

Repair Services

Authorized repair service is available at the Foredom factory in Bethel, CT. Send items for repair to the factory marked:

“Attn: Repair Department”

Foredom Electric Co.

16 Stony Hill Road

Bethel, CT 06801

Enclose the item(s), a packing list, your address, phone number, email address and a description of the problem or repairs required. Estimates of repair cost will be made upon request. If the cost (labor plus parts) is more than fifty percent of the price for a new replacement we will contact you and recommend a trade-in offer.

Please retain your proof of purchase for warranty repairs.

Supplies & Replacement Parts

Tumbler Barrel CPRT-111

Lid O-ring CPRT-116

ELMA Concentrate,
media solution, 4 oz A-RT04

Media, Stainless Steel
Jewelers Mix, 1 kg A-TS12

Replacement Fuse: CP10513

Contact Information

For more information on Foredom machine contact your local dealer. When no local dealer is available, we have live chat on our website www.foredom.net Monday through Friday, 8:30 am – 5:00 pm (ET). You may also call, fax, or email.

Limited Warranty

Foredom warrants its product to be free of defects in material or workmanship for a period of two years after purchase. 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, CT 06801

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

Foredom Electric Company

16 Stony Hill Rd, Bethel, CT 06801

Tel: 203-792-8622 Fax: 203-796-7861

Email:
customerservice@blackstoneind.com

Visit our website:
www.foredom.net

FOREDOM®

Operation and Maintenance Manual for RT101 Rotary Tumbler



For Your Safety:



**Read this Manual before operating
your Foredom Power Tool.**

www.foredom.net

Safety Instructions

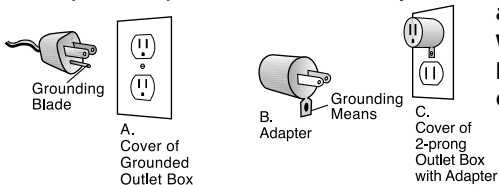
- **NEVER** operate with a damaged power cord.
- **NEVER** wear open shoes or sandals. Use foot-wear that is tough enough to protect your feet from falling tools.
- **It is very important to place the unit on a flat, level work surface.** If there is an imbalance inside the barrel or unevenness in the work surface, the Rotary Tumbler may vibrate during operation. Make sure the tumbler is properly balanced in order to prevent it from vibrating off of the work bench.
- **DO NOT** wear loose fitting clothing or jewelry. Loose clothing or jewelry can be come entangled in the tool. Do not wear items such as neck-ties, necklaces, or bracelets when operating power tools. Secure or tie back long hair.

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 below. 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 tool. Never use in an area where flammable vapors are present.

Store your Foredom power tools in a DRY, clean, dust-free area, and out of the reach of children.

Replace or repair worn cord immediately.



Foredom's new direct drive rotary tumbler is excellent for burnishing gold, silver, and other metals. This efficient, compact rotary tumbler with programmable controls makes repeatable processes easy to select. Set the timer, choose the direction of rotation, and select from 20 levels of speed control. Work cycle duration is up to 180 minutes long. Your work in progress is visible through the clear, leak-proof, hexagonal barrel.

100 - 240 Volt – Universal Voltage

Tumbler measures 9.75" h x 10.25" d x 7" w, Weight: 12 lbs. empty, 14 lbs. ship weight.

Barrel capacity 70 cu. In. with 3-1/4" lid opening and 5-5/8" depth.

