Diesel Engine Operation
Chapter 16

ACROSS
3. Newer diesel engines use a fuel delivery system referred to as a ______-_________ design.
4. ________ are used in all light-duty diesel vehicles, since 2007, to meet the exhaust emissions standards for particulate matter.
5. Urea is called ______ _______ in North America.
6. _______ is an electrical 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.
7. Ford 7.3 and 6.0 liter diesel engines use a system called a _______ _______ ________ system.
8. _______ is when incoming air is compressed until its temperature reaches about 1,000°F (540°C).
9. In an _______ diesel engine, fuel is injected into a small prechamber, which is connected to the cylinder by a narrow opening.
10. Between the fuel tank and the lift pump is a ______-____-

11. In the process of purging soot from the DPF is described as ________.

13. Instead of using large amounts of exhaust gas recirculation, the SCR system uses a ________.
14. In a _______ diesel engine, fuel is injected directly into the cylinder.
15. _______ is a method used to reduce NOx emissions by injecting urea into the exhaust stream.
16. Another name for particulate matter is ______.

DOWN
1. _______ is a type of catalytic converter used in all light-duty diesel engines, since 2007.
2. The diesel fuel is usually drawn from the fuel tank by a separate pump, called a _______ and delivers the fuel to the injection pump.
3. A diesel engine uses a fuel system with a precision _______ and individual fuel injectors.
4. The process of purging soot from the DPF is described as ________.