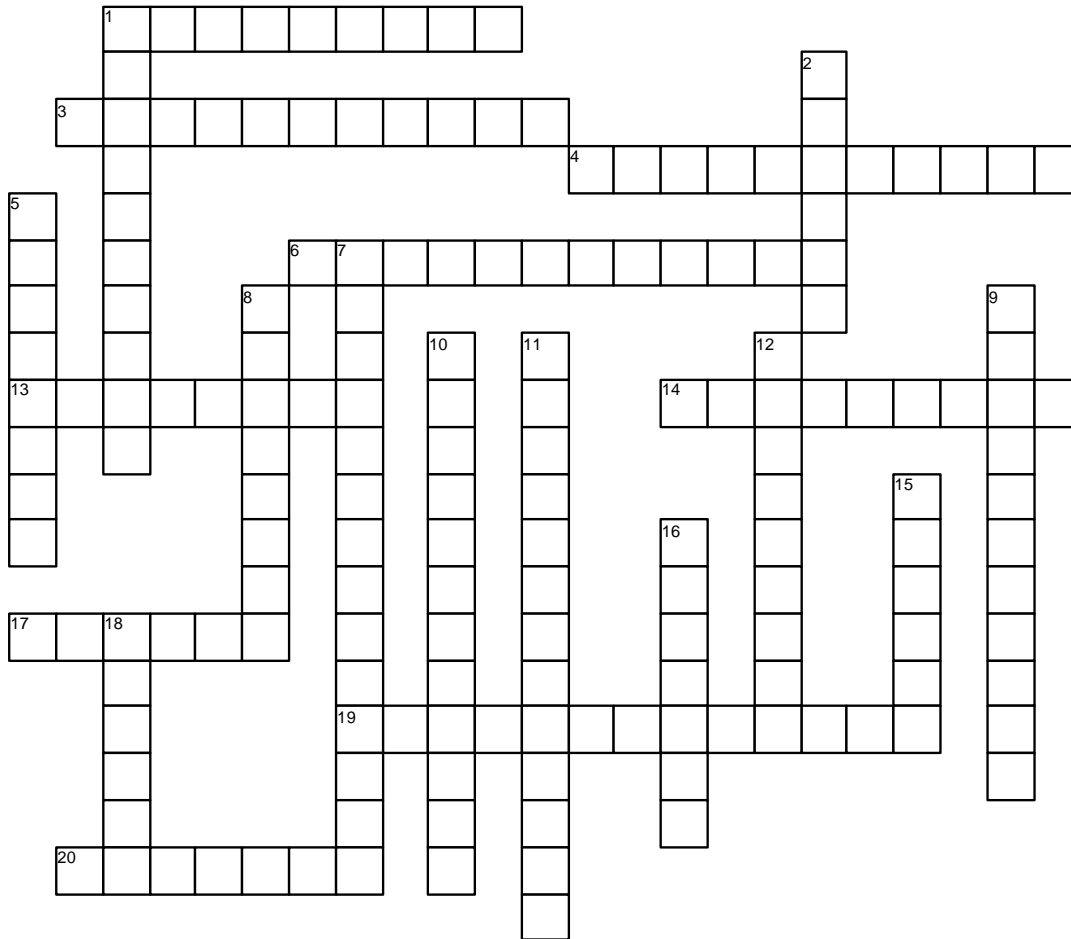


# Tire-Pressure Monitoring Systems

## Chapter 23



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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.