Recommendations:

- Ideal media to workpiece ratio is 5 to 1, for better performance increase the media to workpiece ratio.
- **Total load capacity is 3 kg. (6.6 lb)** and includes media + workpieces + water/compound solution. Recommended weight of workpieces is 0.2Kg (0.4 lb) Too small of a load may cause excessive vibration. Too large of a load will overload the tumbler and cause excessive wear.
- Use only 1 – 1.5 kg (2.2 – 3.3 lb) of stainless steel tumbler media.
- Fill the barrel with media and workpieces then fill the barrel to half full with compound solution, usually water and non-foaming soap like Foredom's Elma Clean. When the barrel is sitting flat on the work surface with open side up. The half-way mark is in the middle of the black band around the center.
- **Caution: Unit must have a full media load to stay stable and must be used on a flat level surface.**

- If the solution inside the rotary tumbler starts to look dirty, change it immediately.
- Clean the lid O-ring weekly and lubricate with petroleum jelly.

Maintaining the barrel:

Never clean the Polycarbonate resin barrel with cleaners containing ammonia or solvents such as Alcohol, Trichloroethylene, Thinner, Gasoline, etc.

Use mild dish soap or dishwashing liquid and lukewarm water. Rinse thoroughly with clean water.

Dry with a soft damp cloth. Avoid direct exposure to sunlight.

Settings

Timer Operating time can be selected in 20 intervals from 0 – 180 minutes in 15-minute increments. You can adjust the time while running the tumbler by pressing the TIMER pad. Each press of the TIMER pad adds 15 minutes. To reduce the amount of time you have set, keep pressing the TIMER pad until the display returns to 15 and then set the desired time.

Speed Adjust the speed by pressing the SLOW or FAST pad. There are 20-speed settings from 5% to 100%. Softer, thinner workpieces

should be run at slower speeds to prevent distortion. Because the speed of rotation will vary depending on the workpieces, media and solution inside the barrel, it is not measured in RPMs.

Direction The rotational direction can be set by pressing the DIRECTION pad.

The rotational direction can be set to go in one direction only or in alternating directions. **Changing the direction of rotation produces the best finish and most even results.** The direction change interval can be set from 0 – 20 minutes. Setting 0 gives constant one direction rotation. Settings 1-20 give alternating direction with the number selected indicating the time in minutes between direction reversals.

Memory The unit features a MEMORY function that will allow you to set a program to be used after the machine is turned off. To set the Memory just enter the desired settings for the Timer, Speed and Direction when the tumbler is not operating but is powered on. Once the variables are set, press the M pad. Press the START pad to run your program. You cannot change the settings and save the new program while the unit is running.

Operation

1. **It is important** to place the unit on a flat, level work surface. Plug the cord into a power outlet.
2. Open the tumbler barrel by turning the handle of the door locking cam vertical and sliding the cam shaft outward to remove it from one of the hinge posts. Remove the lid. Fill the tumbler bowl with 1kg (2.2 lb) of stainless-steel tumbler media.
3. Add workpieces, up to 0.2 kg (.44 lb).
4. Fill the bowl halfway with tumbler compound solution. The recommended tumbler compound solution is a non-foaming soap and water solution such as Elma Clean.



5. Replace the lid and cam shaft and lower the lid locking cam arm down to keep the lid in place.

6. Place the tumbler barrel on the tumbler drive wheels.

7. Turn the Power Switch on and select the run time, speed and direction.

8. Press the M pad to save settings for future use.

9. Press the start pad to run. To pause operation, press the Start pad once. To resume operation, press the Start pad once more. When paused, the display will flash and display the time remaining. If left in pause for more than 10 minutes, the unit will enter a standby mode and the display will blink and display 3 dots. To resume operation press START pad once to exit the standby mode and once more to resume operation.

Troubleshooting

If the tumbler does not turn on:

- Make sure the power cord is plugged in fully.
- Check the fuse. The fuse is in a compartment below the power cord. A spare fuse is also stored in that compartment.
- If these steps do not resolve the problem return the tumbler to the factory for service.



If the rotation speed is abnormal:

- Check the drive rollers and barrel belt for moisture. Dry them if necessary.
- Make sure the barrel is not under or over loaded. Too small of a load will cause excessive vibration. Too large of a load will overload the tumbler and cause excessive wear.

• If these steps do not resolve the problem return the unit to the factory for service.