



- 16 Vibration from the tool can cause **'VIBRATION WHITE FINGER'** and eventually other damage to hands and arms. Keep your hands warm at all times. Gloves can reduce vibration. If your hands start to feel numb, stop work and exercise your fingers to restore circulation. Limit your time using the tool as much as possible.

## **THE ELECTRICAL SUPPLY**

- 17 **CHECK** that the voltage of the supply is correct. The chasing machine will be either 110 volts or 230 volts.

- 18 The use of a low voltage machine at 110V (CTE) will effectively eliminate the risk of death and greatly reduce the degree of injury from an electric fault.

- 19 Use a machine with the lowest possible voltage to suit the job.

- 20 **DO NOT** use domestic plugs and sockets on construction sites, they are not robust enough.

- 21 **When using a 230V chasing machine, the risk of injury or death from electric shock is unacceptably high unless the following precautions are taken:**

- a) Use RCD power breakers at the supply socket to give protection for both the chasing machine and its power cable.
- b) The RCD should be protected from dust, wet weather, mechanical damage and vibration.
- c) Position power cables where they are less likely to be damaged.
- d) The tools, cables and RCDs should be checked every day (or every shift) using the following as a guide:
  - **CHECK** that bare wires are not visible
  - Make sure that cables are not damaged and free from cuts and abrasions (apart from light scuffing)
  - **CHECK** that the plug is in good condition, the casing is free from cracks, the pins are not bent or the socket is not blocked with debris or dirt
  - **ENSURE** that there are no taped or other non-standard joints in the cable
  - **CHECK** that the cable covering has not been pulled out of the grips at the plug or tool. (The coloured insulation of the internal wires should not be visible)
  - **CHECK** the outer casing of the tool for damage and **CHECK** for loose or missing parts or screws
  - Make sure that there are no overheating or bum marks on the plug, cable and tool
  - **CHECK** the operation of the RCD power breaker by operating the test button

- 22 Chasing machines using 110 volts should be checked weekly as in 21(d) above.
- 23 **CHECK** regularly that all ventilation grills or holes on motor housings are clear and free from dirt.
- 24 If the automatic cut-out operates, allow the motor to cool before re-starting.
- 25 **DO NOT** use electrical equipment in damp, wet or flammable conditions.
- 26 **DO NOT** carry a tool with the finger on the operating trigger or button.
- 27 **DO NOT** carry the tool by its cable or disconnect a plug by pulling its cable.
- 28 Unplug from the power supply before making adjustments to the tool or changing cutters.
- 29 **DO NOT** attempt repairs. Contact the Hire Company.



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