

CONTROLLER AREA NETWORK (CAN)

GENERAL

SYSTEM DESCRIPTION

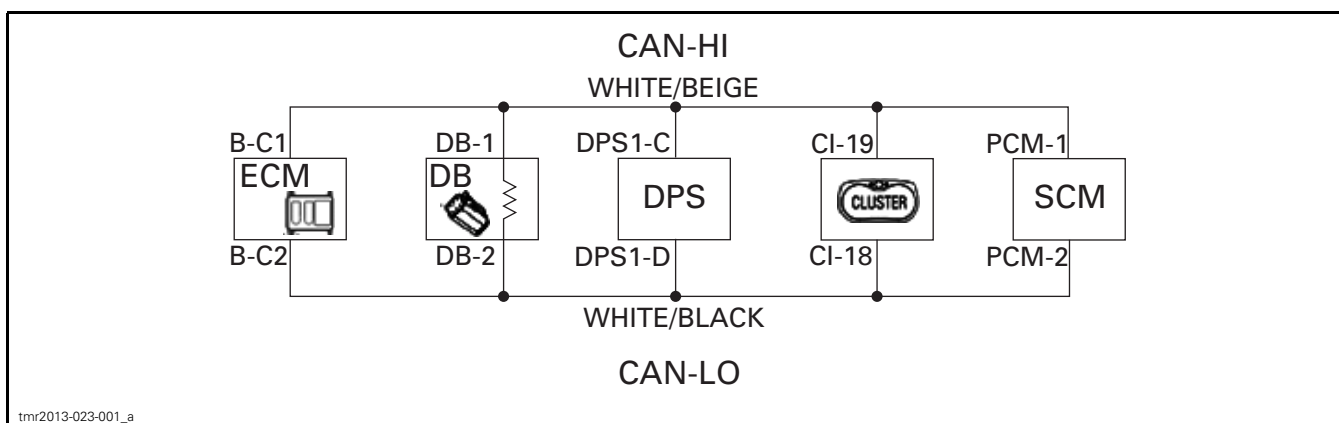
The CAN (Controller Area Network) protocol is an ISO standard for serial data communication.

The CAN bus links the following modules together so that they communicate to interact as required.

- ECM (Engine Control Module)
- Multifunction gauge
- DPS (Dynamic Power Steering)
- SCM (Suspension Control Module)

The components are connected together by 2 wires and they are in constant communication with each other at a rate of about every 20 milliseconds. CAN lines consist of a pair of wires (WHITE/BEIGE and WHITE/BLACK).

If a component or system malfunction is detected, a module may generate a fault code, which it transmits through the CAN bus as a signal. The fault signal may be used for various functions such as triggering the display of an error message in the multifunction gauge cluster, turning on a fault indicator light, limiting or inhibiting vehicle or engine operation, or viewed using the B.U.D.S. software for troubleshooting.



CLUSTER: Multifunction Gauge
 DB: Diagnostic Connector
 ECM: Engine Control Module
 DPS: Dynamic Power Steering
 SCM: Suspension Control Module