

Cleaning, Maintenance & Parts

Typhoon® Burs: Long lasting, non-clogging tungsten carbide burs with unique, structurally aligned points, easily cleaned with supplied **A-HB58** brass bur cleaning brush, a steam cleaner or ultrasonic cleaner.

M.400 comes with 2- 1/4" shank coarse (red) burs—Taper (5°) p/n **A-KB14198** and Ball Nose **A-KB14734**.

M.402 comes with 2- 6mm shank coarse (red) burs—Taper (5°) p/n **A-KB66198** and Ball Nose **A-KB66734**. Other 1/4" and 6mm shank burs available.

Sanding Bands: **M.400** and **M.402** are supplied with 3/4" x 1 1/2" (19 x 38mm) 5 coarse, 5 extra fine sanding bands, rubber drum mandrel (A-SD145 with M.400, A-SD345 with M.402) Replacement bands with finer grits also available.

Cylinder Sanding Bands 10-packs

60 grit coarse **A-4942-10**

80 grit medium **A-4943-10**

120 grit fine **A-4944-10**

220 grit extra fine **A-4946-10**

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 Dept. Be sure to give your street address and phone number. The equipment should be accompanied by a brief note describing the problem with the equipment. Estimates will be made upon request.

Please retain your proof of purchase for warranty repairs.

Carbon Brush Wear: Disconnect power cord before checking for brush wear. Check for brush wear about every 1000 hours or after approximately one year of continuous operation. To access the motor, the cover of the unit needs to be removed. Turn the unit over and remove the screws embedded in the four rubber feet. The brush tubes are located under the two protective caps on the motor. Remove them with a standard screw driver blade, unscrew the brush tube caps, check the brush length, and install new brushes if the old ones are less than 1/4" (6mm) in overall length. Be sure the radius in the end of the brush is in line and conforms to the commutator surface. Replacement brushes are available from your dealer or the factory. To order the correct replacement motor brushes, find the part number on your Arch Trimmer's motor. See listing below:

Motor No.	Volts	Motor Brush Part No. (Includes 2)
90-953	115V	MP319P
90-954	230V	
33-1711	115V	MP2039P
33-1712	230V	

Contact Information

If you have a warranty issue with your Foredom power tool please use the contact information below. For more information on Foredom machines, handpieces or accessories, contact your local dealer. When no local dealer is available contact Foredom at:

The Foredom Electric Company

16 Stony Hill Road, Bethel, CT 06801

Tel.: (203) 792-8622 • Fax: (203) 796-7861

Email: customerservice@blackstoneind.com

LIMITED WARRANTY

The Foredom Electric Company warrants the Arch Trimmer to be free of defects in material or workmanship for a period of 2 years 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 ONE YEAR 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 USA 06801

All warranty repairs must be done at the factory at the above address. We will not pay any shipping or transportation charges. This warranty only covers the original purchaser of the product. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations 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.

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Printed in USA

FOREDOM®

Owner's Manual



Arch Trimmer

M.400 (115 Volt) and M.402 (230 Volt)

For Your Own Safety—

Read the Owner's Manual before operating your Foredom Power Tool.

Always use the safety shield and wear eye protection while using the Arch Trimmer or other power tools.

Safety Instructions

The Foredom® Arch Trimmer is manufactured to high standards of precision and performance and, with proper use and maintenance, will give you years of trouble-free operation.

Before using your Foredom Arch Trimmer, **please read all safety instructions.** They are for your protection and should always be followed to reduce the risk of personal injury or damage to the tool.

Always use the safety shield.

Always wear proper eye and face protection. Safety glasses or face shields should be worn whenever you operate a Foredom or any power tool to prevent serious eye or face injuries.

Do not wear loose clothing or jewelry, and be sure to **tie back long hair.**

Never operate any accessory at speeds above its maximum speed rating. When properly used, all of Foredom's accessories can be operated at the speeds listed in the Foredom Rotary Accessories catalog or on the packaging. **Never** use or continue to use any accessory which appears to be damaged, loose, vibrating, or out of balance. Inspect each accessory for cracks or flaws before using it.

Always insert the shank or arbor of an accessory into the collet as far as possible in order to provide proper support. Tighten the collet or chuck securely.

Never use excessive side pressures which may tend to bend or break the shank or arbor or an accessory. Let the speed of the accessory do the work.

Do not stall the motor by jamming or using excessive pressure on the Typhoon® bur or other accessory. This can result in damage to the motor.

Never operate your Arch Trimmer during a perceptible power decrease. Turn power tool off and do not use until power is fully restored.

Always replace or repair a worn cord immediately.

Use proper grounding procedures. This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved 3-conductor cord and a 3-prong grounding type plug to fit the proper grounding receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal. If your unit is for use on less than 150 volts, it has a plug that looks like sketch A in Figure 1. An adapter (sketches B and C) can be used for connecting plugs as shown in sketch A to 2-prong receptacles.

The green colored rigid ear, lug, etc., extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box.

