

OPTIMUS HANDPIECE

OWNER'S MANUAL



Ram Products, Inc.
182 Ridge Road, Suite D
Dayton, N.J. 08810
Monday thru Friday 8:30 - 6:30 EST

Phone: 1-877-RAM-PROD / 1-732-651-5500
Fax: 1-732-651-6688
or e-mail us at ram@ramhp.com

182 Ridge Road, Suite D, Dayton, N.J. 08810 Phone: 732.651.5500
Fax: 732.651.6688 ram@ramhp.com www.ramhp.com

Contents

INSTRUCTIONS FOR CHANGING BRUSHES 2

INSTRUCTIONS FOR CHANGING CHUCKS 3

MAINTENANCE.....4

PRECAUTIONS.....5

A. INSTRUCTIONS FOR CHANGING BRUSHES FOR OPTIMUS HP

The brushes are located in the back of the handpiece, in the section closest to the power cord.

- 1) Hold the front section of the handpiece with one hand and unscrew the rear cover (1¼" long ring) at the back of the handpiece with the other hand.
- 2) Remove both of the old brushes using a small Phillips head screwdriver. Remove the two screws holding the brushes – one on each side and the brushes are easily removed.
- 3) Insert the new brushes and secure with the two Phillips head screws and attach the rear cover.
- 4) New brushes may take several hours during the break in period where the handpiece may run slightly warmer than usual.

B. INSTRUCTIONS FOR CHANGING CHUCKS FOR THE OPTIMUS HP

The Optimus handpiece was designed for ease and simplicity in changing chucks.

- 1) Align notch so that the wrench tool (looks like a pitch fork) can be inserted in the notch on the nose tip. IF NOT ALIGNED PROPERLY THE WRENCH TOOL WILL NOT FIT SECURELY.
- 2) With the (pitch fork wrench) in place, turn the set ring clockwise (SEE PICTURE ON THE NEXT PAGE) to open the chuck, the chuck will extend upward.
- 3) Using the smaller wrench tool, place the triangle section of the wrench over the top of the chuck turning counter-clockwise until the chuck is completely unscrewed and is loosened from the spindle. When the chuck is loose enough, remove using your fingers.

B. INSTRUCTIONS FOR CHANGING CHUCKS FOR THE OPTIMUS HP

- 4) Insert a different sized chuck or replacement chuck (insert a blank bur). Screw the chuck in place with your fingers (as far as you can go), then place the wrench tool with the triangle section, over the top of the chuck, and turn the tool clockwise until the chuck is completely tightened. DO NOT TIGHTEN WITHOUT A BLANK BUR INSERTED INTO CHUCK AND DO NOT OVER TIGHTEN.
- 5) Turn set ring counter-clockwise to lock or secure a bur or mandrel.
- 6) Check carefully to make sure the bur or mandrel is securely held by the chuck by gently pulling on the bur or mandrel. The bur or mandrel should be firmly locked in place.
- 7) If the bur is not tightened properly and secured, repeat steps 4 and 5. If the bur is easily removed while the chuck is closed, the chuck needs to be tightened. If the chuck does not properly lock the bur or if it is difficult to remove the bur when the chuck is locked then the chuck needs to be loosened slightly by using the wrench tool counter-clockwise.

Note: Please do not remove nose cone section or remove the complete spindle assembly.

Warning: DO NOT use handpiece without the bur or chuck properly secured. Permanent damage to the motor is possible.

| | | | |
|---------------------|---------------|---|----------------|
| Replacement chucks: | 3/32" -2.35mm | - | Part #T02L-13 |
| | 3mm | - | Part #T02L-13A |
| | 1/8" -3.17mm | - | Part #T02L-13B |