

IMPORTANT INSTRUCTIONS

Foredom® Handpieces H.52, H.52D & H.52SJ

See your power tool owner's manual for complete instructions on use and maintenance.

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

Before attaching this handpiece please read these instructions. They should always be followed to reduce the risk of personal injury or damage to the handpiece.

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: Repair Department". Be sure to include a brief note describing the problem and to give your phone number, email and street address. Estimates will be made upon request.

Never wear open shoes or sandals. Use footwear that is tough enough to protect your feet from falling tools.

Keep both hands and fingers away from the cutting edge at all times.

Do not wear loose fitting clothing or jewelry.

Maintenance and Lubrication

Handpieces H.52 and H.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 H.52D Handpiece
Apply 2 drops of oil in oil hole on rear of duplex connection after approximately every 20 hours of use.

Collet Replacement and 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. An online instructional video at www.foredom.net showing **Collet Replacement & Collet Gripping Pressure Adjustment** may also be helpful.

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" or 20mm spanner wrench while holding the handpiece at the front knurled section. Turn counterclockwise 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.

Collet Replacement & Collet Gripping Pressure Adjustment for H.52, H.53, H.52D, & H.52SJ Handpieces Pliers and 3/8" and 20mm spanner wrenches required.

Always use a proper dust collection system or wear a respirator to prevent the inhalation of dust particles or other debris into the lungs.

Always wear proper eye protection while using this handpiece. Wear safety glasses or a face shield to prevent serious eye injury when-ever you operate a Foredom flexible shaft machine or any power tool.

Loose clothing or jewelry can become entangled in the tool. Do not wear items such as neckties, necklaces, or bracelets when operating power tools. Secure or tie back long hair.

Use both hands whenever possible to hold and guide the tool.

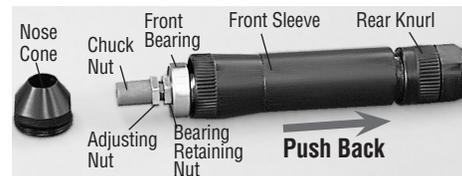
Avoid knots, imperfections in the wood or metal objects like nails, which could catch or damage the tool bit. Let the speed of the tool do the work.

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

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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 (3/8" or 7mm depending on nut style) 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.
6. Tighten the chuck nut down so that it touches the adjusting nut while holding the bearing retaining nut with the 3/8" wrench.



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

It is important to check the sheath and shaft tip and properly adjust them before attaching this handpiece to your Foredom flexible 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 and 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.**

Attach Handpiece to Flexible Shaft

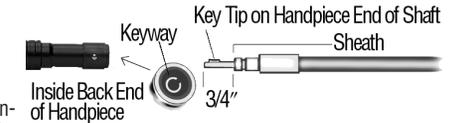
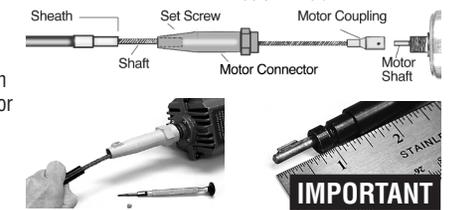
Before attaching the handpiece, connect the motor to the speed control and plug into power source.

To Attach Handpiece: While holding the black colored metal outer sheath tip facing upward, turn on the control so that the motor is running at about half speed and then turn it off. While the inner key tip is still rotating, grip the handpiece and push it onto the sheath tip with one firm motion until it snaps into place. This procedure will align the key tip into the keyway slot (shown at right). To verify this, with an accessory in the chuck, turn on control to a low speed and observe that the accessory rotates smoothly.

Rapid Accessory Changing

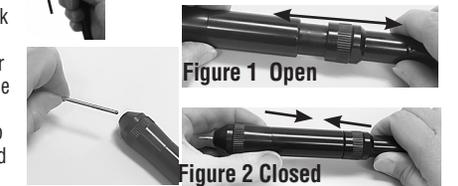
These quick change handpieces have a unique push/pull collet chuck release mechanism. Wait for the motor, flexible shaft and accessory to come to a **full stop** before opening the chuck. Then, pull the outer grip forward while twisting it slightly with one hand while holding the back of the handpiece 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).

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



To Remove Handpiece from Flexible Shaft:

1. First make sure your power tool is unplugged.
2. To remove, simply pull the handpiece off the shaft and sheath with a firm grip.

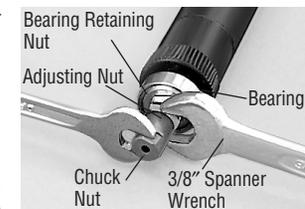


7. Pull sleeve forward over the bearing and thread the nose cone back on and insert a 3/32" or 2.35mm shank accessory (1/8" in H.53 handpiece) into the collet with sleeve pulled forward (open). Now close the collet. It should require moderate force, and there should be a slight "snap" as the collet locks closed.
8. If the gripping pressure is too much or too little, 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.)

For more information on this handpiece and other Foredom tools contact your local dealer. When no local dealer is available, write: **Foredom Electric Company** 16 Stony Hill Rd, Bethel, CT 06801, call (203) 792-8622, fax (203) 796-7861, or email: customerservice@blackstoneind.com.

Visit www.foredom.net for the latest information and how-to videos!



Limited Warranty

Warranty period is 90 days for handpieces. Blackstone Industries, LLC d/b/a The Foredom Electric Company warrants, to the original purchaser only, that its products will be free from defects in material or workmanship for the applicable period of time indicated above following the purchase date. During the warranty period, the defective product will be repaired or replaced without charge or, at our sole 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, WITHOUT LIMITATION, IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY, ARE LIMITED IN DURATION TO THE APPLICABLE WARRANTY PERIOD. IN NO EVENT WILL WE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you.

At our sole option, repair, replacement or refund will be made if the product is returned postage prepaid to:

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

All warranty repairs must be done at our factory at the above address. We will not pay any shipping or transportation charges. Shafts, sheaths and duplex springs are not covered by this warranty.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.