Handpiece Maintenance Instructions

RDH

Midwest Plus Handpiece Lubricant (#380130) and Midwest Plus™ Handpiece Cleaner/Lube (#380140) and Handpiece Maintenance Instructions

For optimal performance and service life, regularly check handpiece internal and external parts for wear and tear. Lubricate the internal parts of your handpiece regularly to keep your instrument running correctly. For optimal performance and service life, properly maintain your handpiece.

1. Insert handpiece into sterilization bag and load into autoclave.
2. Run motor for a minimum of 30 seconds on the hose or use a Midwest Air Station (#380800) until it reaches normal speed.
3. Place angle in a beaker of Midwest Plus Handpiece Cleaner (#380140) and let it sit for 3.5 minutes.
4. Run motor for 30 seconds to ensure that the internal working parts of the motor are completely lubricated.
5. The Shorty motor is now ready for use.

IMPORTANT:

- Apply 1 drop of Midwest Plus Handpiece Lubricant on gears inside head.
- Place 2 drops of Midwest Plus Handpiece Lubricant on the inside of the forward/reverse valve and slide from side to side.
- Each side of the forward/reverse valve and slide from side to side.
- Inside nose of motor.
- Inside of motor latch.
- Right Angle Sheath - Place 1 drop of lubricant on the exposed gear of sheath.
- Contra Angle Sheath - Place 1 drop of Midwest Plus Handpiece Lubricant into neck of head.
- Contra Angle Sheath - Place 1 drop of lubricant inside back end of angle.
- Place 3 drops of lubricant into back end of angle.
- Place 1 drop of lubricant on gear of sheath.

10. Angle, attachment, sheath or head is now ready to use.

11. Weekly or as-needed maintenance:

- Disassemble angle, sheath and head.
- Vented nozzle fully into drive air tube. The drive air tube is the shorter of the two big tubes at the back of the handpiece, and is a gold color on newer handpieces.
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- Inside nose of motor.
- Inside of motor latch.
- Right Angle Sheath - Place 1 drop of lubricant on the exposed gear of sheath.
- Contra Angle Sheath - Place 1 drop of Midwest Plus Handpiece Lubricant into neck of head.
- Contra Angle Sheath - Place 1 drop of lubricant inside back end of angle.
- Place 3 drops of lubricant into back end of angle.
- Place 1 drop of lubricant on gear of sheath.

10. Angle, attachment, sheath or head is now ready to use.

IMPORTANT:

- Spray Midwest Plus Handpiece Cleaner onto external surfaces of motor only.
- Scrub and rinse external surfaces of motor under warm tap water with a soft brush or sponge.
- Dry thoroughly with a gauze pad or paper towel.
- The Rhino motor is now ready for use.

Low Speed

The short-cut:

1. Insert motor into sterilization bag and load into autoclave. Midwest Air Station (#380800) to maintain your motor.
2. Run motor for a minimum of 30 seconds on the hose or use a Midwest Air Station (#380800) until it reaches normal speed.
3. Wash motor in a beaker of Midwest Plus Handpiece Cleaner (#380140) and let it sit for 3.5 minutes.
4. Run motor for 30 seconds to ensure that the internal working parts of the motor are completely lubricated.
5. The Rhino motor is now ready for use.

IMPORTANT:

- Scub and rinse external surfaces of motor under warm tap water with a soft brush or sponge.
- Dry thoroughly with a gauze pad or paper towel.
- The Rhino motor is now ready for use.

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Low Speed

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2. Run motor for a minimum of 30 seconds on the hose or use a Midwest Air Station (#380800) until it reaches normal speed.
3. Wash motor in a beaker of Midwest Plus Handpiece Cleaner (#380140) and let it sit for 3.5 minutes.
4. Run motor for 30 seconds to ensure that the internal working parts of the motor are completely lubricated.
5. The Rhino motor is now ready for use.

IMPORTANT:

- Scub and rinse external surfaces of motor under warm tap water with a soft brush or sponge.
- Dry thoroughly with a gauze pad or paper towel.
- The Rhino motor is now ready for use.
Handpiece Maintenance Instructions

**Shorty®**

**For initial use:**

1. Select appropriate head type.
2. Apply 3 drops of Midwest Plus Handpiece Lubricant to handpiece neck.
3. Insert motor into sterilization bag and load into autoclave.
4. Run motor for 30 seconds and discontinue.

