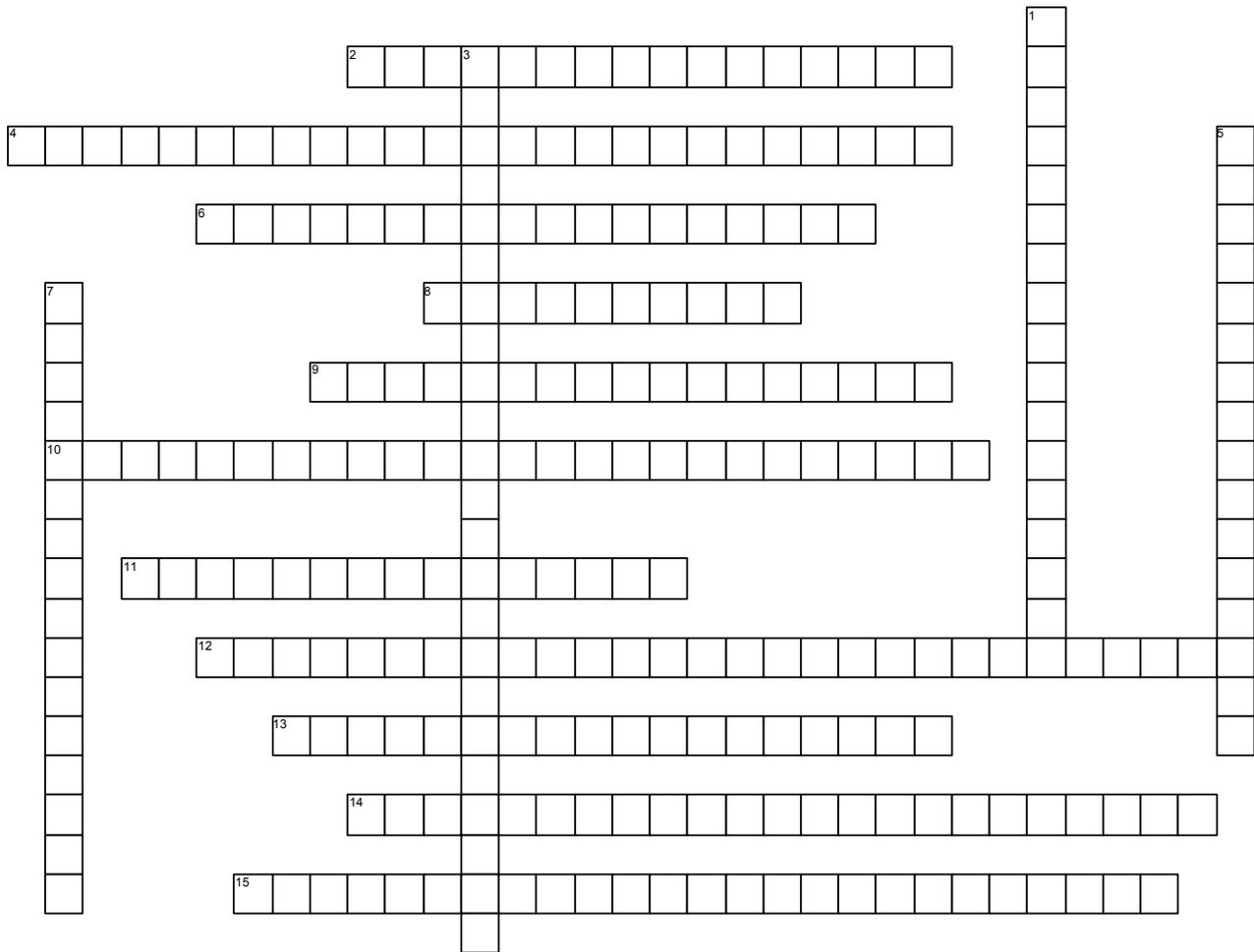


Electronic Transmission Controls

Chapter 27



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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.