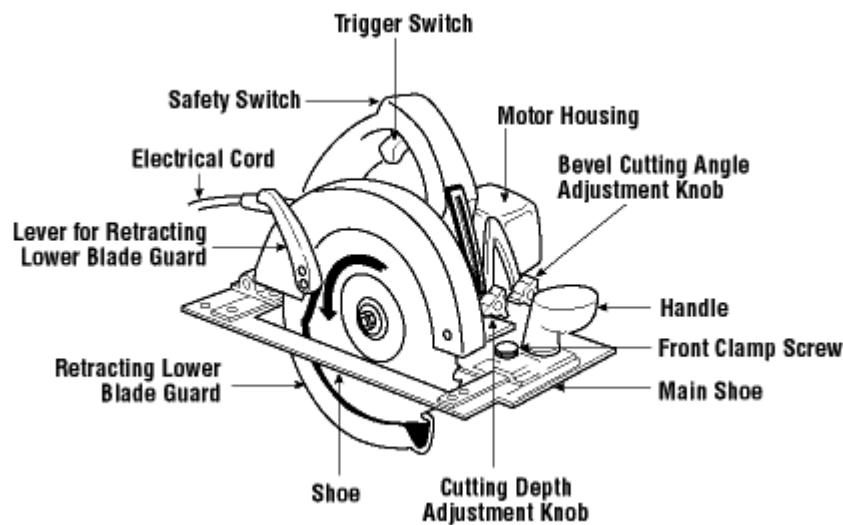


Introduction

Circular saws are used for straight sawing. Depending on the blade, they cut either across (crosscut) or with (rip) the grain of the wood. The retractable guard helps cover the rotating blade so that hands and fingers are relatively safe. The base plate rests on the material to be cut and can be altered to give a variety of angles (normally 90 to 45 degrees). Whilst in use, if the switch lock is pressed, the trigger finger can be removed from the ON/OFF switch and the blade will still rotate and cut. This makes the circular saw more comfortable to use.



Safe Use of Circular Saws

- Wear safety glasses or a face shield.
- Wear an approved respirator or dust mask when exposed to harmful or nuisance dusts.
- Use appropriate hearing protection equipment in noisy areas.
- Check the retracting lower blade guard to make certain it works freely.
- Do not operate a circular saw with the guard wired back, or with the guard removed.
- Ensure that the blade that you have selected is sharp enough to do the job. Sharp blades work better and are safer.
- Check the saw for proper blade rotation.
- Set the depth of the blade, while the saw is unplugged, and lock it at a depth so that the lowest tooth does not extend more than about 0.3 cm or 1/8" beneath the wood.
- Do not over tighten the blade-locking nut.
- Inspect electrical cords for damage. Replace or repair cords that are damaged. Electrical tape is not an acceptable repair.
- Keep all cords clear of cutting area.
- Circular saws are designed for right-hand operation; left-handed operation will demand more care to operate safely.

- Check the retracting lower blade guard frequently to make certain it works freely. It should enclose the teeth as completely as possible, and cover the unused portion of the blade when cutting.
- Do not hold or force the retracting lower guard in the open position.
- Do not place hand under the shoe or guard of the saw.
- Check that the retracting lower blade guard has returned to its starting position before laying down the saw.
- Keep upper and retracting lower blade guard clean and free of sawdust.
- Disconnect power supply before adjusting or changing the blade.
- Do not cut materials without first checking for obstructions or other objects such as nails; screws support objects you do not want to cut.
- Allow the saw to reach full power before starting to cut
- Use two hands to operate saws - one on a trigger switch and the other on a front knob handle.
- Do not rest hand in front or along the side of an operating hand circular saw. They can cut through flesh and bone in a flash.
- Do not carry the saw with a finger on the trigger switch.
- Keep motor free from accumulation of dust and chips.
- Select the correct blade for stock being cut and allow it to cut steadily. Do not force it.
- Secure stock being cut to avoid movement.
- Do not twist the saw to change, cut or check alignment.
- Do not use a saw that vibrates or appears unsafe in any way.
- Do not overreach. Keep proper footing and balance.
- Do not rip stock without using a wedge or guide clamped or nailed to the stock.