

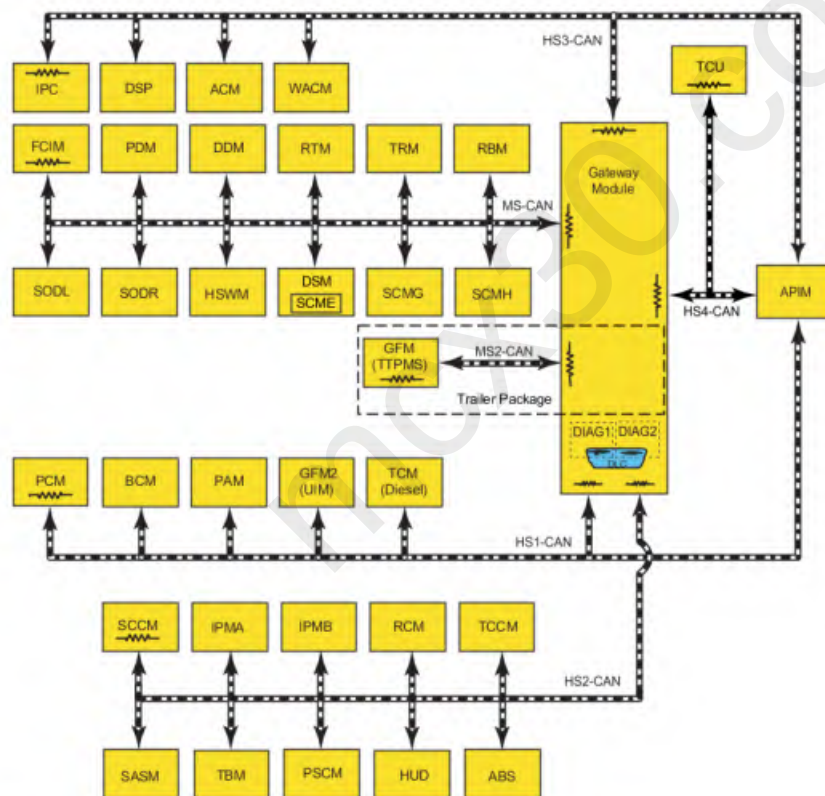
Communications Network - System Operation and Component Description

System Operation

System Diagram

NOTE: For 6.7L diesel applications, the NOx sensor modules, particulate matter sensor, reductant level sensor and glow plug control module communicate on a private CAN (CAN2) to the PCM only. For additional information and system diagnostics, refer to the Powertrain Emissions/Diagnostic (PC/ED) Manual.

NOTE: For vehicles equipped with pre-collision assist, the CCM does not communicate directly on the HS-CAN2. The CCM communicates with the IPMA on a private CAN, and the IPMA communicates on the HS-CAN2. For description and diagnostic information, refer to Section 419-03B.



E318209

Item	Description

1	GWM
2	APIM
3	DDM
4	PDM
5	DSP
6	ACM
7	PCM
8	SODL
9	SODR
10	FCIM
11	RTM
12	IPC
13	HSWM
14	WACM
15	GFM (Trailer TPMS)
16	IPMA
17	SASM
18	RCM
19	TBM
20	HUD module
21	SCCM
22	ABS module
23	TCM (Diesel)
24	BCM
25	SCMG
26	SCMH
27	IPMB
28	TCCM
29	GFM2 (Upfitter switch)
30	TRM
31	RBM
32	PAM
33	TCU
34	DSM
35	SCME
36	PSCM
37	DLC
38	DIAG 2 Transceiver
39	Trailer Package
40	DIAG 1 Transceiver

Module Network Chart

Module Name	Network Type	Terminating Module
APIM (if equipped)	HS-CAN1	No

Module Name	Network Type	Terminating Module
	HS-CAN3	No
	HS-CAN4	No
ABS module	HS-CAN2	No
ACM	HS-CAN3	No
DSP (if equipped)	HS-CAN3	No
BCM	HS-CAN1	No
DDM	MS-CAN	No
DSM	MS-CAN	No
FCIM	MS-CAN	Yes
GWM	HS-CAN1	Yes
	HS-CAN2	Yes
	HS-CAN3	Yes
	HS-CAN4	Yes
	MS-CAN	Yes
	Medium Speed Controller Area Network (MS-CAN2)	Yes
GFM (Trailer TPMS, Trailer package only)	Medium Speed Controller Area Network 2 (MS2-CAN)	Yes
GFM2 (Upfitter switch)	HS-CAN1	No
HUD module (if equipped)	HS-CAN2	No
HSWM (if equipped)	MS-CAN	No
IPC	HS-CAN3	Yes
IPMA (if equipped)	HS-CAN2	No
IPMB (if equipped)	HS-CAN2	No
PAM (if equipped)	HS-CAN1	No
PCM	HS-CAN1	Yes
PDM	MS-CAN	No
PSCM	HS-CAN2	No
RBM (if equipped)	MS-CAN	No
RTM	MS-CAN	No
RCM	HS-CAN2	No
SASM	HS-CAN2	No
SCCM	HS-CAN2	Yes
SCME (if equipped) (integrated with DSM) (if equipped)	MS-CAN	No
SCMG	MS-CAN	No
SCMH (if equipped)	MS-CAN	No
SODL (if equipped)	MS-CAN	No
SODR (if equipped)	MS-CAN	No
TBM (if equipped)	HS-CAN2	No
TRM (if equipped)	MS-CAN	No
TCCM (if equipped)	HS-CAN2	No
TCM (diesel)	HS-CAN1	No
TCU (if equipped)	HS-CAN4	Yes
WACM (if equipped)	HS-CAN3	No

Network Termination

The CAN uses network termination to improve communication reliability. Termination modules are located at both ends of the network. As network messages are broadcast in the form of voltage signals, the network voltage signals are stabilized by the termination resistors.

Each termination module has an internal 120 ohm resistor that bridges across the positive and negative bus connection.

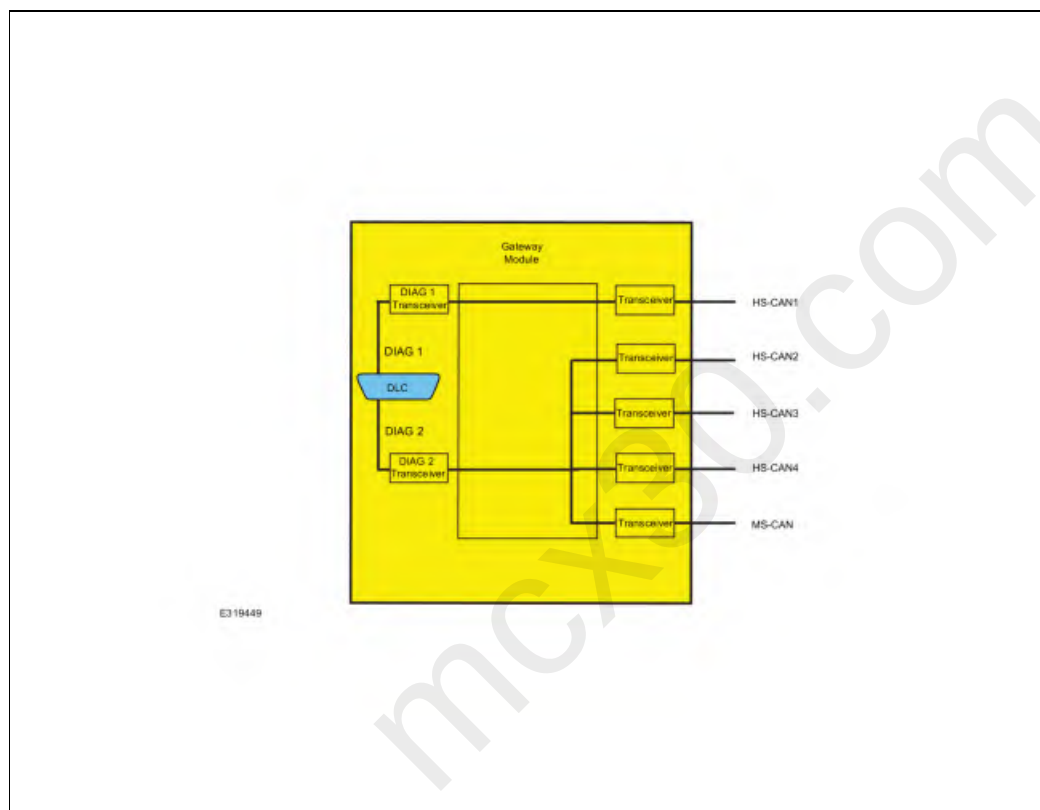
Network termination improves bus message reliability by stabilizing bus voltage and eliminating electrical interference.

Gateway Module

NOTE: The GWM communicates with the 6 controller area networks (CANs). The OBD DLC is fitted to the GWM and is the interface with the diagnostic scan tool.

The GWM is mounted under the driver side instrument panel. The OBD connector is fitted to the GWM. The GWM acts as a central gateway to translate messages across all 6 vehicle controller area networks (CANs), and vice versa. The GWM is the only module on the vehicle with this ability. The GWM also serves as a termination module for each of the networks to which it is connected.

The 2 module communication networks connected to the DLC are DIAG 1 and DIAG 2. These 2 networks communicate directly with the diagnostic scan tool. The other communication networks communicate on the network but do not communicate directly with the diagnostic scan tool. The GWM translates the messages from the HS-CAN1 to DIAG 1. The GWM translates messages from the HS-CAN2, HS-CAN3, HS-CAN4, Medium Speed Controller Area Network (MS-CAN2) and MS-CAN to DIAG 2 which transfers the signals to the diagnostic scan tool.



Item	Description
1	DIAG 1
2	DIAG 2
3	GWM
4	Transceiver
5	DLC
6	DIAG 2 Transceiver
7	DIAG 1 Transceiver
8	Transceiver
9	Transceiver
10	Transceiver
11	Transceiver

High Speed Controller Area Network 1 and 2 (HS-CAN1, HS-CAN2)

The HS-CAN1 and HS-CAN2 operate at a maximum data transfer speed of 500 Kbps and are designed for real-time powertrain and driver feature information transfer and control. Modules on the HS-CAN1 and HS-CAN2 communicate using bussed messages. The HS-CAN uses an unshielded twisted pair cable, data bus (+) and data bus (-) circuits. In addition to diagnostic scan tool communication, the HS-CAN allows sharing of information between all modules on each HS-CAN.

With the addition of more modules, network traffic has increased. This has created the need for an additional HS-CAN to manage the increased bus data carried on each network.

The GWM translates the diagnostic messages from the DIAG 1 network to the HS-CAN1 and vice versa, allowing communication between the modules on the HS-CAN1 and diagnostic scan tool. The GWM translates the diagnostic messages from the DIAG 2 network to the HS-CAN2 and vice versa, allowing communication between the modules on the HS-CAN2 and diagnostic scan tool.

High Speed Controller Area Network 3 and 4 (HS-CAN3, HS-CAN4)

The HS-CAN3 and HS-CAN4 operate at a maximum data transfer speed of 500 Kbps and are designed for real-time audio, multimedia and driver information transfer and control. Modules on the HS-CAN3 and HS-CAN4 communicate using bussed messages. HS-CAN3 and HS-CAN4 use an unshielded twisted pair cable, data bus (+) and data bus (-) circuits, and allows sharing of information between all modules on the network.

The GWM is used as a gateway for the messages to transfer between the diagnostic scan tool and the modules on the HS-CAN3 and HS-CAN4.

The GWM translates the diagnostic messages from the DIAG 2 to the HS-CAN3 and HS-CAN4 and vice versa, allowing communication between the modules on the HS-CAN3 and HS-CAN4 and the diagnostic scan tool.

