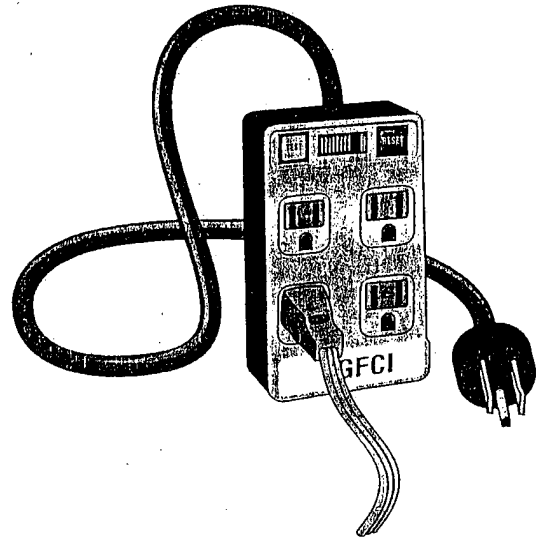




## Electrical Safety

- ☛ Electrical safety on the jobsite can be achieved by using a ground fault circuit interrupter (GFCI) or an assured grounding program.
- ☛ A ground fault circuit interrupter is a sensitive circuit breaker that detects small changes in amperage and trips very quickly.
  - Check the GFCI regularly with the “Test” and “Reset” buttons.
  - If a GFCI is found to be defective, it should be immediately removed from service and replaced.
  - A GFCI must be used to protect all electrical tools and extension cords. To accomplish this, it must be placed at the energy source.
- ☛ An assured grounding program is designed to ensure that equipment and extension cords are properly grounded.
  - ☛ The following are safety requirements for extension cords:
    - They must be inspected before first use.
    - Cords that are frayed, cut, or have exposed wires or insulation must be removed and tagged.
    - Use only three-pronged double-insulated extension cords.
    - Make sure the grounding pin is present and connected.
    - Do not attach extension cords to the surface of the building.
  - ☛ The following are safety requirements for tools:
    - All power tools must be three-pronged type, unless the tool is clearly marked as being double-insulated.
    - Tools that are not double-insulated must be included in the assured grounding program.
    - Make sure the ground pin on any three-pronged, non-double-insulated power tool is present. If the ground pin is missing, inform your supervisor.
    - Check all cords. The tool must be taken out of service if the insulation is at all exposed.



### Electrical Safety Training Tips

- Have a GFCI on hand and demonstrate the test and reset functions.
- Describe equipment testing and how the equipment is logged or color coded.