Fuel Injection Systems
Chapter 41

ACROSS

3. Port fuel-injection systems generally use an ___ to control idle speed.

5. The computer uses signals from the ignition switch and RPM signals from the ignition system to energize the ___ circuit.

6. An ___ injector is simply a specialized solenoid.

7. A ___ system delivers fuel from a nozzle into the air above the throttle plate.

8. The PCM moves the throttle based on movement of the driver's foot as determined by an ___ sensor which is part of the accelerator pedal assembly.

9. A ___ design uses a nozzle for each cylinder and the fuel is squirted into the intake manifold about 2 to 3 inches from the intake valve.

10. The longer the ___ are held open, the greater the amount of fuel that is injected into the cylinder. The computer usually controls the operation of the ___.

11. Fuel pressure regulators on fuel-return-type fuel-injection systems are installed on the return side of the injectors at the end of the ___ or are built into or mounted upon the throttle-body housing.

12. The computer usually controls the operation of the ___.

13. Port fuel injectors are serviced as an assembly only; no part replacement or service is possible except for ___ seats.

14. Fuel pressure is modulated by a combination of spring pressure and manifold vacuum acting on the ___.

15. When the engine stops, most ___ are held open, the greater the amount of fuel that is injected into the cylinder. The computer usually controls the operation of the ___.

16. Since about 2000, most vehicles are equipped with an electric fuel injection system. ___ systems use a ___ to control the operation of fuel injectors at the end of the ___.

DOWN

1. The ___ injects fuel directly into each cylinder.

2. Electronic fuel injection systems use a ___ to control the operation of fuel injectors at the end of the ___.

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