Medium Speed Controller Area Network (MS-CAN, MS-CAN2)

The MS-CAN operates at a maximum data transfer speed of 125 Kbps and is designed for general information transfer. Modules on the MS-CAN communicate using bussed messages. The MS-CAN uses an unshielded twisted pair cable, data bus (+) and data bus (-) circuits. In addition to scan tool communication, the MS-CAN allows sharing of information between all modules on the network.

The GWM is used as a gateway for the messages to transfer between the scan tool and the modules on the MS-CAN.

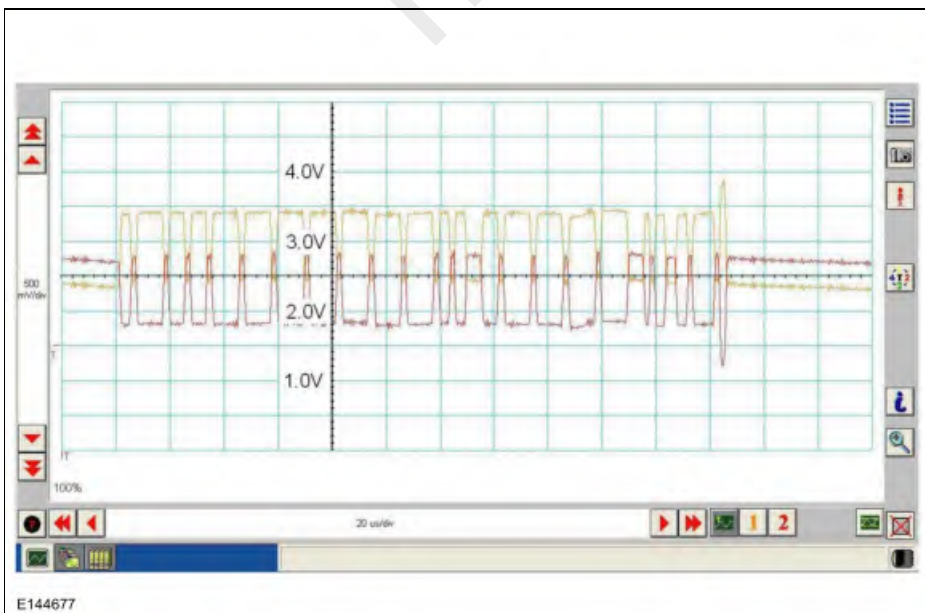
The GWM translates the diagnostic messages from the DIAG 2 to the MS-CAN and vice versa, allowing communication between the modules on the MS-CAN and the diagnostic scan tool.

Controller Area Network (CAN) Fault Tolerance

NOTE: IDS shown, FDRS similar.

NOTE: The oscilloscope traces shown are from the IDS oscilloscope taken using the IDS pre-configured CAN settings. The traces are for both data (+) and data (-) taken simultaneously (2-channel) at a sample rate of 1 mega-sample per second (1MS/s) or greater.

Fault Tolerance Normal Operation

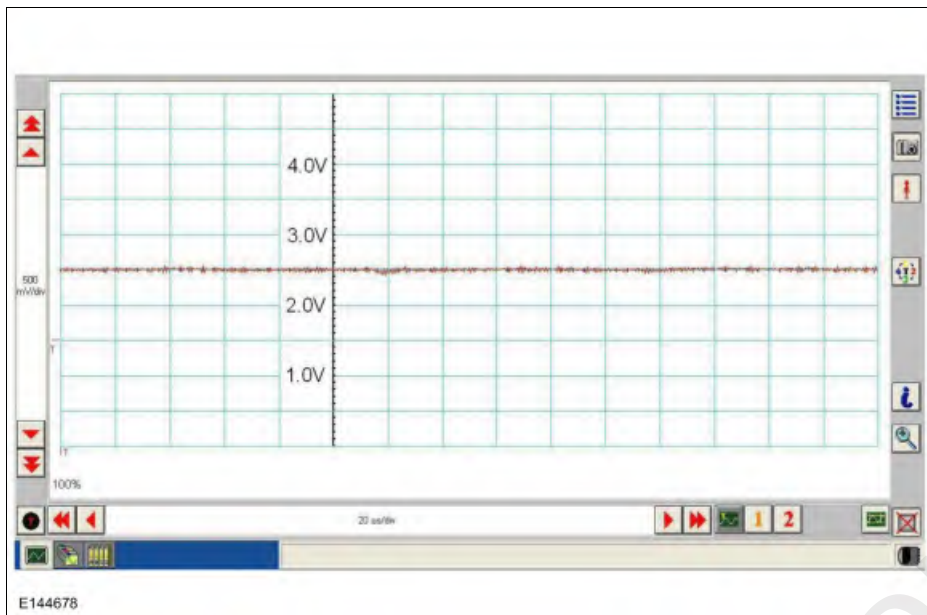


The data (+) and data (-) circuits are each regulated to approximately 2.5 volts during neutral or rested network traffic. As messages are sent on the data (+) circuit, voltage is increased by approximately 1.0 volt. Inversely, the data (-) circuit is reduced by approximately 1.0 volt when a

message is sent.

Successful communication of a message can usually be identified by the slight spike at the end of a message transmission. Any signals that are significantly different than the normal CAN waveform may cause network Diagnostic Trouble Codes (DTCs) (U-codes) to set or may cause a complete network outage.

CAN Circuits Shorted Together



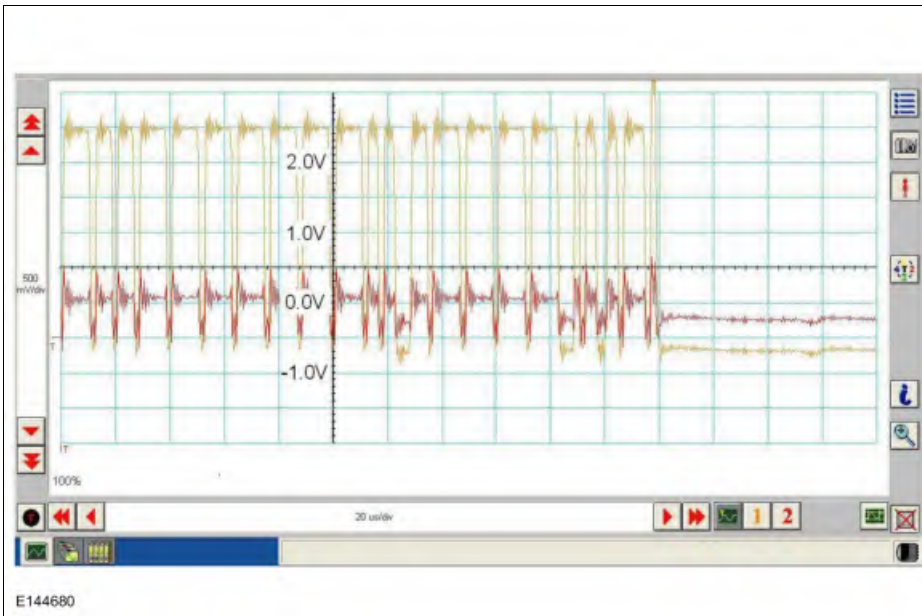
In the event the data (+) and data (-) circuits become shorted together, the signal stays at base voltage (2.5V) continuously and all communication capabilities are lost.

CAN (+) Circuit Shorted to Ground



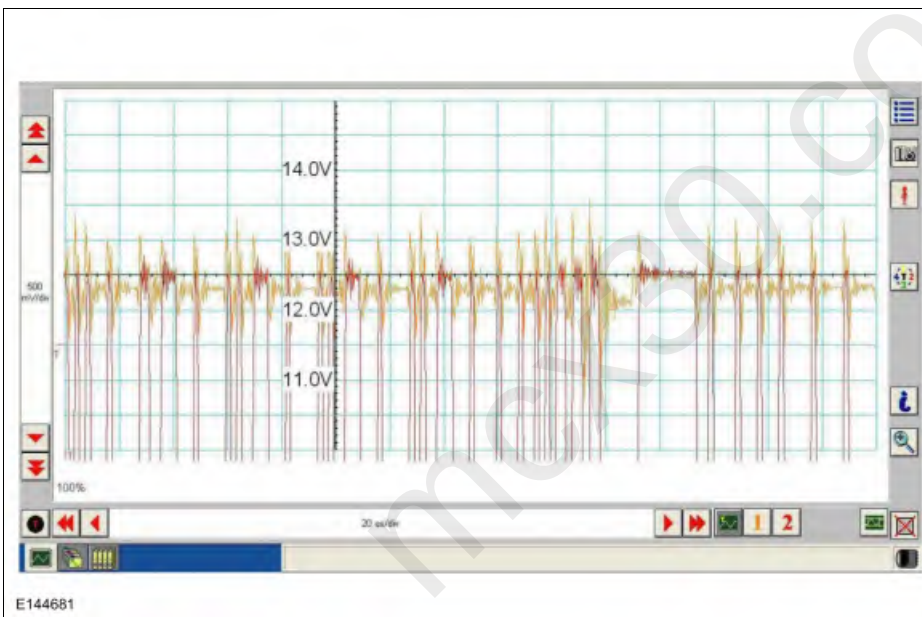
In the event the data (+) circuit becomes shorted to ground, both the data (+) and data (-) circuits are pulled low (0V) and all communication capabilities are lost.

CAN (-) Circuit Shorted to Ground



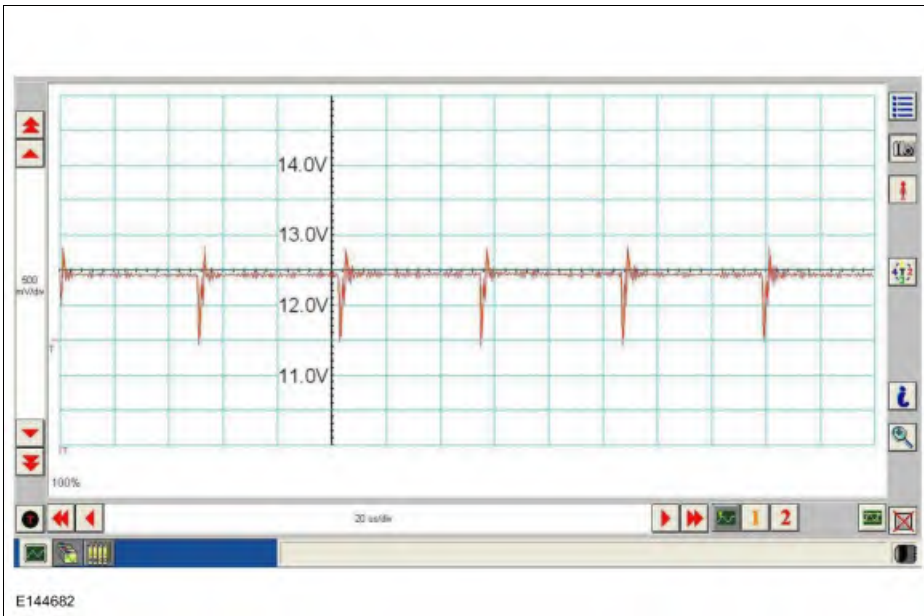
In the event the data (-) circuit becomes shorted to ground, the data (-) circuit is pulled low (0V) and the data (+) circuit reaches near-normal peak voltage (3.0V) during communication but falls to 0V instead of normal base voltage (2.5V). Communication may continue but at a degraded level.

