



ELECTRIC HAND TOOLS

Date:

TOOLBOX / TAILGATE TALK

Presenter:



Canadian Centre for
Occupational Health
and Safety

F01 POWERED HAND TOOLS – BASIC ELECTRICAL SAFETY

SAFETY INFOGRAM

- **INSPECT** tools, power cords, and electrical fittings for damage prior to each use. Repair or replace damaged equipment.
- **DO NOT WEAR** gloves, loose clothing or jewelry while using revolving power tools.

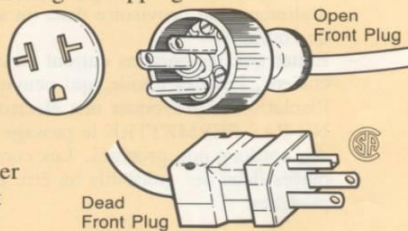
TOOLS

- **SWITCH** tools OFF before connecting them to a power supply.
- **DISCONNECT** power supply before making adjustments.
- **ENSURE** tools are properly grounded or double-insulated. The grounded tool must have an approved 3-wire cord with a 3-prong plug. This plug should be plugged in a properly grounded 3-pole outlet.
- **TEST** all tools for effective grounding with a continuity tester or a GFCI before use.
- **DO NOT BYPASS** the switch and operate the tools by connecting and disconnecting the power cord.
- **DO NOT USE** electric tools in wet conditions or damp locations unless tool is connected to a ground fault circuit interrupter (GFCI).
- **DO NOT CLEAN** tools with flammable or toxic solvents.
- **DO NOT OPERATE** tools in an area containing explosive vapours or gases.

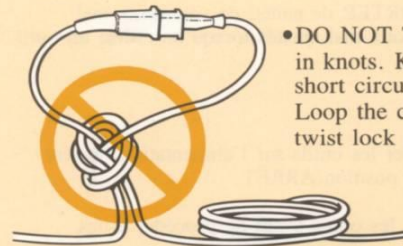
POWER CORDS

- **KEEP** power cords clear of tools during use.
- **SUSPEND** power cords over aisles or work areas to eliminate stumbling or tripping hazards.

- **REPLACE** open front plugs with dead front plugs. Dead front plugs are sealed and present less danger of shock or short circuit.



- **DO NOT USE** light duty power cords.
- **DO NOT CARRY** electrical tools by the power cord.



- **DO NOT TIE** power cords in knots. Knots can cause short circuits and shocks. Loop the cords or use a twist lock plug.

CHECKLIST

- **INSPECT CORDS & PLUGS**
 - Check power cords and plugs daily. Discard if worn or damaged. Have any cord that feels more than comfortably warm checked by an electrician.
- **ELIMINATE OCTOPUS CONNECTIONS**
 - **DO NOT PLUG** several power cords into one outlet.
- **PULL THE PLUG, NOT THE CORD**
 - **DO NOT DISCONNECT** power supply by pulling or jerking cord from the outlet. Pulling the cord causes wear and may cause a shock.
- **NEVER BREAK OFF THE THIRD PRONG ON A PLUG**
 - Replace broken three-prong plugs and make sure the third prong is properly grounded.
- **NEVER USE EXTENSION CORDS AS PERMANENT WIRING**
 - Use extension cords only to temporarily supply power to an area that does not have a power outlet.
 - Keep power cords away from heat, water and oil. They can damage the insulation and cause a shock.
 - **DO NOT ALLOW** vehicles to pass over unprotected power cords. Cords should be put in conduit or protected by placing planks alongside them.

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