

## BLADE INSTALLATION



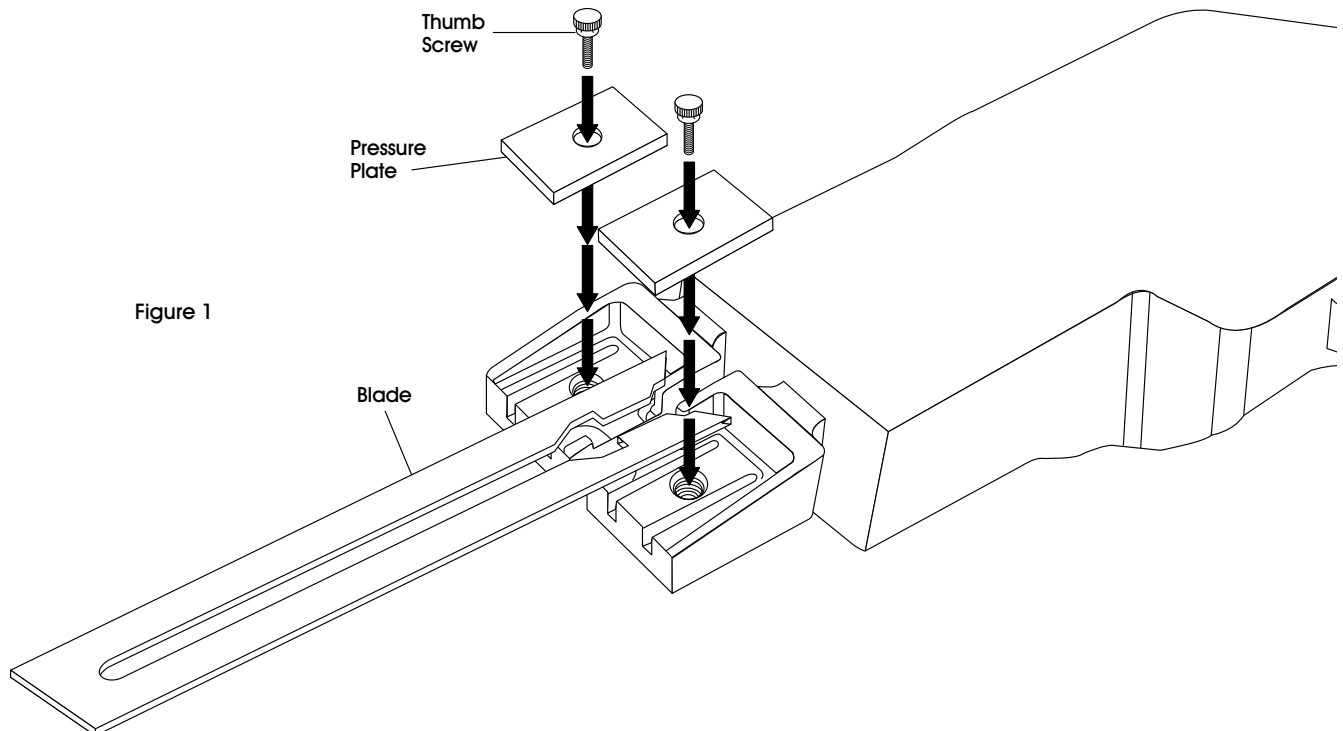
**CAUTION!** Always unplug the foam hot knife before installing or removing the blade. Allow sufficient cooling time for blade, pressure plates and thumb screws before handling.

1. Remove the thumb screws and lift off the pressure plates. (See Figure 1)
2. Place blade into the proper grooves. (See Figure 1)


3. Place pressure plates over the blade and securely tighten the thumb screws. (See Figure 1)
4. Once the blade is firmly in place, plug the unit into a standard 110V power outlet.



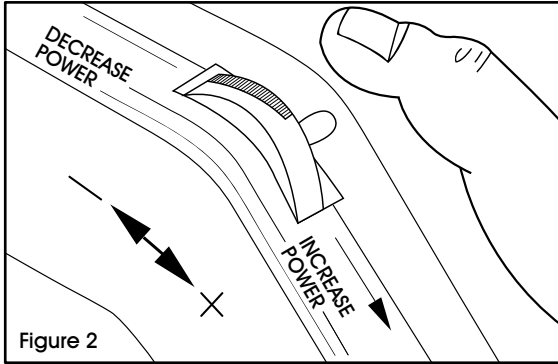
**NOTE:** Blade must be firmly in place and properly tightened down to complete the circuit or the knife will not turn on.




## OPERATION INSTRUCTIONS

 **NOTE:** Use to cut EPS, Polyethylene and Polypropylene foams. **DO NOT** use to cut Polyurethane foam or rubber.

1. Plug in to a standard 110V outlet.
2. Set temperature control knob to midrange setting. (See Figure 2)



3. Place blade against the edge of the foam and squeeze the trigger. Blade will heat up to optimal temperature within 10-20 seconds.

 **NOTE:** If excessive smoke develops, you are cutting too slowly or the blade is too hot.



**CAUTION!** Keep hot blades away from skin, clothing and other flammable materials.

4. Once smoke starts to appear during cutting, release the trigger and keep moving the knife through the foam.



**NOTE:** The entire blade should be immersed in the foam while cutting.



**CAUTION!** Do not tape trigger down or force trigger into the on position in any way.

5. As cutting speed slows due to greater resistance, squeeze the trigger again for 10-20 seconds.



**NOTE:** Knife is designed for use in 10-minute intervals. Allow knife to cool down between intervals to prevent overheating.

6. Release trigger approximately one to two inches prior to completion of the cut to prevent buildup on the knife.

## BLADE CLEANING INSTRUCTIONS

1. If foam builds up on knife after use, unplug unit and let cool completely.
2. Disassemble blade from knife.
3. Spray with carburetor/starter fluid and gently scrub the blade using a soft wire brush or steel wool until buildup is removed.



**CAUTION:** In the event foam builds up on the knife, **DO NOT ATTEMPT TO BURN OFF.**

## TROUBLESHOOTING

OPERATING ISSUE	CAUSES	RECOMMENDATIONS
Knife will not turn on.	No power to knife. Blade not installed properly.	Verify knife is plugged into live, standard 110V outlet. Make sure blade is installed correctly and tightened. See "Blade Installation" instructions.
Foam build-up on knife.	Foam residue forms after repeated uses.	Follow "Blade Cleaning Instructions."
Knife stops working during use.	Knife overheated. Using knife longer than 10 minutes at a time.	Let knife cool and restart. Make sure knife is not forced on.
Excessive smoking during cutting.	Cutting foam too slowly. Blade too hot.	Release trigger. Let knife cool. Restart unit.

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