CAN (+) Circuit Shorted to Battery Voltage



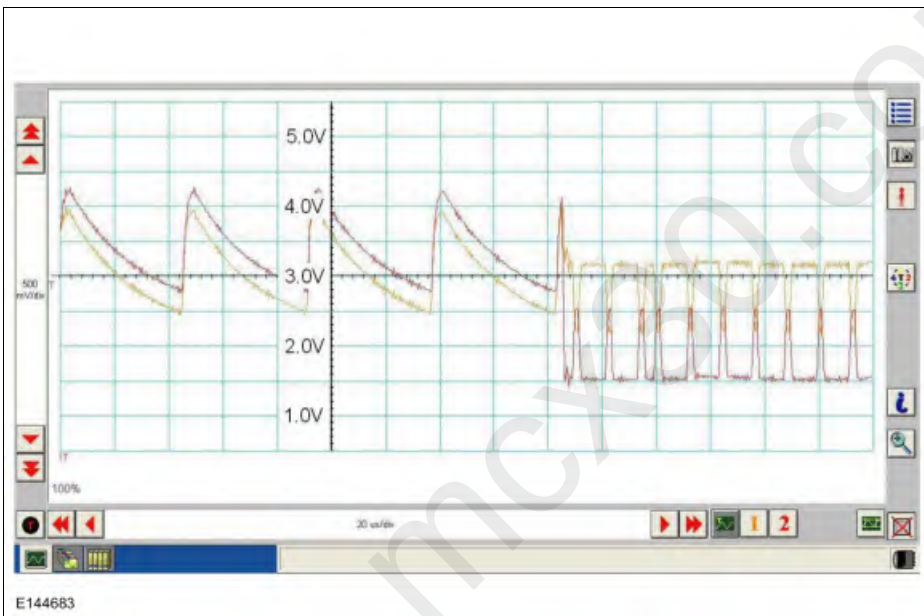
In the event the data (+) circuit becomes shorted to battery voltage, the data (+) circuit is pulled high (12V) and the data (-) circuit falls to abnormally high voltage (above 5V) during communication and reaches battery voltage (12V) for peak voltage. Communication may continue but at a degraded level.

CAN (-) Circuit Shorted to Battery Voltage



In the event the data (-) circuit becomes shorted to battery voltage, both the data (+) and data (-) circuits are pulled high (12V) and all communication capabilities are lost.

CAN Circuit Signal Corruption



Rhythmic oscillations, inductive spikes or random interference can corrupt the network communications. The corruption signal source may be outside electrical interference such as motors or solenoids or internal interference generated from a module on the network. In some cases, an open in either the data (+) or data (-) circuit to a network module may cause the module to emit interference on the one circuit which is still connected. The trace shown is an example of a "sawtooth" pattern transmitted from a module with one open network circuit.

Other corruptions may be present when a module is intermittently powered up and down. The module on power up may initiate communication out of sync with other modules on the network causing momentary communication outages.

Controller Area Network (CAN) Multiplex Messages

The network communication message chart provides a high level description of key network messages for all communication networks on the vehicle. This information can be used to determine which modules are involved in completing a function including display of messages, status updates and commands.

Comparative functional checks can be performed without the use of test equipment to determine if faults exist in GWM data translation and transfer paths. Specifically, this is accomplished by verifying that another feature/function works correctly which uses the same message translation paths through the gateway module as the feature/function in question. The information listed in the communication message chart below provides the key reference information to make this possible.

Example:

The ability of the power running boards to extend when the driver door is opened confirms the ability of the gateway module to successfully

translate messages from the HS-CAN1 to the MS-CAN. If this function is not operating correctly, perform a comparative check for another function that is completed using the same translation path but with different originating and receiving modules. Refer to the comparative example below:

Network Message	Originating Module	Network Type	Receiving Module(s)
Driver door ajar status	BCM	HS-CAN1	• PCM • PAM • GWM
Driver door ajar status	GWM	MS-CAN	• PRB

In this example the path for relaying gear lever position information from the PCM to the DDM is being used for a comparative functional check. The diagnostic scan tool display of the gear lever position information in the DDM was used to verify the functionality of the HS-CAN1 to MS-CAN path.

Network Message	Originating Module	Network Type	Receiving Module(s)
Gear lever position	PCM	HS-CAN1	• BCM • PAM • GWM
Gear lever position	GWM	MS-CAN	• DDM • PDM • DSM • FCIM • PRB • SCMG • SCMH • SODL • SODR

Communication Message Chart

Network Message	Originating Module	Network Type	Receiving Module(s)
4WD lock torque request	ABS module	HS-CAN2	• GWM
4WD lock torque request	GWM	HS-CAN3	• IPC
4WD range	TCCM	HS-CAN2	• GWM • ABS module
4WD range	GWM	HS-CAN1	• PCM • TCM

Network Message	Originating Module	Network Type	Receiving Module(s)
4WD range	GWM	HS-CAN3	• IPC
4WD range	GWM	HS-CAN4	• TCU
4WD service required	TCCM	HS-CAN2	• GWM • ABS module • RCM
4WD service required	GWM	HS-CAN1	• TCM
4WD service required	GWM	HS-CAN3	• IPC
4x2 indicator status	TCCM	HS-CAN2	• GWM
4x2 indicator status	GWM	HS-CAN3	• IPC
4x4 high indicator request	TCCM	HS-CAN2	• GWM
4x4 high indicator request	GWM	HS-CAN3	• IPC
4x4 high/low status	TCCM	HS-CAN2	• GWM
4x4 high/low status	GWM	HS-CAN3	• IPC
4x4 high/low status	GWM	HS-CAN4	• TCU
4x4 low indicator request	TCCM	HS-CAN2	• GWM
4x4 low indicator request	GWM	HS-CAN3	• IPC
A/C clutch status	PCM	HS-CAN1	• GWM • GFM2
A/C clutch status	GWM	HS-CAN3	• IPC
A/C clutch status	GWM	MS-CAN	• FCIM
ABS active	ABS module	HS-CAN2	• IPMA • PSCM • RCM • SASM • TBM • GWM
ABS active	GWM	HS-CAN1	• PAM • PCM • TCM
ABS active	GWM	HS-CAN4	• TCU
ABS fault	ABS module	HS-CAN2	• GWM • TBM
ABS fault	GWM	HS-CAN1	• PCM
ABS fault	GWM	HS-CAN3	• IPC

Network Message	Originating Module	Network Type	Receiving Module(s)
ABS warning indicator request	ABS module	HS-CAN2	- RCM - GWM
ABS warning indicator request	GWM	HS-CAN3	IPC
Accelerator pedal position	PCM	HS-CAN1	- BCM - TCM - GWM
Accelerator pedal position	GWM	HS-CAN3	- ACM - APIM
Accelerator pedal position	GWM	HS-CAN2	- ABS module - IPMA - PSCM - RCM - TCCM
Accelerator pedal position	GWM	MS-CAN	FCIM
Accessory delay	BCM	HS-CAN1	GWM
Accessory delay	GWM	MS-CAN	- DDM - PDM
Accessory delay	GWM	HS-CAN3	- APIM - IPC - WACM
Accessory delay	GWM	HS-CAN2	SASM
Accessory delay	GWM	HS-CAN4	TCU
ACM configuration	ACM	HS-CAN3	- APIM - IPC
ACM track information	ACM	HS-CAN3	- APIM - IPC
Active park assist steering angle control status	PSCM	HS-CAN2	GWM
Active park assist steering angle control status	GWM	HS-CAN4	TCU
Adaptive cruise control brake active	ABS module	HS-CAN2	GWM
Adaptive cruise control brake active	GWM	HS-CAN1	PCM
Adaptive cruise control cancel request	SCCM	HS-CAN2	- IPMA - GWM
Adaptive cruise control cancel request	IPMA	HS-CAN2	GWM
Adaptive cruise control cancel request	GWM	HS-CAN1	PCM
Adaptive cruise control commands	SCCM	HS-CAN2	- IPMA - GWM
Adaptive cruise control commands	GWM	HS-CAN1	PCM

Network Message	Originating Module	Network Type	Receiving Module(s)
Adaptive cruise control deceleration request	IPMA	HS-CAN2	• ABS module • RCM • GWM
Adaptive cruise control deceleration request	GWM	HS-CAN4	• TCU
Adaptive cruise control enable request	IPC	HS-CAN3	• GWM
Adaptive cruise control enable request	GWM	HS-CAN2	• IPMA
Adaptive cruise control engine status	PCM	HS-CAN1	• GWM
Adaptive cruise control engine status	GWM	HS-CAN2	• IPMA
Adaptive cruise control follow mode display	IPMA	HS-CAN2	• GWM
Adaptive cruise control follow mode display	GWM	HS-CAN3	• IPC
Adaptive cruise control forward distance alert	IPMA	HS-CAN2	• GWM
Adaptive cruise control forward distance alert	GWM	HS-CAN3	• IPC
Adaptive cruise control gap distance display	IPMA	HS-CAN2	• GWM
Adaptive cruise control gap distance display	GWM	HS-CAN3	• IPC
Adaptive cruise control gap select	SCCM	HS-CAN2	• IPMA • GWM
Adaptive cruise control gap select	GWM	HS-CAN1	• PCM
Adaptive cruise control message center request	IPMA	HS-CAN2	• GWM
Adaptive cruise control message center request	GWM	HS-CAN3	• IPC
Adaptive cruise control service required	IPMA	HS-CAN2	• GWM
Adaptive cruise control service required	GWM	HS-CAN3	• IPC
Adaptive cruise control set speed request	PCM	HS-CAN1	• GWM
Adaptive cruise control set speed request	GWM	HS-CAN2	• IPMA
Adaptive cruise control warning request	IPMA	HS-CAN2	• GWM
Adaptive cruise control warning request	GWM	HS-CAN3	• IPC
Adaptive steering adaptive cruise control switch request	SASM	HS-CAN2	• SCCM
Adaptive steering cruise control switch request	SASM	HS-CAN2	• SCCM
Adaptive steering message center request	SASM	HS-CAN3	• GWM
Adaptive steering message center request	GWM	HS-CAN3	• IPC

Network Message	Originating Module	Network Type	Receiving Module(s)
Air ambient temperature	PCM	HS-CAN1	• BCM • TCM • GWM
Air ambient temperature	GWM	MS2-CAN	• GFM
Airbag deployment status	RCM	HS-CAN2	• GWM
Airbag deployment status	GWM	HS-CAN1	• APIM
Airbag deployment status	GWM	HS-CAN3	• ACM
Airbag deployment status	GWM	HS-CAN4	• TCU
Airbag warning indicator request	RCM	HS-CAN2	• GWM
Airbag warning indicator request	GWM	HS-CAN3	• IPC
Airbag warning indicator request	GWM	HS-CAN1	• GFM2
Airbag warning indicator request	GWM	HS-CAN4	• TCU
Ambient air temperature	PCM	HS-CAN1	• BCM • PAM • GFM2 • GWM
Ambient air temperature	GWM	MS-CAN	• FCIM
Ambient air temperature	GWM	HS-CAN3	• IPC
Ambient air temperature	GWM	HS-CAN2	• ABS module • SCCM • TCCM
Ambient air temperature filtered	PCM	HS-CAN1	• BCM • PAM • GWM
Ambient air temperature filtered	GWM	MS-CAN	• FCIM
Ambient air temperature filtered	GWM	HS-CAN2	• IPMA
Ambient air temperature filtered	GWM	HS-CAN3	• IPC
Ambient light sensor	SCCM	HS-CAN2	• GWM
Ambient light sensor	GWM	HS-CAN1	• BCM
Ambient lighting color/intensity request	APIM	HS-CAN3	• GWM
Ambient lighting color/intensity request	GWM	HS-CAN1	• BCM
Audio chime status	ACM	HS-CAN3	• IPC • DSP
Audio front control module alert	ACM	HS-CAN3	• IPC

