

Owner's Manual

Model 800 Air Grinder



Instructions for Assembly, Operation, and Maintenance

For your own safety, please read the Owner's Manual before operating your Foredom power tool. Always wear eye protection.

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Safety Instructions

Before using the Foredom Model 800 Air Powered Grinder, be sure to thoroughly familiarize yourself with these instructions, with State and Local Regulations and with the regulations of General Industry Safety and Health Regulations, Part 1910, OSHA 2206, available from Supt. of Documents, Gov't Printing Office, Washington D.C. 20402, and Safety Code for Portable Air Tool – ANSI 81861. Available from American Standards Institute, Inc., 1430 Broadway, New York, New York 10018.

Always comply with these regulations.

Please pay attention to the following:

- Be sure that the speed rating of the accessory (abrasive wheel, buffing wheel, wire brush, saw blade, flap wheel, carbide bur, steel bur, or other product) is 30,000 RPM or higher. ***Do not use any accessory which vibrates, or is cracked, chipped, or otherwise damaged.***
- Operate the tool at 90 PSI (6.3 Kg/Cm). Never operate above 90 PSI. Use an air-line filter/regulator/lubricator recommended for use at 90 PSI.
- If the tool vibrates, is damaged or produces an unusual sound, repair immediately or return to Foredom for repair.
- Always wear safety glasses or a face shield when using this tool.
- Do not use excessive force. Let the rotational speed of the tool do the work.

Failure to follow these instructions may result in serious injuries.

Operation

- Recommended air pressure for optimum performance is 90 PSI. Clean, filtered, and lubricated air is essential for long, trouble-free life of the Foredom Model 800 Air Grinder.
- The Model 800 Air Grinder is supplied with a 6' heavy duty hose with 1/8" NPT threaded fitting which should be attached to air supply through the filter/regulator/lubricator assembly. **Adjust lubricator for minimal oil delivery.**
- Do not sterilize this handpiece.

Installing Burs:

1. Pull back chuck guard to uncover chuck portion of the spindle.
2. Insert one of two wrenches provided in slots on spindle.
3. Insert other wrench in slots on chuck nut.
4. Turn wrenches to loosen chuck nut.
5. Insert accessory shank as far as possible into the collet.
6. Tighten chuck nut securely with wrenches and test for a secure hold by pulling on accessory.
7. Remove wrenches and slide chuck guard into protective position.
8. Follow the same steps to replace accessory.

Changing Collets:

1. Remove chuck nut.
2. Replace collet.
3. Replace chuck nut.

Collets Available:

Part No.	Capacity
601	1/32" (.8mm)
602	1/16" (1.6mm)
603	3/32" (2.35mm)
604	1/8" (3.18mm)
605	3mm collet

Lubrication and Maintenance

Handpiece Lubrication and Maintenance

1. The use of a miniature filter-regulator-lubricator is required to maintain proper operation. (Larger lubricators will not deliver the proper amount of lubricant at the low air flow of this handpiece.)
2. Adjust the lubricant to deliver the minimum amount of oil into the air stream.
3. Use only a very light oil. Heavier oils can cause sluggish operation and a loss of power.
4. Over lubrication will also cause the handpiece to operate in a sluggish manner.

Cleaning Instructions

It is not unusual for particulate matter from the air supply to accumulate in air operated handpieces. You can insure dependable, smooth operation if you clean your handpiece every 30 days as follows:

1. Disconnect air tubing connector.
2. Spray any aerosol handpiece cleaner (such as WD-40) into the inlet tube for three seconds.
3. Reconnect air tubing connector and check performance of the handpiece.
4. Repeat three times if necessary. If the aerosol cleaning procedure fails to improve motor performance, return for repair.

Troubleshooting Operating Problems

Problem	Correction
Motor will not start at low air pressure	Follow Cleaning Instructions listed above.
Motor sluggish – low speed or torque	Check air pressure. Follow Lubrication Instructions listed above.
Motor will not run.	Check air pressure. If spindle will not rotate, motor is probably locked up due to foreign material entering through air line. Return for cleaning.

LIMITED WARRANTY

Foredom warrants the Model 800 Air Grinder to be free of defects in material or workmanship for a period of 1 year 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 1 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 06801

This warranty only covers the original purchaser of the product. 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 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.

For more information on Foredom machines, handpieces or accessories, contact your local dealer.

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