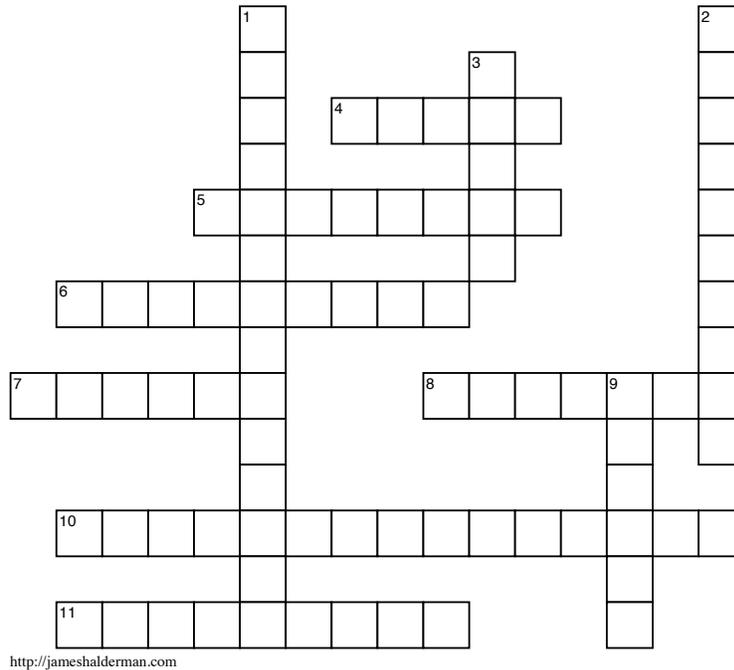


Automatic Transmission/Transaxle Hydraulic System

Chapter 3



ACROSS

- 4 Many automatic transmissions use a _____-sized positive displacement pump.
- 5 _____ displacement pumps are also positive displacement in that they will pump a certain volume on each revolution, but the displacement, and therefore the fluid volume, can be changed.
- 6 Transmission oil pumps are capable of creating an excessive amount of pressure quickly and therefore, every transmission uses a pressure _____ valve, or pressure control valve, to control hydraulic pressure.
- 7 A _____ seal is used to seal the space between two parts that are stationary relative to each other.
- 8 A _____ seal has a more difficult job because one of the surfaces to be sealed is moving relative to the seal.
- 10 Some servo valves operate switch valves, and some help _____ regulator valves.
- 11 The _____ enables an automatic transmission/transaxle to operate automatically and is often referred to as the "brain" of the transmission.

DOWN

- 1 The _____ exerted by a valve is simply the valve land area multiplied by fluid pressure.
- 2 _____, often called fluid power, is a method of transmitting motion and/or force using a fluid.
- 3 Gaskets and _____ are used to keep pressure from escaping where fluid flows between parts.
- 9 The _____ valve is the only hydraulic valve in the transmission that is "manually" controlled by the driver.