Network Message	Originating Module	Network Type	Receiving Module(s)
Audio settings	IPC	HS-CAN3	• ACM • APIM
Audio source select	IPC	HS-CAN3	• APIM
Audio system response status	ACM	HS-CAN3	• APIM • DSP • IPC • GWM
Audio system response status	GWM	MS-CAN	• FCIM
Audio volume	ACM	HS-CAN3	• APIM • IPC
Auto high beam status display	IPMA	HS-CAN2	• GWM
Auto high beam status display	GWM	HS-CAN3	• IPC
Auto movement cancel	DSM	MS-CAN	• DDM • PDM • SCMG
Auto Regen message display	PCM	HS-CAN1	• GWM
Auto Regen message display	GWM	HS-CAN3	• IPC
Auto regeneration request	IPC	HS-CAN3	• GWM
Auto regeneration request	GWM	HS-CAN1	• PCM
Backlit LED status	BCM	HS-CAN1	• GWM
Backlit LED status	GWM	HS-CAN3	• APIM • WACM
Backlit LED status	GWM	HS-CAN2	• TBM
Backlit LED status	GWM	MS-CAN	• DDM • PDM • FCIM
Battery low state of charge	BCM	HS-CAN1	• GWM
Battery low state of charge	GWM	MS-CAN	• FCIM • TRM
Battery low state of charge	GWM	HS-CAN3	• IPC
Battery saver status	BCM	HS-CAN1	• GWM
Battery saver status	GWM	MS-CAN	• DDM • PDM
Battery saver status	GWM	HS-CAN3	• ACM • DSP

Network Message	Originating Module	Network Type	Receiving Module(s)
BLIS LED status driver side	DDM	MS-CAN	• SODL • SODR
BLIS LED status passenger side	PDM	MS-CAN	• SODL • SODR
BLIS trailer tow left status	SODL	MS-CAN	• SODR • GWM
BLIS trailer tow left status	GWM	HS-CAN3	• IPC
BLIS trailer tow right status	SODR	MS-CAN	• SODL • GWM
BLIS trailer tow right status	GWM	HS-CAN3	• IPC
Body service required	BCM	HS-CAN1	• GWM
Body service required	GWM	HS-CAN3	• IPC
Brake (red) warning indicator request	ABS module	HS-CAN2	• RCM • GWM
Brake (red) warning indicator request	GWM	HS-CAN3	• IPC
Brake chime request	ABS module	HS-CAN2	• GWM
Brake chime request	GWM	HS-CAN3	• IPC
Brake fluid level low message request	BCM	HS-CAN1	• GWM
Brake fluid level low message request	GWM	HS-CAN3	• IPC
Brake pedal applied	PCM	HS-CAN1	• TCM • GWM
Brake pedal applied	GWM	HS-CAN2	• ABS module • IPMA • PSCM • RCM • TBM • TCCM
Brake pedal applied	GWM	HS-CAN3	• APIM • IPC
Brake pedal applied message request	PCM	HS-CAN1	• GWM
Brake pedal applied message request	GWM	HS-CAN2	• IPC
Brake pedal movement	ABS module	HS-CAN2	• GWM
Brake pedal movement	GWM	HS-CAN1	• PCM
Brake warning indicator request	BCM	HS-CAN1	• GWM
Brake warning indicator request	GWM	HS-CAN3	• IPC

Network Message	Originating Module	Network Type	Receiving Module(s)
Camera front display status	IPMB	HS-CAN2	• GWM
Camera front display status	GWM	HS-CAN3	• APIM • IPC
Camera settings	BCM	HS-CAN1	• GWM
Camera settings	GWM	HS-CAN3	• APIM • IPC
Camera status	IPMA	HS-CAN2	• GWM
Camera status	GWM	HS-CAN3	• IPC
CD load/eject	ACM	HS-CAN3	• APIM
Center stack display configuration	APIM	HS-CAN1	• BCM • GWM
Center stack display configuration	GWM	HS-CAN3	• IPC
Center stack display configuration	GWM	HS-CAN2	• IPMA • IPMB • SCCM
Center stack display configuration	GWM	MS-CAN	• DDM • DSM • FCIM • SCMG • SCMH
Chime active	ACM	HS-CAN3	• DSP
Chime controls	IPC	HS-CAN3	• ACM • DSP
Chime module power up	IPC	HS-CAN3	• ACM • DSP
Chime source	IPC	HS-CAN3	• ACM • DSP
Climate control button status	FCIM	MS-CAN	• GWM
Climate control button status	GWM	HS-CAN3	• APIM • IPC
Climate control seat settings request	FCIM	MS-CAN	• SCME
Climate control seat settings status	SCME	MS-CAN	• FCIM
Climate control temperature display	FCIM	MS-CAN	• GWM
Climate control temperature display	GWM	HS-CAN3	• APIM • IPC
Clutch pedal position	PCM	HS-CAN1	• GWM

Network Message	Originating Module	Network Type	Receiving Module(s)
Clutch pedal position	GWM	HS-CAN2	• ABS module • TCCM
Clutch pedal position	GWM	HS-CAN3	• IPC
Collision mitigation brake precharge request	IPMA	HS-CAN2	• ABS module • RCM • GWM
Collision mitigation brake precharge request	GWM	HS-CAN4	• TCU
Collision mitigation by braking event status display	IPMA	HS-CAN2	• GWM
Collision mitigation by braking event status display	GWM	HS-CAN3	• IPC
Compass direction (with touchscreen)	APIM	HS-CAN3	• IPC
Crash event status	BCM	HS-CAN1	• GFM2 • GWM
Crash event status	GWM	MS-CAN	• FCIM
CTA chime request	IPC	HS-CAN3	• GWM
CTA chime request	GWM	HS-CAN4	• TCU
CTA chime request	GWM	MS-CAN	• SODL • SODR
CTA left status	SODL	MS-CAN	• DDM • PDM • GWM
CTA left status	GWM	HS-CAN3	• IPC
CTA right status	SODR	MS-CAN	• DDM • PDM • GWM
CTA right status	GWM	HS-CAN3	• IPC
CTA left sensor status	SODL	MS-CAN	• SODR • GWM
CTA left sensor status	GWM	HS-CAN3	• IPC
CTA right sensor status	SODR	MS-CAN	• SODL • GWM
CTA right sensor status	GWM	HS-CAN3	• IPC
Cruise control mode	PCM	HS-CAN1	• GFM2 • TCM • GWM
Cruise control mode	GWM	HS-CAN2	• ABS module

Network Message	Originating Module	Network Type	Receiving Module(s)
Cruise control override	PCM	HS-CAN1	• TCM • GWM
Cruise control override	GWM	HS-CAN2	• ABS module • IPMA • RCM • TCCM
Cruise control override	GWM	HS-CAN3	• IPC
Cruise control set speed display	PCM	HS-CAN1	• GWM
Cruise control set speed display	GWM	HS-CAN3	• IPC
Cruise control status	PCM	HS-CAN1	• TCM • GWM
Cruise control status	GWM	HS-CAN2	• ABS module • IPMA • RCM
Cruise control status	GWM	HS-CAN3	• IPC
Cruise control switch commands	SCCM	HS-CAN2	• IPMA • GWM
Cruise control switch commands	GWM	HS-CAN1	• PCM
Date/time display	APIM	HS-CAN3	• DSP • IPC
Date/time settings	APIM	HS-CAN3	• IPC
Day/night status	BCM	HS-CAN1	• PAM • PCM • GWM
Day/night status	GWM	HS-CAN3	• IPC • ACM • APIM
Day/night status	GWM	MS-CAN	• DDM • FCIM • PDM
Day/night status	GWM	HS-CAN2	• IPMA • RCM
DRL on status	BCM	HS-CAN1	• GWM
DRL on status	GWM	HS-CAN3	• IPC
Delayed accessory	BCM	HS-CAN2	• GWM
Delayed accessory	GWM	HS-CAN3	• IPC • APIM
Diesel engine power message display	PCM	HS-CAN1	• GWM

Network Message	Originating Module	Network Type	Receiving Module(s)
Diesel engine power message display	GWM	HS-CAN3	• IPC
Diesel exhaust fluid contaminated	PCM	HS-CAN1	• GWM
Diesel exhaust fluid contaminated	GWM	HS-CAN3	• IPC
Diesel exhaust fluid level indicator	PCM	HS-CAN1	• GWM
Diesel exhaust fluid level indicator	GWM	HS-CAN3	• IPC
Diesel exhaust fluid level range indicator	PCM	HS-CAN1	• GWM
Diesel exhaust fluid level range indicator	GWM	HS-CAN3	• IPC
Diesel exhaust fluid message display	PCM	HS-CAN1	• GWM
Diesel exhaust fluid message display	GWM	HS-CAN3	• IPC
Diesel exhaust fluid warning indicator	PCM	HS-CAN1	• GWM
Diesel exhaust fluid warning indicator	GWM	HS-CAN3	• IPC
Diesel particulate filter message display	PCM	HS-CAN1	• GWM
Diesel particulate filter message display	GWM	HS-CAN3	• IPC
Diesel particulate filter regen	PCM	HS-CAN1	• GWM
Diesel particulate filter regen	GWM	HS-CAN3	• IPC
Display language request	APIM	HS-CAN3	• IPC
Display language request	GWM	HS-CAN4	• TCU
Display speed offset data	IPC	HS-CAN3	• GWM
Display speed offset data	GWM	HS-CAN1	• PCM
Do not disturb override status	IPC	HS-CAN3	• APIM
Drive mode select steering status	PSCM	HS-CAN2	• ABS module • GWM
Drive mode select steering status	GWM	HS-CAN4	• TCU
Driver door ajar status	BCM	HS-CAN1	• PAM • PCM • GFM2 • GWM
Driver door ajar status	GWM	HS-CAN3	• ACM • APIM • IPC • WACM

Network Message	Originating Module	Network Type	Receiving Module(s)
Driver door ajar status	GWM	HS-CAN2	• ABS module • IPMA • IPMB • SASM • TCCM
Driver door ajar status	GWM	HS-CAN4	• TCU
Driver door ajar status	GWM	MS-CAN	• DDM • PDM • RBM
Driver door lock switch status	DDM	MS-CAN	• GWM
Driver door lock switch status	GWM	HS-CAN1	• BCM
Driver seat belt buckle status	RCM	HS-CAN2	• ABS module • IPMA • GWM
Driver seat belt buckle status	GWM	HS-CAN3	• IPC
Driver seat belt buckle status	GWM	HS-CAN1	• APIM • BCM • PCM • GFM2
Driver set temperature	APIM	HS-CAN3	• GWM
Driver set temperature	GWM	MS-CAN	• FCIM
Driver window status	DDM	MS-CAN	• GWM
Driver window status	GWM	HS-CAN1	• PCM
DSP chime request	DSP	HS-CAN3	• IPC • APIM
DSP volume status	DSP	HS-CAN3	• APIM
Easy entry/easy exit request	DSM	MS-CAN	• SCMG • SCMH
eCall confirmation	APIM	HS-CAN1	• BCM • GWM
eCall confirmation	GWM	HS-CAN2	• RCM
eCall confirmation	GWM	HS-CAN4	• TCU
eCall notification	RCM	HS-CAN2	• GWM
eCall notification	GWM	HS-CAN1	• APIM
eCall notification	GWM	HS-CAN4	• TCU
Emergency assist override status	IPC	HS-CAN3	• APIM

