































FIGURE 8–10 Conventional theory states that current flows through a circuit from positive (+) to negative (-). Automotive electricity uses the conventional theory in all electrical diagrams and schematics.



















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FIGURE 8–26 Testing a fuse with a test light. If the fuse is good, the test light should light on both sides (power side and load side) of the fuse.

















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FIGURE 8-34 Note the blade-type fuse holder soldered in series with one of the meter leads. A 10-ampere fuse helps protect the internal meter fuse (if equipped) and the meter itself from damage that may result from excessive current flow if accidentally used incorrectly.





FIGURE 8–35 An inductive ammeter clamp is used with all starting and charging testers to measure the current flow through the battery cables.



















FIGURE 8–41 Always use rosin-core solder for electrical or electronic soldering. Also, use small-diameter solder for small soldering irons. Use large-diameter solder only for large-diameter (large-gauge) wire and higher-wattage soldering irons (guns).













FIGURE 8–44 A butane torch especially designed for use on heat shrink applies heat without an open flame, which could cause damage.



FIGURE 8–45 A typical crimp-and-seal connector. This type of connector is first lightly crimped to retain the ends of the wires and then it is heated. The tubing shrinks around the wire splice, and thermoplastic glue melts on the inside to provide an effective weather-resistant seal.





















































