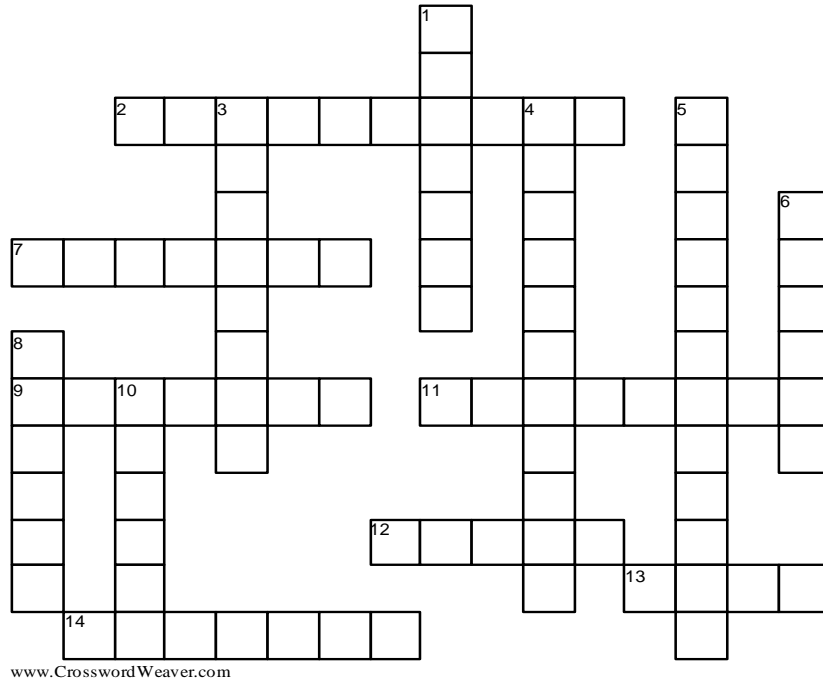


Automotive Electrical and Engine Performance 9th Edition

Chapter 34 - Fuel Pumps, Lines, and Filters



ACROSS

- 2 _____ pump: A type of fuel pump with impellers located around the edge, used to move fuel smoothly and efficiently.
- 7 _____ pump: An electric fuel pump that uses a rotating impeller to generate pressure and move fuel through the system.
- 9 _____ refueling vapor recovery (ORVR): A system that captures fuel vapors during refueling and directs them into the engine or carbon canister, reducing emissions.
- 11 _____ organic compound (VOC): Organic chemicals that easily evaporate at room temperature, contributing to air pollution if not managed properly.
- 12 _____ lock: A condition where fuel vaporizes in the fuel lines, blocking fuel flow and preventing the engine from starting or running properly.
- 13 _____-channel pump: A specialized fuel pump that uses side channels to transport fuel and separate air from the fuel mixture.
- 14 A type of positive displacement pump used in fuel systems, consisting of an inner and outer rotor that move fuel efficiently.

DOWN

- 1 _____ switch: A safety device that shuts off the fuel pump in the event of a sudden impact or rollover to prevent fuel leakage.
- 3 _____ or rest pressure: The fuel pressure that remains in the system after the engine is shut off, ensuring quick startup when restarted.
- 4 A device in the fuel system that maintains fuel pressure by storing fuel under pressure, ensuring a constant supply to the engine.
- 5 _____ pump: A pump that uses fluid motion and kinetic energy to move fuel, often found in specialized fuel delivery systems.
- 6 _____ cell: A type of electric fuel pump that uses rollers to move fuel through the pump body, providing high pressure.
- 8 _____ vane pump: A fuel pump that uses rotating vanes to create suction and move fuel through the system.
- 10 A structure inside the fuel tank designed to prevent fuel from sloshing during movement, helping to maintain stable fuel delivery.