Network Message	Originating Module	Network Type	Receiving Module(s)
Emergency brake lamp request	ABS module	HS-CAN2	GWM
Emergency brake lamp request	GWM	HS-CAN1	BCM
Exhaust auto exhaust brake indicator request	PCM	HS-CAN1	GWM
Exhaust auto exhaust brake indicator request	GWM	HS-CAN3	IPC
Engine coolant temperature data	PCM	HS-CAN1	- BCM - GFM2 - TCM - GWM
Engine coolant temperature data	GWM	MS-CAN	FCIM
Engine coolant temperature data	GWM	HS-CAN3	IPC
Engine coolant temperature data	GWM	HS-CAN4	TCU
Engine exhaust brake indicator request	PCM	HS-CAN1	GWM
Engine exhaust brake indicator request	GWM	HS-CAN3	IPC
Engine exhaust brake mode	PCM	HS-CAN1	GWM
Engine exhaust brake mode	GWM	HS-CAN3	IPC
Engine idle shutdown message request	PCM	HS-CAN1	GWM
Engine idle shutdown message request	GWM	HS-CAN3	IPC
Engine idle shutdown request	IPC	HS-CAN3	GWM
Engine idle shutdown request	GWM	HS-CAN1	PCM
Engine idle shutdown status	PCM	HS-CAN1	- BCM - GWM
Engine idle shutdown status	GWM	HS-CAN3	IPC
Engine idle shutdown status	GWM	HS-CAN4	TCU
Engine off status	BCM	HS-CAN1	- PCM - TCM - GWM
Engine off status	PCM	HS-CAN1	GWM
Engine off status	GWM	HS-CAN3	IPC
Engine oil life	PCM	HS-CAN1	GWM
Engine oil life	GWM	HS-CAN3	IPC
Engine oil life	GWM	HS-CAN4	TCU
Engine oil life data reset	IPC	HS-CAN3	GWM

Network Message	Originating Module	Network Type	Receiving Module(s)
Engine oil life data reset	GWM	HS-CAN1	PCM
Engine oil temperature data	PCM	HS-CAN1	GWM
Engine oil temperature data	GWM	HS-CAN3	IPC
Engine overheat indication request	PCM	HS-CAN1	GWM
Engine overheat indication request	GWM	HS-CAN3	IPC
Engine RPM data	PCM	HS-CAN1	- BCM - TCM - GFM2 - GWM
Engine RPM data	GWM	HS-CAN2	- ABS module - PSCM - RCM - TCCM
Engine RPM data	GWM	HS-CAN3	- DSP - IPC
Engine RPM data	GWM	HS-CAN4	TCU
Engine RPM data	GWM	MS-CAN	FCIM
Engine service required	PCM	HS-CAN1	GWM
Engine service required	GWM	HS-CAN3	IPC
Engine service required	GWM	HS-CAN2	RCM
Engine status	PCM	HS-CAN1	- BCM - GFM2 - GWM
Engine status	GWM	HS-CAN3	- ACM - APIM - DSP
Engine status	GWM	HS-CAN2	ABS module
Engine status	GWM	MS-CAN	FCIM
English/metric mode	IPC	HS-CAN3	GWM
English/metric mode	GWM	MS-CAN	FCIM
English/metric mode	GWM	HS-CAN1	PCM
EPAS effort status	PSCM	HS-CAN2	GWM
EPAS effort status	GWM	HS-CAN1	BCM
EPAS effort status	GWM	HS-CAN4	TCU

Network Message	Originating Module	Network Type	Receiving Module(s)
Factory mode	BCM	HS-CAN1	• PAM • PCM • TCM • GWM
Factory mode	GWM	HS-CAN2	• ABS module • IPMA • SASM
Factory mode	GWM	MS-CAN	• DDM • FCIM • HSWM • PDM • RTM • TRM
Factory mode	GWM	HS-CAN3	• ACM • IPC • WACM
Factory mode	GWM	HS-CAN4	• TCU
FCIM button state	FCIM	MS-CAN	• GWM
FCIM button state	GWM	HS-CAN3	• APIM
Folder/track information request	APIM	HS-CAN3	• ACM
Forward collision chime request	IPMA	HS-CAN2	• GWM
Forward collision chime request	GWM	HS-CAN3	• IPC
Forward collision warning message request	IPMA	HS-CAN2	• GWM
Forward collision warning message request	GWM	HS-CAN3	• IPC
Front blower speed	APIM	HS-CAN3	• GWM
Front blower speed	GWM	MS-CAN	• FCIM
Front fog lamp indicator request	BCM	HS-CAN1	• GWM
Front fog lamp indicator request	GWM	HS-CAN3	• IPC
Front park aid request	IPC	HS-CAN3	• GWM
Front park aid request	GWM	HS-CAN1	• PAM
Front wiper status	SCCM	HS-CAN2	• IPMA • GWM
Front wiper status	GWM	MS-CAN	• FCIM • SODL • SODR
Front wiper status	GWM	HS-CAN1	• BCM • PCM

Network Message	Originating Module	Network Type	Receiving Module(s)
Front wiper status	GWM	HS-CAN3	• APIM
Fuel alcohol percent	PCM	HS-CAN1	• GWM
Fuel alcohol percent	GWM	HS-CAN3	• IPC
Fuel fill inlet message display	PCM	HS-CAN1	• GWM
Fuel fill inlet message display	GWM	HS-CAN3	• IPC
Fuel filter lamp request	PCM	HS-CAN1	• GWM
Fuel filter lamp request	GWM	HS-CAN3	• IPC
Fuel flow volume display	PCM	HS-CAN1	• GWM
Fuel flow volume display	GWM	HS-CAN3	• IPC • APIM
Fuel flow volume display	GWM	HS-CAN4	• TCU
Fuel level active side	IPC	HS-CAN3	• GWM
Fuel level active side	GWM	HS-CAN1	• PCM
Fuel level passive side	IPC	HS-CAN3	• GWM
Fuel level passive side	GWM	HS-CAN1	• PCM
Fuel level percentage display	IPC	HS-CAN3	• APIM • GWM
Fuel level percentage display	GWM	HS-CAN1	• PCM • GFM2
Fuel level percentage display	GWM	HS-CAN4	• TCU
Fuel sensor number	IPC	HS-CAN3	• GWM
Fuel sensor number	GWM	HS-CAN1	• PCM
Gear lever position (diesel)	TCM	HS-CAN1	• PCM
Gear lever position	PCM	HS-CAN1	• BCM • PAM • PCM • GWM
Gear lever position	GWM	HS-CAN2	• ABS module • IPMA • IPMB • RCM • SASM • SCCM • TCCM
Gear lever position	GWM	HS-CAN3	• IPC

Network Message	Originating Module	Network Type	Receiving Module(s)
Gear lever position	GWM	MS-CAN	• DDM • PDM • DSM • FCIM • RBM • SCMG • SCMH • SODL • SODR
Glow indication	PCM	HS-CAN1	• GWM
Glow indication	GWM	HS-CAN3	• IPC
HUD active	HUD module	HS-CAN2	• IPMA • GWM
HUD active	GWM	HS-CAN3	• IPC
HUD fault	HUD module	HS-CAN2	• IPMA • GWM
HUD fault	GWM	HS-CAN3	• IPC
HUD flash command	IPMA	HS-CAN2	• HUD module
HUD flash rate	IPMA	HS-CAN2	• HUD module • IPMA
Headlamp flash-to-pass status	SCCM	HS-CAN2	• IPMA • GWM
Headlamp flash-to-pass status	GWM	HS-CAN1	• BCM
Headlamp high beam status	BCM	HS-CAN1	• PCM • GWM
Headlamp high beam status	GWM	HS-CAN2	• IPMA
Headlamp high beam status	GWM	HS-CAN3	• IPC • APIM
Headlamp on warning chime	BCM	HS-CAN1	• GWM
Headlamp on warning chime	GWM	HS-CAN3	• IPC
Headlamp switch status	BCM	HS-CAN1	• GWM
Headlamp switch status	GWM	HS-CAN2	• IPMA
Headlamp switch status	GWM	HS-CAN3	• IPC
Hill descent message request	ABS module	HS-CAN2	• GWM
Hill descent message request	GWM	HS-CAN3	• IPC
Hill descent mode	ABS module	HS-CAN2	• GWM

Network Message	Originating Module	Network Type	Receiving Module(s)
Hill descent mode	GWM	HS-CAN1	• PCM
Hill descent mode	GWM	HS-CAN3	• IPC
Hill start assist display	ABS module	HS-CAN2	• GWM
Hill start assist display	GWM	HS-CAN3	• IPC
Hill start assist mode request	IPC	HS-CAN3	• GWM
Hill start assist mode request	GWM	HS-CAN2	• ABS module
Hill start assist status	ABS module	HS-CAN2	• GWM
Hill start assist status	GWM	HS-CAN1	• PCM
Hill start assist status	GWM	HS-CAN3	• IPC
Home safe chime request	BCM	HS-CAN1	• GWM
Home safe chime request	GWM	HS-CAN3	• IPC
Home safe lamp indicator request	BCM	HS-CAN1	• GWM
Home safe lamp indicator request	GWM	HS-CAN3	• IPC
Hood ajar status	BCM	HS-CAN1	• GFM2 • GWM
Hood ajar status	GWM	HS-CAN3	• IPC
Hood ajar status	GWM	HS-CAN4	• TCU
HUD bulb check status	IPC	HS-CAN3	• GWM
HUD bulb check status	GWM	HS-CAN2	• HUD module
HVAC A/C request	FCIM	MS-CAN	• GWM
HVAC A/C request	GWM	HS-CAN1	• PCM • GFM2
HVAC evaporator temperature request	FCIM	MS-CAN	• GWM
HVAC evaporator temperature request	GWM	HS-CAN1	• PCM
HVAC front blower indicator	FCIM	MS-CAN	• GWM
HVAC front blower indicator	GWM	HS-CAN3	• APIM • IPC
HVAC front blower speed	APIM	HS-CAN3	• GWM
HVAC front blower speed	GWM	MS-CAN	• FCIM
HVAC front/rear blower status	FCIM	MS-CAN	• GWM

Network Message	Originating Module	Network Type	Receiving Module(s)
HVAC front/rear blower status	GWM	HS-CAN1	• BCM
Ignition key type	BCM	HS-CAN1	• PAM • PCM • GWM
Ignition key type	GWM	HS-CAN3	• ACM • APIM • DSP
Ignition key type	GWM	MS-CAN	• SODL • SODR
Ignition key type	GWM	HS-CAN2	• IPMA
Ignition status	BCM	HS-CAN1	• GFM2 • PAM • PCM • TCM • GWM
Ignition status	GWM	MS-CAN	• DDM • DSM • FCIM • HSWM • PDM • RBM • RTM • SCMG • SCMH • SODL • SODR • TRM
Ignition status	GWM	HS-CAN2	• ABS module • HUD module • IPMA • PSCM • RCM • SCCM • TBM • TCCM
Ignition status	GWM	HS-CAN3	• ACM • APIM • DSP • IPC • WACM
Ignition status	GWM	HS-CAN4	• TCU
Illumination dimming level	BCM	HS-CAN1	• GWM
Illumination dimming level	GWM	MS-CAN	• DDM • PDM • FCIM

Network Message	Originating Module	Network Type	Receiving Module(s)
Illumination dimming level	GWM	HS-CAN3	• IPC • ACM • APIM • WACM
Immobilizer message display	BCM	HS-CAN1	• GWM
Immobilizer message display	GWM	HS-CAN3	• IPC
Input controller interface button data	SCCM	HS-CAN2	• GWM
Input controller interface button data (with adaptive steering)	SASM	HS-CAN2	• GWM
Input controller interface button data	FCIM	MS-CAN	• GWM
Input controller interface button data	GWM	HS-CAN3	• IPC • APIM
IPC chime request	IPC	HS-CAN3	• ACM • DSP
Key-in-ignition status	BCM	HS-CAN1	• GWM
Key-in-ignition status	GWM	MS-CAN	• DSM • RTM • SCMH • SCMG
Key-in-ignition status	GWM	HS-CAN3	• IPC • DSP • WACM
Key-in-ignition indicator status	BCM	HS-CAN1	• GWM
Key-in-ignition indicator status	GWM	HS-CAN3	• IPC
Keypad factory code status	BCM	HS-CAN1	• GWM
Keypad factory code status	GWM	HS-CAN3	• IPC
Lane departure warning request	IPMA	HS-CAN2	• PSCM • SASM • GWM
Lane departure warning request	GWM	HS-CAN3	• IPC
Lane keeping alert request	IPMA	HS-CAN2	• PSCM • GWM
Lane keeping alert request	GWM	HS-CAN3	• IPC
Lane keeping alert request	GWM	HS-CAN4	• TCU
Lane keeping alert warning chime request	IPMA	HS-CAN2	• GWM
Lane keeping alert warning chime request	GWM	HS-CAN3	• IPC
Lane keeping assist hands off	PSCM	HS-CAN2	• GWM

