

OPERATION AND COMPONENT DESCRIPTION > HIGH SPEED CONTROLLER AREA NETWORK 3 (HS-CAN3)

The HS-CAN3, or the infotainment controller area network (I-CAN), operates at a maximum data transfer speed of 500 Kbps and is designed for real time audio, multimedia and driver information transfer and control. Modules on the HS-CAN3 communicate using bussed messages. HS-CAN3 uses 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 scan tool and the modules on the HS-CAN3.

The GWM translates the diagnostic messages from the HS-CAN2 to the HS-CAN3 and vice versa, allowing communication between the modules on the HS-CAN3 and the scan tool.

DESCRIPTION AND OPERATION > COMMUNICATIONS NETWORK - SYSTEM OPERATION AND COMPONENT DESCRIPTION > MEDIUM SPEED CONTROLLER AREA NETWORK (MS-CAN)

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 HS-CAN2 to the MS-CAN and vice versa, allowing communication between the modules on the MS-CAN and the scan tool.

DESCRIPTION AND OPERATION > COMMUNICATIONS NETWORK - SYSTEM OPERATION AND COMPONENT DESCRIPTION > CONTROLLER AREA NETWORK (CAN) FAULT TOLERANCE

Fault Tolerance Normal Operation

