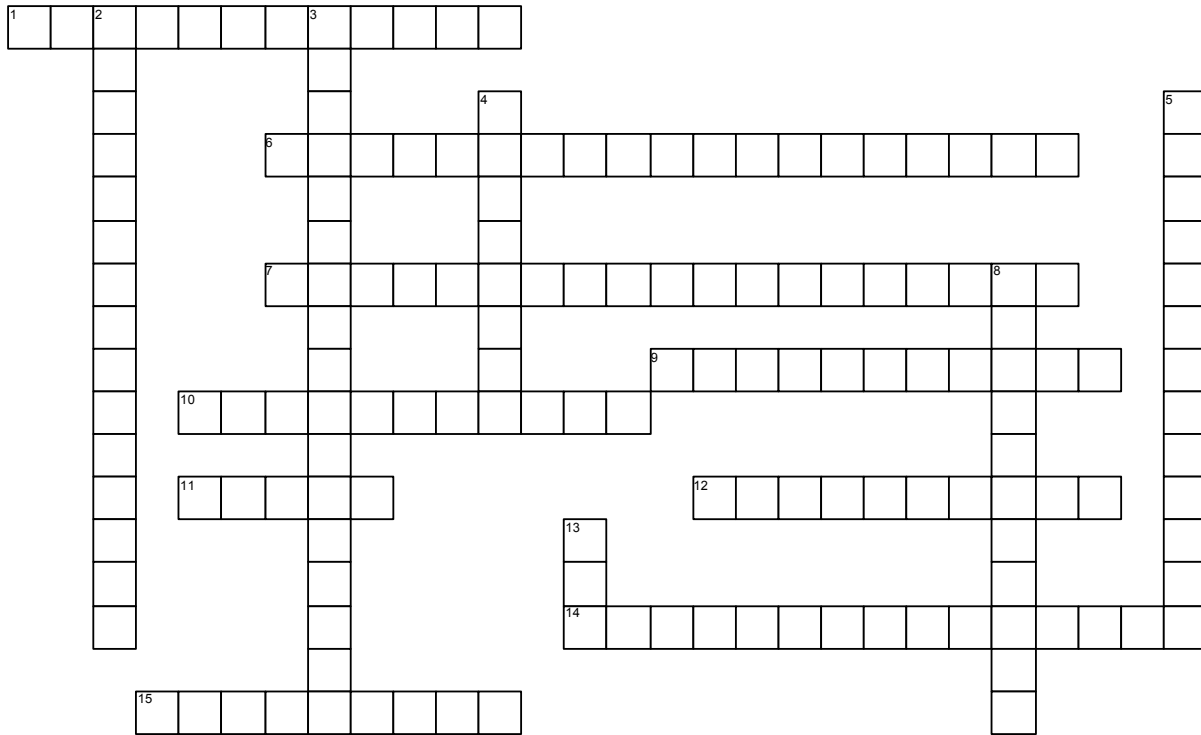


Automotive Wiring And Wire Repair

Chapter 44



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ACROSS

- 1 _____ are 4 to 2/0 gauge electrical cables with large clamps attached and are used to connect a vehicle that has a discharged battery to a vehicle that has a good battery.
- 6 _____ are uninsulated.
- 7 _____ are used to protect wiring from a direct short-to-ground.
- 9 Most automotive wire, except for spark plug wire, is often called _____ because it is designated to operate at or near battery voltage.
- 10 A _____ is a type of fuse that consists of a short length of standard copper-strand wire covered with a special nonflammable insulation.
- 11 _____ should be used in every circuit to protect the wiring from overheating and damage caused by excessive current flow as a result of a short circuit or other malfunction.
- 12 The _____ is the term used to describe how high-frequency AC electricity flows through a conductor.
- 14 _____ are mechanical units made of two different metals that deform when heated and open a set of contact points that work in the same manner as an "off" switch.
- 15 The term _____ usually refers to the plastic portion that snaps or connects together, thereby making the mechanical connection.

DOWN

- 2 Most manufacturers indicate on the wiring diagrams the _____ sizes measured in square millimeters of cross-sectional area.
- 3 Wiring is sized and purchased according to gauge size as assigned by the _____ system.
- 4 A _____ is a metal fastener attached to the end of a wire, which makes the electrical connection.
- 5 _____ are the largest wires used in the automotive electrical system.
- 8 A _____ is used to transmit low-voltage signals using two wires that are twisted together.
- 13 _____ circuit protectors are solid state.