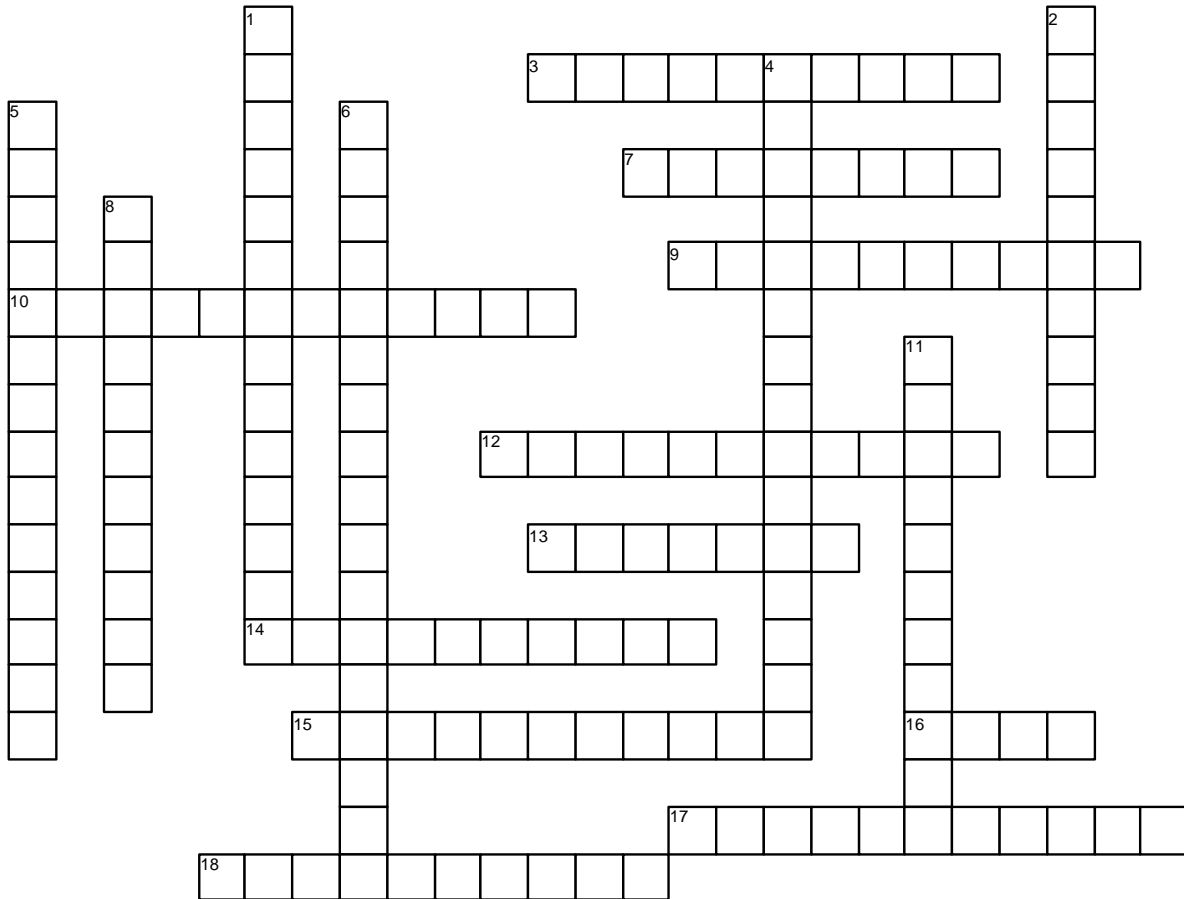


# Automatic Transmission/Transaxle Hydraulic System

## Chapter 3



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### ACROSS

- 3 A \_\_\_\_\_ is used to seal the space between two parts that are stationary relative to each other.
- 7 Pressure-regulated fluid is often called \_\_\_\_\_ pressure or supply pressure.
- 9 A \_\_\_\_\_ is used to move another valve. Some operate switch valves and some help control pressure regulator valves.
- 10 Another name for mainline pressure is \_\_\_\_\_.
- 12 Units that include the TCM within the transmission/transaxle are commonly called a \_\_\_\_\_.
- 13 The term \_\_\_\_\_ refers to fluid flow back to the pan to empty or drain a circuit.
- 14 \_\_\_\_\_ is another name for hydraulics.
- 15 The \_\_\_\_\_ is the only

hydraulic valve in the transmission that is "manually" controlled by the driver.

- 16 The hydraulic force exerted by a valve is simply the valve \_\_\_\_\_ area multiplied by fluid pressure.
- 17 The detent cam is commonly called a \_\_\_\_\_.
- 18 \_\_\_\_\_ is a method of transmitting motion and/or force using a fluid.

### DOWN

- 1 Some transmissions use a \_\_\_\_\_ valve to release excess pressure that might occur under certain operating conditions.
- 2 A \_\_\_\_\_ gets its name because it looks similar to the spool that holds sewing thread.
- 4 The valve body supplies the hydraulic force to apply the

clutches, bands, and the valves that \_\_\_\_\_ and direct the fluid for automatic shifts.

- 5 One of the three valve categories that is used to control fluid pressure is \_\_\_\_\_.
- 6 Transmission oil pumps are capable of creating an excessive amount of pressure quickly and therefore, every transmission uses a \_\_\_\_\_ valve to control hydraulic pressure.
- 8 A \_\_\_\_\_ has a difficult job because one of the surfaces to be sealed is moving relative to the seal.
- 11 A \_\_\_\_\_ controls fluid flow into the different circuits and is also called a flow control valve.