Diesel Engine Operation And Diagnosis Chapter 19



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ACROSS

- 2 _____ is a method used to reduce NOx emissions by injecting urea into the exhaust stream.
- 4 In an ______ diesel engine, fuel is injected into a small prechamber, which is connected to the cylinder by a narrow opening.
- A _____ is a heating element that uses 12 volts from the battery and aids in the starting of a cold engine by providing heat to help the fuel to ignite.

_____are used in all light-duty diesel

vehicles, since 2007.

- individual fuel injectors. 12 The process of purging soot
 - from the DPF is described as
- **13** Another name for particulate matter is _____.
- **15** The diesel fuel is usually drawn from the fuel tank by a separate pump, called a ______ and delivers the fuel to the injection pump.
- **16** Between the fuel tank and the lift pump is a _____-
- 17 The ______ has two
 - pressure sample lines.

19 Ford 7.3 and 6.0 liter diesels use a system called a

_____ system.

DOWN

- 5 Ina____
- diesel engine, fuel is injected directly into the cylinder.6 ______
- _____are used in all light-duty diesel engines,

since 2007.

- 8 ______ refers to tiny paticles of solid or semisolid material suspended in the atmosphere.
- 9 Urea is called _____ in North America and AdBlue in Europe.
- 10 Incoming air is compressed until its temperature reaches about 1,000°F (540°C) and is called _______
- 14 A _____ is a device used for checking a diesel injector nozzle for proper spray pattern.
- **18** _____ is used as nitrogen fertilizer.

