

Car Care Corner

How to Decode Automotive Technology Jargon

(NAPSA)—When buying a new vehicle, car shoppers often are confused about all the acronyms, new safety features and technologically advanced benefits.

If you are not sure about what a feature does, don't be afraid to ask. A skilled salesperson should be able to describe every item and explain how it can make your ride safer or more comfortable. Here's a short glossary of key features from the experts at American Suzuki Motor Corporation:

- **Electronic Brakeforce Distribution (EBD)** works with the anti-lock braking system to effectively divide braking power between the front and rear channels to help prevent brake fade when carrying heavy loads.

- **Electronic Stability Control (ESC)** is a stability enhancement system designed to electronically detect and assist the driver in critical driving situations. ESC compares a driver's intended course with the vehicle's actual movement and uses sensors to monitor vehicle speed, steering wheel angle, throttle position and yaw.

Usually occurring in high-speed maneuvers or on slippery roads, the ESC system can apply brakes to individual wheels and, if necessary, reduce engine torque and may help keep the vehicle under control.

- **HomeLink wireless control system** (available on Suzuki's Grand Vitara) is a programmable remote garage/gate opener integrated in the vehicle.

- **Variable Induction System (VIS)** gives the vehicle more torque through the whole power band by opening and closing a control valve in the air intake manifold according to the engine speed. The system maximizes engine output for increased power.



For a safe, comfortable ride to your next adventure, don't be afraid to ask questions.

- **Direct Ignition System (DIS)**—or Coil-over-plug Ignition System (found in Suzuki's XL-7, Verona)—is a version of a distributorless ignition system. Each spark plug has a separate coil attached to the top of the plug. It increases engine efficiency and performance and reduces maintenance costs by eliminating the need for a distributor cap and high-tension ignition wires.

- **DriveSelect** push-button four-wheel drive system lets the driver shift-on-the-fly at speeds up to 60 mph into four-wheel drive (High-Range). There is no need to stop the vehicle to select and engage four-wheel drive.

- **Electronic Traction Control System (TCS)** is a computer-controlled system that may increase control and stability on slippery surfaces by automatically reducing the throttle opening, pumping the brakes or both.

- **QuadGrip All-wheel-drive System** (available on Suzuki Aerio models) automatically transfers power to the rear wheels when road traction is compromised. In the most severe conditions, up to 50 percent of the engine's available torque can be diverted to the rear axle.

For more information, visit www.suzuki.com.