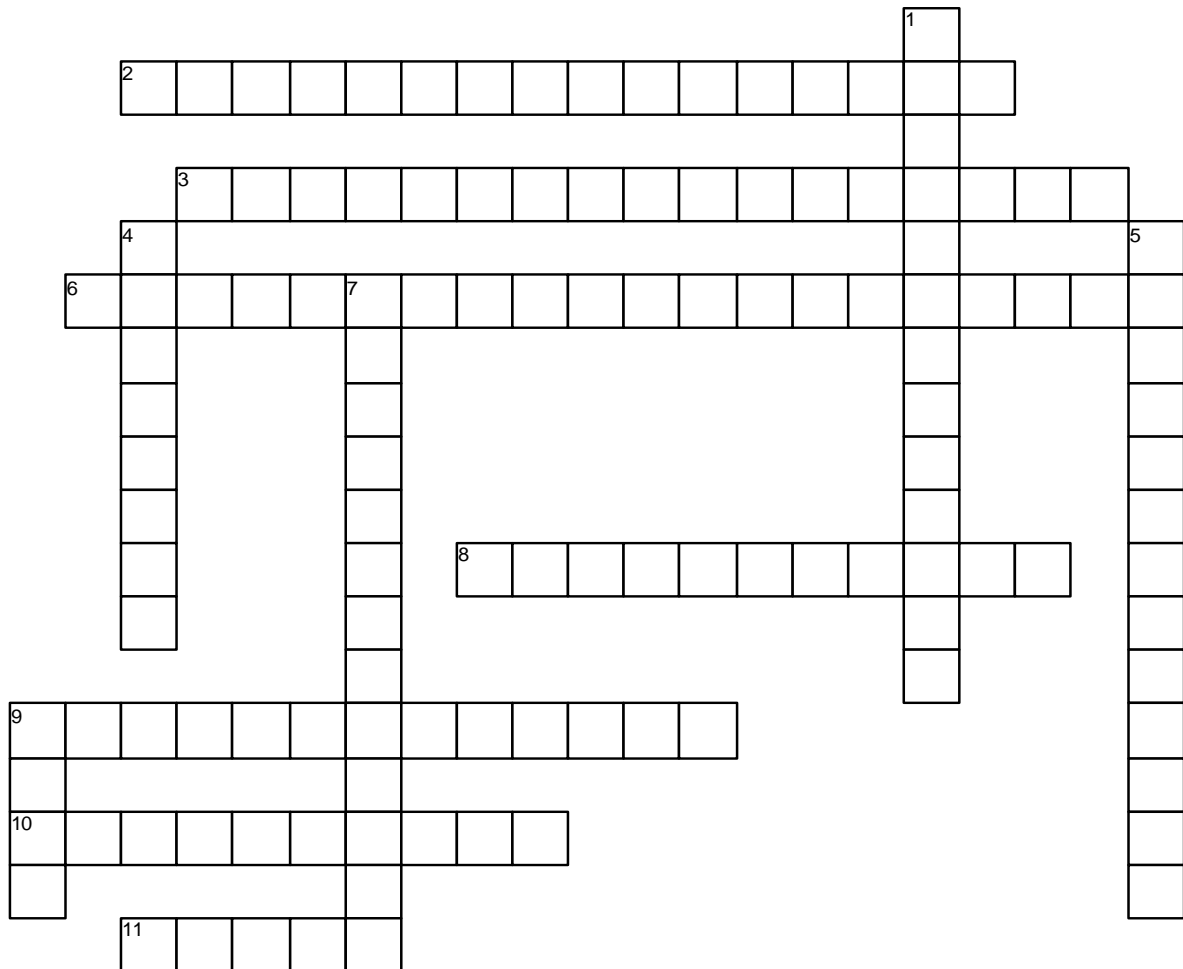


Electric Power Steering

Chapter 15



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ACROSS

- 2 The PSCM uses the _____ sensor (SPS) to determine the steering system on-center position.
- 3 Most electric power steering _____ codes (DTCs) will be "C" codes for chassis-related faults or "U" codes for data communication faults.
- 6 The _____ module (PSCM) and the power steering motor are serviced as an assembly and are serviced separately from the steering column assembly
- 8 The ____-_____ system has the assist motor attached to the rack and is often called a rack-and-pinion electric power steering (R-EPS) system.
- 9 All HEV and EV vehicles use electric power steering (EPS) systems, also called electric ____-_____ steering (EPAS).
- 10 The electric power steering is controlled by the EPS ECU, which _____ the amount of needed assist based on the input from the steering torque sensor.
- 11 If a major _____ were to occur, the control module will first try to maintain power-assisted steering even if some sensors have failed.

DOWN

- 1 ____-_____ electric power steering (C-EPS) has sensors and the assist motor located inside the vehicle so they are not exposed to the heat and outside elements as is the rack-mounted system.
- 4 The most _____ used type of power steering and involves using a manual rack-and-pinion steering gear assembly with a motor assist in the steering column.
- 5 All HEV and EV vehicles use _____ steering (EPS) systems, also called electric power-assisted steering (EPAS).
- 7 _____ torque sensor and the steering wheel position sensor are not serviced separately from each other or from the steering column assembly
- 9 The _____ uses the steering shaft torque sensor as a main input for determining steering direction and the amount of assist needed.