Fuel Injection Systems
Chapter 31

ACROSS
5 The computer uses signals from the ignition switch and RPM signals from the ignition system to energize the ____ ____ circuit.
11 A ____ ____ system delivers fuel from a nozzle into the air above the throttle plate.
13 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.
15 The longer the ____ ____ are held open, the greater the amount of fuel that is injected into the cylinder.
16 Since about 2000, most vehicles are equipped with an ____ ____ system.

DOWN
1 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.
2 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.
3 Electronic fuel injection systems generally use an ____ ____ ____ ____ ____ ____ ____ to control idle speed.
4 Port fuel-injection systems use an injection nozzle that squirt fuel directly into each cylinder.
6 An ____ ____ ____ ____ ____ ____ ____ controls the operation of the ____ ____ ____ located inside, or near, the fuel tank by using an electric relay.