

### Replacement of Handpiece Pads:

When installing or replacing the Handpiece Pad Holder be sure that the Adjustment Sleeve is tight. The plunger shaft should extend at least 1/16" beyond the adjustment sleeve when the Plunger Shaft is in its uppermost (withdrawn) position.

The rubber holder has a screw and locking nut for attaching it to the plunger shaft. Screw the Pad Holder into the plunger shaft and tighten the lock nut with a 3/8" wrench. Replacement pads can be held in the holder with double faced pressure sensitive tape.

### Replacement of Motor Brushes:

Be sure to unplug motor before replacing motor brushes. The motor brushes should be replaced when they have worn down to 1/4". To remove the brushes, unscrew the brush caps on either side of motor. Be sure to replace both motor brushes even if one of them seems less worn than the other.

### Replacement of Shafts and Sheaths:

Shafts and sheaths will last the longest when they are used as straight as possible and when the shaft is cleaned and lubricated regularly. There is no way to avoid ultimate wear. A Massager may require several replacement shafts and sheaths during its lifetime. Always keep a spare shaft on hand.

### Two Year Warranty

Your Foredom Massager is guaranteed to be free of defects in materials and workmanship for two years after purchase. Damage caused in transit or by accident, misuse, or ordinary wear is not covered by this warranty. All warranty claims and repairs must be shipped to the factory for handling.

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www.foredom.com

### Recommended Spare Parts:

Neoprene Flexible Outer Sheath (S-77N)  
Flexible Inner Shaft (S-93)  
Replacement Pad (HP10254)  
Pair Motor Brushes (MP319P)  
Foredom Flexible Shaft Grease (MS10006)

### Repair Service

Other service or repairs should be done by a competent repair person or you can return your Foredom equipment to the factory. If you wish, send your Massager directly to the factory marked "Attention: Repair Department". Include a brief note describing the problem.

### Register Your Power Tool

Please take the time to complete the Warranty Registration Form for your new flexible shaft massager on our website: [www.foredom.com](http://www.foredom.com). If you prefer, you can register your unit over the phone by calling Foredom Customer Service: 203-792-8622, Monday – Friday, 8am to 4:30pm ET. We will keep your information and serial number on file.

### For More Information

For more information on Foredom machines, handpieces or accessories, contact your local dealer. When no local dealer is available you can also visit our website at [www.foredom.com](http://www.foredom.com) for Foredom replacement parts. Other contact information:

**Email:**  
[customerservice@blackstoneind.com](mailto:customerservice@blackstoneind.com)

**The Foredom Electric Company**  
16 Stony Hill Road, Bethel, CT 06801

**Phone: 203-792-8622**

# FOREDOM® Set-up, Assembly and Maintenance Manual *Massager*

## Models:

500  
500L  
500-2  
500L-2



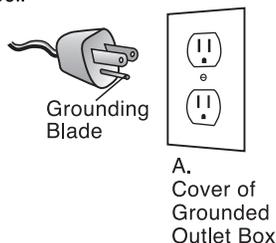
**IMPORTANT!**  
**Read Manual before operating this tool.**

## Set Up

Check the voltage of your power before plugging in the motor. It should match the voltage shown on the motor nameplate. Models 500 and 500L are for use on 115 Volt AC power. Models 500-2 and 500L-2 are for use on 230 Volt AC power.

**Note:** The Massager Handpiece comes attached to the motor. If you need to remove the handpiece (when cleaning, for example), loosen the set screw and just pull away from the shaft and sheath with a strong motion. To reattach, push the handpiece onto the shaft tip and sheath fitting while motor is running slowly. Be sure that the catch ball in the end of the handpiece toward the sheath goes into the groove in the sheath tip so that the handpiece will be held securely onto the sheath.

- **Use proper grounding procedures.** This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved 3-conductor cord and a 3-prong grounding type plug to fit the proper grounding receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal. If your unit is for use on less than 150 volts, it has a plug that looks like sketch A below. An adapter (sketches B and C) can be used for connecting plugs as shown in sketch A to 2-prong receptacles. The green colored rigid ear, lug, etc., extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box.
- Some jurisdictions, including Canada, prohibit the use of 3 to 2 prong adapters. Where prohibited, they should not be used.** Use only 3-wire extension cords that have 3-prong grounding type plugs and 3-pole type plugs and 3-pole receptacles that accept the tool's plug. Always disconnect the power cord before servicing the tool.



