

HS4W HIGH SPEED VETERINARY DENTAL UNIT INSTRUCTION MANUAL



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Thank you for choosing the Inovadent $^{^{\text{TM}}}$ High Speed Veterinary Dental Unit. Before using your new dental system, please carefully read the Instruction Manual. The Instruction Manual contains important information including maintenance and operating tips.

Warnings

• This equipment is only to be used by qualified professionals.

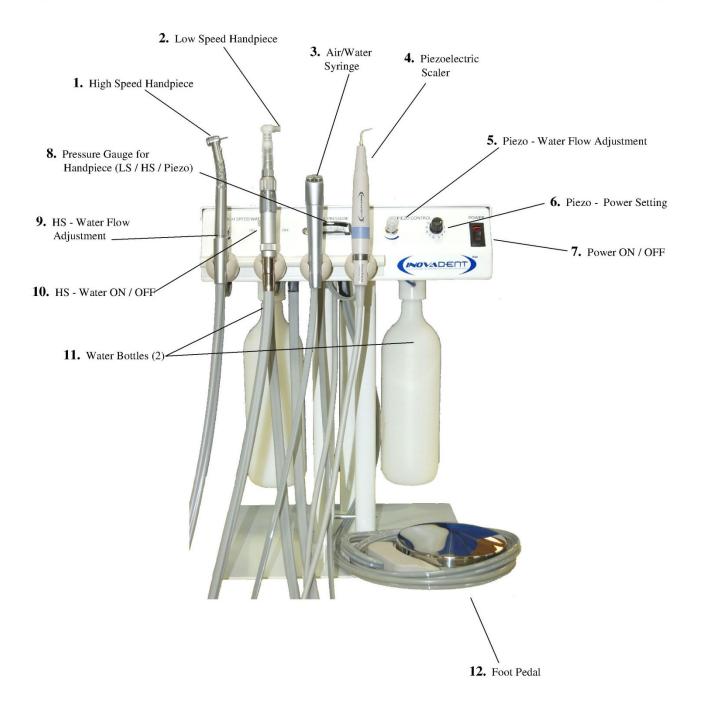


ATTENTION!

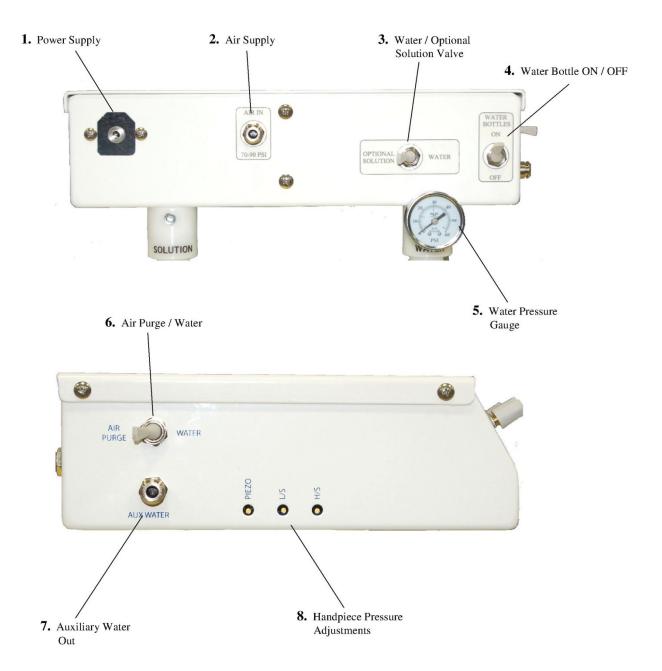
Avoid use of the Piezoelectric Scaler around pacemakers.

