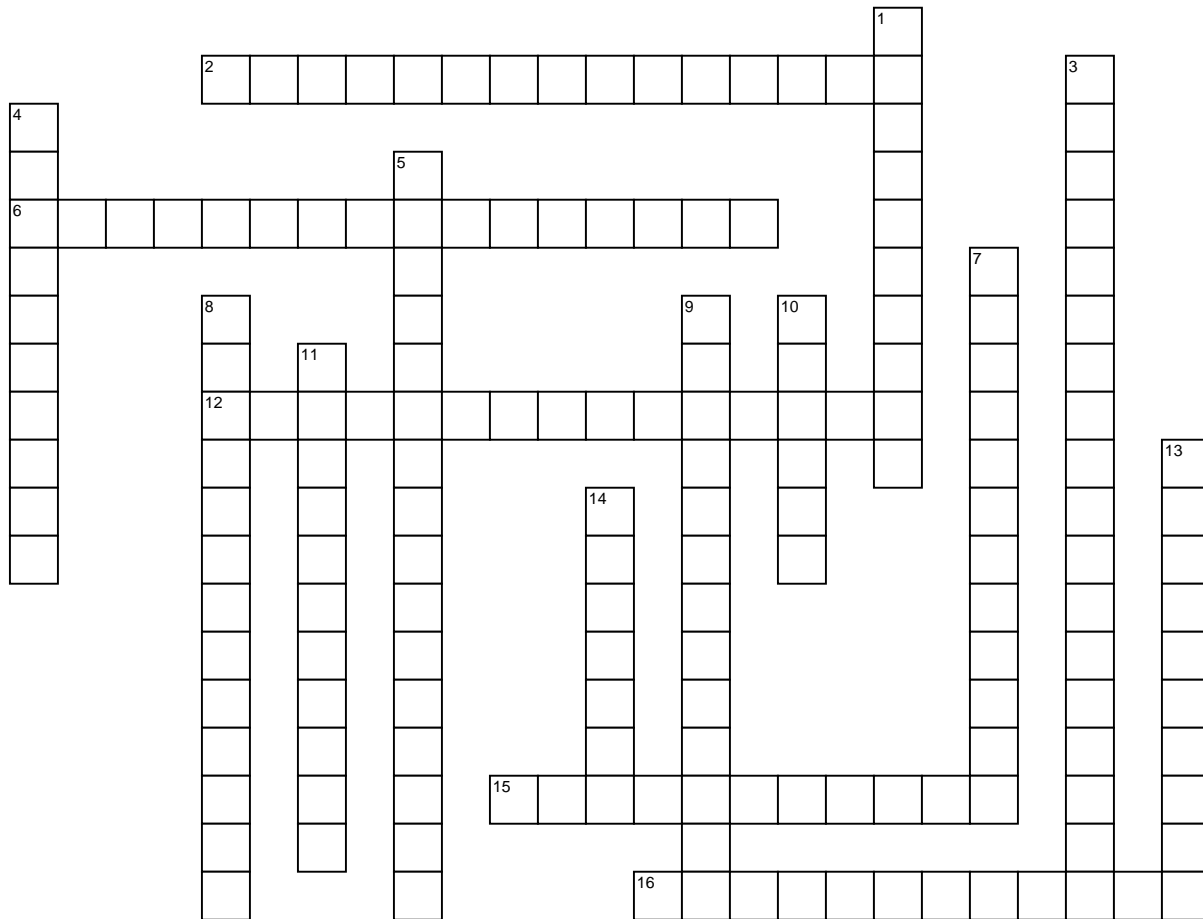# Electronic Transmission Controls
## Chapter 10

**ACROSS**

**2** Another name for Electronic Pressure Control (EPC) is _____ _____ solenoid.

**6** Another term for adaptive control is _____ _____.

**12** _____ _____ keeps shift duration within a certain time period as determined by the drivers habits.

**15** The _____ _____ sensor is used by the PCM for speedometer and cruise control operation as well as for transmission/transaxle operation and shift related fault detection.

**16** Another name for output speed sensor is _____ _____ sensor.

**DOWN**

**1** Honda's _____ _____ volume index is shown on a scan tool as a number. The higher the number, the more fluid volume is required to fill a clutch and can be used to see if there are worn friction plates in a certain clutch pack.

**3** The transmission's hydraulic pump pressure regulator valve is controlled by the pressure regulator valve that is controlled by a pulse-width-modulator solenoid called _____ _____ control.

**4** The brake switch is also called a _____ __/___ switch.

**5** The transmission _____ _____ sensor can also be called a transmission oil temperature sensor.

**7** A _____ _____ sensor is also called an input speed sensor because it is used to determine the speed of the turbine shaft.

**8** General Motors calls their adaptive control Transmission _____ _____ (TAP) system, which manages oil pressure to control clutch fill rates.

**9** An automatic transmission can be controlled by its own computer, called a transmission _____ _____.

**10** _____ management provides accurate control of shift timing and provides a smoother driving experience.

**11** The transmission _____ _____ is used as in input to the PCM/TCM, which indicates the drive range request by the driver.

**13** The _____ _____ sensor measures the speed of the input shafts on automatic transmissions/transaxles.

**14** A _____ or limp-in gear is the forward speed that is used if there is a failure in the electronic or computer system.