

Name _____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1) What is the difference between faults when the TPMS warning lamp is on compared with when it is flashing?

2) What information is sent to the TPMS controller from the sensor?

3) How does the use of wheel speed sensors detect a tire with low inflation pressure?

4) What are the three modes of TPMS sensor operation?

5) TPMS pressure sensors can be made by what manufacturer?

6) After removing a stem-type pressure sensor to replace a tire or perform a tire repair, what should be replaced?

7) What is the percentage of vehicles that each vehicle manufacturer must equip with TPMS?

Answer Key

Testname: AAEE_SHORT22

- 1) A flashing TPMS warning light indicates that a fault has been detected. If the TPMS warning lamp is on, this means a low tire has been detected.
Page Ref: 331
- 2) The information sent from the TPMS sensor to the controller includes sensor identification, tire inflation pressure, air temperature (some sensors) and battery voltage of the sensor (some sensors).
Page Ref: 332
- 3) A low tire will rotate faster than a properly inflated tire and this difference can be detected by the wheel speed sensors.
Page Ref: 327
- 4) The three modes of operation include the Active mode, Sleep mode and Alert mode.
Page Ref: 330
- 5) Beru
Lear
Pacific
Schrader
Siemens
TRW
Page Ref: 330
- 6) Whenever a stem-type TPMS sensor is replaced the following items should also be replaced: valve cap, valve core (nickel plated only), nut and grommet.
Page Ref: 334
- 7) 100% of all 2008 and newer vehicles must be equipped with direct reading TPMS system. Earlier vehicles were phased in starting with 2004 model year vehicles.
Page Ref: 328