

Owners Manual

8RL Rotary Lap

500-8RL-100




DIAMOND PACIFIC
TOOL CORPORATION



S U V A
LAPIDARY SUPPLY

DIAMOND WHEELS
PIXIE COLLECTION
GENIE COLLECTION
TITAN COLLECTION
CABBING SUPPLIES
CARVING SUPPLIES
TUMBLING SUPPLIES

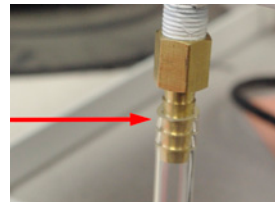


General Operating Instructions for Your Diamond Pacific Model 8RL Rotary Diamond Lap

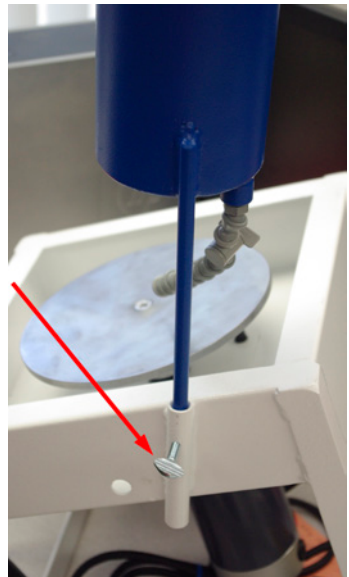
Your Model 8RL comes equipped with an 8 inch steel backing plate and water drip can. (Magnetic diamond laps sold separately). The bearings on your machine are factory sealed and permanently lubricated.

1. Unpack your machine and place it on a sturdy, level surface that places it at a comfortable working height.

2. Remove the drain hose from inside the lap tank and push it onto the hose barb on the front of the tank. Place the other end in something to catch the waste water.



3. Place the stem of the drip tank assembly into the tube on the side of the lap tank, turn the tank so that the water nozzle can reach the center of the lap plate and tighten the thumb screw to hold the tank in position.



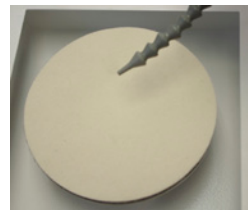
4. Fill the drip tank with water.
5. Center the magnetic backed lap that you wish to use on the steel backing plate.
6. Plug in the electrical cord.

7. Turn the valve on the drip line to allow water to drip onto the lap plate.
8. Turn on the power switch and start lapping!
9. Each slab that is to be ground or polished must be held by hand against the lap plate.
10. Small stones can be easily lapped with one hand, while larger stones will require the use of both hands.
11. Flats are difficult to grind or polish. The stone must be held securely and moved back and forth across the lap surface with uniform pressure. Because the lap is turning faster out at the end than nearer the center, it is a good idea to frequently turn the stone. Uniform pressure must be continually applied, otherwise the stone will become crowned or ground more at the edges than in the center of the stone. The stone must never be allowed to extend over the edge of the lap plate because this will result in a groove being ground into the flat and will be difficult to remove.

12. After you finish with the lap you are using, turn off the machine, lift the lap off of the backing plate starting from one edge and place the next lap you wish to use in place.



13. The polishing process is done exactly like the grinding process, except a polishing agent is used on a felt pad with magnetic backing.



Our Nova brand magnetic laps are available in 10 grits ranging from 30 all the way to 50,000.

Contact us for more information.

Parts and Accessories	
<i>Description</i>	<i>Order Number</i>
Water aid (8 ounce)	410-WA-108
Water aid (16 ounce)	410-WA-116
Felt Polishing Pad (magnetic)	100-PAD-M-08F

Orders/Technical Support:

Toll Free: (800)253-2954

Outside US: (760)255-1030

Fax: (760)255-1077

E-mail: info@diamondpacific.com



2620 W Main St, Barstow CA USA, 92311