Network Message	Originating Module	Network Type	Receiving Module(s)
Lane keeping assist hands off	GWM	HS-CAN4	TCU
Lane keeping system available	PSCM	HS-CAN2	- IPMA - GWM
Lane keeping system available	GWM	HS-CAN4	TCU
Lane keeping system message request	IPMA	HS-CAN2	GWM
Lane keeping system message request	GWM	HS-CAN3	IPC
Lane keeping system status display	IPMA	HS-CAN2	GWM
Lane keeping system status display	GWM	HS-CAN3	IPC
Lane keeping system status display	GWM	HS-CAN4	TCU
Lane keeping system switch status	IPMA	HS-CAN2	GWM
Lane keeping system switch status	GWM	HS-CAN3	IPC
Language selection	IPC	HS-CAN3	APIM
Language update status	IPC	HS-CAN3	APIM
Left rear door ajar status	BCM	HS-CAN1	- GFM2 - PAM - GWM
Left rear door ajar status	GWM	HS-CAN2	- ABS module - IPMB
Left rear door ajar status	GWM	MS-CAN	- DDM - PDM - RBM
Left rear door ajar status	GWM	HS-CAN3	- APIM - IPC - WACM
Left rear door ajar status	GWM	HS-CAN4	TCU
Left turn lamp on request	BCM	HS-CAN1	GWM
Left turn lamp on request	GWM	HS-CAN3	- ACM - DSP - IPC - WACM
Left turn lamp request	BCM	HS-CAN1	GWM
Left turn lamp request	GWM	MS-CAN	- DDM - PDM - TRM
Left turn lamp request	GWM	HS-CAN2	- IPMA - SCCM

Network Message	Originating Module	Network Type	Receiving Module(s)
Lock system message request	BCM	HS-CAN1	GWM
Lock system message request	GWM	HS-CAN3	IPC
Manual Regen message display	PCM	HS-CAN1	GWM
Manual Regen message display	GWM	HS-CAN3	IPC
Manual regeneration request	IPC	HS-CAN3	GWM
Manual regeneration request	GWM	HS-CAN1	PCM
Memory command	DSM	MS-CAN	- DDM - PDM - SCMG - SCMH - GWM
Memory command	GWM	HS-CAN3	IPC
Memory feedback request	DSM	MS-CAN	GWM
Memory feedback request	GWM	HS-CAN3	IPC
Memory seat switch request	DSM	MS-CAN	GWM
Memory seat switch request	GWM	HS-CAN1	BCM
Memory seat switch status	DDM	MS-CAN	DSM
Message center display	IPC	HS-CAN3	GWM
Message center display	GWM	HS-CAN2	- IPMA - IPMB - SCCM
Message center display	GWM	HS-CAN1	BCM
Message center display	GWM	MS-CAN	- DDM - DSM - FCIM
Message center feature configuration	IPC	HS-CAN3	GWM
Message center feature configuration	GWM	HS-CAN2	- IPMA - IPMB - SCCM
Message center feature configuration	GWM	HS-CAN1	BCM
Message center feature configuration	GWM	MS-CAN	- DDM - DSM - FCIM
MIL request	PCM	HS-CAN1	- BCM - GFM2 - GWM

Network Message	Originating Module	Network Type	Receiving Module(s)
MIL request	GWM	HS-CAN3	• IPC
MIL request	GWM	HS-CAN2	• RCM
Mirror heat on request	FCIM	MS-CAN	• DDM • PDM
Mirror manual override	DDM	MS-CAN	• DSM
Multi-contour seat massage settings - driver	SCMG	MS-CAN	• GWM
Multi-contour seat massage settings - driver	GWM	HS-CAN3	• APIM
Multi-contour seat massage settings - passenger	SCMH	MS-CAN	• GWM
Multi-contour seat massage settings - passenger	GWM	HS-CAN3	• APIM
Multi-contour seat passenger status	SCMH	MS-CAN	• GWM
Multi-contour seat passenger status	GWM	HS-CAN3	• APIM
Multi-contour seat setting requests	APIM	HS-CAN3	• GWM
Multi-contour seat setting requests	GWM	MS-CAN	• SCMG • SCMH
MyKeyâ Belt-Minderâ audio mute	IPC	HS-CAN3	• ACM • DSP • APIM
MyKey change key type request	IPC	HS-CAN3	• GWM
MyKey change key type request	GWM	HS-CAN1	• BCM
MyKey code status	BCM	HS-CAN1	• GWM
MyKey code status	GWM	HS-CAN3	• IPC
MyKey volume limit status	ACM	HS-CAN3	• APIM
Navigation information	APIM	HS-CAN3	• IPC
Odometer count	PCM	HS-CAN1	• GWM
Odometer count	GWM	HS-CAN3	• IPC • APIM
Odometer master value	IPC	HS-CAN3	• APIM • GWM
Odometer master value	GWM	HS-CAN2	• IPMA • PSCM • SASM
Odometer master value	GWM	HS-CAN1	• BCM • PCM • GFM2 • TCM

Network Message	Originating Module	Network Type	Receiving Module(s)
Odometer master value	GWM	HS-CAN4	TCU
Odometer trip programming data	IPC	HS-CAN3	GWM
Odometer trip programming data	GWM	HS-CAN1	PCM
Oil pressure warning indicator request	PCM	HS-CAN1	- GFM2 - GWM
Oil pressure warning indicator request	GWM	HS-CAN3	IPC
Outside air temperature	FCIM	MS-CAN	- DDM - PDM - GWM
Outside air temperature	GWM	HS-CAN3	- IPC - APIM - DSP
Outside air temperature	GWM	HS-CAN1	- PAM - PCM
Outside air temperature	GWM	HS-CAN2	- IPMA - PSCM
Park assist chime request	PAM	HS-CAN1	GWM
Park assist chime request	GWM	HS-CAN3	IPC
Park assist mode request	APIM	HS-CAN3	GWM
Park assist mode request	GWM	HS-CAN1	PAM
Park detect status	IPC	HS-CAN3	GWM
Park detect status	GWM	HS-CAN1	BCM
Park lamp status	BCM	HS-CAN1	GWM
Park lamp status	GWM	HS-CAN3	- APIM - IPC - WACM
Park lamp status	GWM	MS-CAN	- DDM - FCIM - PDM - SODL - SODR - TRM
Park light status	BCM	HS-CAN1	GWM
Park light status	GWM	MS-CAN	TRM
Parking aid audio mute request	PAM	HS-CAN1	GWM
Parking aid audio mute request	GWM	HS-CAN3	- IPC - APIM

Network Message	Originating Module	Network Type	Receiving Module(s)
Parking aid chime request	PAM	HS-CAN1	GWM
Parking aid chime request	GWM	HS-CAN3	- IPC - APIM
Parking aid chime status	PAM	HS-CAN1	GWM
Parking aid chime status	GWM	HS-CAN3	- IPC - APIM
Parking aid fault status	PAM	HS-CAN1	- BCM - GWM
Parking aid fault status	GWM	HS-CAN3	- IPC - APIM
Parking aid front status	PAM	HS-CAN1	GWM
Parking aid front status	GWM	HS-CAN3	- IPC - APIM
Parking aid message center data	PAM	HS-CAN1	GWM
Parking aid message center data	GWM	HS-CAN3	- IPC - APIM
Parking aid message center data	GWM	HS-CAN2	IPMB
Parking aid rear status	PAM	HS-CAN1	GWM
Parking aid rear status	GWM	HS-CAN3	- IPC - APIM
Parking aid sensor data	PAM	HS-CAN1	GWM
Parking aid sensor data	GWM	HS-CAN2	IPMB
Parking aid sensor data	GWM	HS-CAN3	- APIM - IPC
Parking aid switch status	PAM	HS-CAN1	GWM
Parking aid switch status	GWM	HS-CAN3	- APIM - IPC
Parking brake active status	BCM	HS-CAN1	- PAM - PCM - GWM
Parking brake active status	GWM	HS-CAN2	- ABS module - TCCM
Parking brake active status	GWM	HS-CAN3	- APIM - IPC - WACM
Parking brake active status	GWM	HS-CAN4	TCU

Network Message	Originating Module	Network Type	Receiving Module(s)
Parking brake chime request	BCM	HS-CAN1	GWM
Parking brake chime request	GWM	HS-CAN3	IPC
Parking brake status	ABS module	HS-CAN2	GWM
Parking brake status	GWM	HS-CAN1	BCM
Parking brake status	GWM	MS-CAN	FCIM
Parking brake status	GWM	HS-CAN3	APIM
Parking brake status	GWM	HS-CAN4	TCU
Passenger door ajar status	BCM	HS-CAN1	- GFM2 - PAM - GWM
Passenger door ajar status	GWM	HS-CAN3	- APIM - IPC
Passenger door ajar status	GWM	HS-CAN2	- ABS module - IPMB
Passenger door ajar status	GWM	HS-CAN4	TCU
Passenger door ajar status	GWM	MS-CAN	- DDM - PDM - RBM
Passenger door lock switch status	PDM	MS-CAN	GWM
Passenger door lock switch status	GWM	HS-CAN1	BCM
Passenger restraint indicator	FCIM	MS-CAN	GWM
Passenger restraint indicator	GWM	HS-CAN2	RCM
Passenger seat belt buckle status	RCM	HS-CAN2	- ABS module - IPMA - GWM
Passenger seat belt buckle status	GWM	HS-CAN1	- APIM - GFM2
Passenger seat belt buckle status	GWM	HS-CAN3	IPC
Passenger seat belt buckle status	GWM	HS-CAN4	TCU
Passenger window command	DDM	MS-CAN	PDM
Passenger window status	PDM	MS-CAN	GWM
Passenger window status	GWM	HS-CAN1	PCM
PATS control command	BCM	HS-CAN1	PCM

Network Message	Originating Module	Network Type	Receiving Module(s)
PATS target command	PCM	HS-CAN1	• BCM
Perimeter alarm chime request	BCM	HS-CAN1	• GWM
Perimeter alarm chime request	GWM	HS-CAN3	• IPC
Perimeter alarm reduced guard status	BCM	HS-CAN1	• GWM
Perimeter alarm reduced guard status	GWM	HS-CAN3	• IPC
Power pack torque status	PCM	HS-CAN1	• BCM • PAM • TCM • GWM
Power pack torque status	GWM	HS-CAN2	• ABS module • HUD module • IPMA • IPMB • SASM • SCCM • PSCM • TBM
Power pack torque status	GWM	HS-CAN3	• ACM • APIM • DSP • IPC • WACM
Power pack torque status	GWM	HS-CAN4	• TCU
Power pack torque status	GWM	MS-CAN	• DDM • DSM • FCIM • HSWM • PDM • RBM • RTM • SCMG • SCMH • TRM
Power running board status	RBM	MS-CAN	• GWM
Power running board status	GWM	HS-CAN3	• IPC
Power shed level request	BCM	HS-CAN1	• PCM • GWM
Power shed level request	GWM	HS-CAN2	• SCCM
Power shed level request	GWM	MS-CAN	• DDM • PDM • FCIM • TRM
Power shed level request	GWM	HS-CAN3	• IPC • APIM

