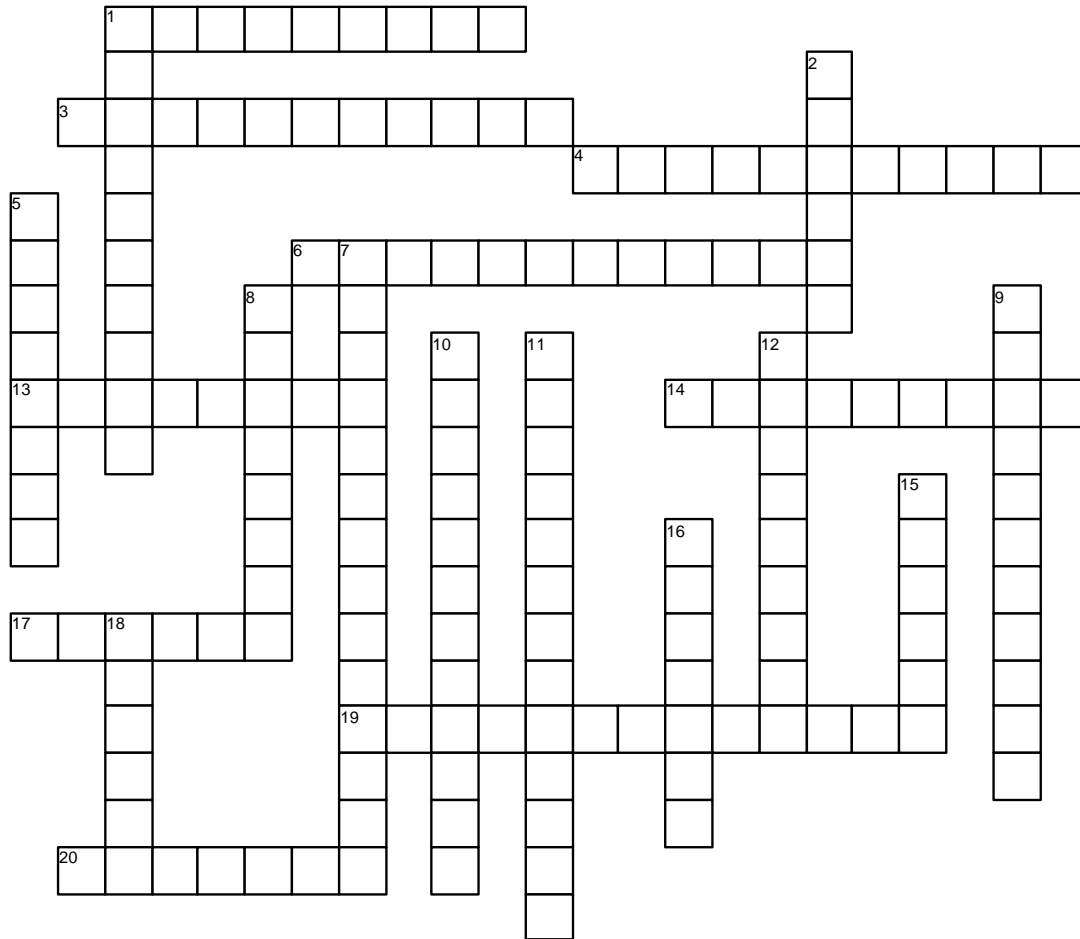


Tire-Pressure Monitoring Systems

Chapter 5



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ACROSS

- 1 _____ is triggered if a rapid change in inflation pressure is detected.
- 3 New tire-pressure warning sensors are shipped in _____.
- 4 The term _____ inflation pressure is used in service information to indicate the specified tire inflation pressure.
- 6 A _____ monitoring system is a system that detects a tire that has low inflation pressure and warns the driver.
- 13 _____ tire pressure monitoring systems do not measure the actual tire pressure.
- 14 _____-_____ mounted sensors use the valve as the transmitter.
- 17 _____ tire pressure monitoring systems use a pressure sensor in each wheel that detects and transmits the tire pressure to a TPMS controller.

- 19 A replacement TPMS transmitter has an 8-digit number, called the _____, on each valve/transmitter assembly.
- 20 Another name for initialization is _____.

DOWN

- 1 _____ is when the sensor inside detects that the vehicle is traveling above 20 mph.
- 2 The tires become _____ while the vehicle is being driven.
- 5 If a vehicle has an _____ tire valve stem, it is equipped with a direct tire pressure monitoring system.
- 7 After checking that all four tires are the same size and condition, the system may require _____.
- 8 The _____ requires that all vehicles be equipped with a tire-pressure monitoring system that will warn the driver in the event of an

underinflated tire.

- 9 Low tire-inflation pressure reduces _____ due to increased rolling resistance of the tires.
- 10 _____ triggered-type sensors are designed to trigger a tester if exposed to a powerful magnetic force.
- 11 The _____ method is when it is required lowering the inflation pressure by 5 to 10 PSI.
- 12 _____ is when the vehicle is stopped, the sensor "goes to sleep" to help improve battery life.
- 15 _____ sensors are installed in the drop well of the wheel and _____ or clamped to keep them secure.
- 16 If the TPMS warning lamp is on at _____, the system has detected a tire with low inflation pressure.
- 18 When a vehicle turns a corner, the outside wheels _____ faster than the inside wheels.