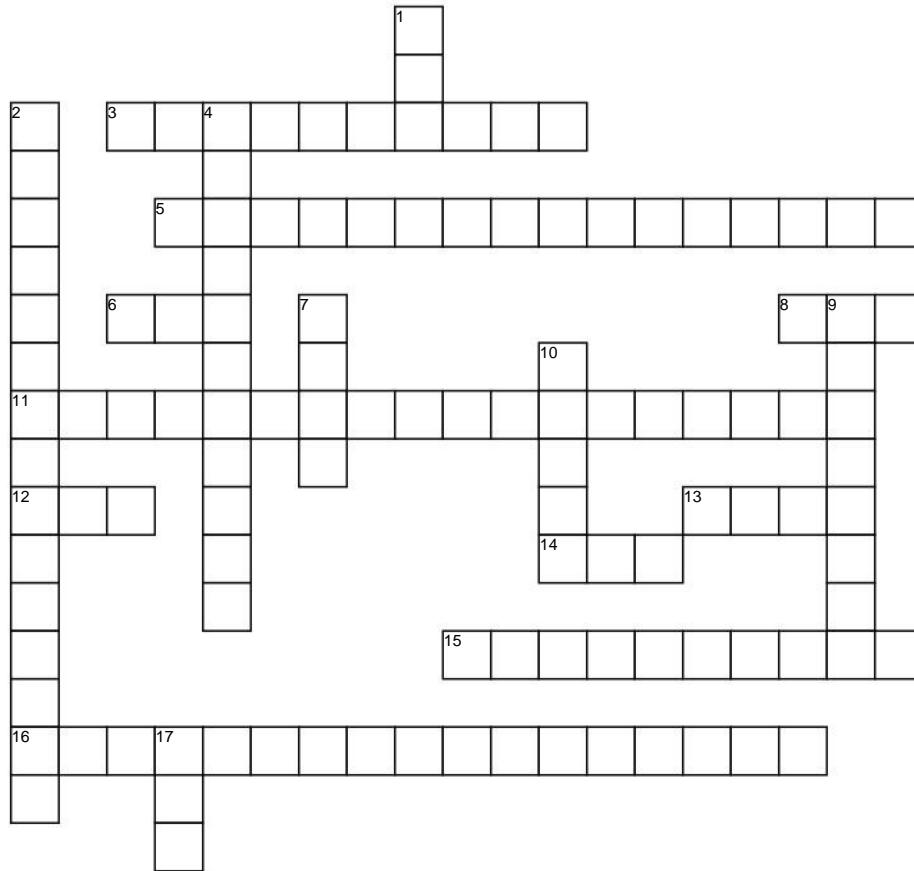


Hydraulic Power Steering Systems

Chapter 30



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ACROSS

- 3 _____ states that pressure on a confined fluid is transmitted equally in all directions and acts with equal force on equal areas.
- 5 A _____ installs in the same bore as the hose fitting.
- 6 A _____ transmits an electronic signal to the PCM when the pressure in the system is high enough to increase the load on the engine.
- 8 The _____ sensor outputs an analog signal, referenced to 5 volts, that increases or decreases with brake pedal depression.
- 11 A _____ is a two-piece assembly that operates by rotating an inner valve within an outer valve.
- 12 The PSCM uses the _____ to determine the steering system on-center position.
- 13 The _____ module controls the power steering motor.
- 14 Some _____ units operate from 42 volts while others operate from 12 volts.
- 15 _____ is one of GM's four different variable-effort steering systems.
- 16 An _____ is part of the pump, and the pump itself operates submerged in power steering fluid.

DOWN

- 1 _____ systems are designed to provide variable power-assisted steering.
- 2 A _____ is a separate assembly from the pump and provides fluid to it through a suction hose.
- 4 Several vehicle manufacturers offer a _____ - _____ feature that uses the electric power steering to steer the vehicle.
- 7 The _____ and the power steering motor are serviced as an assembly and are serviced separately from the steering column assembly.
- 9 _____ is force applied to a specific area.
- 10 _____ is a push or pull acting on an object and is usually measured in pounds or Newtons.
- 17 The _____ system provides a wide range of power-assisted steering based on the vehicle's operating conditions.