Some jurisdictions, including Canada, prohibit the use of 3 to 2 prong adapters. Where prohibited, they should not be used. Use only 3-wire extension cords that have 3-prong grounding type plugs and 3-pole type plugs and 3-pole receptacles that accept the tool's plug. Always disconnect the power cord before servicing the lathe. Never use in an area where flammable vapors are present.

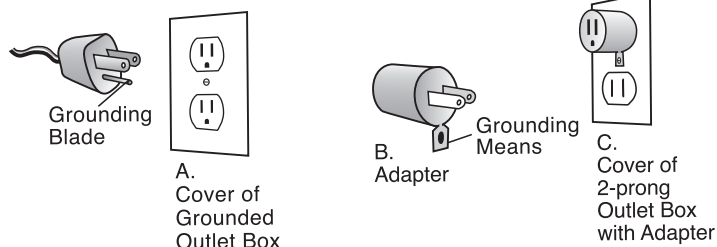
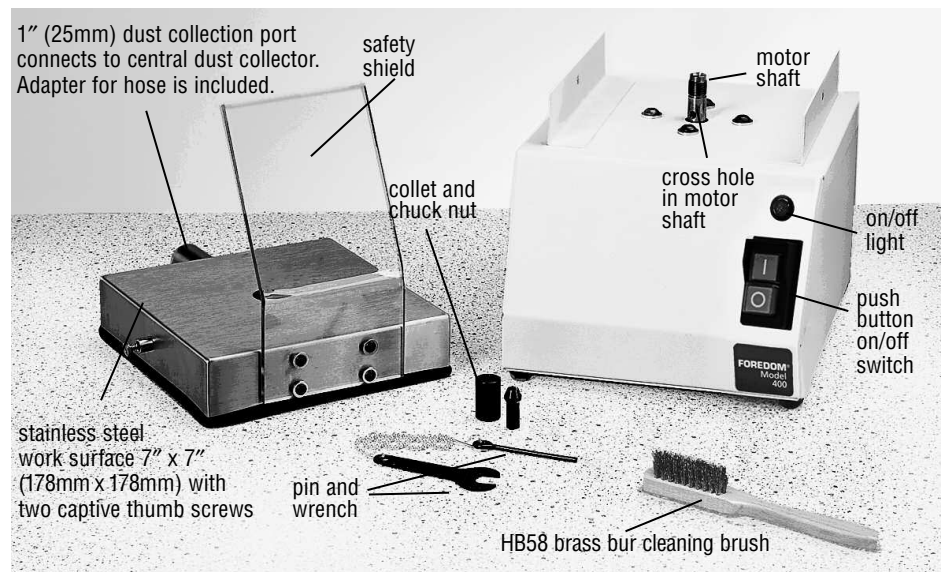


Figure 1



Assembly and Operating Instructions

The Foredom Arch Trimmer includes two Typhoon® Carbide Burs, sanding bands with a rubber drum mandrel, a brass bur cleaning brush, 1/4" collet and chuck nut (6mm for Model 402), pin and wrench for changing burs, and an adapter for connecting the dust port to a 2½" (64mm) diameter hose for 110V. and 1¼" (31.75mm) diameter hose for 220V.

1. Attach the safety shield to stainless steel work surface using the four screws & washers supplied.
2. Plug the molded cord set into the three-poled receptacle located in the back of the cabinet. Now connect the unit to the power supply.
3. Use the hook on the back of the cabinet for hanging the pin and wrench.
4. Push the green "on" button to start motor. Green power light will go on. The electromagnetic on/off switch will shut off power to motor if there is a power failure or power cord is unplugged. Restart by pushing green "on" button.

Fuse Protection: The Arch Trimmer is protected from power line current surges or shorts by a 2 amp fuse (p/n CP10540) for the 115 volt model, and a 1.5 amp fuse (p/n CP10543) for the 230 volt model. It can be checked or replaced by unscrewing the cap in the back of the cabinet.

Installing and Changing Burs:

- Always** unplug the machine before changing burs.
1. Remove the stainless steel cover by loosening the 2 thumb screws.

2. Insert bur shank as far as possible into the collet.

3. Use the pin and wrench to tighten the bur. First insert pin into cross hole in motor shaft, then place wrench on chuck nut flats to tighten the bur—turning **clockwise**.

4. Follow the same procedure to remove a bur, turning **counter-clockwise** to loosen it.

5. Return pin and wrench to hook.

6. Mount stainless steel work surface on cabinet and tighten thumb screws.

Always use the safety shield when operating the Arch Trimmer.

Always make sure the bur is properly secured into motor shaft before turning the machine back on.

Cleaning, Maintenance, and Parts

Cleaning: At least once a week you should remove and clean the area beneath the stainless steel work surface to insure proper air flow and prevent build-up of dust or powder around the motor shaft. If you do more than 5 models a day you should clean the Model 400 Arch Trimmer at the end of each day. Remove the stainless steel work surface and vacuum the dust. Remove the collet or chuck and vacuum the collet holder socket in the spindle. Clean the chuck nut and collet. Wipe the Collet with light lubricating oil before replacing.

Lubrication: The Foredom Arch Trimmer has pre-lubricated ball bearings and a sealed dust-proof motor housing that do not require any lubrication.