Throttle Position (TP) Sensors
Chapter 16

ACROSS

1. As part of the _____________ for the MAP and/or MAF sensor, the TP sensor signal is compared to the reading from other sensors to determine if they match.

4. The ________________ will be released if the PCM detects rapid acceleration to help the transmission deliver maximum torque to the drive wheels.

5. According to Ford, if the ____________ is at 40%, then the TP sensor voltage should be 2.37V.

6. A typical TP sensor has three wires, one is a ___________ feed wire from the computer.

7. The TP sensor is mounted to the ____________.

8. The TP sensor consists of a ____________, a type of variable resistor.

9. When the TP sensor voltage is at idle, the PCM then controls idle speed using the ____________ and/or spark timing variation to maintain the commanded idle speed.

11. A P0122 DTC would indicate _____________ ____________.

12. If the TP sensor is showing WOT, the __ and/or MAF reading should also indicate that the engine is under a heavy load.

13. If the throttle is depressed to the floor during engine cranking, the PCM will either greatly reduce or entirely eliminate any fuel-injector pulses to aid in cleaning a flooded engine, this is called ____________ ____________.

14. A typical TP sensor has three wires, one is a ___________ ____________ back to the computer.

15. A P0123 DTC would indicate ____________ ____________.

DOWN

2. Most computer-equipped engines use a ____________ ____________ to signal to the computer the position of the throttle.

3. The PCM supplies the TP sensor with a ____________ ____________ that ranges from 4.8 to 5.1 volts.

10. If the 5 volts to the sensor is too high or too low, then the sensor output will be ____________