

POWER TOOLS

1. INVESTIGATIVE PROCEDURES. Determine the following:
 - a. Tool-job compatibility (proper tool for job, improper tool for job, etc.).
 - b. Grounding (three-prong plug in a three-hole electrical receptacle, two-prong adapter attached to "known ground, "double insulated, removable pin for three-prong plug).
 - c. Status of adjusting keys and wrenches before tool operation (removed, in place, etc.).
 - d. Tool switch in OFF position.
 - (1) Before plugging in cord.
 - (2) When power is interrupted.
 - (3) While carrying plugged-in tool.
 - e. Operator maintenance of tools:
 - (1) Regularly or irregularly.
 - (2) Type of maintenance (cleaning, sharpening, oiling, etc.).
 - f. Accessories (recommended by manufacturer, other).
 - g. Repair to tools:
 - (1) Reasons (slight defects, major malfunctions).
 - (2) Repairer (owner, repair shop, other).
 - h. Clamps or vise to hold work.
 - i. Extension cord (UL-approved, heavy-or light-duty, wire size and length, etc.).
 - j. Tool storage:
 - (1) Location
 - (2) Conditions (dry, secure, damp, dusty, etc.).
2. SPECIFIC PRODUCT FACTORS. Describe the following:
 - a. Plug (three-prong, two-prong adapter, other).
 - b. Guards (in place, operable, removed, wedged, etc.).
 - c. Cords (UL approved, other).
3. SPECIFIC HUMAN FACTORS. Determine the following:

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- a. Victim's action while operating tools.
 - (1) Tool speed used (designed speed, too fast, too slow, etc.).
 - (2) Overreaches
 - (3) Dusts away chips or sawdust.

- b. Status of tool while victim adjusts or changes bits, blades, etc. (disconnected from power source, switch on/off, etc.).

- c. Operator's actions before leaving tool.
 - (1) Insured that tool came to complete stop.
 - (2) Disconnected tool from power source.

- d. Clothing and other apparel.
 - (1) Type.
 - (2) Fit.

- e. Personal safety equipment worn by victim (safety glasses, goggles, dust mask, rubber footwear, etc.).

- f. Operator's statement as to tool's good points and bad points.