OVERVIEW

GENERAL

The vehicle senses its surroundings utilizing multiple on-board electronic control modules and sensors. These sophisticated systems monitor and control a broad range of functions.

The various electronic modules used in the vehicle transmit data about their system's operation to all other modules through a CAN bus (CONTROLLER AREA NETWORK). The information transmitted on CAN bus can be used by all modules simultaneously as applicable to their system's operation.

Refer to *CONTROLLER AREA NETWORK (CAN)* subsection for more details.

The vehicle features the following main electronic systems:

ENGINE MANAGEMENT SYSTEM (EMS)

A highly advanced engine management system (EMS) has been used to ensure a high power output from the engine with a cleaner more efficient combustion.

Many systems are controlled by the engine management system (EMS). Refer to the *ENGINE MANAGEMENT SYSTEM (EMS)* subsection for more details.

VEHICLE STABILITY SYSTEM (VSS)

The VSS helps to maintain vehicle control in normal riding conditions as well as in emergency avoidance maneuvers.

To maintain vehicle stability, the VSS interacts with the several other subsystems as well as with the engine management system. Refer to the *VEHICLE STABILITY SYSTEM (VSS)* subsection for more details.

DYNAMIC POWER STEERING (DPS)

The Dynamic Power Steering (DPS) system provides a computer controlled, variable steering assist achieved by an electric motor to optimize the amount of steering input required by the rider.

Refer to the *(DYNAMIC POWER STEERING (DPS)* subsection for more details.

ELECTRONIC SHIFT SYSTEM (SE5)

The SE5 engine features a sequential electronically controlled mechanical 5-speed gearbox with a hydraulically-actuated type clutch system.

NOTE: The SE5 is an electronically controlled version of a sequential manual gearbox.

Refer to the *(ELECTRONIC SHIFT SYSTEM (SE5)* subsection for more details.