

Unit 204: Common plumbing processes

Outcome 4

Common plumbing hand and power tools

Hand tools for plumbers



Hand tools for plumbers



Hand tools for plumbers



Hand tools for plumbers



Hand tools for plumbers



SILVERLINE



Hand tools for plumbers



Hand tools for plumbers



Hand tools for plumbers



Hand tools for plumbers



Hand and power tools

Safety and maintenance

Tool requisition and booking out system allows employers to keep track of tools and their use.

If maintained properly, tools should present no risk to user. If unsafe practices are used, then they become dangerous.

- Wrong tool for the job
- Incorrect use
- No PPE
- Not following approved guidelines
- Poor maintenance

Hand and power tools

Safety and maintenance

- Training
- Clean your tools
- Cutting edges sharp
- Moving parts oiled
- No sharp points in pockets
- Secure tools when working at height
- Do not throw
- Splits, cracks, burrs, loose parts

Power tools for plumbers



Power tools for plumbers



Power tools for plumbers

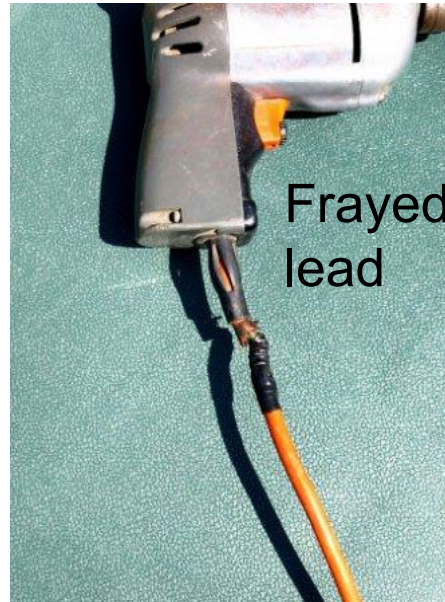


Hand and power tools

Faults



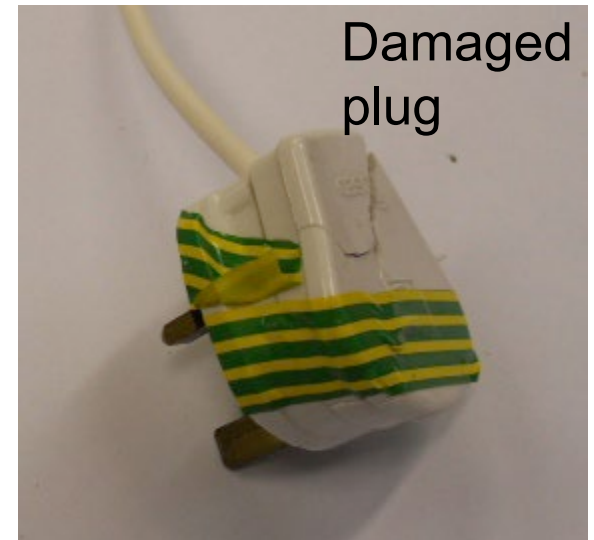
Missing
safety
feature



Frayed
lead



Mechanical
damage



Damaged
plug

Hand and power tools

When using power tools:

- Inspect tool before use
- Follow the manufacturer's instructions
- Be aware of your environment
- Be aware of others nearby
- Use PPE
- Select the correct tool
- Clean after use

Hand and power tools

Safety and maintenance

Power tools need regular inspection and maintenance.

- PAT test label (3 months)
- PPE (goggles, dust mask, gloves, overalls, boots)
- Inspect (guards, lead, body)
- Check voltage (battery, 110v, 240v)
- Do not use in damp or wet conditions
- Don't drag a tool or cord across the floor
- Grip with both hands
- Unplug tool before adjusting
- Store in safe place