Network Message	Originating Module	Network Type	Receiving Module(s)
Powertrain cooling message request	PCM	HS-CAN1	GWM
Powertrain cooling message request	GWM	HS-CAN3	IPC
Powertrain drive mode status	PCM	HS-CAN1	GWM
Powertrain drive mode status	GWM	HS-CAN2	- ABS module - IPMA - SASM
Powertrain drive mode status	GWM	HS-CAN3	IPC
Puddle lamp activation	BCM	HS-CAN1	GWM
Puddle lamp activation	GWM	MS-CAN	- DDM - PDM
RCM serial number	RCM	HS-CAN2	ABS module
Rear differential lock indicator request	TCCM	HS-CAN2	GWM
Rear differential lock indicator request	GWM	HS-CAN3	- IPC - APIM
Rear differential lock status	TCCM	HS-CAN2	- ABS module - GWM
Rear differential lock status	GWM	HS-CAN3	IPC
Rear differential lock status	GWM	HS-CAN1	PCM
Rear differential lock message request	TCCM	HS-CAN2	GWM
Rear differential lock message request	GWM	HS-CAN3	IPC
Rear locking differential service required	TCCM	HS-CAN2	GWM
Rear locking differential service required	GWM	HS-CAN3	IPC
Rear park aid request	IPC	HS-CAN3	GWM
Rear park aid request	GWM	HS-CAN1	PAM
Remote device feedback	BCM	HS-CAN1	- GFM2 - GWM
Remote device feedback	GWM	HS-CAN4	TCU
Remote device feedback	GWM	MS-CAN	RTM
Remote start quiet mode	FCIM	MS-CAN	GWM
Remote start quiet mode	GWM	HS-CAN1	BCM
Remote start status	BCM	HS-CAN1	GWM

Network Message	Originating Module	Network Type	Receiving Module(s)
Remote start status	GWM	HS-CAN2	- RCM - IPMB
Remote start status	GWM	HS-CAN3	- APIM - IPC - WACM
Remote start status	GWM	HS-CAN4	TCU
Remote start status	GWM	MS-CAN	- FCIM - RSM
Restraint impact event status	RCM	HS-CAN2	- IPMA - SASM - GWM
Restraint impact event status	GWM	MS-CAN	FCIM
Restraint impact event status	GWM	HS-CAN1	- BCM - PCM - GFM2
Restraint impact event status	GWM	HS-CAN4	TCU
RCM power fault	BCM	HS-CAN1	GWM
RCM power fault	GWM	HS-CAN2	RCM
Restraints indicator status	IPC	HS-CAN3	GWM
Restraints indicator status	GWM	HS-CAN2	RCM
Restraints indicator status	GWM	HS-CAN4	TCU
Reverse gear state	PCM	HS-CAN1	- BCM - PAM - GWM
Reverse gear state	GWM	HS-CAN2	- ABS module - IPMA - IPMB - PSCM - RCM - SCCM
Reverse gear state	GWM	HS-CAN3	IPC
Reverse gear state	GWM	HS-CAN4	TCU
Reverse gear state	GWM	MS-CAN	- SODL - SODR
Reverse mirror chime request	DDM	MS-CAN	- DSM - GWM
Reverse mirror chime request	GWM	HS-CAN3	IPC

Network Message	Originating Module	Network Type	Receiving Module(s)
Right rear door ajar status	BCM	HS-CAN1	• GFM2 • PAM • GWM
Right rear door ajar status	GWM	HS-CAN2	• ABS module • IPMB
Right rear door ajar status	GWM	MS-CAN	• DDM • PDM • RBM
Right rear door ajar status	GWM	HS-CAN3	• APIM • IPC • WACM
Right rear door ajar status	GWM	HS-CAN4	• TCU
Right turn lamp on request	BCM	HS-CAN1	• GWM
Right turn lamp on request	GWM	HS-CAN3	• ACM • DSP • IPC • WACM
Right turn lamp request	BCM	HS-CAN1	• GWM
Right turn lamp request	GWM	HS-CAN2	• IPMA • SCCM
Right turn lamp request	GWM	MS-CAN	• DDM • PDM • TRM
Roll code unlock	BCM	HS-CAN1	• GFM2 • GWM
Roll code unlock	GWM	MS-CAN	• DDM
Roll code unlock	GWM	HS-CAN3	• IPC
Roll code unlock	GWM	HS-CAN4	• TCU
Running board command	IPC	HS-CAN3	• GWM
Running board command	GWM	MS-CAN	• RBM
Satellite radio alert status	APIM	HS-CAN3	• ACM
Satellite radio status	APIM	HS-CAN3	• ACM
Set point volume	FCIM	MS-CAN	• GWM
Set point volume	GWM	HS-CAN3	• ACM • DSP
Side detect left illumination	SODL	MS-CAN	• DDM • PDM • GWM

Network Message	Originating Module	Network Type	Receiving Module(s)
Side detect left illumination	GWM	HS-CAN3	• IPC
Side detect right illumination	SODR	MS-CAN	• DDM • PDM • GWM
Side detect right illumination	GWM	HS-CAN3	• IPC
Side obstacle display warning indicator	IPC	HS-CAN3	• GWM
Side obstacle display warning indicator	GWM	HS-CAN4	• TCU
Side obstacle display warning indicator	GWM	MS-CAN	• SODL • SODR
Side detect left illumination	SODL	MS-CAN	• DDM • PDM • GWM
Side detect left illumination	GWM	HS-CAN3	• IPC
Side detect right illumination	SODR	MS-CAN	• DDM • PDM • GWM
Side detect right illumination	GWM	HS-CAN3	• IPC
Side obstacle detect status-left	SODL	MS-CAN	• GWM
Side obstacle detect status-left	GWM	HS-CAN3	• IPC
Side obstacle detect status-right	SODR	MS-CAN	• GWM
Side obstacle detect status-right	GWM	HS-CAN3	• IPC
Side obstacle sensor status-left	SODL	MS-CAN	• DDM • PDM • SODR • GWM
Side obstacle sensor status-left	GWM	HS-CAN3	• IPC
Side obstacle sensor status-right	SODR	MS-CAN	• DDM • PDM • SODL • GWM
Side obstacle sensor status-right	GWM	HS-CAN3	• IPC
Snow plow mode	FCIM	MS-CAN	• GWM
Snow plow mode	GWM	HS-CAN1	• BCM
Snow plow mode	GWM	HS-CAN3	• IPC

Network Message	Originating Module	Network Type	Receiving Module(s)
Stability-traction control chime request	ABS module	HS-CAN2	- SASM - RCM - TBM - TCCM - GWM
Stability-traction control chime request	GWM	HS-CAN3	IPC
Stability-traction control event in progress	ABS module	HS-CAN2	- IPMA - RCM - SASM - GWM
Stability-traction control event in progress	GWM	HS-CAN1	- PAM - PCM - TCM
Stability-traction control event in progress	GWM	HS-CAN4	TCU
Stability-traction control indicator off request	ABS module	HS-CAN2	GWM
Stability-traction control indicator off request	GWM	HS-CAN3	IPC
Stability-traction control indicator request	ABS module	HS-CAN2	- SASM - RCM - GWM
Stability-traction control indicator request	GWM	HS-CAN1	- PCM - PAM
Stability-traction control indicator request	GWM	HS-CAN3	IPC
Stability-traction control disabled indicator request	ABS module	HS-CAN2	- RCM - SASM - GWM
Stability-traction control disabled indicator request	GWM	HS-CAN1	- PAM - PCM
Stability-traction control disabled indicator request	GWM	HS-CAN3	IPC
Stability-traction control on/off message request	ABS module	HS-CAN2	GWM
Stability-traction control on/off message request	GWM	HS-CAN3	IPC
Starting system message request	PCM	HS-CAN1	GWM
Starting system message request	GWM	HS-CAN3	IPC
Steering column position switch status	SCCM	HS-CAN2	GWM
Steering column position switch status	GWM	MS-CAN	DSM
Steering effort status	PSCM	HS-CAN2	GWM
Steering effort status	GWM	HS-CAN1	BCM
Steering effort status	GWM	HS-CAN4	TCU

Network Message	Originating Module	Network Type	Receiving Module(s)
Steering power request	SCCM	HS-CAN2	GWM
Steering power request	GWM	HS-CAN1	PCM
Steering wheel angle	ABS module	HS-CAN2	- IPMA - IPMB - PSCM - RCM - SASM - SCCM - TCCM - GWM
Steering wheel angle	GWM	HS-CAN1	- BCM - PAM - PCM - TCM
Steering wheel angle	GWM	HS-CAN3	- APIM - IPC
Steering wheel angle request	ABS module	HS-CAN2	SASM
Steering wheel angle sensor calibration	SASM	HS-CAN2	ABS module
Steering wheel angle status	SASM	HS-CAN2	ABS module
Steering wheel heat request	FCIM	MS-CAN	- HSWM - GWM
Steering wheel heat request	GWM	HS-CAN2	SASM
Steering wheel heat status	HSWM	MS-CAN	FCIM
Steering wheel message center switch data (with adaptive steering)	SASM	HS-CAN2	SCCM
Steering wheel message center switch data	SCCM	HS-CAN2	GWM
Steering wheel message center switch data	GWM	HS-CAN3	IPC
Stop lamp brake request	ABS module	HS-CAN2	GWM
Stop lamp brake request	GWM	HS-CAN1	BCM
Stop lamp request	BCM	HS-CAN1	GWM
Stop lamp request	GWM	MS-CAN	TRM
SYNC alerts	APIM	HS-CAN3	- ACM - DSP
Tailgate ajar	BCM	HS-CAN1	- PAM - GWM
Tailgate ajar	GWM	HS-CAN2	IPMB
Tailgate ajar	GWM	HS-CAN3	IPC

Network Message	Originating Module	Network Type	Receiving Module(s)
Tailgate ajar	GWM	HS-CAN4	TCU
Tire pressure data	BCM	HS-CAN1	GWM
Tire pressure data	GWM	HS-CAN3	- IPC - APIM
Tire pressure information	BCM	HS-CAN1	GWM
Tire pressure information	GWM	MS-CAN	RTM
Tire pressure placard data	BCM	HS-CAN1	GWM
Tire pressure placard data	GWM	HS-CAN3	IPC
Tire pressure reset request	IPC	HS-CAN3	GWM
Tire pressure reset request	GWM	HS-CAN1	PCM
Tire pressure status	BCM	HS-CAN1	GWM
Tire pressure status	GWM	MS-CAN	RTM
Tire pressure status	GWM	HS-CAN3	- APIM - IPC
Tire pressure system status	BCM	HS-CAN1	- GFM2 - GWM
Tire pressure system status	GWM	MS-CAN	RTM
Tire pressure system status	GWM	HS-CAN3	- APIM - IPC
Tire pressure system status	GWM	HS-CAN4	TCU
Tire pressure warning indicator	BCM	HS-CAN1	GWM
Tire pressure warning indicator	GWM	MS-CAN	RTM
Tire pressure warning indicator	GWM	HS-CAN3	- APIM - IPC
Trailer angle offset direction status	IPC	HS-CAN3	GWM
Trailer angle offset direction status	GWM	HS-CAN2	IPMB
Trailer axle to bumper distance	IPC	HS-CAN3	GWM
Trailer axle to bumper distance	GWM	HS-CAN2	IPMB
Trailer backup aid enabled request	IPC	HS-CAN3	GWM
Trailer backup aid enabled request	GWM	HS-CAN2	IPMB
Trailer backup aid setup request	IPC	HS-CAN3	- APIM - GWM

