



EDCO Saws (KL-14, SK-14, SB-14, KL-18, DS-18, DS-20, SS-20, SS-24, SS-26, BB-14, GMS-20, MS-20, GMS-10, HSS-14, TMS-10, C-10)



**WALK-BEHIND
SAWS**
EDCO
SCAN FOR
TRAINING
MATERIAL



**SELF-PROPELLED
SAWS**
EDCO
SCAN FOR
TRAINING
MATERIAL



**MASONRY
SAWS**
EDCO
SCAN FOR
TRAINING
MATERIAL



TILE SAWS
EDCO
SCAN FOR
TRAINING
MATERIAL



**HARDSCAPE
SAWS**
EDCO
SCAN FOR
TRAINING
MATERIAL

EDCO walk behind and self-propelled concrete saws are designed to cut flat, horizontal concrete or asphalt slabs using diamond saw blades. EDCO masonry and tile saws are designed to cut brick, pavers, stone and tile.

Perform Pre-Start Check

- Inspect the work area for deck inserts, pipes, columns, openings, electrical outlets or any foreign objects within the slab. Personal injury and/or death can result from improper use. Damage to the blade and/or equipment can result from improper use.
- Visually inspect the entire machine for damage and wear. Look for signs of oil or fuel leaks. Remove excess dirt or debris. Check that all nuts, bolts and screws are tight. Check for proper alignment of moving parts, possible binding of moving parts, breakage of parts, loose mounting brackets and any other condition that might affect operation. Inspect diamond blades and arbor shafts. Check blades for cracks, loose segments, work or out of round arbor holes. Do not use warped, twisted, out of balance blades or any blade of questionable condition. Refer to *Rx for Diamond Blades*. Be sure the correct blade is installed based on RPM's, size and mounting arrangement.
- Perform all daily maintenance required. Be sure water tubes are functioning properly if performing wet-cutting operations.
- When loading or unloading this saw, use caution. Make sure rolling table (masonry/tile saws) is locked.
- Identify the electrical power requirements, the voltage requirements of the saw motor can be found on the motor data plate. Verify the power switch is in the off position before plugging machine into the power source.
- Do not reach underneath or around work piece while the blade is rotating. Keep stable footing at all times while cutting.

Operating Instructions:

- Before starting: raise/move the saw blade clear of the working surface. The blade is raised using the depth control handwheel on walk behind and self propelled saws. To change the depth of the saw blade on a masonry/tile saw loosen the blade depth lock knob (if applicable) then adjust blade guard to desired location and then lock the blade depth knob.
- For gasoline/propane models: Consult the engine manufacturers operating instructions and follow the directions for starting and breaking in the engine. For electric models, be sure the off button is depressed, then connect power source with the connector provided. Be sure the equipment is properly grounded. For pneumatic models, be sure the "Whipchek" cable is properly installed and the flow control lever is in the off position. Adjust air to 90PSI (100PSI MAX).
- Start the engine and allow it to reach operating speed: Position the saw over the cutting line. Bring the engine to full speed. When the selected cutting depth is reached, lock the depth control handwheel and proceed the saw forward. Lower the blade into the working surface by slowly turning the depth control handwheel. NOTE: Do not allow the arbor flanges to contact the working surface. The saw blade must remain straight, do not twist and do not force the blade, the engine/motor should not strain. On walk behind and self-propelled saws the total cutting depth should be achieved in stepped increments of 1".
- For wet cutting: attach the water supply to the water valve. A flow rate of approximately 2 gallons per min is required. On models BB14E, HSS14, TMS10, GMS10 there is a outlet on the motor that is intended for the water pump ONLY.
- Do not let water pump run dry. The water tray must be kept clean; running dirty water through the system will cause damage.
- When draining water directly to the ground, this will cause a potentially serious working hazard including, but not limited to, risk of electric shock if using an electric motor.
- To stop the machine: Stop forward motion, throttle to idle. Turn the depth control handwheel to raise the blade clear of the cut (where applicable). Turn ignition/power switch off and let the engine/motor come to a complete stop. Turn off water supply.
- If the power source stalls in the cut raise the blade out of the cut. Disconnect the power source. Inspect the blade flange nuts to verify that they are still tight and inspect the blade for damage. Replace damaged(questionable) blade immediately.
- To maneuver the walk behind or self propelled saw: make sure the saw blade is raised high enough so it does not strike the working surface. Do not maneuver masonry/tile saws while the engine/motor is running.
- Never transport saw with the blade installed. Disconnect the power source when lifting or removing any guard.
- Do not use the E-Stop button as an on/off switch. If the ignition is left on, it will drain battery. Use in emergency situations.
- If while cutting using a self-propelled saw, the front wheels start to lift, reduce forward speed.



