

# TRIM SAW ATTACHMENT

FOR THE GENIE

100-TSG-105



Owners Manual



# GENIE TRIM SAW

## IMPORTANT SAFETY INSTRUCTIONS

PLEASE READ BEFORE OPERATING THE SAW

- √ Do not use heavy pressure when sawing. If the stone should fracture, your hands might hit the blade before you could prevent it.
- √ You should also place your hands to either side of the blade rather than in line with it so that a sudden slip would not direct your hands into the blade.
- √ Do not replace your saw blade with one that is thinner than the .030 inch blade provided. Thinner blades can cut flesh much more readily than the blade provided. Thinner blades are also much more easily damaged and require higher operating speeds.
- √ Always wear eye protection. Chips can fly off of stones during sawing or grinding.
- √ Do not try to slab rocks on your trim saw. The rock may be thrown from your hands.
- √ Dry your hands before unplugging or plugging in your machine into an electrical outlet.
- √ Be sure that your Genie is plugged into a properly grounded electrical outlet. Do not operate any electrical machinery while standing on a wet surface.

**WARNING:**

TRIM SAWS CAN CUT FINGERS!

## INSTRUCTIONS:

1. Remove hood and pan from right hand side of Genie. Place the right hand geyser in front of the motor.
2. Remove the Nova wheels from the right hand side of the Genie by turning them in the same direction they rotate while in use. As this is being done, the motor shaft must be prevented from turning by holding the left hand wheels stationary.
3. Place saw pan so that front lip and bottom tab on underside of pan are flush with the front edge and right edge of Genie board respectively.
4. Mount the saw blade on the adaptor between the two large flanges. The recessed side of the moveable flange (washer) should be towards the blade. Make sure the blade and flanges are clean, as a piece of grit may prevent the blade from running true. It is good practice to oil the threads before installing the nut. The nut should not be tightened excessively. The nut has 1"-14 right hand threads.
5. Install blade and adaptor on motor shaft. Turn opposite to direction blade turns while in use (clockwise to tighten). Tighten by hand only so that removal can also be done by hand .
6. Place saw table so that the front edge of the blade enters the slot in the table. Slide into place.
7. Install trim saw hood over right hand hood bracket with the bottom edge of the hood fitting into the slot at the rear of pan.
8. Place splash guards on right side and front of pan if desired.
9. Pour five pints (2.4 liters) water in saw pan. Add 1/4 teaspoon Water Aid.
10. Rotate wheels by hand to be sure blade turns freely. If blade rubs on saw table, check to see if saw blade adaptor is threaded all the way onto motor shaft. Also check to see if pan is in proper position with front lip against front edge of Genie board and bottom tab against right edge of board. If blade still rubs on saw table, it will be necessary to loosen the two bolts that hold the motor to the board. Adjust motor so that the blade is centered in the table slot and re-tighten the mounting bolts (it may be necessary to enlarge the holes in the base board with a drill to allow additional motor adjustment in some cases). Once motor is correctly positioned and securely tightened down this adjustment will be permanent.
11. Saw is now ready to use. PLEASE READ SAFETY INSTRUCTIONS BEFORE USING TRIM SAW.

# SAWING TIPS

- ✓ Do not use your trim saw as a slab saw. This can cause your blade to develop "flat spots" very quickly.
- ✓ The blade will cut best when a steady, moderate pressure is applied to the stone.
- ✓ Make straight line cuts only. The blade will be "dished" by any attempt to cut a curved line.
- ✓ A steady "diet" of dense stones such as agate tends to dull the blade, especially if plain water is used. The blade can be sharpened by making a cut in a blade dressing stick, an old silicon carbide or aluminum oxide grinding wheel, or by trimming such stones as obsidian, onyx or rhodonite.
- ✓ Never use your trim saw without coolant. Plain water can be used as a coolant without damage to the blade; however, the blade will stay sharper and cut much more easily if a wetting agent such as Water Aid is used.
- ✓ After using your saw the water should be emptied, or at least lowered so the blade is not in the water (to protect the blade from rusting).
- ✓ If you are using a wetting agent such as Water Aid, you may wish to save the coolant for future use. Allow the rock dust to settle to the bottom of the pan and pour the clear coolant off the top.
- ✓ Do not flush trim saw mud through garbage disposal units. The mud may be dried and disposed of in trash containers or can be applied to garden areas (Water Aid is bio-degradable and not harmful to soil).
- ✓ A wetting agent tends to wash oil from your hands just as dish washing detergent does. You may need to apply lotion to your hands after cutting a number of stones.
- ✓ It is not recommended that you use trim saw blades that are either thicker or thinner than the .030" blade supplied. Thicker blades do not cut well with water as a coolant and thinner blades require a higher RPM to "stiffen" them. (The exception to this would be for glass cutting where a thicker blade may be used)
- ✓ Trim sawing is more efficient than grinding. It pays to trim close.
- ✓ With the angle block provided with your saw, you can now do a better job than ever before. Once your cab has been rough trimmed from the slab, place the angle block on the saw table with the saw blade in the slot in the block and with the two lugs of the block fitting into the two small holes in the saw table. Now place your cab face down on the angle block and finish trimming to size. The edges of your stone will have been cut at a 10 degree angle and you will have a head start towards grinding the bezel.
- ✓ We hope you will enjoy the convenience of a trim saw that you can use in your home - on your Genie, and without mess, fumes or the fire hazard of an oil-cooled saw.

**Orders/Technical Support:**

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