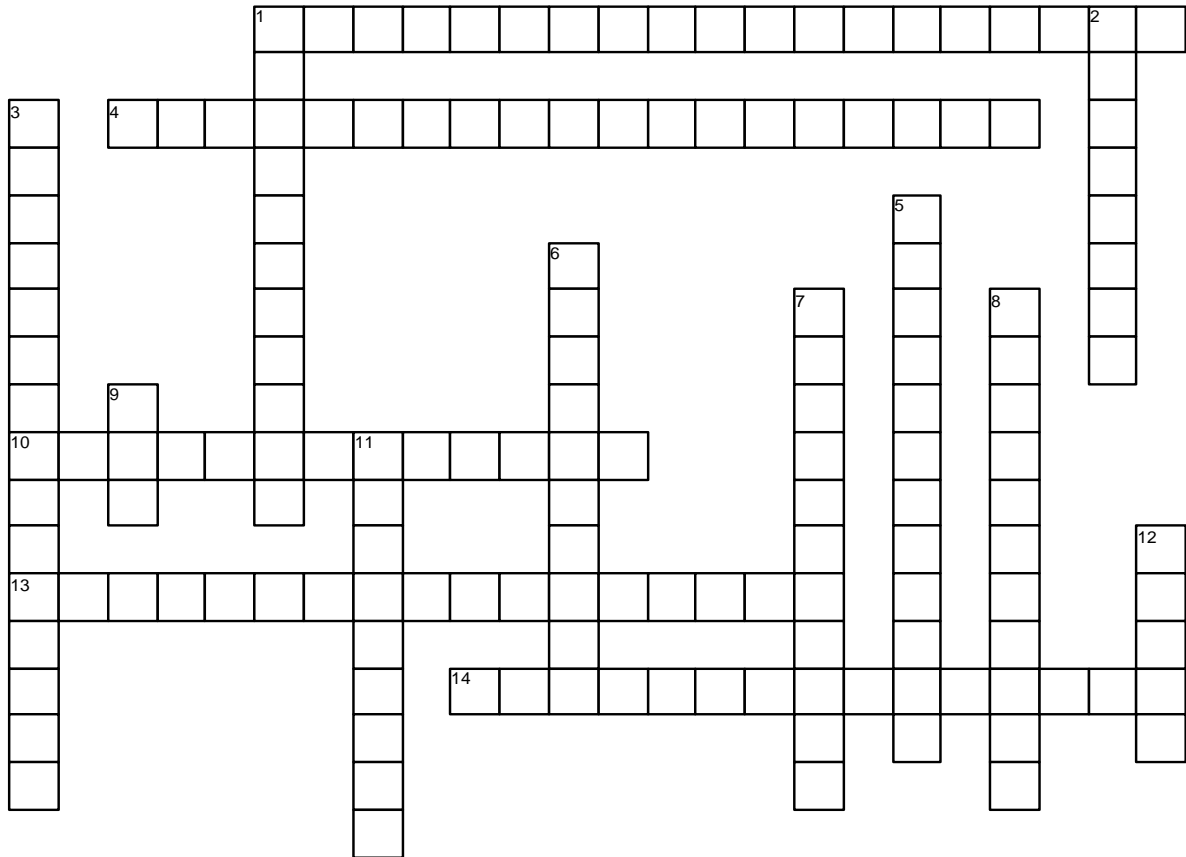


# Automotive Wiring And Wire Repair

## Chapter 8



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### ACROSS

- \_\_\_\_\_ are used to protect wiring from a direct short-to-ground.
- \_\_\_\_\_ are uninsulated.
- \_\_\_\_\_ are the largest wires used in the automotive electrical system.
- Wiring is sized and purchased according to gauge size as assigned by the \_\_\_\_\_ system.
- Most manufacturers indicate on the wiring diagrams the \_\_\_\_\_ sizes measured in square millimeters of cross-sectional area.

### DOWN

- Most automotive wire, except for spark plug wire, is often called \_\_\_\_\_ because it is designated to operate at or near battery voltage.
- A \_\_\_\_\_ is a metal fastener attached to the end of a wire, which makes the electrical connection.
- \_\_\_\_\_ 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.
- \_\_\_\_\_ 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.
- The \_\_\_\_\_ is the term used to describe how high-frequency AC electricity flows through a conductor.
- A \_\_\_\_\_ is a type of fuse that consists of a short length of standard copper-strand wire covered with a special nonflammable insulation.
- A \_\_\_\_\_ is used to transmit low-voltage signals using two wires that are twisted together.
- \_\_\_\_\_ circuit protectors are solid state.
- The term \_\_\_\_\_ usually refers to the plastic portion that snaps or connects together, thereby making the mechanical connection.
- \_\_\_\_\_ 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.