

IMPORTANT NOTES: Read Before Use and Post Where Visible.

OM-T0009E Rev.2

1. Safety Precautions

The Air Turbine Handpiece runs at an extremely high speed, such as 400,000 revolutions per minute. Improper handling of the handpiece, use of incorrect bur, improper mounting of a bur and extended use of noisy cartridge may lead to an accident and injury: premature ball bearing failure, bur walk-out, impairment of your hearing, etc. Follow the instructions below.

- 1) Do not use a bent, damaged, or non-concentric bur.
- 2) Use a bur of ISO-Standard shank diameter and the correct length as specified in the Owners or Operation Manual.
- 3) Mount the bur into the chuck correctly as instructed in the said Manual.
- 4) Replace the cartridge or send for repair as soon as abnormal conditions are noticed.
- 5) Do not run the handpiece without a bur, or a bur loosely mounted.
- 6) Always securely mount a bur in the chuck, even while it is not in use.
- 7) Mounting of Cartridge:
 - a) To install a capsule type cartridge, align the pin on the cartridge with the guide slot in the handpiece head. Push it down or pull the bur blank or a bur down to set in place.
 - b) Mount the head cap. Mate the threads with fingers and screw in until finger-tight. Securely fasten the cap with the wrench provided. Do not use the wrench from the first thread.
- 8) Screw Type Cartridge:
 - a) Do not tighten the chuck without a bur in it.
 - b) A 1/4 to 1/2 counter-clockwise turn of a chuck is sufficient to remove a bur. Excessive turning may cause the chuck to bind into the head cap.
- 9) Ultra Push Type Cartridge: (Prevention of button heating)

Do not press the push-button during rotation. Contact with cheek tissue may cause the push-button to depress and burn to the patient may occur.

2 . Cleaning Of Handpiece:

- 1) Do not use wire brush to clean the handpiece sheath.
Wipe clean with alcohol-immersed cloth or cotton swab.
- 2) Do not clean in an ultrasonic bath, boiling water, nor chemicals.
- 3) To clean the turbine cartridge, spray a lubricant into the drive air tube of the handpiece until a good amount of oil comes out of the head. Run for a while to drive out excess oil. Repeat until dirty oil does not come out of the head.

3 . Lubrication:

Lubricate spray or oil after each use and/or before autoclaving. (See 4. Sterilization for frequency of lubrication.)

- a) Spray as described in 2.3), or
- b) Supply 2-3 drops of oil into the drive air tube of the handpiece, and run for a while.

4 . Sterilization:

- 1) Autoclaving is recommended.
- 2) Do not use Dry-Heat sterilization.
- 3) Autoclaving Procedure:
 - a) Clean the handpiece sheath.
 - b) Clean the bearing with spray lubricant as described in 2.3).
 - c) Lubricate as described in 3.
 - d) Place the handpiece in an autoclaving pouch with one or both sides of paper and seal.
 - e) Autoclavable up to a max. 135°C.
ex.) Autoclave for 20 min. at 121°C or 15 min. at 132°C.
- 4) Before using on a patient, run the handpiece for a while to drive out excess oil and check for any abnormalities.