- It has been shown that electronic appliances including medical devices may interfere with normal operations of pacemakers. It is suggested that patients or professionals who have pacemakers avoid using a Piezoelectric Scaler.
- The Inovadent[™] High Speed Veterinary Dental Unit should be powered from a separate wall outlet with a grounding point.
- Do not dismantle the machine. Violation of this requirement may cause harm to the user or machine and void the Warranty. Please call InovadentTM at 1-800-523-8185 before removing any protective covers.
- If any abnormal situations are observed while the machine is in use, unplug the machine and call our technical support department at 1-800-523-8185.

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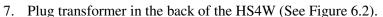


Unpacking & Set-Up

- 1. Unpack carefully from box (retain packaging in the event the entire unit needs to be returned for service).
- 2. Remove Instruction Manual, handpieces, hoses, foot pedal, and water bottles.
- 3. Fill water bottles with distilled water and attach under cabinet.
- 4. Switch the water bottle toggle located on the back of the machine to ON (See Figure 6.1).
- 5. Following manufacturer's instructions, carefully attach handpieces (High/Low).
- 6. Attach a KLAW[™] Tip to the Piezoelectric Scaler Handpiece, tighten with wrench until snug.

Warning: Do not over tighten KLAW™ as it may damage the Piezoelectric Handpiece.

Note: Piezoelectric Scaler instructions are located on Pages 8-10; please see before attempting to operating unit.



- 8. Plug into standard 110V outlet.
- 9. Attach supply air to the unit, for optimum operation the supply air should be set at 75 PSI (See Page 5, Item 2).

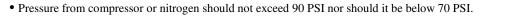




Figure 6.2

WATER

ON

Figure 6.1

- 10. Gauges are visible to monitor pressures. The following pressures provide optimum efficiency and safety of the unit. Simply remove a handpiece and depress foot pedal to verify pressure.
- 11. Operating pressures for each handpiece have been factory set; however, minor adjustments may be required due to shipping, see "Adjustments" below.
- 12. Complete and mail Warranty cards for Inovadent[™] and Jun-Air[®].

Possible Adjustments Required Subsequent To Shipping:

- A. Handpiece operating pressure adjustments are made by turning the three adjustment screws located on the left side of the cabinet (See Figure 6.3). Adjust operating pressures as follows:
 - ➤ High speed operating air pressure is 35 PSI. To verify pressure, remove handpiece, depress foot pedal and observe pressure gauge on front panel above handpiece rack. If adjustment is needed, turn the H/S adjustment screw clockwise to decrease, or counter-clockwise to increase, pressure while depressing the foot pedal. The adjustment knob is very sensitive, so a minor adjustment will cause a significant change.

Figure 6.3

Follow the same procedure as above to adjust the Low Speed Handpiece (the L/S adjustment knob) to 25 PSI, and to adjust the Piezoelectric Handpiece (the far right adjustment knob) to 50 - 60 PSI.

Handpiece Descriptions

Handpieces - General

The handpieces have pre-designated holder positions as follows: Fiber-Optic/High Speed far left, Low Speed second from left, Air/Water second from right and Piezoelectric far right (See Figure 7.1).

Note: Handpiece holder positions have been temporarily labeled. The labels can be removed at any time.



- Individual handpieces are ready for use when selected and lifted from the holder. Handpieces (or the cord), other than the Air/Water Syringe, must be returned to their pre-designated holder positions before picking up another handpiece for use.
- Oil High Speed and Low Speed Handpieces prior to first use, and oil after daily use. Oil is placed into the smaller of the 2 large holes at base of the handpiece (See Figure 7.2). Use of spray cleaner and lubricant such as Bio Lube $^{\text{TM}}$ is recommended. If using simple oil as a lubricant, place four drops into appropriate hole reattach handpiece and flush through with air for 15-20 seconds. Failure to oil before or after each use will void Warranty.



Figure 7.2

Note: Handpieces should be cleaned with Bio LubeTM cleaner weekly.

Always leave a bur or rod insert in the High Speed Handpiece when not in use (Failure to do so voids Warranty). Burs are changed by a push button on the handpiece (See Figures 7.3, 7.4, and 7.5).





