Electronic Transmission Controls
Chapter 9

ACROSS

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.

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

6. ______ management provides accurate control of shift timing and provides a smoother driving experience.

8. Another term for adaptive control is ______ ______.

9. 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.

12. ______ ______ keeps shift duration within a certain time period as determined by the driver's habits.

13. Another name for output speed sensor is ______ ______ sensor.

14. An automatic transmission can be controlled by its own computer, called a transmission ______ ______.

16. 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.

17. The brake switch is also called a ______/____ switch.

18. The transmission ______ ______ sensor can also be called a transmission oil temperature sensor.

DOWN

1. Chrysler refers to the adaptive control as the ______ ______ index (CVI), which is the length of time it takes to fill the clutch with fluid.

2. The ______ ______ sensor measures the speed of the input shafts on automatic transmissions/transaxles.

3. A ______ ______ sensor is also called an input speed sensor because it is used to determine the speed of the turbine shaft.

5. Another name for Electronic Pressure Control (EPC) is ______ ______ solenoid.

7. The transmission ______ ______ is used as an input to the PCM/TCM, which indicates the drive range request by the driver.

10. Most speed sensors use a coil of wire that is wrapped around a ______ core.

11. Some speed sensors are ______ ______ and create an on-off square wave signal that is used directly by the PCM/TCM for speed detection.

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