



Electrical hazards are doubly hazardous in that there is not only the chance of electrocution but also the probability that any electric shock will cause a loss of consciousness that may result in a fall.

Today we will discuss methods of receiving an electric shock and ways to avoid electrical hazards.

### **Methods of Receiving an Electric Shock**

A defective power tool.

Defective extension cords.

Overloading a switch or over-riding a bypass.

Not grounding electrical equipment.

Coming in close contact with live electric lines.

Coming too close to high power lines with the power arching over and making contact.

### **Ways to Avoid Electric Hazards**

Always inspect tools and equipment for **frayed cords** and **defective plugs** before using them.

Never use a power tool that has had the ground plug removed; inspect the plug.

Never stand in water and operate a power tool without proper (i.e., insulated) footwear.

Keep extension cords out of water when in use.

Consider all power lines “live” and avoid contact with them.

Follow the company grounding/electrical protection program.

Disconnect all electrical tools and cords when not in use.

Be sure all temporary lighting is equipped with bulb covers.

Ensure all power supplies, circuit boxes, and breaker boxes are appropriately marked to indicate their purpose.

Use Ground Fault Interrupters (GFI’s) on all job sites.