

ELECTRICAL HAZARD GUIDELINES

The easiest way to reduce the possibility of electrocution is to:

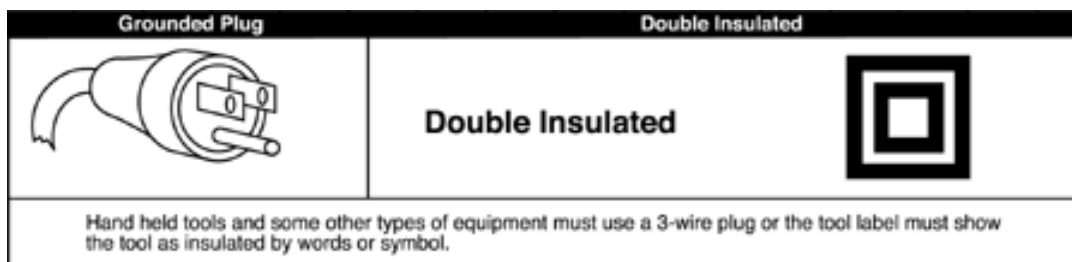
1. Use Ground Fault Circuit Interrupter (GFCI).
2. Do not use extension cords that are frayed.
3. Make sure equipment is grounded.
4. Receptacles are mounted, secured and not broken.
5. Ensure all panel boxes are covered and the space in front of panel is clear.
6. Do not use extension cords to suspend lighting.
7. Do not use extension cords as permanent wiring.

What is a GFCI?

GFCI is a fast acting circuit breaker which senses small imbalances in the circuit caused by current leakage to ground and, in a fraction of a second, shuts off the electricity.

The GFCI continually matches the amount of current going to an electrical device against the amount of current returning from the device along the electrical path. Whenever the amount going differs from the amount returning by approximately 5 milliamps, the GFCI interrupts the electrical power within as little as 1/40 of a second.

Why does the GFCI cut the flow at 5 milliamps? It only takes 100 milliamps to kill a person.



Reference: WAC 296-800-280