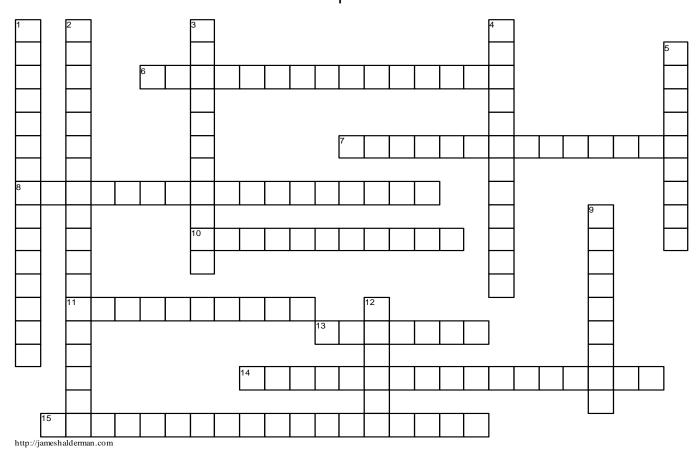
Fuel-Injection System Diagnosis And Service Chapter 83



ACROSS

- for the ______ test involves using an electrical timing device to pulse the fuel injectors for a given amount of time, usually 500 ms or 0.5 second, and observing the drop in pressure that accompanies the pulse.
- 7 An electronic stepper motor or pulse-width modulated solenoid is mused to maintain the correct idle speed, this is of ten called the __________.
- 8 The _____ test involves measuring the injector coil winding resistance.
- **10** A ______ type is typically used for TBI and some port low-resistance injectors.
- 11 Due to the resistance and inductive reactance of the coil itself, it requires a fraction of a second for the coil to reach

		or	max	imum
current	flow.			

- 13 If gasoline is v isible in the v acuum hose, the regulator is ____ and should be replaced.
- 14 If the vacuum hose is removed from the fuel-____ when the engine is running, the fuel pressure should increase.
- 15 Using a pressure transducer and a _____ allows the service technician to view the fuel pressure over time.

DOWN

- 1 In a ______- type injector-driven circuit, voltage is applied to the injector.
- 2 Using a _____ and a digital storage oscilloscope allows the service

- technician to view the fuel pressure over time.
- 3 A commonly used test for injector operation is to listen to the injector using a stethoscope with the engine operating at idle speed
- 4 During port fuel-injection pressure regulator diagnosis, connect a ____gauge to monitor the fuel pressure.
- **5** A _____ is designed to electrically replace the injector in the circuit and to flash if the injector circuit is working correctly.
- 9 Normal ____ or percentage is usually 15 to 25.
- **12** Most port-fuel-injected engines use a _____ hose connected to the fuel-pressure regulator.

