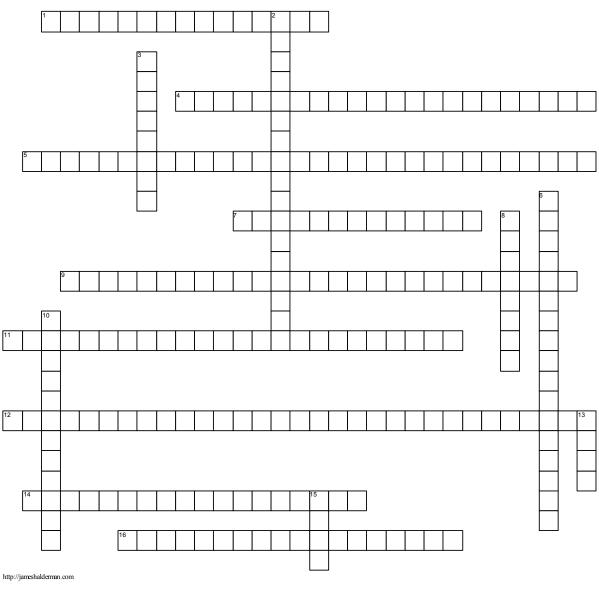
Diesel Engine Operation

Chapter 15



AC	R	JSS

- diesel engine, fuel is injected directly into the cylinder.
- 4 Newer diesel engines use a fuel delivery system referred to as a __design.
- 5 Ford 7.3 and 6.0 liter diesels use a system called a_
- system.
- 7 A diesel engine uses a fuel system with a precision and individual fuel injectors.
- a method used to reduce NOx emissions by injecting urea into the

ex	hai	ust	S	re	an	n

- type of catalytic converter used in all light-duty diesel engines, since 2007.
- _are used in all light-duty diesel vehicles, since 2007, to meet the exhaust emissions standards for particulate matter.
- 14 Urea is called_ _in North America.
- 16 Between the fuel tank and the lift pump is a_

DOWN

_diesel engine, fuel is injected into a small

- prechamber, which is connected to the cylinder by a narrow opening.
- A_____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.
- incoming air is compressed until its temperature reaches about 1,000°F
- 8 The diesel fuel is usually drawn from the fuel tank by a separate pump, and delivers the called a fuel to the injection pump.
- 10 The process of purging soot from the DPF is described as _
- 13 Another name for particulate matter

15 Instead of using large amounts of exhaust gas recirculation, the SCR system uses a _____.