Figure 7.3

Figure 7.4

Figure 7.5

- The High Speed Handpiece can be used with or without water. If water is desired, turn the far left toggle switch to ON, see diagram on Page 4 (Item 10). To increase water flow, turn the adjustment knob to the left, or counter-clockwise; to decrease turn to the right, or clockwise. See diagram on Page 4 (Item 9).
- The Low Speed Handpiece is not fitted with a water supply. Depressing the foot pedal activates drive air for the handpiece motor. This handpiece is used for polishing.



Figure 7.6



Note: The Low Speed Handpiece must be aligned as pictured for proper operation (See Figures 7.6 and 7.7).

Air/Water Syringe

• To operate the Air/Water Syringe press the power switch to ON, lift the syringe from the holder and depress the respective button(s) on handpiece to obtain either air or water, or both.

Built-in Piezoelectric Scaler & Handpiece

Piezoelectric Handpiece

- To connect the Piezoelectric Handpiece to the cord, align the three pins and water supply port on the handpiece with the cord. Insert the handpiece into the cord coupler and gently, but firmly, push the handpiece into the cord coupler. *Do not twist, turn or unscrew the handpiece while inserting into or removing from the cord coupler.* This will break the connectors in the handpiece and cannot be repaired which will void the Warranty.
- To operate the Piezoelectric Scaler, press the power switch to ON, see diagram on Page 4 (Item 7). Lift the Piezoelectric Handpiece from the holder, set the power dial and water flow and press on the foot pedal. Water should be adjusted to a fine mist (See Figures 8.1 and 8.2).





Figure 8.1

Figure 8.2

The built-in Piezoelectric scaling system power settings can be used in a range from 1 through 10 (1 being the lowest setting and 10 being the highest). The procedure will determine the tip selected and power level used. Refer to the table located on Page 9, "Power Settings & Use of KLAW™ Tips" for recommended power settings.

Note: If power range exceeds recommended settings below, this may cause tip breakage.

• To disconnect the handpiece from the cord, hold the handpiece in one hand and the cord coupler in the other hand, then pull apart (See Figures 8.3 and 8.4). <u>Do not pull on the cord!</u> Doing so will void Warranty. After disconnecting the handpiece, it is recommended to use the Air/Water Syringe to blow any left over water from the connector (See Figure 8.5). Water or fluid left in the cord coupler may render the unit inoperative for future use.



Figure 8.3 Figure 8.4





Figure 8.5

Care & Maintenance of the Piezoelectric Scaler & Handpiece

- 1. Clean housing and foot pedal cords with a non-chloride disinfectant. Use a solution that does not contain iodine to prevent staining of the unit.
- 2. Disconnect the cord and Piezoelectric Handpiece and clean handpiece with a disinfectant (non-chloride, non-iodine). Do not spray the handpiece with disinfectant while attached to the cord. <u>Do not immerse in any solution, including ultrasonic or cold sterile solutions, as this will damage the handpiece and void Warranty</u>. Dry handpiece with a clean cloth or gauze square. Place handpiece in a sterilization bag or autoclavable box and sterilize for 3 minutes at a maximum of 275° F/135° C. (Ensure KLAW™ Tip has been removed from the handpiece prior to sterilizing. Failure to separate the tip from the handpiece will cause the tip to fuse to the handpiece). Additional handpieces can be purchased to accommodate sterilization turn around time.

Note: The use of a rapid heat sterilizer is not recommended.

KLAWTM Veterinary Ultrasonic Tips

KLAW[™] Tip Installation

Your High Speed Veterinary Dental Unit includes three KLAWTM Tips; KLAWTM 1, KLAWTM 4 and KLAWTM 6. To install a tip on the handpiece, hold the handpiece in one hand, place the KLAWTM Tip on the end of the threaded shaft and then rotate the tip to the right until it is finger tight. The tip wrench must be used to tighten the KLAWTM until snug to assure proper operation of the scaler (See Figure 9.1).





