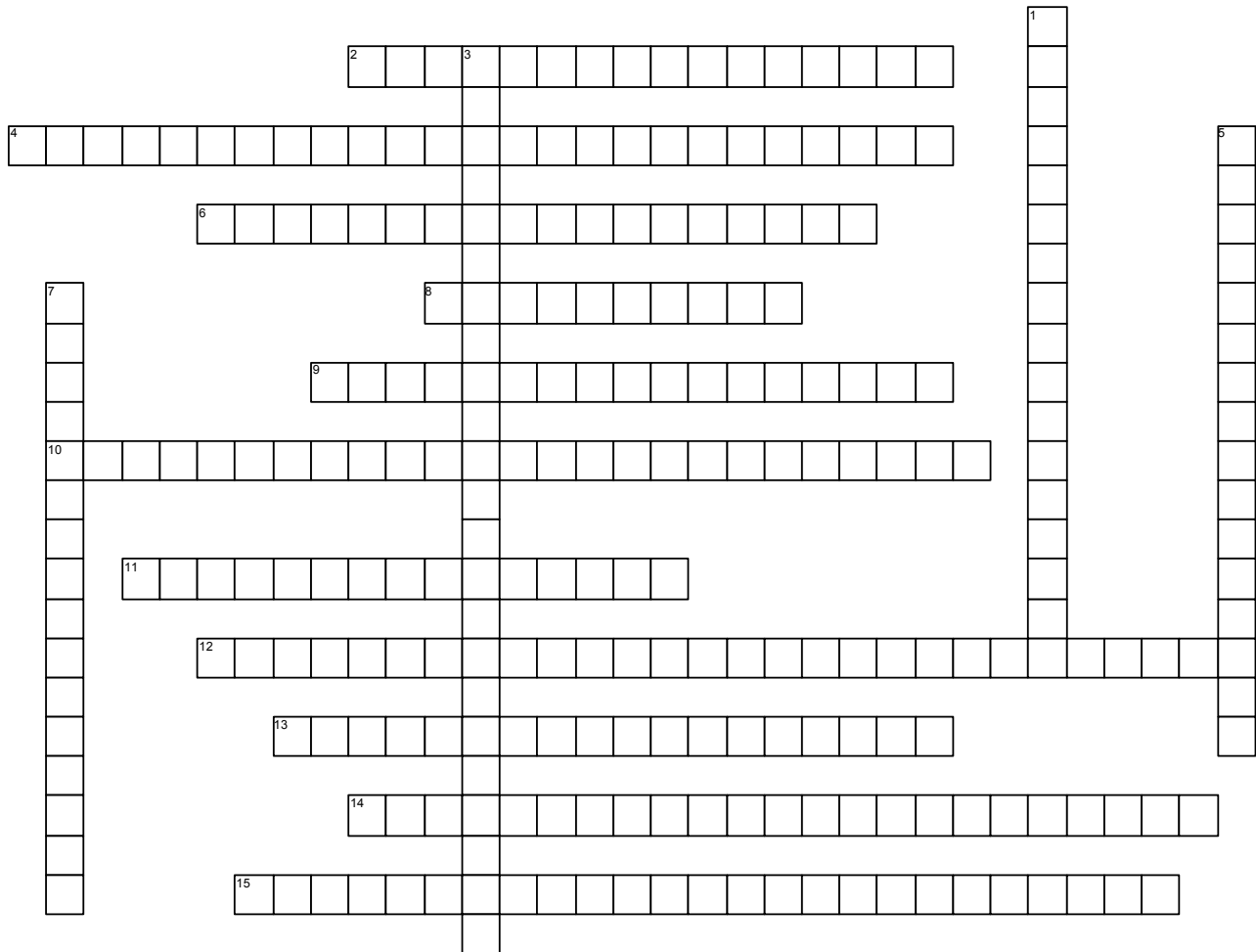


# Electronic Transmission Controls

## Chapter 9



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### ACROSS

- 2 Adaptive control is also known as \_\_\_\_\_.
- 4 The \_\_\_\_\_ is normally closed, which results in high regulated pressure.
- 6 The \_\_\_\_\_ is another name for the input speed sensor.
- 8 The \_\_\_\_\_/\_\_\_\_\_ switch signals the TCM that the brake is applied, and the TCC should be released.
- 9 Chrysler refers to the adaptive control as the \_\_\_\_\_, which is the length of time it takes to fill the clutches with fluid.
- 10 GM calls their adaptive control \_\_\_\_\_.

system, which manages oil pressure to control clutch fill rates.

- 11 \_\_\_\_\_ keeps shift duration within a certain time period as determined by the driver's habits.
- 12 The \_\_\_\_\_ is usually a thermistor, a type of variable resistor that changes electrical resistance relative to temperature.
- 13 Another name for the output speed sensor is the \_\_\_\_\_.
- 14 The \_\_\_\_\_ is used as an input to the PCM/TCM, which indicates the drive range requested by the driver.
- 15 An automatic transmission can

be controlled by its own computer, called a

\_\_\_\_\_.

### DOWN

- 1 The \_\_\_\_\_ is used by the PCM for speedometer and cruise control operation as well as for transmission/transaxle operation and shift-related fault detection.
- 3 The \_\_\_\_\_ is another name for the electronic pressure control.
- 5 Altering the ignition timing during the shift decreases the load on the transmission and increase transmission life, this is called \_\_\_\_\_.
- 7 \_\_\_\_\_ measures

the speed of the input shaft, which is the same or almost the same as the engine speed.