



POWER TOOL SAFETY



Circular Saw, Portable Drill & Craft
Knife



CIRCULAR SAW:

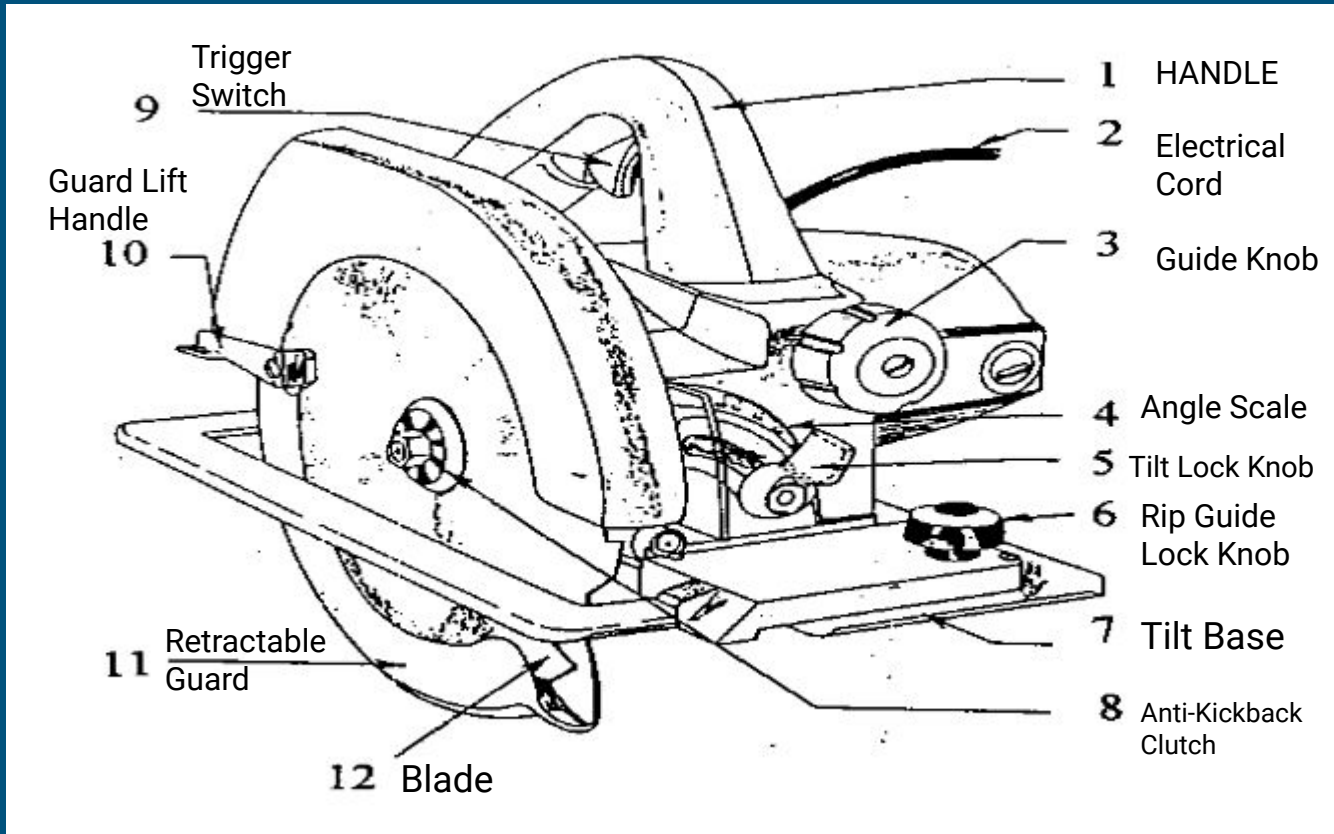
A circular saw is a power-saw using a blade to cut different materials using a rotary motion spinning around an arbor.



- Safety glass and dust mask must be worn at all times.
- When making a cut, do not place your hands directly in line with the blade.
- Never attempt to move scraps away from a moving blade.
- Never take the guard off of the circular saw.
- Always turn off and unplug the saw before making ANY kinds of adjustments to the blade or saw.
- Before making any cuts, make sure that the electrical cord will not come into contact with the blade and that you have good length.

- If the material is not being supported use caution to ensure that there will not be injury to the operator or other students and that there won't be damages.
- Check the material that you are cutting for screws, knots, hardware, or if it is bowed before cutting it. These can cause kickbacks, damages to the blade, and even injuries.
- To make long straight cuts with the circular saw, make sure that the material is clamped down and use a guide.
- Before putting the saw down after making a cut, make sure that the blade has stopped rotating and that the guard / cover is covering the blade.
- Do not force the blade if there is resistance in force. This will cause a kickback and possibly injury.

Parts of a Circular Saw - this will be on the quiz!



Craft Knife / Xacto Knife



- ❑ Always use the right size tool for the job. Using a craft knife that is too large or too small can cause injury.
- ❑ Always check to be sure that the knife is sharp, clean and in good condition before you use it.
- ❑ Do not use your clothes or fingers to test whether or not a tool is sharp.
- ❑ You should always carry the knife so that the edge is pointed down towards the floor with the cap on.

- ❑ Absolutely never use an xacto knife as a hammer, lever, or weapon.
- ❑ After each use, make sure to put the cap back onto the knife and set it in a safe place, where it will not roll off of a surface or accidentally injure anyone.
- ❑ Never point the knife at yourself or others.
- ❑ You must always get permission to use the xacto knife from the instructor. Because each student must get permission to use it, do not lend it out without confirming that that student has permission.
- ❑ If a knife is broken or damaged, Do Not Use It. Give it to the instructor and let them know it is broken.
- ❑ Never put any part of your body in the path of the blade.
- ❑ Always hand a knife to someone else handle first.
- ❑ Never toss, throw, slide across the table.
- ❑ Always cut away from you.

PORTABLE DRILL SAFETY:



- ❖ Before using the drill, always inspect it for cracks, cut or damaged wires, inspect the plug for damages.
- ❖ Turn the drill on before attempting to drill a hole, to ensure that it is working properly and running true.
- ❖ It helps to drill a pilot hole to guide the final drilling operation and achieve a more accurately placed hole

- ❖ Keep a light and even pressure when operating the drill during normal operation.
- ❖ Keep the motor on when pulling the bit back out of the drilled hole.
- ❖ Keep a Low-Medium Speed while operating the drill with lumber.
- ❖ To prevent seizing when drilling the operator should reduce the feed pressure when the bit is about to come through the material on the opposite side.
- ❖ Keep hands and fingers away from the bit end of the drill when operating.
- ❖ After operating the drill, do not touch the end of the bit. It is hot from friction.
- ❖ You can change out bits while the battery is in the drill, but be careful that no one is operating the trigger.