Low Speed

The whirl

1. Place item(s) into sterilization bag and load into autoclave. Midwest recommends using sterilization bags with at least one paper side.
2. Motors should be processed in the autoclave for 15 minutes at sterilization temperature of 135˚C (275˚F).
3. Item(s) should be processed unbagged for 3.5 minutes at sterilization temperature of 135˚C (275˚F).

Weekly maintenance:

1. Remove angle, attachment or sheath from motor.
2. Place 1 drop of Midwest Plus Handpiece Lubricant into chuck.
3. Scrub and rinse external surfaces of angle, attachment or sheath under warm tap water with a soft brush or sponge.
4. While holding can of Midwest Plus Aerosol Spray upright, insert nozzle into back end of angle, attachment or sheath.
5. Hold nozzle in place with one hand and use the other hand to spray for 3.5 minutes at sterilization temperature of 135˚C (275˚F). This expels any remaining lubricant from the motor.
6. Spray Middle Plus Handpiece Cleaner onto exterior surfaces of angle, attachment or sheath.
7. While holding can of aerosol spray upright, insert nozzle into back end of angle, attachment or sheath.
8. Hold nozzle in place with one hand and use the other hand to spray for 3.5 minutes at sterilization temperature of 135˚C (275˚F). This expels any remaining lubricant from the motor.

Before initial use:

1. Run angle, attachment or sheath on the motor for 30 seconds to make sure that the internal working parts of the motor are completely lubricated.
2. Make sure that the internal working parts of the motor are completely lubricated.
3. If sluggishness occurs:

- Place 1 drop of Midwest Plus Handpiece Lubricant onto each end of the gear and shaft assembly.
- Contra Angle Sheath – Place 1 drop of Midwest Plus Handpiece Lubricant on the exposed gear of sheath.
- Right Angle Sheath – Place 1 drop of lubricant on the exposed gear of sheath.
- Place 3 drops of lubricant into back end of each type of sheath.

4. The motor is now ready for use.

High Speed

The whirl

1. Item(s) into sterilization bag and load into autoclave. Midwest recommends using sterilization bags with at least one paper side. Motors should be processed in the autoclave for 15 minutes at sterilization temperature of 135˚C (275˚F).
2. Item(s) should be processed unbagged for 3.5 minutes at sterilization temperature of 135˚C (275˚F).

Weekly maintenance:

1. Remove angle, attachment or sheath from motor.
2. Place 1 drop of Midwest Plus Handpiece Lubricant into chuck.
3. Scrub and rinse external surfaces of angle, attachment or sheath under warm tap water with a soft brush or sponge.
4. While holding can of Midwest Plus Aerosol Spray upright, insert nozzle into back end of angle, attachment or sheath.
5. Hold nozzle in place with one hand and use the other hand to spray for 3.5 minutes at sterilization temperature of 135˚C (275˚F). This expels any remaining lubricant from the motor.
6. Spray Middle Plus Handpiece Cleaner onto exterior surfaces of angle, attachment or sheath.
7. While holding can of aerosol spray upright, insert nozzle into back end of angle, attachment or sheath.
8. Hold nozzle in place with one hand and use the other hand to spray for 3.5 minutes at sterilization temperature of 135˚C (275˚F). This expels any remaining lubricant from the motor.

Before initial use:

1. Run angle, attachment or sheath on the motor for 30 seconds to make sure that the internal working parts of the motor are completely lubricated.
2. If sluggishness occurs:

- Place 1 drop of Midwest Plus Handpiece Lubricant onto each end of the gear and shaft assembly.
- Contra Angle Sheath – Place 1 drop of Midwest Plus Handpiece Lubricant on the exposed gear of sheath.
- Right Angle Sheath – Place 1 drop of lubricant on the exposed gear of sheath.
- Place 3 drops of lubricant into back end of each type of sheath.

4. The motor is now ready for use.

Maintenance procedures using Midwest Plus™ Handpiece Cleaner (#380140) and Midwest Nozzle (#380086)

1. While holding can of Midwest Plus Aerosol Spray upright, insert nozzle into back end of angle, attachment or sheath.
2. Hold nozzle in place with one hand and use the other hand to spray for 3.5 minutes at sterilization temperature of 135˚C (275˚F). This expels any remaining lubricant from the motor.
3. Spray Middle Plus Handpiece Cleaner onto exterior surfaces of angle, attachment or sheath.
4. While holding can of aerosol spray upright, insert nozzle into back end of angle, attachment or sheath.
5. Hold nozzle in place with one hand and use the other hand to spray for 3.5 minutes at sterilization temperature of 135˚C (275˚F). This expels any remaining lubricant from the motor.

Important: The use of Midwest products recommended by DENTSPLY® is necessary to maintain your Shorty motor.
Handpiece Maintenance Instructions

For optimal performance, maintenance of handpieces should be conducted after each use of the handpiece, and at least once weekly. The following instructions provide guidelines for the maintenance of handpieces:

**Prophy Cup Maintenance**
- Fill cup with Midwest Plus Handpiece Cleaner.
- Press cup into handpiece until it reaches normal speed.
- Lubricate prophy cup depending on which type.
- Dry thoroughly with a gauze pad or paper towel.

**RDH®**
- Run handpiece for a minimum of 30 seconds on the hose or use
- Spray Midwest Plus Handpiece Cleaner onto external surfaces
- Scrub and rinse external surfaces under warm tap water with a soft brush or sponge.
- Wipe off any excess lubricant on the outside of handpiece with a dry gauze pad or paper towel.

**Low Speed**
- Run angle, attachment, sheath or head for a minimum of 30 seconds on the motor.
- Dry thoroughly with a gauze pad or paper towel.

**Shorty®**
- Run angle, attachment, sheath or head for a minimum of 30 seconds on the motor.
- Dry thoroughly with a gauze pad or paper towel.

**Rhino XP®**
- Run handpiece for a minimum of 30 seconds on the hose or use
- Spray Midwest Plus Handpiece Cleaner onto external surfaces
- Scrub and rinse external surfaces under warm tap water with a soft brush or sponge.
- Wipe off any excess lubricant on the outside of handpiece with a dry gauze pad or paper towel.

**Maintenance Instructions**
- Weekly or as-needed maintenance:
  - Place 1 drop of Midwest Plus Handpiece Lubricant on the drive air tube.
  - Place 3 drops of lubricant into each type of sheath.
  - Scrub and rinse angle, attachment, sheath or head under warm tap water with a soft brush or sponge.
  - Dry thoroughly with a gauze pad or paper towel.

**Importance**
- Use only Midwest products recommended by DENTSPLY to maintain your handpiece.
- International patents pending.

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