

DELMARVA 2000™

Motor Pack

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DELMARVA 2000, Ltd.
21 SHAY LANE - MILTON, DE 19968

MOTOR PACK
WARRANTY

DELMARVA 2000, Ltd. (hereinafter referred to as **DELMARVA**), subject to the terms/conditions herein below expressly set forth in Paragraphs (1) through (4), **HEREBY WARRANTS** that it will repair any part of the enclosed **DELMARVA MOTOR PACK** which proves defective by reason of improper workmanship and/or material for a period of **SIX YEARS** from the date of **ORIGINAL** purchase without charge for parts or labor.

(1) **SIX YEAR** parts and labor coverage on the entire unit excluding the following components:

a. Micro Motor Hand Piece coverage, excluding dropping or excessive oil or water damage, one (1) year. Use of plastic prophy angle will void warranty.

b. Foot switch is covered for two (2) years' parts and labor.

c. Prophy Angle, and Contra Angle are not covered under Delmarva Warranty. Contact individual manufacture or distributor for warranty details.

(2) **ORIGINAL PURCHASER:** This warranty is limited to the original purchaser of the unit. The warranty card must be postmarked and returned to Delmarva within 30 days to validate warranty.

(3) **UNAUTHORIZED REPAIR, ABUSE, ETC.:** The unit must not have been previously altered, repaired or serviced by anyone other than a service facility authorized by **DELMARVA**. To render such service, the serial number on the unit must not have been altered or removed. The unit must not have been subject to accident, misuse, abuse or perated contrary to the operating instructions. **Micro Motor Handpiece assembly** not warranted if subjected to abuse from excessive pulling/stretching, debris and/or chemical accumulations from water supplies. **Foot switch** is not warranted by failure due to operation or storage in a wet environment.

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, NO OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY TO THIS UNIT. UNDER NO CIRCUMSTANCES SHALL DELMARVA BE LIABLE FOR CONSEQUENTIAL DAMAGES SUSTAINED IN CONNECTION WITH THE SAID UNIT, AND DELMARVA NEITHER ASSUMES NOR AUTHORIZES ANY REPRESENTATIVE OR OTHER PERSON TO ASSUME FOR IT ANY OBLIGATION FOR LIABILITY OTHER THAN SUCH IS EXPRESSLY SET FORTH HEREIN.

Shipping Policy

Warranty Work – To render the services provided hereunder, the unit must be shipped in either its original package or a similar package affording equal degree of protection. It is the customer's responsibility to ship equipment in need of repair to Delmarva. It is also the customer's responsibility to **return** loaner equipment to Delmarva, when repairs are completed. Shipping charges to return repaired equipment will be applied to the final bill.

UPS Ground Service is used for all shipping. Requests for special shipping will be paid for by customer.

Non-Warranty Work - It is the customer's responsibility to ship equipment in need of repair to Delmarva, in the same manor as above. It is also the customer's responsibility to **return** rental equipment to Delmarva, when repairs are completed. Shipping charges to return repaired equipment will be applied to the final bill.

INQUIRIES ♦ SERVICE ♦ TECHNICAL ASSISTANCE

PLEASE CALL:

(302) 645-2226/voice

(302) 645-0954/fax

DELMARVA 2000 MOTOR PACK

OPERATING INSTRUCTIONS

The DELMARVA Veterinary 2000 Motor Pack is a precision instrument designed to give years of service. The following instructions will help you maintain the unit at its best performance.

Avoid placing the unit on or near a source of heat.

When in use, the console should have a nominal amount of air circulating around it.

Handle with care when moving from one place to another.

ELECTRICAL REQUIREMENTS

A grounded wall receptacle is required which supplies 120 volts @ 20A 50/60 hertz A.C.. If you use a grounded plug adapter (converting 3 prongs to 2 prongs) make sure that the ground wire is firmly attached to the faceplate holding screw. Have an electrician check the circuit if there are any questions concerning the safety of the hookup.

The Motor Pack is comprised of 3 components: the Console, the Foot Peddle, and the Micro-Motor Handpiece. The installation procedure is relatively simple.

Remove the equipment from the shipping carton. We suggest you save the carton and the special packing, should it become necessary to return the unit.

After you have removed the components, place the power switch in the "off" position, and install the Micro-Motor Handpiece. The connector for the Micro-Motor has several prongs and a groove that are lined up and pressed together. The connection is completed by tightening the lock nut to secure the plug in place.

Plug the power cord into a wall receptacle, but leave the switch in the off position. Slip the Snap-On Propy Angle onto the steel connector of the Motor Handpiece. This is easily done by aligning the slot on the Propy Angle with the pin on the connector and applying pressure to sleeve together. Applying straight pressure is all that is needed, do not twist while connecting.