**Weekly or as-needed maintenance:**

1. Insert motor into sterilization bag and load into autoclave.
2. Run motor for a minimum of 30 seconds on the hose or use a Midwest Air Station until it reaches normal speed.
3. Dry thoroughly with a gauze pad or paper towel.
4. Place 1 drop of Midwest Plus Handpiece Lubricant on the outside of the handpiece (making sure front of angle is completely covered).
5. Run angle, attachment, sheath or head for a minimum of 30 seconds on the motor or use a Midwest Air Station until it reaches normal speed and all excess lubricant has been expelled. This ensures that the internal working parts of the motor are completely lubricated.

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**Rhino XP®**

**For initial use:**

1. Select appropriate head type.
2. Apply 3 drops of Midwest Plus Handpiece Lubricant to handpiece neck.
3. Insert motor into sterilization bag and load into autoclave.
4. Run motor for 30 seconds and discontinue.

**Weekly or as-needed maintenance:**

1. Insert motor into sterilization bag and load into autoclave.
2. Run motor for a minimum of 30 seconds on the hose or use a Midwest Air Station until it reaches normal speed.
3. Dry thoroughly with a gauze pad or paper towel.
4. Place 1 drop of Midwest Plus Handpiece Lubricant on the outside of the handpiece (making sure front of angle is completely covered).
5. Run angle, attachment, sheath or head for a minimum of 30 seconds on the motor or use a Midwest Air Station until it reaches normal speed and all excess lubricant has been expelled. This ensures that the internal working parts of the motor are completely lubricated.

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**Low Speed**

1. Run angle, attachment or sheath from high to low speed 3 times and discontinue.
2. Dry thoroughly with a gauze pad or paper towel.
3. Apply 3 drops of Midwest Plus Handpiece Lubricant to back end of each type of sheath.
4. Run angle, attachment or sheath from high to low speed and back again. Lubricant is now applied to internal working parts of the motor.
5. Dry thoroughly with a gauze pad or paper towel.
6. Repeat the lubrication process recommended by DENTSPLY to ensure your handpiece is ready for use.

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**Maintenance Procedures using Midwest Products:**

- *RDH Handpiece®* — (supplied with RDH motor shorty or sheath)
- *Shorty®* — (supplied with RDH motor shorty or sheath)
- *Rhino XP®* — (supplied with RDH motor shorty or sheath)
- *RDH Shorty®* — (supplied with RDH motor Shorty)
- *RDH Rhino XP®* — (supplied with RDH motor Rhino XP)
- *RDH Shorty®* — (supplied with RDH motor Shorty)
- *RDH Rhino XP®* — (supplied with RDH motor Rhino XP)

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**RDH Handpiece®**

1. Remove access control head type.
2. Apply 3 drops of Midwest Plus Handpiece Lubricant into drive air tube.
3. Run motor for a minimum of 30 seconds on the hose or use a Midwest Air Station until it reaches normal speed.
4. Dry thoroughly with a gauze pad or paper towel.
5. Apply 1 drop of Midwest Plus Handpiece Lubricant to gear head.
6. Place 1 drop of Midwest Plus Handpiece Lubricant on the following surfaces:
   - Internal working parts of the handpiece sheath.
   - Teeth on handpiece sheath.
   - Teeth on outside of handpiece sheath.
   - Replacement screw on RDH handpiece is being used.
   - Inside of motor latch.

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**RDH Shorty®**

1. Remove access control head type.
2. Place 3 drops of Midwest Plus Handpiece Lubricant into drive air tube.
3. Run motor for a minimum of 30 seconds on the hose or use a Midwest Air Station until it reaches normal speed.
4. Dry thoroughly with a gauze pad or paper towel.
5. Apply 1 drop of Midwest Plus Handpiece Lubricant to gear head.
6. Place 1 drop of Midwest Plus Handpiece Lubricant on the following surfaces:
   - Internal working parts of the handpiece sheath.
   - Teeth on handpiece sheath.
   - Teeth on outside of handpiece sheath.
   - Replacement screw on RDH handpiece is being used.
   - Inside of motor latch.

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**RDH Rhino XP®**

1. Remove access control head type.
2. Place 3 drops of Midwest Plus Handpiece Lubricant into drive air tube.
3. Run motor for a minimum of 30 seconds on the hose or use a Midwest Air Station until it reaches normal speed.
4. Dry thoroughly with a gauze pad or paper towel.
5. Apply 1 drop of Midwest Plus Handpiece Lubricant to gear head.
6. Place 1 drop of Midwest Plus Handpiece Lubricant on the following surfaces:
   - Internal working parts of the handpiece sheath.
   - Teeth on handpiece sheath.
   - Teeth on outside of handpiece sheath.
   - Replacement screw on RDH handpiece is being used.
   - Inside of motor latch.