WARRANTY

DENTAMERICA® warrants this unit against defects in material or workmanship for a period of one year from the date of purchase. This warranty does not apply to damage arising out of abuse, alteration or improper operation of the unit.

DENTAMERICA® shall repair or replace the defective unit upon return of the unit together with evidence of purchase date to its authorized dealer.

Carbon brushes and bearings are excluded from the warranty.
STANDARD COMPONENTS

1. ROTEX 782 Control Unit
2. E-type Handpiece
3. Contra Angle Attachment
4. Straight Attachment
5. Variable Foot Control
6. Handpiece Rest
7. Power Cable
8. Instructions

INSTALLATION

Control Unit
1. Connect handpiece to the control unit (Figure 1).
2. Connect variable foot control to the control unit (Figure 2).
3. Leave hand/foot selector on “hand” position for hand speed control.
4. Set speed control to minimum R.P.M. (Figure 3).
5. Plug the power cable into socket at the rear of the control unit and plug the other end into the AC socket (Figure 4).
6. Switch on the power. The unit is ready to use.

E-type Handpiece
To attach the straight or contra angle attachment, push the attachment firmly onto the shaft of the motor (Figure 5). To remove the straight and contra angle attachment, pull the attachment firmly away from the shaft of the motor. Make sure low speed handpiece is in engaged with tool before operation.

Straight Attachment:
To unlock the bur, twist the front grip counter clockwise until it clicks; To lock the bur, twist the front grip clockwise until it clicks (Figure 6).

Contra Angle Attachment
To unlock the bur, slide the head lever to the right, away from the head; to lock the bur, slide the head lever to the left toward the head (Figure 7).
OPERATION

1. Select desired operating speed by using the "SPEED CONTROL" knob. The minimum rotation speed is 1000RPM. To increase the speed, turn the knob clockwise. To decrease speed, turn knob counter clockwise.

2. Leave hand/foot selector on "hand" position. If using foot control pedal is desired, leave hand/foot selector on "FOOT" position.

3. Select desired rotation direction by switching to "FORW." for clockwise rotation or switching to "REV." counter clockwise rotation.

4. Push reset button if operation is interrupted by overload. Restart the unit.

5. Turn off the unit after use to protect the motor and the unit.

NOTE

1. Protect your eyes! Always wearing approved safety glasses when operating the handpiece.

2. To prolong the life of the attachment, do not use more than half of the maximum power of the speed control.

3. If the bur is founded curved or tilted, never reuse these burs as they may be prone to breakage and or damage the handpiece chuck.

STERILIZATION

1. Autoclave the low speed handpiece attachments after each use.

2. E-type handpiece motor section is not autoclavable. The E-type handpiece and its cable can be wiped down with surface disinfectants.

MAINTENANCE

1. The ROTEX E-type handpiece is a delicate precision instrument. If the handpiece is accidentally dropped or abused in any way, an immediate check for unusual noise or operating roughness should be performed. Using a defective handpiece may cause permanent damage beyond repair to the unit and is extremely hazardous to the operator.

2. Never run the handpiece without a bur or mandrel inserted and engaged (locked position) in the low speed handpiece. Failure to comply will burn out the motor.

3. Never lubricate the motor or any part of the E-type handpiece. Lubrication of the handpiece will contaminate the ball bearings and damage the handpiece.

4. E-type handpiece is not autoclavable. Lubricate the low speed attachment with high quality dental lubricant for routine handpiece maintenance.

5. Make the work area as clean as possible to avoid contamination of the ball bearings leading to early failure of the handpiece. A dust collector is highly recommended.
REPLACEMENT OF CARBON BRUSHES

A loss of power of sporadic performance may be indications of brush wear. A set of two easily replaceable carbon brushes are available from your local dealer. Replacement is recommended when the carbon brush length is less than a 1/16 of an inch (0.16cm).

1. Unplug handpiece from the unit.
2. Unscrew the plastic bottom casing of the handpiece by hand turning in a counter clockwise rotation.
3. Using a pair of tweezers or a sharp tool, pull out the brushes one at a time and discard. There is no need to unscrew the brush bracket.
4. Replace the brush (Figure 8).

(Top of image shows a handpiece with carbon brushes being removed)

(Figure 8)

TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Problem</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Control unit is not working</td>
<td>1. Check the power cable is well-connected</td>
</tr>
<tr>
<td></td>
<td>2. Check if the fuse is burned out.</td>
</tr>
<tr>
<td></td>
<td>3. Return to dealer for service.</td>
</tr>
<tr>
<td>2. Can not adjust the speed</td>
<td>Return to dealer for service.</td>
</tr>
<tr>
<td>3. Unstable rotation</td>
<td>1. Check if the carbon brush is attrite.</td>
</tr>
<tr>
<td></td>
<td>2. Check if the handpiece cable is well-connected to the unit.</td>
</tr>
<tr>
<td></td>
<td>3. Check if the power cable is loose or damaged.</td>
</tr>
<tr>
<td>4. Noisy or hot handpiece</td>
<td>4. Return to dealer for service</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Control Unit</th>
<th>E-type Handpiece</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>RPM</td>
</tr>
<tr>
<td>110/220V 50/60 Hz</td>
<td>1,000-35,000 rpm</td>
</tr>
<tr>
<td>Output</td>
<td>Cable Length</td>
</tr>
<tr>
<td>2-39V DC</td>
<td>17cm</td>
</tr>
<tr>
<td>Fuse</td>
<td>Weight</td>
</tr>
<tr>
<td>2A</td>
<td>0.2kg</td>
</tr>
<tr>
<td>Dimensions L120 X W190 X H 80 mm</td>
<td></td>
</tr>
<tr>
<td>Weight 2.0kg</td>
<td></td>
</tr>
</tbody>
</table>

WARNING

THIS UNIT HAS NO WATER PROOF CAPABILITIES. DO NOT IMMERSE OR WET THE UNIT.
DO NOT APPLY DISINFECTING AGENTS CONTAINING CHEMICALS SUCH AS GLUTARALDEHYDE ON THE PLASTIC PARTS OF THE UNIT AS THEY WILL DISCOLOR AND BREAK DOWN THE PLASTIC. DAMAGE CAUSED BY USE OF SUCH PRODUCTS IS NOT COVERED UNDER WARRANTY.