Fuel-Injection System Diagnosis And Service
Chapter 23

ACROSS

1. A commonly used test for injector operation is to listen to the injector using a stethoscope with the engine operating at idle speed.
2. Using a pressure transducer and a digital storage oscilloscope allows the service technician to view the fuel pressure over time.
3. A...-... type is typically used for TBI and some port low-resistance injectors.
4. The...-... involves measuring the injector coil winding resistance.
5. Using a pressure transducer and a...-... allows the service technician to view the fuel pressure over time.
6. An electronic stepper motor or pulse-width modulated solenoid is used to maintain the correct idle speed, this is often called the...
7. Normal... or percentage is usually 15 to 25.
8. An electronic stepper motor or pulse-width modulated solenoid is used to maintain the correct idle speed, this is often called the...
9. Most port-fuel-injected engines use a... hose connected to the fuel-pressure regulator.
10. If gasoline is visible in the vacuum hose, the regulator is... and should be replaced.
11. In a...-...-... injector-driven circuit, voltage is applied to the injector.
12. If the vacuum hose is removed from the...-... when the engine is running, the fuel pressure should increase.
13. Due to the resistance and inductive reactance of the coil itself, it requires a fraction of a second for the coil to reach...-... or maximum current flow.
14. During port fuel-injection pressure regulator diagnosis, connect a...-... to monitor the fuel pressure.
15. The...-... 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.

DOWN

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