

# Portable Electrical Tools and Temporary Lighting

Employees who use electric tools and temporary lighting should be aware of the danger of electrocution — including burns and slight shock, which could result in heart failure.

## Examine electrical power tools and temporary lighting

- Lamps for general illumination must be protected from breakage
- Temporary lights must not be suspended by their cords unless they are designed for that purpose
- Portable lighting used in wet or conductive locations must not be operated above 12 volts, or it must be protected by GFCIs (ground fault circuit interrupters)
- Tools must have a three-prong plug, or be double insulated or powered by a low-voltage isolation transformer
- When using an adapter to accommodate a two hole receptacle, the adapter wire must be attached to a known ground
- Never remove the third prong from the tool's plug  
Use the tools within their designed limitations; keep them sharp and clean
- Cords are not designed to raise, lower, or carry a tool or piece of equipment

- Disconnect tools when not in use, before servicing, and when changing blades or bits
- Damaged portable tools must be removed from service and tagged "Do Not Use"



### Want to know more?

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