

IMPORTANT INSTRUCTIONS For Foredom® Handpieces H.10 and H.10D

Please read these safety instructions thoroughly before operating this tool. They are for your protection and should always be followed to reduce the risk of personal injury or damage to the handpiece.

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

Keep a 2.35mm (3/32") shank bur in the handpiece at all times during operation and storage.

For easier bur removal, push in slightly to release collet taper before pulling bur out.

Never depress collet release lever while flexible shaft is rotating.

Never use a damaged, bent, vibrating, or out of balance accessory or other tool bit. Inspect each accessory for cracks or flaws before using.

Never change accessories while motor switch is in the ON or FOR (forward) or REV (reverse) position.

Secure the workpiece that you are carving in a vise or other work holding device. Holding it with your hand is dangerous and can result in serious hand injury.

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

Form 1243 n 6/17

See your Power Tool Owner's Manual for complete instructions on use, care and maintenance.

Wear safety glasses or a face shield whenever you operate a Foredom Flexible Shaft machine or any power tool to prevent serious eye injury.

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

Never cut or exert pressure toward your hand or any other part of your body.

Do not wear loose fitting clothing or jewelry. 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.

Let the speed of the tool do the work.

For More Information

For more information on Foredom machines, handpieces, or accessories, contact your local dealer. When no local dealer is available, contact: **Foredom Electric Co.** 16 Stony Hill Road Bethel, CT 06801 or call (203) 792-8622 visit our website at www.foredom.net

Safety Instructions

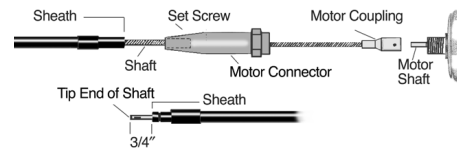
Always wear proper eye and face protection.

Wear safety glasses or a face shield whenever you operate a Foredom Flexible Shaft machine or any power tool to prevent serious eye injury.

Never use or continue to use any rotary accessory that is damaged, bent, loose, vibrating or out of balance. Inspect each accessory for cracks or flaws before using it.

Do not wear loose fitting clothing or jewelry. 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.

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



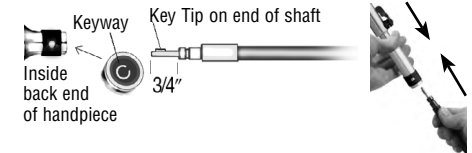
Adjust the Shaft and Sheath

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

1. Before attaching the handpiece, connect the motor to the speed control and plug into power source.
2. 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**.
3. 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 (shown at right).
4. This will align the key tip into the keyway slot (shown above).
5. To verify this, insert and tighten an accessory into collet or chuck, turn on control to a low speed and observe that the accessory rotates smoothly.

Note: Handpiece can run only with 2.35mm (3/32") shank bur inserted.

Do not operate with lever in open position—this will cause the handpiece to lock up.



To Remove Handpiece from Flexible Shaft

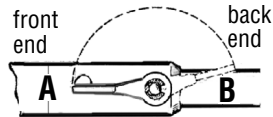
1. First make sure your power tool is unplugged.
2. To remove, simply pull the handpiece off the shaft and sheath with a firm grip.

Attaching Accessories

1. To Insert Bur
Move Lever 180° clockwise towards the back of the handpiece (see drawing — position B).

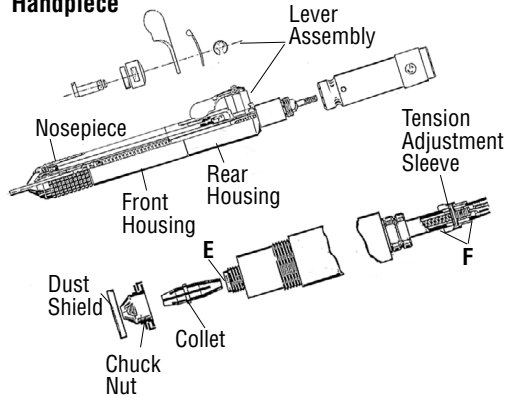
2. Insert or change bur. Make sure bur's shank diameter matches the collet size (2.35mm or 3/32").

3. Move lever 180° counterclockwise, toward front of the handpiece (see drawing — position A). Make sure lever is completely locked into forward position and pull on bur to be sure that it is secured.



