SEARCH

Advanced Search

Occupational Safety & Health Administration

A to Z Index | En Español | Contact Us | What's New | About OSHA

All DOI
OSHA

OSHA Home



Removing the ground pin from a plug to fit an ungrounded outlet not only means your work area is unsafe, but makes the cord unfit

for future work where there is grounding.

Missing or Disco



Electrical 🖠

D 11

Path to Ground Missing or Discontinuous

Falls

Struck-By

Trenching 🦠

Scope 1

SH Program

Am I In Danger?

If the power supply to the electrical equipment at your site is not grounded or the path has been broken, fault current may travel through a worker's body, causing electrical burns or death [for additional information see, Flexible Cords and Power Tools]. Even when the power system is properly grounded, electrical equipment can instantly change from safe to hazardous because of extreme conditions and rough treatment.

How Do I Avoid Hazards?

- Ground all power supply systems, electrical circuits, and electrical equipment.
- Frequently inspect electrical systems to insure that the path to ground is continuous.
- Visually inspect all electrical equipment before use. Take any defective equipment out of service.
- Do not remove ground prongs from cord- and plugconnected equipment or extension cords.
- Use double-insulated tools.
- Ground all exposed metal parts of equipment.
- Ground metal parts of the following non-electrical equipment, as specified by the OSHA standard [29 CFR 1926.404(f)(7)(v)]:
 - Frames and tracks of electrically operated cranes.
 - Frames of non-electrically driven elevator cars to which electric conductors are attached.
 - Hand-operated metal shifting ropes or cables of electric elevators
 - Metal partitions, grill work, and similar metal enclosures around equipment of over 1kV between conductors.

Additional Information:

- 29 CFR 1926 Subpart K, Electrical. OSHA Standard.
 - 1926.404, Wiring design and protection
 - 1926.404(b)(1)(i), General
- <u>Electrical Contractors Industry</u>. OSHA Safety and Health Topics Page. Provides information about the hazards that electrical workers may experience as a part of their jobs.
- <u>Electrical Safety: Safety and Health for Electrical Trades Student Manual.</u> US Department of Health and Human Services (DHHS), National Institute for Occupational Safety and Health (NIOSH) Publication No. 2002-123, (2002, January).

eTools Home : Construction

Users Guide | Glossary | Bibliography | Viewing / Printing Inst. | Credits

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