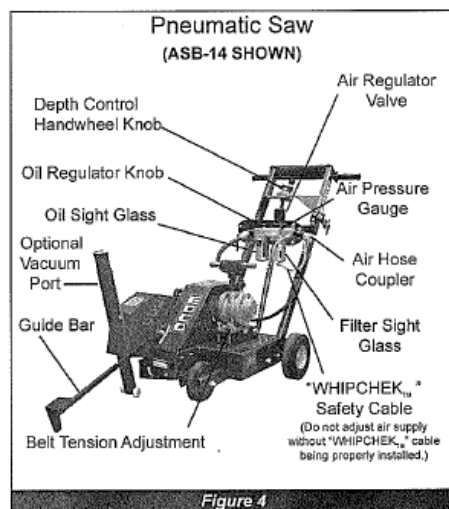
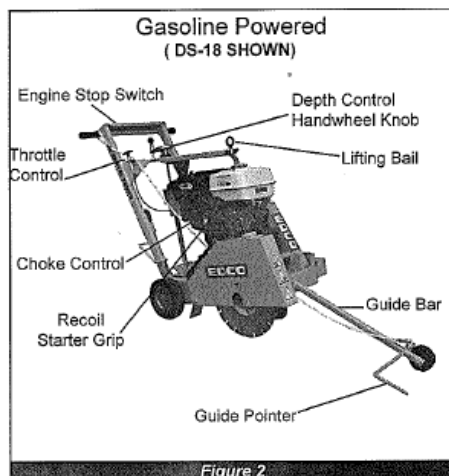


Operating Controls

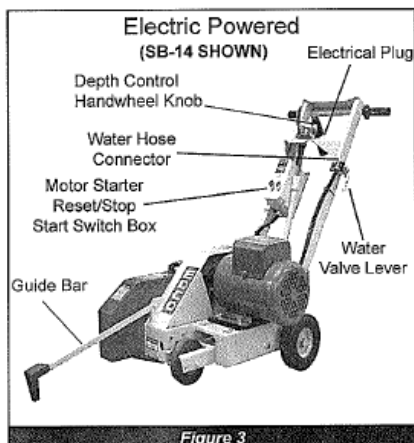


Please Note:

Controls shown are for the model indicated.

The location of these controls may vary on the different models.

Due to improvements and changes in the equipment, the illustration shown may be different from the actual machine.



Operating Instructions

WARNING

- Read and understand all operating instructions before operating this equipment. Death or serious injury can result if this machine is used improperly.
- Concrete saws are designed to be used to cut flat horizontal concrete or asphalt slabs using diamond saw blades.
- The machines may be equipped with gasoline engines or electric motors.
- They are designed to be controlled by a single operator from a position at the rear of the saw.
- Maintain a safe distance from other personnel in the area.

Be sure to read the Rx for Concrete Saws supplied with your machine.

IMPORTANT: Perform Pre-Start Check.

- Visually inspect the equipment for wear or damage.
- Be sure all guards are in place and functioning properly. Do not operate unless blade guard is in place and secure.
- Perform all daily maintenance.
- Check to be sure water tubes are functioning properly if performing wet-cutting operations.
- Inspect blade - Be sure the correct blade is installed properly on the machine, including RPM, size, mounting arrangement and its intended use.
- Check blade for damage (see Figure 5, below).
- Inspect work area to determine the presence and location of deck inserts, pipes, columns and objects protruding from the slab surface so that they may be avoided during the cutting operation. Scribe a line to help guide the saw.