## Operation

For the best performance, safety, and maximum life, please follow these general suggestions:

1. Try to avoid using the Massager with sharp bends or loops in the flexible shaft. This will reduce wear of the flexible shaft and the sheath lining.
2. Never deliberately stall the motor or slow it down near the stalling point by bearing down too hard on the handpiece.
3. The Massager comes with a dial control built into the base. Strokes can be varied from 0 to 4,400 per minute with the turn of the dial.

## Maintenance and Assembly

These simple maintenance procedures should be done by the user:

1. Cleaning and lubrication of flexible shaft and handpiece.
2. Replacement of motor brushes.
3. Replacement of worn shafts and sheaths.
4. Replacement of handpiece pads.

Keep the Massager as free of dust and dirt as possible. Never allow oil or grease to accumulate on exposed surfaces as this tends to collect dirt.

Models 500-2 and 500L-2 are equipped with power plugs suitable for use in the country for which they are intended.

### Replace a worn cord immediately.

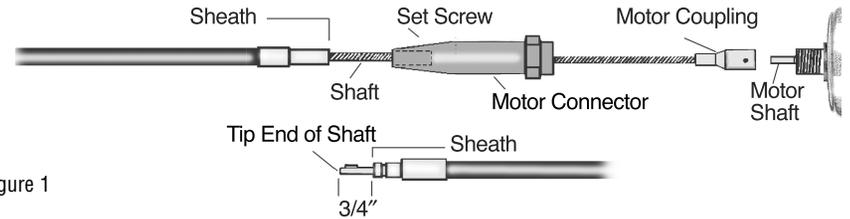
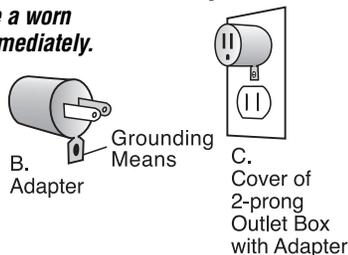


Figure 1

## Lubrication

The motor has permanently lubricated bearings and does not require lubrication.

The flexible shaft should be cleaned and lubricated once every 100 hours of use. Expose the shaft by removing the handpiece and then the sheath by loosening the set screw in the motor connector (see Figure 1) and sliding it off the shaft. Apply a light film of Foredom flexible shaft grease (MS10006) along the entire length of the shaft after wiping off the old grease with a piece of cloth. Replace the sheath by sliding it over the shaft and tightening the set screw. Be sure to follow the Adjustment Instructions below.

## Shaft Replacement

1. Remove the motor connector. Left hand thread, turn right. (See Figure 1)
2. Loosen the set screw on the old flexible shaft motor coupling and slide the shaft coupling off the motor shaft. (See Figure 1.) Tighten the set screw of the new shaft onto the flat on the motor shaft.
3. Put the motor connector back on the motor by sliding it up the flexible shaft and tightening. Grease shaft as described above.
4. Now slide the sheath over the flexible shaft with the plain sheath fitting (not the grooved fitting) going toward the motor and into the motor connection.

## Adjustment of Shaft and Sheath

Before attaching handpiece, shaft and sheath adjustment must be carefully checked. Place the entire unit on a flat surface with shaft and sheath extended straight. Adjust the exposed tip of the flexible shaft so that it extends 3/4" beyond the sheath, as shown above. This is done by moving the sheath in or out of the

motor connector. When the correct adjustment is made, tighten the screw in the motor connector. The handpiece can now be reattached as described in the **Note:** under "Set Up".

## H.60 Massager Handpiece Maintenance

The handpiece should be cleaned and lubricated once every 100 hours of use. Remove the Front Plate to expose the eccentric cam and plunger shaft. Flush out the old grease with a solvent and regrease with a teaspoonful of Foredom grease, being sure that all the moving parts are thoroughly lubricated. After regreasing, run the handpiece slowly for a few minutes to fully distribute grease. The Adjustment Sleeve retains a grease seal and should be tightened to prevent leakage of grease.

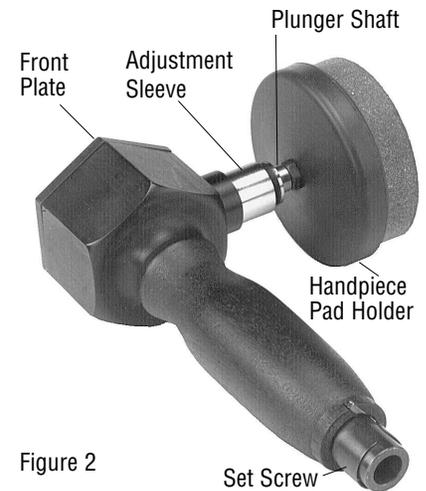


Figure 2