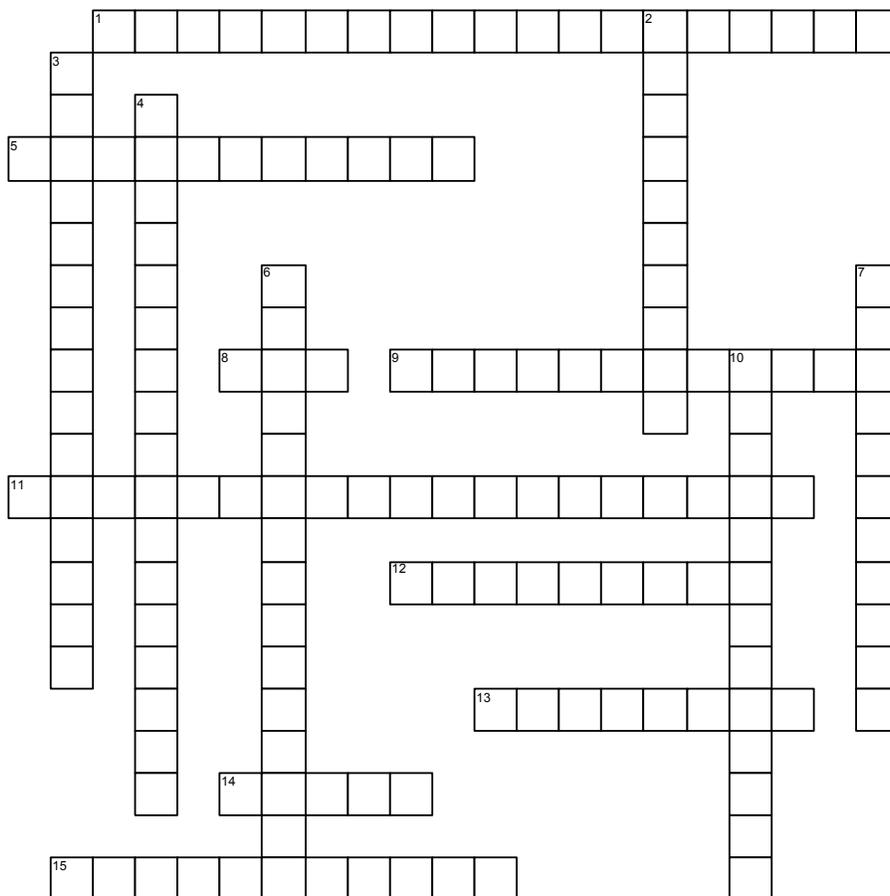


# Automotive Wiring And Wire Repair

## Chapter 27



<http://jameshaldeman.com>

### ACROSS

- 1 \_\_\_\_\_ are uninsulated.
- 5 Most automotive wire, except for spark plug wire, is often called \_\_\_\_\_ because it is designated to operate at or near battery voltage.
- 8 \_\_\_\_\_ circuit protectors are solid state.
- 9 \_\_\_\_\_ 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.
- 11 \_\_\_\_\_ are used to protect wiring from a direct short-to-ground.
- 12 The term \_\_\_\_\_ usually refers to the plastic portion that snaps or connects together, thereby making the mechanical connection.
- 13 A \_\_\_\_\_ is a metal fastener attached to the end of a wire, which makes the electrical connection.
- 14 \_\_\_\_\_ 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.
- 15 A \_\_\_\_\_ is used to transmit low-voltage signals using two wires that are twisted together.

### DOWN

- 2 The \_\_\_\_\_ is the term used to describe how high-frequency AC electricity flows through a conductor.
- 3 \_\_\_\_\_ 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.
- 4 Wiring is sized and purchased according to gauge size as assigned by the \_\_\_\_\_ system.
- 6 Most manufacturers indicate on the wiring diagrams the \_\_\_\_\_ sizes measured in square millimeters of cross-sectional area.
- 7 A \_\_\_\_\_ is a type of fuse that consists of a short length of standard copper-strand wire covered with a special nonflammable insulation.
- 10 \_\_\_\_\_ are the largest wires used in the automotive electrical system.