Fuel Pumps, Lines, And Filters
Chapter 26

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.