

COMMUNICATION PROTOCOLS

GENERAL

CONTROLLER AREA NETWORK (CAN)

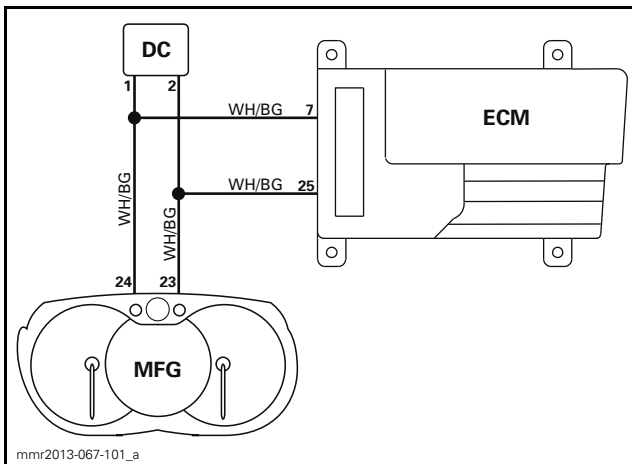
The CAN protocol is an ISO standard for serial data communication.

The ECM forms a network with other components linked with the CAN bus.

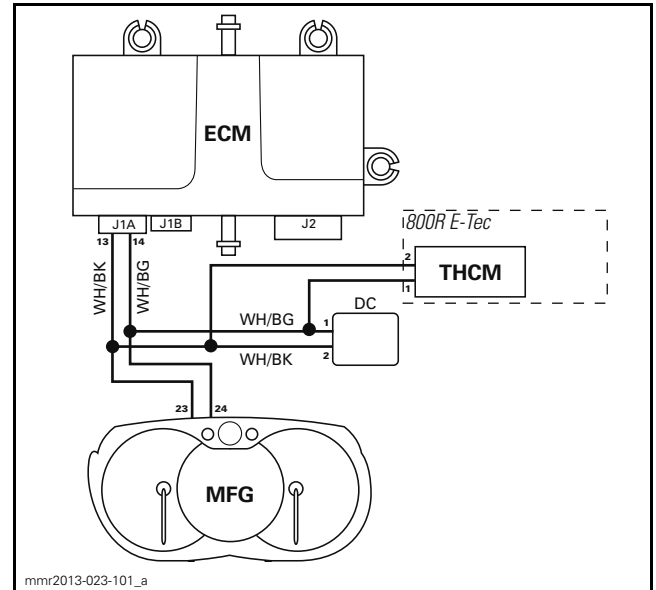
The CAN bus (or CAN lines) consist of a pair of wires (WHITE/BEIGE and WHITE/BLACK) that connect every component to each other. The electronic modules are in constant communication within the network.

The network is comprised of the:

- ECM
- Multifunction gauge
- Diagnostic connector
- THCM (thermocouple module) on 800R E-TEC
- CAN bus.



600 AND 800R POWER TEK
DC (Diagnostic connector)
ECM (Engine control module)
MFG (Multifunction gauge)
WH/BG (White/beige)
WH/BK (White/black)



600 HO E-TEC AND 800R E-TEC
DC (Diagnostic connector)
ECM (Engine control module)
MFG (Multifunction gauge)
THCM (Thermocouple module)
WH/BG (White/beige)
WH/BK (White/black)

NOTE: Fault codes are broadcasted through the CAN bus.

LOCAL INTERCONNECT NETWORK (LIN)

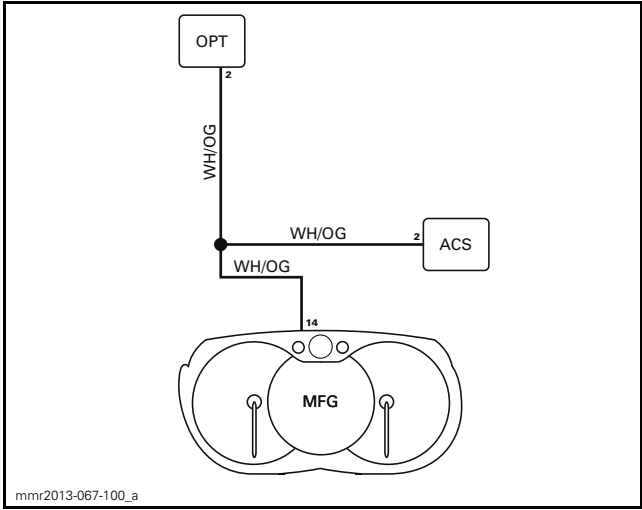
The LIN bus is a simple broadcast serial network comprising one master and up to 16 slaves. It is used as a complement to the CAN network to integrate the following devices.

MASTER	SLAVES
Multifunction gauge	ACS (air controlled suspension)
	Optional premium module (compass, engine temperature, lap recorder)
	Optional engine temperature module

The master communicates to one slave at a time which supplies the requested information. The gauge can then display the related data (engine temperature for example).

One wire connects each component. The LIN line consists of a WHITE/ORANGE wire.

Section 03 ELECTRONIC MANAGEMENT SYSTEMS
Subsection 04 (COMMUNICATION PROTOCOLS)



ACS (air controlled suspension)
MFG (multifunction gauge)
OPT (optional modules: compass, engine temperature, lap recorder)
WH/OG: WHITE/ORANGE