EDCO
EQUIPMENT DEVELOPMENT CO., INC.



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Maintenance Instructions:

- Disconnect the machine from the power source before doing any maintenance. Remove the spark plug lead on gas engine models or disconnect the supply voltage connector on electric models, before performing any maintenance. All maintenance to be performed regularly by qualified personnel. Never work under saw without first placing chocks on the wheels and support device under the saw to prevent it from moving or falling. Always work on a flat and level surface.
- Inspect belts, check the belt tension; damaged, stretched or excessively worn belts should be replaced. Proper belt tension is required to transmit the engine power to the cutting blade.
- Perform a visual inspection of the entire machine before operation. Be sure all fasteners are tight and secure, check for signs of metal cracking or fatigue, inspect for damage to electrical wiring, damage to fuel lines, check bearings. Be sure the arbor shaft, backing plate and blade cap are clean and in good condition.
- Do not remove or lift the blade guard unless machine/blade is completely stopped and all power is disconnected. Be sure to reinstall blade guard before reconnecting the power source.
- To change blades: Make sure you have the proper blade. Determine the hardness and composition of the work piece, if there is any rebar present, desired depth of cut and the length of cut. If in doubt, contact the blade manufacturer. Inspect the blade before installing. Check diamond blades for cracks, loose segments and oversize, worn or out of round arbor holes. Do not use any questionable blade since serious personal injury and/or damage of property can result. Do not use warped, twisted or unbalanced blades. Unbalanced blades will wear excessively, vibrate and damage both arbor shaft and bearings. Do not use a blade without a drive hole. Look for *direction of rotation* markings on the new blade.
- To change blades: Lift/remove the blade guard to allow for clearance of the blade (not required on masonry/tile saws). On masonry/tile saws slide the rolling table all the way to the back of the machine and blade guard should be all the way up and tightened in to place. Unscrew arbor nut, then remove the blade retaining cap and washer. The blade should be free to remove. Be sure the arbor shaft, backing plate and blade cap are clean and in good condition. Make sure threads are clean and undamaged. The backing plate and blade cap should be the same diameter, do not use if they are different diameters.
- For safety reasons, EDCO does not recommend the use of any abrasive blades. Abrasive blades can break and cause serious personal injury to operator and/or bystanders. If abrasive blades are used by choice, use only reinforced abrasive blades. Never exceed the maximum operating speed of the blade. Be sure to match the blade speed rating with the arbor shaft speed on the machine. Never exceed the maximum operating speed of the blade.
- When hoisting a saw: always inspect frame and attaching hardware for damage before lifting. Only lift in locations that have a "lifting point" decal. Use proper and safe lifting techniques. Only use qualified straps/chains. Personal injury and or death could occur. Damage to the machine can occur if safe lifting techniques are not used.
- Electric masonry saws are shipped with a grounded, male plug attached to the machine. Use only 3 wire (single phase motors), 4 wire (three phase motors) grounded electrical cables that are marked U.L. and/or C.S.A. approved.
- Motor burnout due to improper voltage will void the warranty on the motor. Do not use if motor hums or if operating speed within a few seconds. Motor hum may mean: job site voltage too low, internal motor issue, belts too tight or blade jammed.