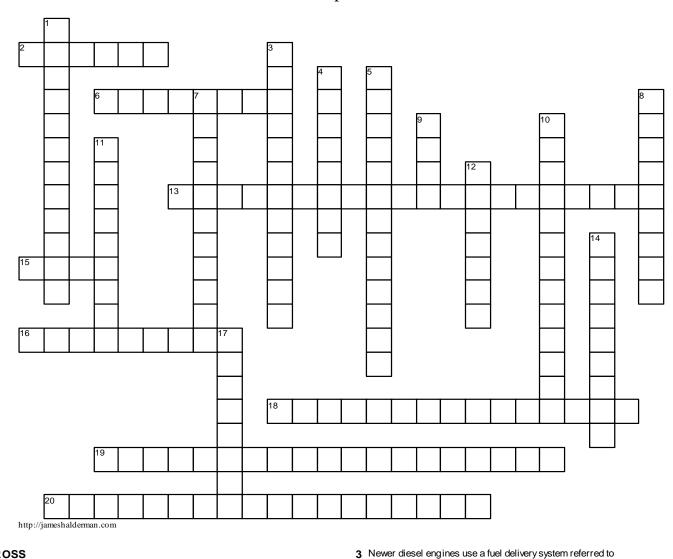
## **Diesel Engine Operation And Diagnosis** Chapter 4



## ACROSS

			as a common rail design.
2	Incoming air is compressed until its temperature reaches	4	In an injection diesel engine, fuel is injected into
	about 1,000°F (540°C) and is called compression.		a small prechamber, which is connected to the cylinder by a
6	A is a heating element that uses 12 volts from		narrow opening.
	the battery and aids in the starting of a cold engine by	5	A diesel engine uses a fuel system with a precision
	providing heat to help the fuel to ignite.		and individual fuel injectors.
13	The sensor has two pressure	7	matter refers to tiny particles of solid or
	sample lines.		semisolid material suspended in the atmosphere.
15	Another name for particulate matter is	8	A is a device used for checking a diesel injector
16	Between the fuel tank and the lift pump is a		nozzle for proper spray pattern.
	separator.	9	is used as nitrogen fertilizer.
18	In a diesel engine, fuel is injected 1	0	Urea is called fluid in North America and
	directly into the cylinder.		AdBlue in Europe.
19	Ford 7.3 and 6.0 liter diesels use a system called a 1	1	catalytic reduction is a method used to reduce
	unit injection system.		NOx emissions by injecting urea into the exhaust stream.
20	Diesel filters are used in all light-	2	means the percentage of light that is blocked by
	duty diesel vehicles, since 2007.		the exhaust smoke.
	1	4	Diesel catalysts are used in all light-duty diesel
DOWN			engines, since 2007.
	1	7	The diesel fuel is usually drawn from the fuel tank by a
1	The process of purging soot from the DPF is described as		separate pump, called a and delivers the fuel to
			the injection pump.