Possible Diamond Blade Problems

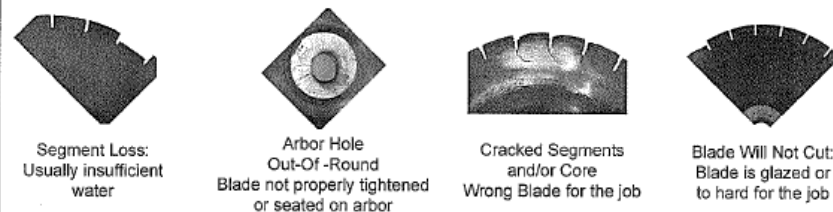


Figure 5

Operating Instructions

- **FOR WET CUTTING:** Attach the water supply. A flow rate of approximately 2 gallons per minute (minimum) is required. Attach the water hose to the coolant valve. Use the valve to control the flow of water.
- **FOR DRY CUTTING:** Provide a respirator and dust control system.
- **FOR ELECTRIC MODELS:** Be sure the "OFF" button is depressed. Hook up the electrical power source by plugging into the connector provided. If the cord does not mate with the connector, consult a qualified licensed electrician before continuing. Be sure that the equipment is properly grounded.
- **FOR GASOLINE MODELS:** Put the engine stop switch in the "RUN" position. Consult the engine manufacturers operating instructions and follow the directions for starting and breaking in the engine.
- **FOR PNEUMATIC MODELS:** Before connecting the air source, be sure the "WHIPCHECK" cable is properly installed and the flow control lever is in the "OFF" position. Adjust the air pressure to 90 psi (100 psi MAX.) using the air regulator valve (see Figure 4 on page 4). Open the flow control lever gradually to start and adjust the oil regulator knob as required for your application.

- **BEFORE STARTING THE ENGINE OR MOTOR:** Raise the saw blade clear of the working surface. The blade is raised using the depth control handwheel knob mounted on the upper handle assembly (Figure 6). Lift the knob to unlock and turn the handwheel clockwise until the blade is clearly off the ground.

- **START ENGINE AND ALLOW IT TO REACH OPERATING SPEED.** Position the saw over the cutting line. Bring the engine to full speed. Lower the blade into the slab surface by slowly turning the depth control handwheel knob. NOTE - the 14 inch blade has a maximum cutting depth of 4 3/4". Do not allow the arbor flanges to contact slab surface.

When the selected cutting depth is reached, lock the depth control handwheel knob and proceed to push the saw forward. The saw blade must remain straight, do not twist, and do not force blade, the engine or motor should not strain when cutting.

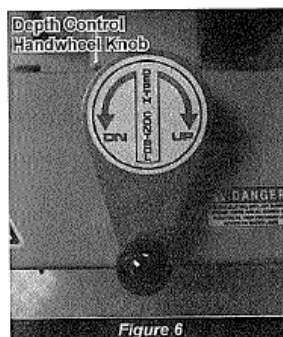


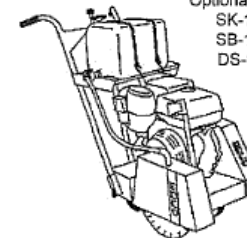
Figure 6

Operating Instructions

- **TO STOP THE MACHINE:** Stop forward motion. On gasoline models push the throttle to idle. Turn the depth control handwheel knob counter clockwise to raise the blade clear of the cut. Turn ignition or power switch off and let the engine come to a complete stop. Turn off the water supply.
- **WHEN MANEUVERING THE SAW:** Make sure the blade is raised high enough so it does not strike the slab surface. Damage to blade may occur with inadvertent contact with the slab or other object.
- **DO NOT FORCE BLADE WHILE CUTTING.**
- **IF THE POWER SOURCE STALLS IN THE CUT:** Raise the blade completely out of the cut. Disconnect the power source (i.e. the spark plug wire on a gasoline engine or disconnect an electric model at the machine). Inspect the blade flange nut/bolt to verify that they are still tight, and inspect the blade for damage. Replace damaged (or questionable) blades immediately.
- **WHEN TRANSPORTING THE SAW:** Be sure to remove the blade. Before removing the blade, disconnect the power source before lifting or removing any guard. See the directions for Changing Blades on (page 9).
- **WHEN HOISTING A CONCRETE SAW EQUIPPED WITH A LIFTING BAIL:** Always inspect frame and attaching hardware for damage before lifting. Use proper safe hoisting techniques and hardware.

Optional Accessories

Optional Water Tank Kit for
 SK-14 (P/N 52030),
 SB-14 (P/N 51090),
 DS-18 (P/N 56310)



Model SK-14, with Water Tank Option, shown

Figure 7