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## Lortone 3A

# Lortone 3A Single Barrel Rock Tumbler Instruction Manual

Model: 3A (001-092)

## 1. INTRODUCTION

The Lortone Model 3A Single Barrel Rock Tumbler is designed for effective and quiet tumbling of rocks and jewelry. Featuring a durable motor and a hard rubber barrel to minimize noise, this unit provides reliable performance for various tumbling applications. This manual provides essential information for the safe setup, operation, and maintenance of your tumbler.

## 2. SAFETY INFORMATION

- **Electrical Safety:** Ensure the tumbler is connected to a properly grounded electrical outlet. Do not operate with damaged cords or plugs.
- **Heat Warning:** The motor area of the tumbler can become hot during continuous operation. Avoid prolonged direct contact with the motor housing.
- **Supervision:** This product is recommended for users aged 10 years and up. Adult supervision is advised for younger users.
- **Barrel Care:** The barrel should be hand washed only. Do not place it in a dishwasher.
- **Material Compatibility:** Avoid tumbling soft stones like amber, as they may be damaged. Jewelry with pearls and crystals can typically be tumbled safely, but always test with a small batch first.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### 3. PACKAGE CONTENTS

Verify that all components are present upon unpacking:

- Lortone 3A Tumbler Base Unit
- Hard Rubber Barrel (48 Ounces / 3 lb capacity)
- Barrel Lid Assembly
- One (1) Replacement Drive Belt

### 4. SETUP

1. **Placement:** Position the tumbler on a stable, level surface away from direct sunlight, heat sources, and areas with excessive dust or moisture. Ensure adequate ventilation around the unit.
2. **Power Connection:** Plug the tumbler's power cord into a standard electrical outlet. The unit is UL approved.
3. **Barrel Assembly:** If the barrel components are separate, ensure the lid is properly seated and secured onto the hard rubber barrel.



Image 4.1: Disassembled Lortone 3A tumbler components.



Image 4.2: Assembled barrel ready for placement on the tumbler base.

## 5. OPERATION

1. **Loading the Barrel:** Fill the hard rubber barrel with your chosen material (rocks or jewelry). Add the appropriate abrasive grit and enough water to cover the contents. Do not overfill the barrel; leave some space for tumbling action.



Image 5.1: Barrel filled with material for tumbling.

2. **Securing the Lid:** Ensure the barrel lid is tightly sealed to prevent leaks during operation.
3. **Placing the Barrel:** Carefully place the loaded and sealed barrel onto the tumbler's rollers. Ensure it sits securely and can rotate freely.



Image 5.2: Lortone 3A tumbler with barrel correctly positioned.

4. **Starting the Tumbler:** The tumbler begins operation immediately upon being plugged into a power outlet. There are no additional switches.
5. **Tumbling Duration:** Rock tumbling typically involves multiple stages, with each stage lasting approximately one week. Refer to your specific grit instructions for recommended durations.
6. **Unloading and Cleaning:** After the tumbling cycle, unplug the unit. Carefully remove the barrel, open it, and empty the contents into a sifter or colander. Rinse the material and the barrel thoroughly.

## 6. MAINTENANCE

- **Cleaning:** Regularly clean the exterior of the tumbler and the barrel. The barrel should be hand washed.
- **Lubrication:** Apply a drop of oil to the roller bar bushings approximately once every one to two months to ensure smooth operation.
- **Belt Replacement:** The tumbler comes with an extra drive belt. If the existing belt wears out or breaks, replace it with the spare.

## 7. TROUBLESHOOTING

- **Tumbler Not Operating:** Ensure the power cord is securely plugged into a functional outlet. Check the drive belt for proper placement and condition.
- **Barrel Not Tumbling Effectively:** If the contents are merely swishing instead of tumbling, check the fill level of the barrel. It may be too full or too empty. Ensure the barrel is properly seated on the rollers.
- **Excessive Noise:** While the Lortone 3A is designed for quiet operation, unusual or excessive noise may indicate a worn belt or a need for lubrication of the roller bar bushings.
- **Motor Runs Hot:** It is normal for the motor area to become warm during continuous use. If it becomes excessively hot or emits smoke/unusual odors, unplug the unit immediately and discontinue use.
- **Frame Stability:** The aluminum frame is designed to be lightweight. Exercise care when handling the unit, especially if the top cover is removed, to avoid bending the frame.

## 8. SPECIFICATIONS

- **Model:** 3A (001-092)
- **Barrel Capacity:** 3 lbs (48 ounces)
- **Tumbler Dimensions:** 9.25 inches (W) x 5.75 inches (D) x 2.5 inches (H)
- **Barrel Dimensions:** 4.75 inches (H) x 4.5 inches (Diameter)
- **Unit Weight:** Approximately 5 lbs
- **Material:** Hard rubber barrel, durable motor
- **Safety Certification:** UL Approved
- **Recommended Age:** 10 years and up

## 9. WARRANTY AND SUPPORT

The Lortone 3A Single Barrel Rock Tumbler comes with a **one-year warranty** from the date of purchase. For warranty claims, technical assistance, or replacement parts, please contact your retailer or the manufacturer directly. Keep your proof of purchase for warranty validation.