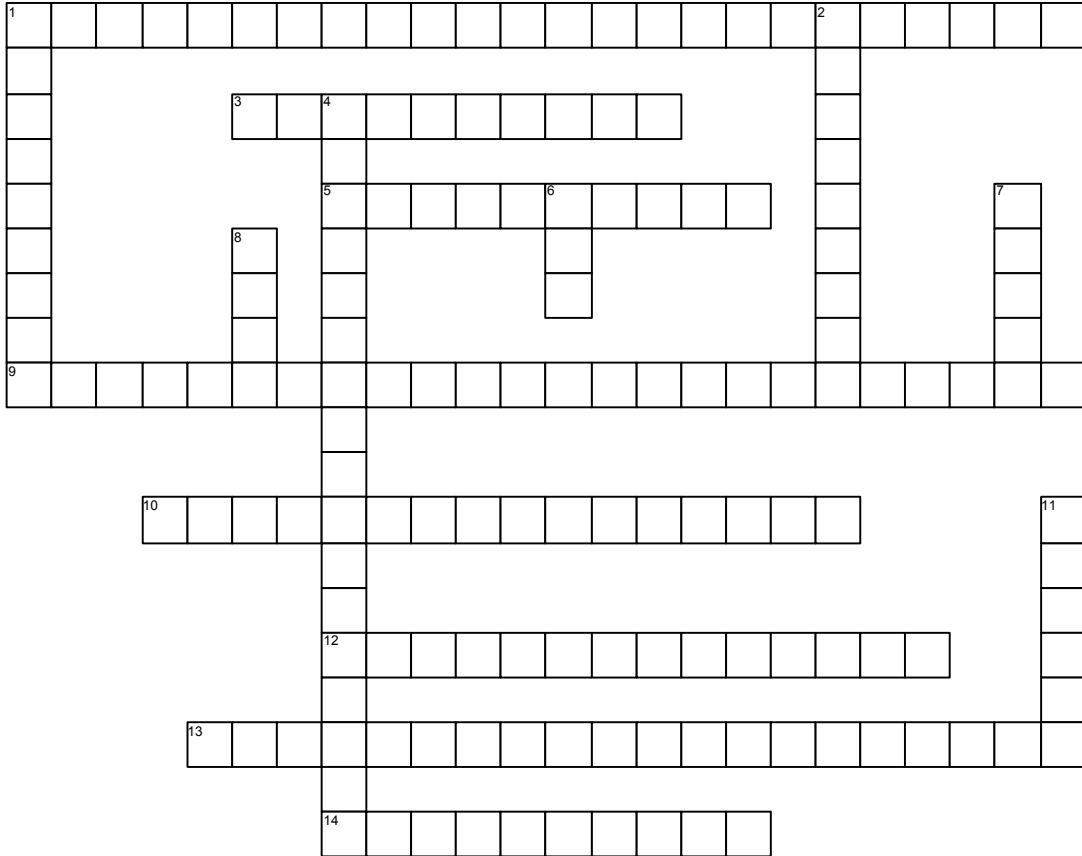


Evaporative Emission Control Systems

Chapter 83



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ACROSS

- 1 The purpose of the evaporative emission control system is to trap and hold gasoline vapors, also called _____.
- 3 The fuel tank _____ used on vehicles with modern EVAP systems use a special design.
- 5 By a process called _____, the fuel vapor molecules adhere to the carbon surface.
- 9 The _____ includes the charcoal canister, hoses, and valves.
- 10 A _____ sensor monitors the rate with which vacuum increases in the system.
- 12 The canister purge solenoid is _____.
- 13 A leak in a _____ can result in engine vacuum drawing in a constant flow of gasoline line vapors from the fuel tank.
- 14 The canister _____ is normally closed and is pulsed open by the PCM during purging.

DOWN

- 1 The canister _____ is a normally open valve and is closed only when commanded by the PCM during testing of the system.
- 2 _____ can build inside the fuel system and are usually measured in units of inches of water.
- 4 Many vehicles use a vacuum operated _____ as part of the evaporative control system diagnosis equipment.
- 6 On some vehicles, the _____ also has the capability of monitoring the integrity of the purge solenoid and circuit.
- 7 The most efficient method of leak detection is to introduce _____ under low pressure from a machine specifically designed for this purpose.
- 8 The _____ system was first introduced in some 1998 vehicles.
- 11 When pressure or _____ exceeds a calibrated value, the valve opens.