Figure 9.1

KLAW[™] Tip Technique

• It is very important to use a feather light touch with the tips. Too much pressure can cause damage to the KLAW[™] as well as the patient's teeth. The KLAW[™] Tip and the Piezoelectric Scaler will do the work. It is not necessary to apply pressure or push down. Use a light paint brush stroke with the side of the tip, gently guiding the handpiece and tip, using the same pressure as if writing with a pencil or similar to periodontal probing.

Power Settings & Use of KLAW[™] Tips:

Tip#	Power Setting	Use Use
1	4-6	Universal small scaler designed for root surfaces and sub-gingival curettage. Note: If used on cats or small dogs start with power setting of 2 and adjust as needed.
2	2-3	Delicate finishing tip excellent for cats and small dogs. Left 30° angle for difficult to reach surfaces. Recommended for R mandibular buccal surfaces, L mandibular lingual surfaces, L maxillary buccal surfaces and R maxillary lingual surfaces. Not for heavy calculus. Use a very light touch. Note: If used on cats or small dogs start with power setting of 2 and adjust as needed.
3	2-3	Delicate finishing tip excellent for cats and small dogs. Version of KLAW [™] 2. Right 30° angle tip for difficult to reach surfaces. Recommended for L mandibular buccal surfaces, L maxillary lingual surfaces, R mandibular lingual surfaces and R maxillary buccal surfaces. Use a very light touch. *Note: If used on cats or small dogs start with power setting of 2 and adjust as needed.*
4	4-6	Universal tapered tip, with a 110° angle. Ideal for all surfaces, especially inter-dental spaces and root scaling. The KLAW [™] 4 tip can also be used for flushing pockets. Note: If used on cats or small dogs start with power setting of 2 and adjust as needed.
6	6-8	Longer shaft version of KLAW TM 4, with a wider diameter and knurled tip for more aggressive removal of heavy calculus. Note: If used on cats or small dogs start with power setting of 2 and adjust as needed.

- KLAW[™] 1, KLAW[™] 4 and KLAW[™] 6 are the most commonly used.
- KLAW[™] Tips will need to be replaced, on average, every 3 4 months, based on appropriate use and 8 10 dental procedures per week.

Warning: Turn power to Piezoelectric Scaler OFF when changing KLAW $^{\text{\tiny{IM}}}$. If the foot pedal is accidentally depressed while the power is on and attaching a tip, the tip could break.

KLAWTM Tip Care & Maintenance

KLAW[™] Tips should be cleaned after each use. If placed in an ultrasonic or cold sterilization solution, tips should be rinsed and dried prior to sterilization. *Care should be taken to prevent the tips from touching one another while autoclaved.* Heat from the autoclave cycle can deform or break tips if they touch one another. Autoclave the tips at a maximum of 275° F / 135° C for 20 minutes in a protective package or 3 minutes without packaging.

KLAW[™] Tip Angles

Tips should lay flat to the tooth when cleaning (See Figure 10.1). The points should not be used to scale teeth (See Figure 10.2).





Figure 10.1

Incorrect Angle



Figure 10.2

Note: Do not use KLAW™ Tips as picks. This may cause breakage and void Warranty.

End of Day Procedure

The following list of steps will guide you through proper shut down and ensure optimum performance of your dental unit.

- 1. Remove High and Low Speed Handpieces.
- 2. Place four drops of oil into the drive airline (See Figure 11.1). Reattach, then depress the foot pedal blowing air through the handpiece for 15 to 20 seconds. Holding handpiece in a paper towel flush airline and exhaust line with Bio Lube [™] cleaner (only needed weekly).

