Fuel Pumps, Lines, And Filters
Chapter 19

ACROSS

2 A ______ ____ consists of a central impeller disk, several rollers or vanes that ride in notches in the impeller, and a pump housing that is offset from the impeller centerline.

4 With late-model vehicles, there has been some concern about too much heat being sent back to the fuel tank, causing rising in-tank temperatures and increases in fuel vaporization and ______ ______ emissions.

5 Creating and maintaining a correct air-fuel mixture requires a properly functioning fuel and air ______ ______.

6 A ______ is the most common because it tends to be less noisy.

10 Some manufacturers use an ________ in the system to reduce pressure pulses and noise.

14 In the ______ or vane pump, the impeller draws fuel into the pump, and then pushes it out through the fuel line to the injection system.

15 ______ ______ ______ prevents vapor lock and hot-start problems.

DOWN

1 The word hydro means liquid and the term kinetic refers to motion, so the term ______ ______ means that this design of pump rapidly moves the fuel to create pressure.

3 Ford vehicles use an ______ ______.

7 If any part of the line is located near too much heat, the gasoline passing through it vaporizes and ______ occurs.

8 The final filter, also called a ______ ______, is the last filter in the fuel system.

9 Variations of the basic one-way ______ may be installed in any number of places between the fuel tank and the engine.

11 An internal gear pump, called a ______, is another type of positive displacement pump that is often used in engine oil pumps.

12 A vertical ______ in fuel tanks limits fuel sloshing as the vehicle moves.

13 ______ systems have been developed to reduce evaporative emissions during refueling.