

Endo-Express®

E-Type, 4-Hole Air Motor



CE
0473

Catalog Number
5510-00

Caution: Federal law restricts this device to sale by or on the order of a licensed dentist.



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RECOMMENDATIONS

1. AIR PRESSURE

Your dental unit air pressure should be adjusted to be between 40 and 50 p.s.i.

2. LUBRICATION

Your Endo-Express Air Motor will require daily lubrication as per "Lubrication Procedure" as outlined in this manual to insure proper operation and long life.

3. CLEAN DRY AIR

Moist air from your air compressor can damage the motor turbine of the Endo-Express Air Motor. Check and bleed the airline filter in control cabinet if moisture is present.

4. EMPTY OPERATION

The Endo-Express Air Motor will only operate when the chucking system is engaged. This feature eliminates any possibility of damaging the chuck of your handpiece.

INSTALLATION OF ENDO-EXPRESS AIR MOTOR TO DENTAL UNIT

1. Preset air pressure on dental unit to between 40 and 50 p.s.i.
2. Check to be sure that air from compressor is clean and moisture free.
3. Turn water supply to air line "Off".
4. Screw Endo-Express Air Motor on to connector and collar, flush to gasket.
5. Place Endo-Express reciprocating handpiece on to the Air Motor.
6. Depress foot control fully.
7. Endo-Express reciprocating handpiece should be running. Adjust speed/control/directional control by turning ring until desired speed is achieved. (Fig. 1)

Speed/Direction Ring

The variable green speed/directional ring is easily adjusted. By turning the speed/directional ring clock-wise from the center dot (neutral position) you are progressing through forward mode of operation. The first line or groove is the 10,000 rpm location. EDS recommends this location when using the Endo-Express reciprocating hand piece. The second dot is the 20,000 rpm location. The reverse mode of operation is accomplished by turning the ring to the counter clock-wise direction. Either the clock-wise or counter clock-wise direction will work with the Endo-Express reciprocating hand piece.

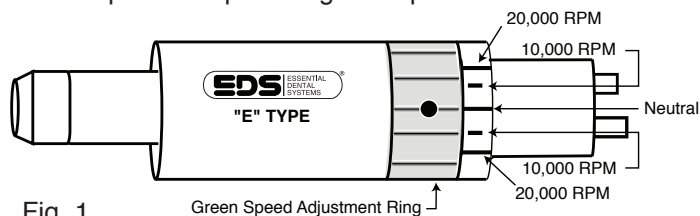


Fig. 1

Green Speed Adjustment Ring

DAILY LUBRICATION FOR ENDO EXPRESS AIR MOTOR

1. Unscrew Endo-Express Air Motor from collar and connector on air line.
2. Insert spray tube into air inlet hole on back end of handpiece. (4 Hole-smaller of 2 large holes)
NOTE: Use only spray to lubricant for your handpieces. The procedure should be repeated in both forward and reverse.
3. Apply lubricant for 1 to 2 seconds.
4. Wipe handpiece clean with dry clean cloth or gauze.
5. Reattach Endo-Express Air Motor and reciprocating handpiece to air line connector and collar.
6. Run Endo-Express reciprocating handpiece immediately after lubrication for 5 to 10 seconds, so that lubrication reaches all internal parts of handpiece.

ENDO-EXPRESS AIR MOTOR STERILIZATION

1. Wipe down Air Motor with distilled water (not tap water) or isopropyl alcohol and dry thoroughly.
2. Place one shot of autoclaveable spray oil (one second) into air inlet tube.
3. Make sure any disinfectant and/or any cleaners are off the Air Motor before sterilization.
4. Autoclave at 250 degrees F and a maximum temperature of 275 degrees F.
5. Cool to room temperature before running.
6. Give one shot Medi Spray or equivalent autoclaveable spray oils before running, then run to expel excess lubricant. Handpiece is ready for patient treatment.

Endo-Express Air Motor is fully autoclaveable to 135 degrees C/275 degrees F.

TROUBLE SHOOTING

Problem	Cause	Check or Correction
Handpiece stalls	No air into handpiece	Check airline to be sure air is "On". Check position of speed/directional ring that is not in neutral position.
Speed/directional ring Difficult to turn	Improper oil or lack of oil. Moisture in airline.	See lubrication instruction. See installation Instructions.

Warrenty

EDS warranties the air motor against poor manufacturing, poor workmanship and defects in materials. EDS reserves the right to analyze and determine the cause of any problems. Warranty will be voided if the air motor is not used correctly. EDS warranties the air motor for 6-months from the date of purchase. For complete repair, service and return information, including address for returns, visit:

<http://www.edsdental.com/hpservice>

Email questions to: repairs@edsdental.com

For warranty service outside the USA, contact your dental distributor.

All air motors must be processed through the proper autoclave sterilization prior to return. To obtain return authorization please visit the website listed below, complete the online form and attach a copy of your distributor's invoice.

For complete repair, service and return information, including address for returns, visit:

<http://www.edsdental.com/hpservice>

Email questions to: repairs@edsdental.com

All returns should be sent to:
EDS Air Motor Repairs
618 Corporate Way, Unit 1
Valley Cottage, NY 10989

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