

IMPORTANT INSTRUCTIONS

Foredom® Handpiece Nos. 52, 52D, and 52SJ

Please read instructions before attaching this handpiece.

Keep a 3/32" shank in the handpiece at all times during operation and storage.

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. The equipment should be accompanied by a brief note describing the problem with the equipment. Estimates will be made upon request.

For More Information on Foredom machines, handpieces, or accessories, contact your local dealer. When no local dealer is available, visit our website at www.foredom.com. You can write to us at: The Foredom Electric Company, 16 Stony Hill Road, Bethel, CT USA 06801 or call (203) 792-8622.

Always wear proper eye protection while using this handpiece.

Form 1284 n 5/07

Printed in USA

Maintenance and Lubrication

Handpiece Nos. 52, and 52SJ do not require any lubrication. Putting oil or grease into the front or back of these handpieces will damage their prelubricated ball bearings.

Lubrication of Duplex Connection on the No. 52D Handpiece

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

Collet Replacement & Collet Gripping Pressure Adjustment

The collet gripping pressure is preset at the factory during assembly. After a period of use it may be necessary to readjust the collet chuck nut to compensate for normal collet wear which reduces the gripping pressure or when the collet is replaced. Follow the instructions below when replacing or adjusting collet gripping pressure.

1. Remove handpiece from the flexible shaft before disassembly and remove bur or accessory from the collet.
2. Unthread the nose cone using a 3/4"(15mm) spanner wrench while holding the handpiece at the front knurled section. Turn counter-clockwise to unthread.
3. Pull chuck nut forward while holding front sleeve and rear knurl and then push back to expose the chuck nut and front bearing.
4. Remove the chuck nut by holding the bearing retaining nut with a 3/8"(10mm) spanner wrench and unthreading counterclockwise the chuck nut with a spanner wrench (7mm) or pair of pliers on its flats. This exposes the collet for cleaning or replacement.
5. Gripping pressure is adjusted by moving the adjusting nut down (to increase pressure) or up (to reduce pressure) on the threaded spindle/collet holder. Make the adjustment in small increments (about one half turn of the nut). A half turn may be sufficient to increase or decrease gripping pressure.

Collet Replacement & Collet Gripping Pressure Adjustment For Foredom® Nos. 52, 53, 52D, and 52SJ Handpieces

Pliers and 3/8" and 3/4" spanner wrenches required.



Replacement Part Description	Part No.
3/32"(2.35mm) Front Collet	HP5262
Chuck Nut	HP5266
Nose Cone	HP5270
Adjusting Nut	HP5257
Catch Spring	HP43
Catch Ball	HP48

Adjust the Shaft and Sheath

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

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 sheath in or out while 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. **Always make sure your power tool is unplugged during any maintenance procedure.**



IMPORTANT!

Attach Handpiece

Nos. 52 or 52D 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 keyway 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. The No. 52SJ has a 'slip joint' connection for use with European style machines.



Rapid Accessory Changing

These quick change handpieces have a unique push/pull collet chuck release mechanism. Wait for the motor, flexible shaft and accessory to come to a full stop before opening the chuck. Then, pull the outer grip forward with one hand while holding the back of the handpiece with the other (see Figure 1). Remove the accessory and insert the shank of the new one at least 1" (25mm) into the chuck. Pull the grip all the way back until the chuck snaps closed (see Figure 2).

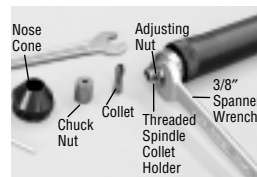
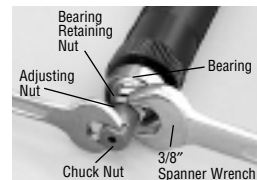


Figure 1 Open



Figure 2 Closed

6. Tighten the chuck nut down so that it touches the adjusting nut while holding the bearing retaining nut with the 3/8" wrench.
7. Pull sleeve forward over bearing and thread the nose cone back on and insert a 3/32" or 2.35mm shank accessory (1/8" in No. 53 handpiece) into the collet with sleeve pulled forward (open). Now close the collet. It should require moderate force, and there should be a slight "snap" as the collet locks closed.
8. If the gripping pressure is too much or too little, remove nose cone and repeat Steps 3-7. (The chuck nut does not need to be removed to reduce or increase gripping pressure. Unthread the nut one or two turns, move adjusting nut up or down a half turn and re-tighten the chuck nut.)



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. The duplex connection is particularly susceptible to damage and is not covered by warranty. Replacement duplex springs are shipped with installation instructions. 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.