

EDL (Electronic Differential Lock)

EDL is a low speed traction control system that utilizes the ABS to apply brake pressure to a slipping wheel during acceleration. EDL is enabled at speeds of up to 24 miles per hour. EDL was standard equipment on models equipped with high output engines.

When the driving wheels experience unequal traction and the wheel with the least amount of traction spins, the ABS wheel speed sensor *picks up the difference in wheel speed*. The ABS control module responds by applying brake pressure to the spinning wheel which transfers the driving torque to the opposite wheel.

ESP (Electronic Stability Program)

The ESP (Electronic Stability Program) is one of the vehicle's active safety features. It is also known as a "driving dynamic control system". In simple terms, ESP is a dynamic anti-skid program. Utilizing a variety of sensors and controls to monitor steering angle, road wheel angle, yaw rate and lateral acceleration, the EDL system recognizes when the vehicle is in danger of skidding. By counteracting any tendency towards understeer or oversteer, ESP stabilizes the dynamic handling response of the car. It constantly compares the actual movement of the vehicle with predetermined values and, according to the situation, reacts by braking the outer front or inner rear wheel and automatically adjusting the engine's output. The system works in conjunction with the existing ABS system.