Note: High and Low Speed Handpieces should be cleaned weekly.



a. Inovadent[™] recommends using Bio Lube[™] for the cleaning and lubricating process (See Figure 11.2). *Item # 54880*

Average Control of the Control of th

Figure 11.1

Figure 11.2

- 3. Purge all water from handpiece cords. Water must be purged from the High Speed Handpiece, the Air/Water Syringe and the Piezoelectric Handpiece daily. Switch the WATER ON to AIR PURGE (See Figure 11.3).
 - -Remove the High Speed Handpiece from the holder. Hold the handpiece over a sink or a bucket and depress the foot pedal until water no longer sprays from the handpiece.
 - -Remove Air/Water Syringe from the holder. Hold the syringe over a sink or a bucket and depress the water button until water no longer sprays from the tip.
 - -Remove Piezoelectric Scaler from the holder. Depress foot pedal until water no longer sprays from the $KLAW^{TM}$ Tip.



Figure 11.3



Figure 11.4

- 4. Switch the water bottles switch to the OFF position (See Figure 11.4).
- 5. If chlorhexidine was used in one bottle, remove that water bottle, rinse and allow to dry.

Note: If using a chlorhexidine solution, the solution must be purged from the system using water.

- 6. Remove KLAW[™] Tip from Piezoelectric Handpiece, carefully clean and place in storage box.
- 7. Remove bur from High Speed Handpiece and replace with blank bur.
- 8. Store handpieces in original storage containers (High, Low, and Piezoelectric).
- 9. Unplug unit from wall outlet.
- 10. Wipe down unit, cords and handpieces with water and non-chloride non-iodine disinfectant.

Technical Support

Please contact Inovadent $^{\text{\tiny TM}}$ with any questions or concerns. Many technical support issues can be easily handled via the telephone.

INOVADENT[™]
200 Main Street
Elmwood, WI 54740
Toll Free: (800) 523-8185
Phone: (715) 639-2081
Fax: (715) 639-9205

E-mail: inovadent@veterinarydentalproducts.com

PREPARATIONS FOR SHIPPING:

- 1. Ensure the "End of Day Procedure" (located on Pages 11-12) has been completed.
- 2. Remove water bottles, drain and dry. Once dry, wrap in bubble wrap and place inside cabinet.
- 3. Coil all handpiece cords, foot pedal cord and electrical power cable; tie together with a suitable "wire tie" and store under the cart on top of the air storage tank.
- 4. Lower the cabinet to the lowest position and tighten the hand screw knob.
- 5. Open the air tank drain valve and drain air out of tank.
- 6. Ensure all accessories stored in the cabinet are packaged to prevent damage in shipping. Bubble wrap works well inside cabinet.

Warranty

Inovadent[™] warranties pneumatic components against defects in materials for a period of 3 years unless specified differently. Electronic components are subject to a 1 year warranty. Labor is not covered under warranty.

- High Speed Handpiece is covered by a 1 year warranty.
- High Speed turbine is covered by a 6 month warranty.
- Low Speed Handpiece is covered by a 1 year warranty.
- Piezoelectric Handpiece is covered by a 2 year warranty.
- Warranty does not cover any product that has been subject to improper use, neglect, accident or use that is in violation of the instructions described in the instruction manual. Merchandise returned as defective will not be replaced until it has been determined to be defective by Inovadent[™]. Please allow up to 3 4 weeks for this process. Products that have been repaired by someone other than an Inovadent technician or products that have been taken apart by the customer are no longer covered under this warranty unless so instructed by an Inovadent technician.
- The customer is responsible for shipping warranty items back to Inovadent[™] for evaluation. Any items found to be faulty will be replaced by Inovadent including shipping back to the customer.
- Warranty is conditional on proper use and maintenance of the unit.
- Warranty is limited to repair or replacement at manufacturer's discretion.
- Under no circumstances will the manufacturer be held responsible for incremental or consequential damages.
- Please contact point of purchase authorized distributor for warranty repair.

APPENDIX

Fiber-Optic Bulb Installation & Removal

1. **CAUTION:** The bulb is a halogen-type bulb and is susceptible to reduced lifespan from oil (even from your hands). Use gloves if possible to avoid touching the bulb glass.