Attach the Snap-On Polishing Cup to the Propy Angle head cap. Switch on the power (toggle down) and the indicator lamp comes on. Rotate the speed control knob to the left until it stops. Now depress the foot peddle, and become familiar with the way the Micro-Motor Handpiece operates. Slowly rotate the variable speed control from the left stop to the extreme right stop. This provides a smooth progression of speeds from a low of approximately 1000 RPM to a high approaching 8,000 RPM. Not only does the unit furnish a wide range of speeds, but it delivers a high degree of torque throughout the speed range.

Note. The actual speed and power the Motor Pack Handpiece produces will vary with the type of attachment. For example: the Propy Angle is geared to provide low RPM (1000 to 8,000), while a Contra Angle will provide speeds from a low of 4,000 to a high of approximately 20,000 RPM.

The Micro-Motor Handpiece requires no scheduled maintenance; however, the following suggestions should help to provide optimum performance for a long time:

- Prevent fluids (cleaning solutions, lubricants etc.) from gaining access to the motor within the handpiece casing.
- Keep oils and other lubricants away from the coupling; otherwise slippage will occur and the angle will not perform well.

The handpiece does not require lubricating. Placing oil into the handpiece will cause severe damage to the motor.

The handpiece is not to be autoclaved.

And of course, dropping the Micro-Motor assembly should be avoided.

PROPHY ANGLE

The most often heard complaint, concerns the condition of the Propy Angle. Because the angle operates in such a critical environment (water, saliva and polishing paste) it wears out rapidly. However, you can extend the life of the unit by taking it apart, and cleaning the gears with a small brush. A lubricant (DE-11) should be applied to the gears before the angle is reassembled. Remove the Propy Angle from the Micro-Motor handpiece prior to cleaning. Note. The Delmarva Cleaner/Lubricant (DE-11) is recommended for use with the Propy Angles.

Motor Pack

Troubleshooting

Delmarva 2000, Ltd.

21 Shay Lane

Milton, DE 19968

302-645-2226

302-645-0954/fax

info@delmarva2000.com

Troubleshooting/Service

Polisher

⇒ **NEVER** DROP

⇒ **NEVER** LUBRICATE or get any fluids in or on the handle

⇒ **DO NOT USE** plastic prophy angles

⇒ Intermittent power trouble
Check or replace angle

Ship all equipment to:

Delmarva 2000, Ltd.

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It is recommended you talk to a technician. Sending equipment for repairs can be costly and time consuming. Call 1st and make sure you need service. The most common problems are with maintenance.

In the event of a repair:

It is the customers responsibility to:

- Ship the unit in need of repair
- Return ship the rented/loaned equipment

For your convenience, we offer UPS return service. The charges will be applied to your bill.

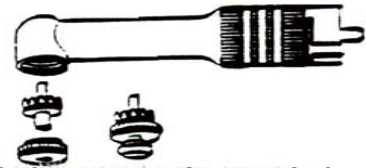
FOR MAXIMUM PERFORMANCE
PERIODIC REPLACEMENT OF
THE PROPHY ANGLE
AND CONTRA ANGLE
ARE NECESSARY.
REPLACEMENT SCHEDULE
WILL VARY WITH USAGE.

*Autoclavable
Prophy Angles*

Screw Type 75-20 Snap on 75-22

LUBRICATION:

1. Remove cup or brush.
2. Thoroughly clean the outside of angle with disinfectant moistened 2x2 gauze.
3. Unscrew the knurled head cap by turning clockwise and remove the cap and screw stem holders. The snap-on style angles have a single unit cap, ball, and gear assembly.
4. Lubricate all gears with handpiece lubricant and reassemble, making sure that the knurled cap is tightened firmly counterclockwise.
5. Rotate the shaft several times to circulate the oil and to make certain that the gears have intermeshed properly.
6. Wipe off any excess oil expelled.
7. Sterilize by autoclaving before putting back into service.
8. Delmarva Cleaner/Lubricant (DE-11 is recommended for cleaning the prophy angle.



AUTOCLAVING PROCEDURE:

1. Thoroughly clean the outside of the angle with a disinfectant moistened 2x2 gauze sponge.
2. Autoclave angle per manufacturer's instructions. (Maximum temperature for autoclaving is 250-270 degrees F. 15-27 psi for 20 minutes.)

WARNING:

1. The prophy angle must be lubricated before every autoclaving procedure.
2. Damage due to lack of lubrication is mis-use and is not covered by the warranty.
3. Maximum autoclave temperature 270 degrees F. Do

NOTICE:

Prophy Angles must be cared for per manufactures instructions after each days use. Failure to so will jam gears and ruin prophy angle, voiding the warranty!

TFI 3 & 10 (Scaler Inserts), as well as, prophy angles must be replaced periodically for top efficiency.

Replacemnt time will very with usage.