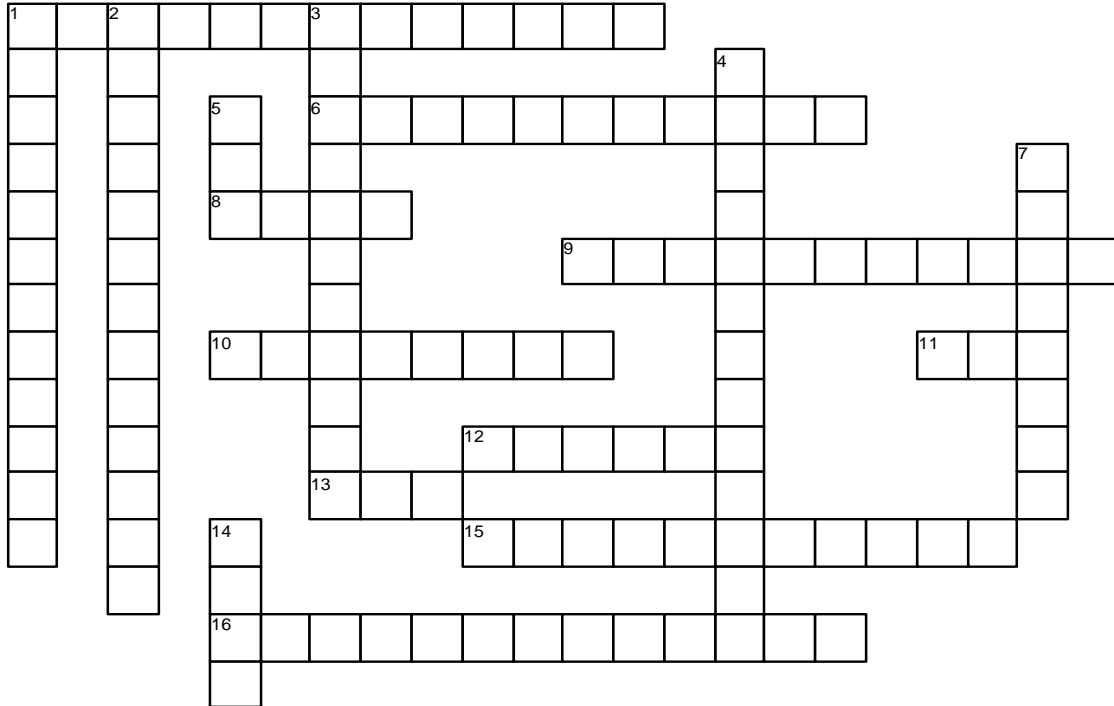


Electronic Power Steering Systems

Chapter 123



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ACROSS

- 1 The ____-____-____ electric power steering (R-EPS) system has the assist motor attached to the rack.
- 6 AN R-EPS is also called ____ ____.
- 8 The ____ and the power steering motor are serviced as an assembly and are serviced separately from the steering column assembly.
- 9 Most electric power steering units use a ____ motor.
- 10 A power steering motor assist steering through a ____ and reduction gear located in the steering column housing.
- 11 The PSCM uses the ____ to determine the steering system on-center position.
- 12 Most electric power steering DTC's will be a "____" for chassis-related faults or "U" codes for data communication faults.
- 13 Some ____ units operate from 42 volts while others operate from 12 volts.
- 15 Several vehicle manufacturers offer a ____-____ feature that uses the electric power steering to steer the vehicle.
- 16 A ____-____ electric power steering system (P-EPS) system is not directly mounted to the column and has an assist motor connected to the pinion shaft of the rackandpinion steering gear.

DOWN

- 1 If the steering wheel, steering column, or steering gear is removed or replaced, the system must be _____, which resets the zero point of the torque sensors.
- 2 ____-____ electric power steering (C-EPS) has sensors and the assist motor located inside the vehicle so they are not exposed to heat and outside elements.
- 3 A ____ ____ electric power steering (D-EPS) system has the assist motor surrounding the rack.
- 4 The PSCM uses the ____ ____ torque sensor as a main input for determining steering direction and the amount of assist needed.
- 5 The ____ sensor outputs an analog signal, referenced to 5 volts, that increases or decreases with brake pedal depression.
- 7 Electronic power steering (EPS) is also called electronic power-____ steering (EPAS).
- 14 The ____ module controls the power steering motor.