A— chuck is closed and the bur is locked
B— chuck is open

H.10 Handpiece

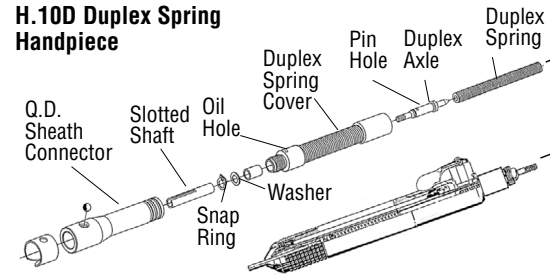


- 11.** Put a drop of Foredom oil into collet end of spindle marked **E**, and above and below tension adjustment sleeve in areas marked **F**.
- 12.** Put 2 drops of Foredom oil on collet and insert into handpiece, long end first.
- 13.** Place chuck nut over collet. **DO NOT TIGHTEN!**
- 14.** Place bur into collet and screw on chuck nut using wrench and pliers.
- 15.** Replace rear housing on handpiece and tighten using pliers.
- 16.** Put a drop of Foredom oil on cam of lever assembly.
- 17.** Screw lever assembly back into rear housing using 5/16" wrench while holding lever in the closed or locked position.
- 18.** Turn lever to the open position and remove bur. Keep lever in open position.
- 19. IMPORTANT!** Put dust shield on chuck nut with cup-shaped side down toward chuck nut.
- 20.** Screw on nosepiece and tighten with pliers.
- 21.** Place bur into handpiece and turn lever to closed position.
- 22.** Handpiece is now ready for use.

Routine Maintenance for H.10 Handpiece:

- 1.** Remove handpiece from flexible shaft.
- 2.** Remove bur from handpiece, leave lever in the open position.
- 3.** Remove nosepiece from handpiece by grasping it and rear housing with 2 pair of pliers and unscrew it. Remove dust shield.
- 4.** Re-insert bur into handpiece, return lever to closed position.
- 5.** Using a 5/16" wrench, remove lever assembly. Keep lever in closed position when removing and reinstalling.
- 6.** Remove rear housing by grasping front housing and rear housing with pliers.
- 7.** With pliers, grasp tension adjustment sleeve, put 1/4" wrench on chuck nut and unscrew to remove. Remove bur with chuck nut.
- 8.** Remove collet by pulling it out of handpiece.
- 9.** Use compressed air to clean handpiece spindle and collet.
- 10.** Clean remaining parts of handpiece with a small brush.

H.10D Duplex Spring Handpiece



Routine Maintenance for H.10D Handpiece with Duplex Spring Connection:

Approximately every 20 hours of operation, apply 1 or 2 drops of Foredom oil into the hole in the Duplex Spring Cover next to the Q.D. Sheath Connector. This will provide sufficient lubrication for the Duplex Spring Cover and Duplex Axle.

Cleaning the H.10D Duplex Spring Handpiece

- 1.** First remove the handpiece from the flexible shaft. To remove the handpiece, simply pull the handpiece off the shaft and sheath with a firm grip while the motor is not running.
- 2.** Using two pliers, remove QD Sheath Connector from the Duplex Spring Cover. Use pliers carefully to avoid marking or damaging handpiece parts.
- 3.** Put a pin through Pin Hole in Duplex Axle and use pliers to remove Slotted Shaft.
- 4.** Remove Washer and Snap Ring on Duplex Axle.

Follow instructions for cleaning H.10 Handpiece.

Lubrication of the H.10D Duplex Spring Handpiece after cleaning

- 1.** Put light film of flexible shaft grease on Duplex Spring and 1 drop of oil on Duplex Axle.
- 2.** Replace Rear Housing (and Washer, Snap Ring and Slotted Shaft Connector if **H.10D Duplex Spring Handpiece**).
- 3.** Put a drop of oil on cam of Lever Assembly.
- 4.** Screw lever assembly back into Rear Housing using 5/16" wrench while holding lever in the closed or locked position.
- 5.** Tighten all parts and handpiece will be ready for use.

LIMITED WARRANTY

Warranty period is 90 days for handpieces.

Blackstone Industries, LLC d/b/a 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.

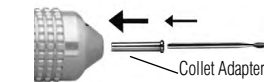
ALL IMPLIED WARRANTIES INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY, ARE LIMITED IN DURATION TO THE APPLICABLE WARRANTY PERIOD. IN NO EVENT WILL WE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations 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, Connecticut 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.



Collet Adapter HPL4-3233 is available for this handpiece. With this adapter you can use 1/16" shank accessories without having to change the collet. It may be ordered from your dealer or the factory.