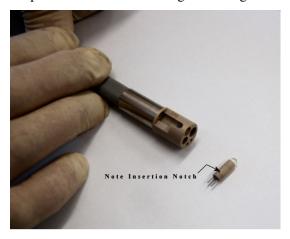


Figure 14.1

2. Grasp H/S Fiber-Optic Cable and slide down the outer collar to expose the adapter. Take the bulb, noting the position of a small insertion notch. This notch must be positioned facing up so you can use a pointed tool to complete the installation.

Note: This cannot be performed with a handpiece installed.

3. Insert the bulb into the adapter body as shown. MAKE SURE TO ALIGN THE BULB PINS WITH THE HOLES IN THE ADAPTER.



FIGURE 14.2

4. Using a pointed tool, seat the bulb into the adapter (See Figure 14.3). This may take some force to start the pins into to body of the adapter. FAILURE TO ALIGN THE PINS TO THE HOLES WILL RESULT IN DAMAGE OF THE BULB PINS



Figure 14.3

5. A properly seated bulb is pictured in Figure 14.4.



Figure 14.4

Removal

Using a pointed tool, place the tip of the tool into the insertion notch of the bulb and push the bulb out.

Checking & Changing Fuses

1. Turn Power off for the entire unit by unplugging the dental unit from the wall outlet. Ensure all power has been disconnected. Remove the lid by removing the four screws.

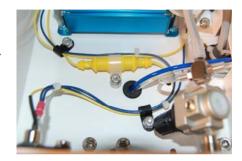


Figure 15.1

2. Locate the yellow fuse holder. Separate the fuse holder. (See Figure 15.2). *Note: Do not pull on the wires, it may damage the connection.*

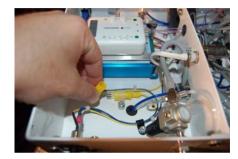


Figure 15.2

3. Check the fuse for continuity. If the fuse needs to be changed, remove the spare fuse from its holder. Fuses can be purchased from your Inovadent distributor or local electronics store (See Figure 15.3).



Figure 15.3

4. Once the fuse has been replaced, reconnect the fuse receptacle. Then plug the power cord into the dental cart and into the wall outlet before testing (See Figure 15.4).

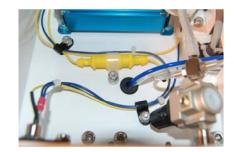


Figure 15.4



"AUTOCLAVABLE" HIGH SPEED HANDPIECE 400,000 RPM WITH AUTO-CHUCK (PUSH BUTTON) SYSTEM

In order to always provide the handpiece with clean air, water accumulated in the compressor must be drained out **ONCE A DAY. DAILY LUBRICATION IS ABSOLUTELY ESSENTIAL.**

OPERATION AND MAINTENANCE: Operate the handpiece at a pressure of 35 PSI. The handpiece is engineered to attain speeds of 400,000 RPM at 35 PSI. Use the brush to remove foreign particles. Particles can be dislodged by blowing air backward from the contra-angle head. **NOTE:** DO NOT attempt to blow particles from the back end of the handpiece, as larger particles will be blocked in the water tube.

AUTO-CHUCK (PUSH BUTTON) SYSTEM - INSTALLING AND REMOVING ROTARY CUTTING

INSTRUMENT: Grasp handpiece firmly so that your thumb can touch the cap, then push on center of cap. Insert cutting instrument into chuck until it stops, then release thumb. **NOTE:** After installation, it is recommended as a safety measure to push button again one time (holding bur) and release. This will effect proper alignment of the jaws. For removing, grasp handpiece firmly so that your thumb can touch the cap, and push on center of cap. Then, pull bur straight out.

OBSERVE THE FOLLOWING SAFETY RULES: Do not attempt to extend burs from the chuck. Always tug on the cutting instrument after chuck is loaded to confirm the cutting instrument is held securely. Before use, verify rotating concentricity by operating the handpiece outside the mouth in a safe place. Do not use instruments which do not run concentric or produce excessive noise.

