

# IMPORTANT INSTRUCTIONS

## For ForeDom® Handpieces H.18, H.18D, and H.18SJ

**Before attaching this Handpiece please read these instructions.**

- Keep a 2.35mm (3/32") shank in the handpiece at all times, during operation and storage.
- For easier bur removal, push bur in slightly to release collet taper before pulling bur out.
- Never depress collet release lever while flexible shaft is rotating. The release lever is not intended for use as a brake.

**For More Information** on ForeDom machines, handpieces, or accessories, contact your local dealer. When no local dealer is available, write:  
**The ForeDom Electric Company**  
 16 Stony Hill Road, Bethel, CT 06801, call (203) 792-8622, visit our website at: www.foreDom.com or email: customerservice@blackstoneind.com

**Always wear proper eye protection while using this handpiece.**

**Never use a damaged, bent, vibrating, or out of balance accessory.**

Form 1252 n 7/10

Printed in U.S.A.

### Maintenance and Lubrication

Handpieces H.18 and H.18SJ never need lubrication. Putting oil or grease into the front or back of these handpieces will damage their pre-lubricated ball bearings.

**Flex Shafts:** Cleaning and lubrication should be performed every 50 hours of use: First be sure to unplug your power tool. Remove handpiece and then loosen set screw in motor connector (see previous page) and remove sheath. The exposed shaft should be wiped clean with a cloth and solvent. Apply a **light film** of ForeDom grease (part no. MS10006) to entire length of inner shaft. Reconnect shaft and sheath, following adjustment procedure on previous page and run motor for ten minutes before reconnecting handpiece. Turn off motor, wipe off excess grease from tip of drive shaft and reconnect to handpiece.

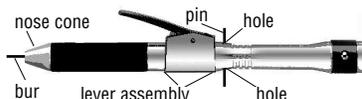
**Collet Replacement Instructions for H.18, H.18D and H.18SJ Handpieces**  
 Keep a 3/32" shank bur with same size or smaller head in the handpiece.

#### 1. Disassembly of Nose Cone:

Tools required: smooth grip pliers and 1/2" open end wrench.

- Grasp housing with smooth grip pliers or firmly grip handpiece at base of lever assembly.
- Place 1/2" wrench over flats on nose cone and unthread.

**2. Disassembly of Nosepiece and Collet**  
 Tools required: pin (3/32" or 2.3mm diameter) and 1/4" open end wrench.



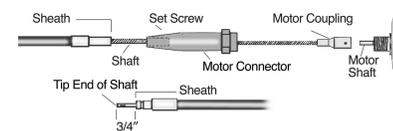
- Lock spindle by inserting pin through holes in handpiece behind lever assembly. You may need to rotate bur for the pin to go all the way through.
  - Place 1/4" wrench over flats on nosepiece and unthread.
  - Remove Collet.
- 3. Required for Reassembly:** pin, 3/32" or 2.35mm diameter bur with head diameter less than 3/32", ForeDom Oil **MS10010**, 1/4" and 1/2" wrenches, and Replacement Collet **HP703**.
- Blow out spindle, replacement collet, and nosepiece with compressed air.
  - Wipe tapered collet seat clean.
  - Lock spindle by inserting pin through holes in handpiece rotating bur as needed.
  - Insert pin or bur with small head into collet. Insert collet with pin into spindle.
  - Hand thread nosepiece over collet and pin or small bur onto spindle. Place 1/4" wrench over flats and tighten firmly.
  - Place a small drop of ForeDom Oil on nose cone threads. Thread nose cone onto housing. Tighten with 1/2" open end wrench.

### Adjust Shaft & Sheath

It is important to check the sheath and shaft tip and properly adjust them before attaching this handpiece to your ForeDom flex shaft tool.

The tip of the flexible shaft should extend 3/4" beyond the end of the sheath. This adjustment is made by loosening the set screw in the motor connector and moving the motor and shaft/sheath are hanging fully extended or laying on a flat surface. When the shaft is adjusted correctly, tighten the set screw in the motor connector.

**Note:** This illustration does not apply to slip joint connections.



**Never depress collet release lever while flexible shaft is rotating! This can cause damage and extensive wear to the handpiece!**



Press lever to release collet.

Release lever to close collet.



### Lubrication of Duplex Spring Connection on H.18D Handpiece

Apply 2 drops of oil in oil hole on rear of duplex spring connection approximately every 20 hours of use.

### Attach Handpiece to Flexible Shaft

The handpiece is easy to remove from the flexible shaft. To **remove**, simply pull the handpiece off the shaft and sheath with a firm grip. To **re-attach**, look into the back end of the handpiece for the keyway. Be sure that the key tip of the flexible shaft is properly lined up with the slot in the back end of the handpiece and push it on. If it is not in line, turn the shaft tip or the handpiece to the correct position.

### Operation

These Quick Change handpieces have a unique lever action collet release mechanism for rapid accessory changes. Wait for the motor, flexible shaft and accessory to come to a complete stop before pressing the lever to open collet. Press bur in slightly before removing.

### 4. Collet Inspection:

Depress lever. Bur must enter and exit collet freely, but not fall out. If collet sticks to taper in nosepiece or plunger, it will appear as though bur is stuck. To unseat, simply push bur in firmly and remove slowly again while holding lever down. If bur continues to hang up, remove nose cone and nosepiece, spread collet fingers, reassemble and test.

### Repair Service

Factory repairs are done promptly and at reasonable cost. If you wish, you can send your equipment directly to the factory marked: "Attention: Service Department". Be sure to give your street address, daytime phone number and/or email address and include a brief note describing the problem with the equipment. Estimates will be made upon request.

**Please retain your proof of purchase for warranty repairs.**

### LIMITED WARRANTY

ForeDom® warrants its product to be free of defects in material or workmanship for a period of 90 days after purchase. During the warranty period, the defective product will be repaired or replaced without charge or, at our option, the purchase price will be refunded. This warranty does not cover damage caused in transit or by accident, misuse, or ordinary wear. ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTIES OF FITNESS AND MERCHANTABILITY, ARE HEREBY LIMITED IN DURATION TO A PERIOD ENDING 90 DAYS FROM DATE OF PURCHASE, AND WE WILL NOT BE LIABLE OR RESPONSIBLE FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES. Repair or replacement will be made at our option if the product is returned post-paid to:

#### The ForeDom Electric Company

16 Stony Hill Road, Bethel CT 06801

All warranty repairs must be done at the factory at the address above. We will not pay any shipping or transportation charges. This warranty covers the original purchaser of the product only. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.