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.