CAUTION: Never depress the auto-chuck end cap button or rest the end cap against any part of the oral anatomy during the handpiece operation. Depressing the end cap while bur is rotating can activate the chuck opening spring mechanism and result in end cap heat-up and/or loss of bur retention.

REPLACEMENT OF CARTRIDGE:

- 1. Place bur in cartridge.
- 2. Unscrew head cap with head button wrench, turning counter-clockwise.
- 3. Push bur on flat surface until cartridge is removed.
- 4. Clean inside of handpiece head to remove moisture and foreign particles.
- 5. Insert new cartridge into handpiece head. When replacing with canister style cartridge, the guide projection on the canister must be lined up with concave groove inside handpiece head to insure proper fit.
- 6. Replace head cap into handpiece by screwing clockwise with cap wrench.

NOTE: WHEN REPLACING HEAD CAP, BE CAREFUL TO ALIGN THREADS CORRECTLY. THESE THREADS ARE VERY FINE AND CAN BE EASILY STRIPPED.

AUTOCLAVE PROCEDURE FOR HIGH SPEED HANDPIECE: Remove bur from handpiece and clean handpiece with soap and water by scrubbing with a toothbrush or a 2" x 2" piece of gauze, then towel dry the handpiece. Lubricate the handpiece. Insert bur back into the handpiece and connect to unit. Run the handpiece for approximately 15 - 20 seconds or until lubricant is out of handpiece. Remove bur from handpiece and disconnect handpiece from unit. The handpiece is now ready for sterilization. Follow manufacturer's instructions for the autoclave unit being used. After autoclaving is complete, allow handpiece to return to room temperature, then lubricate handpiece again prior to use.

IMPORTANT: LUBRICATE BY PLACING A DROP OF OIL INTO BUR HOLE TO MAINTAIN AUTO-CHUCK BEST RETENTION. NEVER ALLOW OIL TO DRY OUT IN CHUCK SPRING OR AUTO-CHUCK SPRING. THIS CAN CAUSE MALFUNCTION.

- * Never autoclave handpiece with bur in place.
- * Never operate handpiece without bur inserted.



Low Speed Handpiece

This product is designed for veterinary dental use. Operation and maintenance should be performed under the supervision of a veterinary dental professional.

- 1. **Bur Change:** The bur-locking position occurs when the black dot on the locking ring is adjusted to a position in which it is located directly above the black dot on the position ring. To open the chuck for a bur change, twist the chuck until the black dot is located above the red dot.
- 2. Operation: Recommended operating pressure: 25 PSI (Maximum air pressure: 50 PSI)

MAINTENANCE: To keep the Low Speed Handpiece in good condition, only use dental handpiece oil. InovadentTM recommends using Bio LubeTM. Lubrication should be performed daily after cleaning the unit.

1. Lubrication

Be sure to lubricate after autoclaving or in the event that water and/or dust gets inside. Place 4 drops of lubricant oil in the drive-air at the back of Low Speed Handpiece. Reattach the handpiece to the unit and run the handpiece for 8 to 10 seconds.

* Hold handpiece firmly. Dropping the handpiece may cause damage.

2. Surface Cleaning

Clean with brush and wipe off by cloth. Lubricate after surface cleaning. Do not submerge the handpiece in water to clean as this will cause damage.

3. Inside Cleaning

Spray Bio LubeTM cleaner into the drive-air hole. Reattach the handpiece to the unit. While holding the handpiece in a paper towel run handpiece for 2 - 3 seconds to expel built up debris from handpiece. After handpiece has been cleaned make sure handpiece is also lubricated by following the lubrication procedure.

STERILIZATION: Do not put handpiece through ultrasonic disinfection solution cleaning procedure. Do not use cold sterilization or dry heat.

