by the illumination panel dimmer switch. The message center illumination changes back to full intensity when the intense ambient light is restored.