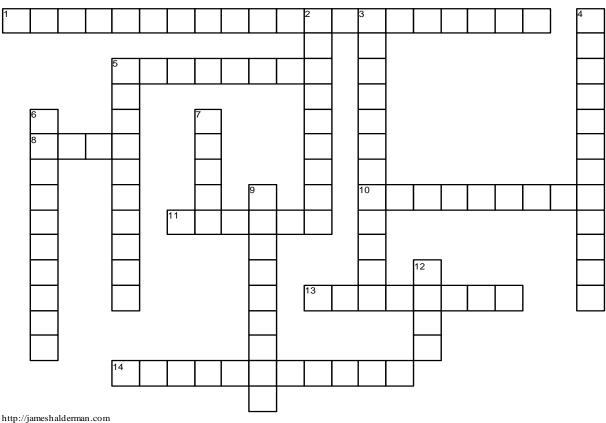
Fuel-Injection Components And Operation

Chapter 27



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1 The idle air control valve is also called an __ ___ valve. 5 A _____-injection 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. 8 The power driver contains a high-current transistor that controls the pump speed using pulse width modulation, this system is called 10 A pressure ____ is employed at the tank to relieve overpressure due to thermal expansion of fuel. 11 New technology needed to address pulsation dampening/hammering and fuel transient response, therefore, the _____ delivery system technology was developed. 13 A port fuel-injection system uses a pipe or tubes to deliver fuel from the fuel line to the intended fuel injectors, this pipe or tube is called the _____ 14 Some GM throttle-body units do not hold

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	permanent magnet motor called the
	control motor mechanically advances the throttle
	linkage to advance the throttle opening.
3	A pressure may also be used
	and can readily reconfigure an existing design
	fuel sender into a returnless sender.
4	Ainjection system delivers fuel
	from a nozzle into the air above the throttle
	plate.
5	The on-time in milliseconds that the nozzle is
	open is called the injector
6	In this system, the injectors are timed and
	pulsed individually, much like the spark plugs
	are sequentially operated in firing order of the
	engine, this system is often called
	fuel injection.
7	An increase and then decrease in engine speed
	is often called an engine
9	The method for pulsing injectors in groups is
	sometimes called
12	The first production returnless systems
	employ ed the approach.

2 In some applications, an externally mounted



pressure and are called _