

IMPORTANT INSTRUCTIONS

For Freedom Hammer Handpieces H.15, H.15D, and H.15SJ

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.

Change accessories only when motor switch is in the OFF position. Never change them while switch is in the ON or FOR (forward) or REV (reverse) positions.

Never run Handpieces H.15, H.15D or H.15SJ in reverse rotation.

Secure the workpiece 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.

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.

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 Freedom Flexible Shaft machine or any power tool to prevent serious eye injury

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

Do not wear loose fitting clothing or jewelry. Loose clothing or jewelry can become tangled 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

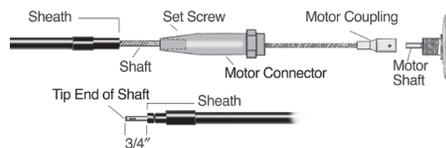
For more information on Freedom machines, handpieces, or accessories, contact your local dealer. When no local dealer is available write: Freedom Electric Co. 16 Stony Hill Road, Bethel, CT 06801, call (203) 792-8622 or visit our web-site at www.freedom.net or email: customerservice@blackstoneind.com

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Please read the 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.

Note: Shaft and sheath connection instructions do not apply to H.15SJ slip joint handpieces for use with European style motors.



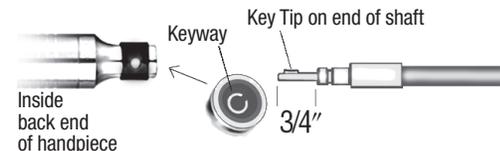
ADJUST THE SHAFT AND SHEATH

It is important to check the sheath and shaft tip and properly adjust them before attaching this handpiece to your Freedom 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).



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.



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

Hammer Handpieces are supplied with an anvil point (HP10177).

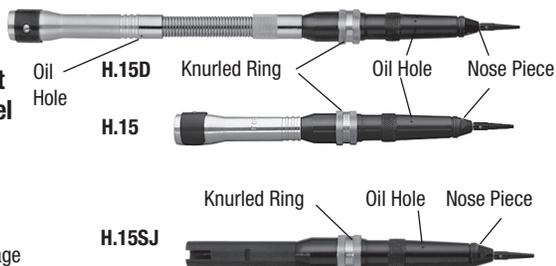
If anvil points are reshaped they must also be polished with a grinding wheel or sandpaper.

Operation: H.15, 15D, and 15SJ handpieces can be operated at speeds from 0–5,000 RPM (or intermittently up to 7,500 RPM). Use at higher speeds will create excessive heat which will damage the handpiece. If your Foredom flexible shaft tool runs in both forward and reverse — **Never run Handpieces H.15, H.15D or H.15SJ in reverse rotation.**

Changing Points: Insert the pin through the cross hole in the anvil point. Hold the handpiece firmly and unscrew the point in a counterclockwise direction. (Right hand thread.) A new point can be installed by threading it into the nosepiece and tightening it with the pin.

Adjusting Impact: The impact of the stroke is adjusted by turning the knurled ring on the handpiece— counterclockwise towards the tip for a lighter impact – and clockwise towards the back of the handpiece for a heavier impact. Several other hammer tips are shown inside and available separately.

Lubrication: Before disassembling nosepiece, be sure to clean off any dirt or other foreign matter to prevent it from falling inside the handpiece. Lubricate after every 10 hours of use. Apply no more than 1 or 2 drops to the hole located on the barrel of the handpiece and into the hole on the rear of the duplex spring connection of the H.15D.



LIMITED WARRANTY

Your Foredom Hammer Handpiece is warranted against defective material and workmanship for a period of 90 days from date of purchase. The duplex connection is particularly susceptible to damage and is not covered by warranty. Replacement duplex springs are shipped with installation instructions. 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. Armatures, bearings, 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.

Hammer Handpiece Accessories Available Separately

Threaded Anvil Points for Hammer Flex Shaft and Micromotor Handpieces

0-5,000 Strokes per Minute Max Speed. These six threaded anvil points fit Foredom Flex Shaft Hammer Handpieces, Foredom Micromotor Hammer Handpiece and the Swiss made Badeco Hammer Handpiece. They are heat treated steel made to the finest specifications and finished with black oxide. Made in USA.

Ball Nose 3/32" **HP10171***
(2.35mm) dia.



Fine Point .015" **HP10172***
(.4mm) dia.



Square 3/32" **HP10173***
(2.35mm)



Cylinder 7/32" **HP10175***
(6mm) dia.



Rectangle 3/32" x 3/16" **HP10176***
(2.35mm x 4.8mm)



Bezel Rocker 5/16" x 1/4" **HP10179***
(8mm x 6.4mm)



*These should be polished prior to use.

Other Foredom Hammer Tips for H.15, H.15D, and H.15SJ Handpieces Available Separately

Carbide Stylus **HP10212**

4-48UNF-2A thread



Pavé Point **A-R15PT**

4-48UNF-2A thread

Diamond Tip



Flat Top Taper **HP10177**

4-48UNF-2A thread



(included with H.15, H.15D and H.15SJ handpieces)

AK101

6pc. Anvil Point Kit

Includes the threaded anvil points shown at left: Ball Nose, Fine Point, Square, Cylinder, Rectangle, Bezel Rocker, and pin for installing packed in a plastic bur holder with cover.

