

IMPORTANT!!

Read the following information before using the saw.

Receiving / Un-crating

- Do **Not** accept this saw from the freight company without a visual inspection. Report any damage to the freight company immediately.
- Confirm that the voltage and phase of the motor matches your power source.

Disclaimer: The warnings, precautions and instructions discussed in this manual cannot cover all possible conditions and situations. Operator care and common sense are critical factors in the safe operation of this product.

**All Ellis saws are mitering - head moves left and right for angle cuts -
All saws are manufactured in the USA.**

Note: Due to continuing improvements and various models of the saws, the actual product may differ slightly from the product described within. All saws are factory tested before being shipped.

Be a responsible owner/operator by following all guidelines and instructions!

Before Installation:

1. Remove all shipping material.
2. Place the saw in a well ventilated area.
3. Place the saw on level ground.
4. Remove wood block that protects blade during shipping.
5. Remount/install shut-off rail (See Fig. 3).

First unlock the saw head, by turning the hydraulic knob (See Fig. 1+2) counterclockwise. Then, lift the head up, and lock it, turning the knob clockwise.

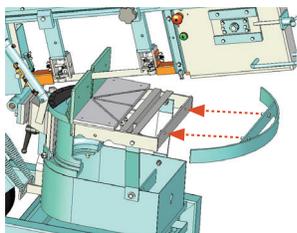


Fig. 3 - Attach Shut-off Rail

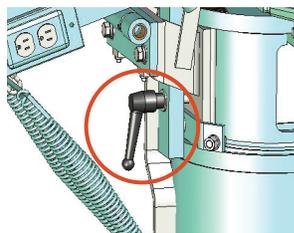


Fig. 4 - Ratchet Handle



Fig. 1 - Hydraulic Knob
Smaller Saws



Fig. 2 - Hydraulic Knob
Larger Saws

6. Lock head in place before moving the saw. Likewise, tighten the ratchet handle (See Fig. 4) to prevent the saw head from swiveling left and right. (Move stationary saws with head down.) (For mobile units, lock head in an upright/angled position.)
7. Do NOT operate this product before reading the **Safety Precautions** on the opposite page.
8. Watch the provided DVD and/or visit our website: **EllisSaw.com**



HOW TO BREAK-IN A NEW BLADE

After installing a new blade, use the hydraulic knob to gradually feed the blade into the material for about the first ten minutes of cutting time. Think of the blade as you would a new lead pencil. The newly sharpened lead will break if you write too hard. Use the pencil gently until the lead is slightly rounded. Follow this rule and your blade will last a long time. See page 5 for more detailed information.

1-800-383-5547



EllisSaw.com



WARNING!!



Please Read The Following Safety Guidelines Before Using The Saw! Failure To Do So May Result In Serious Injury

SAFETY PRECAUTIONS

1. **Unplug the saw** from the power source before making repairs/adjustments or changing the blade.
2. **NEVER** hold any material with hands while the blade is in motion.
The momentum of the blade could pull your hand into the blade.
3. **ALWAYS** use the **vise** to secure material.
A vise is included with every saw (See Fig. 5)
4. Never push down on the saw head when cutting.
The Ellis saw is designed to cut material with only limited assistance from the operator.
5. Stand on the hydraulic side of the saw while operating and keep good balance at all times.
Do **NOT** reach across the saw.
6. Before moving the saw, secure the head using the hydraulic knob and the ratchet handle
(See opposite page).
7. Make sure adjustable guide arm is as close as possible to material being cut.
8. Always use a **stock stand** when cutting a large work piece. (See accessories)
9. People with implanted pacemakers or defibrillators should consult their physician before using this saw.
10. Always keep children away.

Fig. 5
Vise



WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT AND SETUP A SAFE WORK AREA

11. Wear safety glasses at all times.
12. Wear heavy gloves when changing the blade.
13. Do not wear loose clothing, jewelry or neckties
as they may be caught in moving parts.
14. Wear steel toed shoes.
15. Do not use in wet locations.
16. Work in a well ventilated area with approved
safety equipment.
17. Plug the electrical cord into a matching outlet
that is properly installed and grounded in accordance
with local codes and ordinances.



PROPER SAFETY MAINTENANCE

18. Keep guards in place and in good working order.
19. Keep saw clean, uncluttered and well lighted.
20. Replace damaged or worn cords immediately.
21. Maintain labels and nameplates on the saw as they contain
pertinent information on your machine. *Call Ellis for replacements.*

GENERAL GUIDELINES USING THE ELLIS SAW

22. Always break-in new blades, to maintain blade life.
*(See opposite page and p.5, also watch DVD
and/or our visit website)*
23. Never use a liquid coolant with the saw. (See *Air Cooling* p.7)
24. Use only accessories recommended by the manufacturer.
25. Use only identical OEM replacement parts.

GENERAL OPERATING INSTRUCTIONS:

1. Lock the saw head with hydraulic knob.
2. **Clamp material with vise securely.**
3. Adjust guide arm. (See *Safety Precautions.*)
4. Make necessary adjustments to
hydraulic feed to set feed rate.
5. Push green button.
6. **Keep hands clear!!** Let saw finish cutting.
Once the saw head reaches the shut-off
rail, the blade will stop.
7. Once the blade has completely stopped,
lift up head and lock it. Repeat procedure
to continue cutting.
8. *See pages 5 + 6 for more detailed informa-
tion.*

To change the cutting angle of the saw:

1. First lift the saw head and lock it.
2. Then loosen the ratchet handle. (Fig. 4)
3. Move saw head to desired position,
e.g. 45°, left or right.
4. Then lock ratchet handle.