- 1. Clean with brush and wipe off with cloth.
- 2. Lubricate.
- 3. Autoclave at 130 135°C (2Mpa) for 20 minutes.
- 4. Take the Low Speed Handpiece out of the autoclave and dry at room temperature. Do not operate autoclave dry cycle at a temperature higher than 135 °C.
- 5. After the Low Speed Handpiece is completely dried, lubricate it twice.
- 6. Open and close chuck. Repeat twice.

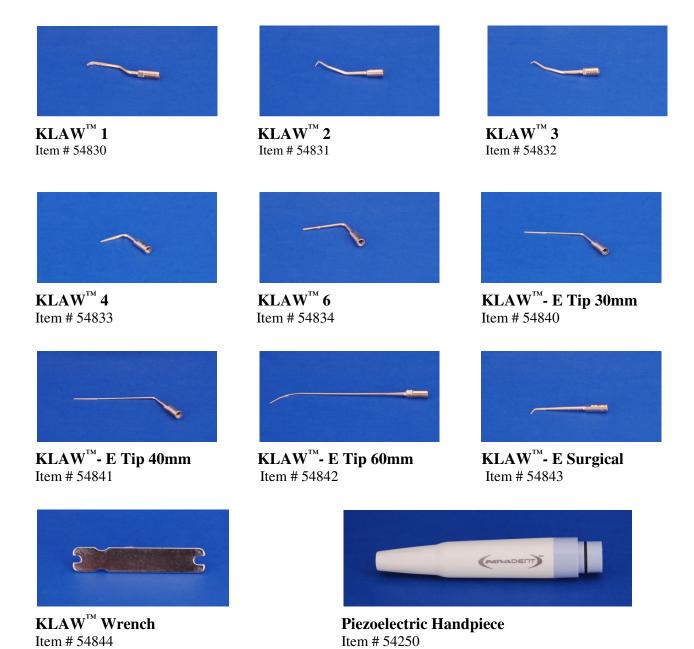
WARNING:

- 1. Do not drop Low Speed Handpiece or apply excessive force or impact on to the connected bur. This will void the Warranty. (Prevent the bur on Low Speed Handpiece from touching other handpieces during the autoclave process).
- 2. When water gets inside the handpiece, lubricate three times.
- 3. Do not run handpiece without locking the bur.
- 4. Do not run handpiece with chuck opened.
- 5. For safety, mount test the bur (the standard accessory) on the Low Speed Handpiece, when it is not in use.
- 6. In using the bur with its working diameter more than 5 mm, gradually increase the speed in order to assure positive retention.

** In high speed use, the bur with large operating diameter could disconnect and cause serious damage to the patient or user.

WARRANTY: Low Speed Handpiece is covered by a 1 year Warranty.

Piezoelectric Parts



Handpiece Parts



High Speed Handpiece with Fiber-Optics Item # 54900



High Speed Handpiece Non Fiber-Optic Item # 54901



Fiber-Optic Light Bulb Item # 54905



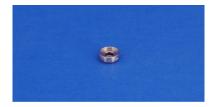
4-Hole Gasket Item # 54911



5-Hole Gasket Item # 54910



High Speed Turbine Item # 54903



End Cap for H/S Handpiece Item # 54907



Prophy Angle Item # 54825





Prophy Paste, Fine GritItem # 54828 Qty 25



Low Speed Handpiece Item # 54902

Burs



#2 Round Bur Item # 54821 Standard Length

Item # 54822 Surgical Length



#699 Carbide Bur Item # 54810 Standard Length



#701 Carbide Bur Item # 54802 Standard Length



#701L Carbide Bur Item # 54803 Standard Length

Item # 54805 Surgical Length



#700 Carbide Bur Item # 54811 Standard Length



#330 Pear Shaped Bur Item # 54820 Standard Length



#702L Carbide Bur Item # 54812 Surgical Length

Replacement Parts



Water Bottle Gasket Item # 54912



Regulator Filter Item #54918



Micro-mist Separator Filter Item # 54916



JUN AIR Compressor Oil Item # 54884



Water Bottle, 1 Liter Item # 54925



Ultra Scale Item # 54270