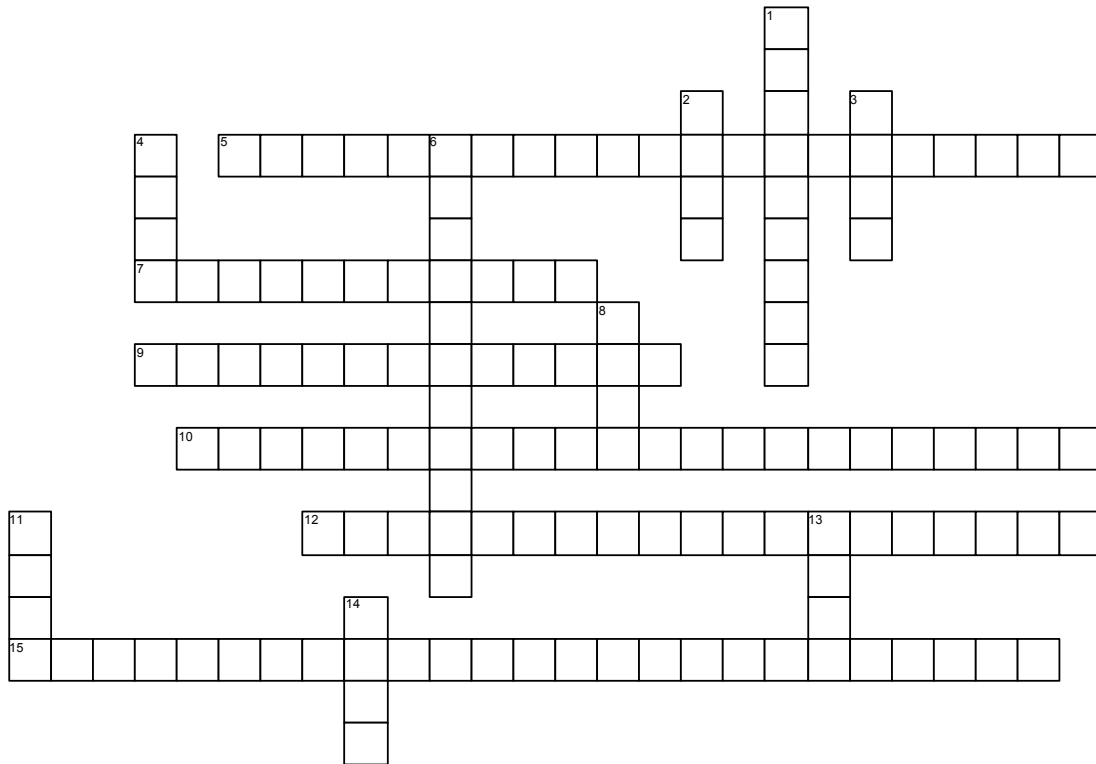


Electric Power Steering Systems

Chapter 24



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ACROSS

- 5 _____ takes the place of hydraulic components that were previously used by using an electric motor to provide power assist effort.
- 7 Several vehicle manufacturers offer a ____ - _____ feature that uses the electric power steering to steer the vehicle.
- 9 _____ is the most commonly used type and involves using a manual rack and pinion steering gear assembly with a motor assist in the steering column.
- 10 The PSCM uses the _____ to determine the steering system on-center position.
- 12 Most self-parking systems use a _____ - _____.
- 15 The PSCM uses the _____ as a main input for determining steering direction and the amount of assist needed.

DOWN

- 1 The _____ outputs an analog signal, referenced to 5 volts, that increases or decreases with brake pedal depression.
- 2 While not directly mounted to the column itself, another type of electric power steering is the ____ - _____.
- 3 Another design has the assist motor surrounding the rack and this style is called a ____ - _____ system.
- 4 Another name for the electric power steering is the _____.
- 6 The _____ system has the assist motor attached to the rack.
- 8 ____ - _____ has the sensors and assist motor located inside the vehicle so they are not exposed to the heat and outside elements as is the rack mounted systems.
- 11 ____ - _____ system is mounted to the rack.
- 13 The _____ module controls the power steering motor, which has the function of providing hydraulic power to the brake booster and the steering gear.
- 14 The _____ and the power steering motor are serviced as an assembly and are serviced separately from the steering column assembly.