



T2 Pop Quiz - Fuel Injectors

The following T2 Pop Quiz tests your knowledge of Fuel Injectors. Students should choose the one answer that best completes the following statements or questions.

- 1) Throttle Body Injection (TBI) was used in the _____ on many vehicles as an intermediate step from electronic carburetion to multiport fuel injection.
 A. 1960s B. 1970s C. 1980s D. 1990s
- 2) TBI uses _____ fuel injectors mounted in a throttle body to fuel the engine.
 A. one or two B. three or four C. five or six D. seven or eight
- 3) Multiport fuel injection (MFI), which is used on almost all late-model engines, has a separate fuel injector for each _____.
 A. manifold B. regulator C. cylinder D. rail
- 4) MFI injectors are usually mounted in the intake manifold and spray fuel into the intake ports, but on some _____ "direct injection" applications, the injectors spray directly into the combustion chamber.
 A. Toyota B. General Motors C. Volkswagen D. Honda
- 5) Another variation of electronic fuel injection is _____ "Central Point Injection" (CPI) system.
 A. Chrysler's B. Toyota's C. Ford's D. General Motors'
- 6) Most injectors are electric and have a _____ valve at the top to open the nozzle.
 A. solenoid B. Schrader C. K-tronic D. Sabo
- 7) The Powertrain Control Module (PCM) calculates the "on-time" of each injector _____ to regulate fuel delivery.
 A. spout B. pulse C. load D. firing
- 8) Injector nozzles can become clogged with _____ over time, causing a loss of engine performance and misfiring.
 A. plaque B. scum C. gleam D. varnish
- 9) In _____ systems, gasoline is sprayed out of the injectors into the intake port where it is allowed to mingle with incoming air for a while before entering the combustion chamber.
 A. Cylinder Deactivation Injection B. Multi-Unit Injection
 C. Port Fuel Injection D. Returnless Fuel Injection
- 10) Direct Fuel Injection systems operate at higher pressures to maintain proper _____ and vaporization of fuel in the cylinder to promote complete combustion.
 A. atomization B. burning C. condensation D. distillation

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CONTEST ENDS NOVEMBER 7, 2007

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