Network Message	Originating Module	Network Type	Receiving Module(s)
Trailer backup aid setup request	GWM	HS-CAN2	• IPMB
Trailer ball to bumper distance	IPC	HS-CAN3	• GWM
Trailer ball to bumper distance	GWM	HS-CAN2	• IPMB
Trailer battery charge	TRM	MS-CAN	• GWM
Trailer battery charge	GWM	HS-CAN3	• IPC
Trailer brake control fault status	TBM	MS-CAN	• GWM
Trailer brake control fault status	GWM	HS-CAN1	• PAM
Trailer brake control fault status	GWM	HS-CAN3	• IPC
Trailer brake mode request	IPC	HS-CAN3	• GWM
Trailer brake mode request	GWM	HS-CAN2	• TBM
Trailer brake request	ABS module	HS-CAN2	• TBM • GWM
Trailer brake request	GWM	HS-CAN3	• IPC
Trailer brake stop lamp request	TBM	HS-CAN2	• GWM
Trailer brake stop lamp request	GWM	HS-CAN1	• BCM
Trailer chirp request	GFM	MS-CAN2	• GWM
Trailer chirp request	GWM	HS-CAN1	• BCM
Trailer lamp connected	TRM	MS-CAN	• SODL • SODR • GWM
Trailer lamp connected	GWM	HS-CAN3	• IPC
Trailer lamp connected	GWM	HS-CAN1	• BCM • PAM • PCM
Trailer lamp connected	GWM	HS-CAN2	• ABS module • IPMA • IPMB • PSCM • SCCM
Trailer lamp out	TRM	MS-CAN	• GWM
Trailer lamp out	GWM	MS-CAN	• IPC
Trailer learn mode request	IPC	HS-CAN3	• GWM
Trailer learn mode request	GWM	MS-CAN2	• GFM
Trailer reverse message request	IPMB	HS-CAN2	• GWM

Network Message	Originating Module	Network Type	Receiving Module(s)
Trailer reverse message request	GWM	HS-CAN3	• IPC
Trailer setup	IPMB	HS-CAN2	• GWM
Trailer setup	GWM	HS-CAN3	• IPC
Trailer sway event in progress	ABS module	HS-CAN2	• GWM
Trailer sway event in progress	GWM	HS-CAN3	• IPC
Trailer sway event in progress	GWM	HS-CAN4	• TCU
Trailer target to bumper status	IPC	HS-CAN3	• GWM
Trailer target to bumper status	GWM	HS-CAN2	• IPMB
Trailer tire count status	GFM	MS-CAN2	• GWM
Trailer tire count status	GWM	HS-CAN3	• IPC
Trailer tire sensor status	GFM	MS-CAN2	• GWM
Trailer tire sensor status	GWM	HS-CAN3	• IPC
Trailer tire status	GFM	MS-CAN2	• GWM
Trailer tire status	GWM	HS-CAN3	• IPC
Trailer tire system status	GFM	MS-CAN2	• GWM
Trailer tire system status	GWM	HS-CAN3	• IPC
Trailer turn indicator status	TRM	MS-CAN	• GWM
Trailer turn indicator status	GWM	HS-CAN1	• BCM
Trailer turn indicator status	GWM	HS-CAN3	• IPC
Transfer case fluid temperature (diesel)	TCM	HS-CAN1	• PCM • GFM2 • GWM
Transfer case fluid temperature	PCM	HS-CAN1	• GFM2 • GWM
Transfer case fluid temperature	GWM	HS-CAN2	• TCCM
Transfer case fluid temperature	GWM	HS-CAN3	• IPC
Transfer case fluid temperature	GWM	HS-CAN4	• TCU
Transmission gear display (diesel)	TCM	HS-CAN1	• GWM
Transmission gear display	PCM	HS-CAN1	• GWM

Network Message	Originating Module	Network Type	Receiving Module(s)
Transmission gear display	GWM	HS-CAN3	• IPC
Transmission gear display mode (diesel)	TCM	HS-CAN1	• GWM
Transmission gear display mode	PCM	HS-CAN1	• GWM
Transmission gear display mode	GWM	HS-CAN3	• IPC
Transmission not in park indicator request	BCM	HS-CAN1	• GWM
Transmission not in park indicator request	GWM	HS-CAN3	• IPC
Transmission range display (diesel)	TCM	HS-CAN1	• GWM
Transmission range display	PCM	HS-CAN1	• GWM
Transmission range display	GWM	HS-CAN3	• IPC
Transmission range display mode (diesel)	TCM	HS-CAN1	• GWM
Transmission range display mode	PCM	HS-CAN1	• GWM
Transmission range display mode	GWM	HS-CAN3	• IPC
Transmission service required (diesel)	TCM	HS-CAN1	• GWM
Transmission service required	PCM	HS-CAN1	• GWM
Transmission service required	GWM	HS-CAN2	• RCM
Transmission service required	GWM	HS-CAN3	• IPC
Transmission shift status (diesel)	TCM	HS-CAN1	• PCM • GWM
Transmission shift status	PCM	HS-CAN1	• GWM
Transmission shift status	GWM	HS-CAN2	• ABS module
Transmission temperature data (diesel)	TCM	HS-CAN1	• PCM • GWM
Transmission temperature data	PCM	HS-CAN1	• BCM • GFM2 • PAM • GWM
Transmission temperature data	GWM	HS-CAN3	• IPC
Transmission up shift indicator	PCM	HS-CAN1	• GWM
Transmission up shift indicator	GWM	HS-CAN3	• IPC
Transport mode	BCM	HS-CAN1	• PAM • PCM • TCM • GWM

Network Message	Originating Module	Network Type	Receiving Module(s)
Transport mode	GWM	HS-CAN2	• ABS module • IPMA • SASM
Transport mode	GWM	MS-CAN	• DDM • FCIM • HSWM • PDM • RTM • TRM
Transport mode	GWM	HS-CAN3	• ACM • IPC • WACM
Transport mode	GWM	HS-CAN4	• TCU
Trip odometer verify	PCM	HS-CAN1	• GWM
Trip odometer verify	GWM	HS-CAN3	• IPC
Turbo boost data	PCM	HS-CAN1	• BCM • GWM
Turbo boost data	GWM	HS-CAN3	• IPC
Turn signal switch status	SCCM	HS-CAN2	• IPMA • PSCM • SASM • GWM
Turn signal switch status	GWM	HS-CAN1	• BCM • PAM
Turn signal switch status	GWM	MS-CAN	• SODL • SODR
Turn signal switch status	GWM	HS-CAN3	• IPC
Upfitter switch request	GFM2	HS-CAN1	• BCM
Upfitter switch request	GWM	HS-CAN4	• TCU
Vehicle configuration data	BCM	HS-CAN1	• GFM2 • PAM • PCM • TCM • GWM
Vehicle configuration data	GWM	HS-CAN2	• ABS module • HUD module • IPMA • PSCM • RCM • SASM • SCCM • TBM • TCCM

Network Message	Originating Module	Network Type	Receiving Module(s)
Vehicle configuration data	GWM	MS-CAN	• DDM • FCIM • PDM • RBM • RTM • SODL • SODR • TRM
Vehicle configuration data	GWM	HS-CAN3	• ACM • APIM • IPC
Vehicle configuration data	GWM	HS-CAN4	• TCU
Vehicle dynamics SOS	ABS module	HS-CAN2	• GWM
Vehicle dynamics SOS	GWM	HS-CAN1	• BCM
Vehicle dynamics SOS	GWM	HS-CAN3	• IPC
Vehicle lateral acceleration	ABS module	HS-CAN2	• PSCM • GWM
Vehicle lateral acceleration	GWM	HS-CAN1	• PCM • TCM
Vehicle lateral acceleration	RCM	HS-CAN2	• ABS module • IPMA • IPMB • PSCM • GWM
Vehicle lateral acceleration	GWM	HS-CAN3	• IPC
Vehicle lock requestor	BCM	HS-CAN1	• GWM
Vehicle lock requestor	GWM	HS-CAN4	• TCU
Vehicle lock requestor	GWM	MS-CAN	• DDM • PDM
Vehicle lock status	BCM	HS-CAN1	• GFM2 • GWM
Vehicle lock status	GWM	MS-CAN	• DDM • PDM
Vehicle longitudinal acceleration	RCM	HS-CAN2	• ABS module • IPMA • GWM
Vehicle longitudinal acceleration	ABS	HS-CAN2	• PSCM • GWM
Vehicle longitudinal acceleration	GWM	HS-CAN1	• PCM • TCM

Network Message	Originating Module	Network Type	Receiving Module(s)
Vehicle pitch angle display	ABS module	HS-CAN2	GWM
Vehicle pitch angle display	GWM	HS-CAN3	IPC
Vehicle roll angle display	ABS module	HS-CAN2	GWM
Vehicle roll angle display	GWM	HS-CAN3	IPC
Vehicle speed	PCM	HS-CAN1	- BCM - GFM2 - PAM - TCM - GWM
Vehicle speed	GWM	HS-CAN3	- ACM - DSP - IPC
Vehicle speed	GWM	MS-CAN	- DDM - DSM - FCIM - PDM - RBM - RTM - SCMG - SCMH - SODL - SODR
Vehicle speed	GWM	HS-CAN2	- HUD module - IPMA - IPMB - RCM - SCCM - TBM
Vehicle speed	GWM	MS-CAN2	GFM
Vehicle temperature display selection	IPC	HS-CAN3	- APIM - GWM
Vehicle temperature display selection	GWM	HS-CAN4	TCU
Vehicle temperature display selection	GWM	MS-CAN	FCIM
Vehicle temperature display units	APIM	HS-CAN3	- IPC - GWM
Vehicle temperature display units	GWM	MS-CAN	FCIM
Vehicle trip display units	APIM	HS-CAN3	IPC
Vehicle yaw rate	ABS module	HS-CAN2	- IPMA - IPMB - PSCM - SASM - GWM

Network Message	Originating Module	Network Type	Receiving Module(s)
Vehicle yaw rate	GWM	HS-CAN1	• PAM • PCM • TCM
Vehicle yaw rate	GWM	HS-CAN3	• IPC
Vehicle yaw rate	RCM	HS-CAN2	• ABS module • IPMA • IPMB • PSCM • GWM
Vehicle yaw rate	GWM	HS-CAN4	• TCU
Vehicle yaw rate	GWM	MS-CAN	• APIM • SODL • SODR
Voice recognition audio source request	APIM	HS-CAN3	• ACM
Voice recognition bluetooth response data	APIM	HS-CAN3	• IPC
Voice recognition status	APIM	HS-CAN3	• IPC
Water in fuel	PCM	HS-CAN1	• GWM
Water in fuel	GWM	HS-CAN3	• IPC
Wheel torque	PCM	HS-CAN1	• GWM
Wheel torque	GWM	HS-CAN3	• IPC
Wheel rotation count	ABS module	HS-CAN2	• IPMB • PSCM • GWM
Wheel rotation count	GWM	HS-CAN1	• BCM • PAM
Wheel rotation count	GWM	MS-CAN	• SODL • SODR
Wheel rotation count	GWM	HS-CAN3	• APIM
Wheel rotation direction	ABS module	HS-CAN2	• IPMA • IPMB • PSCM • GWM
Wheel rotation direction	GWM	HS-CAN1	• PAM
Wheel rotation direction	GWM	HS-CAN3	• APIM
Wheel speed data	ABS module	HS-CAN2	• IPMA • IPMB • PSCM • TCCM • GWM

Network Message	Originating Module	Network Type	Receiving Module(s)
Wheel speed data	GWM	HS-CAN1	• BCM • PAM • PCM • TCM
Window lockout status	BCM	HS-CAN1	• GWM
Window lockout status	GWM	MS-CAN	• DDM
Wireless accessory charge request	BCM	HS-CAN1	• GWM
Wireless accessory charge request	GWM	HS-CAN3	• WACM
Wireless accessory charge request	GWM	HS-CAN4	• TCU

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