

[Manuals.plus](#) /

› [Blue Marble](#) /

› National Geographic Starter Rock Tumbler Kit (Model NGTUMBLER2) Instruction Manual

Blue Marble NGTUMBLER2

National Geographic Starter Rock Tumbler Kit (Model NGTUMBLER2) Instruction Manual

Model: NGTUMBLER2

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your National Geographic Starter Rock Tumbler Kit. This kit is designed to transform rough rocks into polished gemstones through a multi-stage tumbling process. Please read all instructions carefully before beginning.

SAFETY INFORMATION

WARNING: CHOKING HAZARD - Small parts. Not suitable for children under 3 years.

- Always supervise children during operation.
- Keep all grit and small parts away from young children.
- Do not ingest any components of the kit, including rocks or polishing grit.
- Ensure the tumbler is placed on a stable, level surface away from edges.
- Do not immerse the motor base in water.
- Unplug the unit before cleaning or performing any maintenance.

WHAT'S INCLUDED

Your National Geographic Starter Rock Tumbler Kit includes the following components:

- Rock Tumbler Base
- Leak-proof, Rubber-lined Tumbler Barrel
- Approximately ½ Pound of Rough Stones (9 different types)
- Four Levels of Polishing Grit (Coarse, Medium, Fine, Polish)
- 5 Jewelry Fastenings (Necklace, Key chain, Ring, Two clip-on earring fastenings)
- Learning Guide

EVERYTHING YOU NEED



LEARNING
GUIDE



POLISHING GRITS



ROUGH GEM
ASSORTMENT



TUMBLER WITH 1LB BARREL



ROCK STRAINER



JEWELRY SETTINGS

Image: All components included in the kit, such as the tumbler, rough gemstones, four packets of polishing grit, a rock strainer, and various jewelry fastenings.

SETUP INSTRUCTIONS

Follow these steps to set up your rock tumbler for its first use:

1. **Unpack Components:** Carefully remove all items from the packaging and ensure all listed components are present.
2. **Position the Tumbler:** Place the rock tumbler base on a stable, flat surface. Consider a location where the low hum of the motor will not be disruptive, such as a garage or basement.
3. **Prepare Rocks:** Select rough rocks for the first tumbling cycle. Ensure they are clean of any loose dirt.
4. **Load the Barrel:**
 - Add the rough rocks to the rubber-lined tumbler barrel.
 - Add the appropriate amount of **Stage 1 Coarse Grit** (refer to the learning guide for specific measurements based on rock quantity).
 - Add water to the barrel until it just covers the rocks and grit. Do not overfill.

5. **Seal the Barrel:** Securely close the leak-proof barrel lid. Ensure it is tightly sealed to prevent leaks during operation.
6. **Place on Base:** Place the loaded barrel onto the tumbler base, ensuring it sits correctly on the rollers.
7. **Connect Power:** Plug the power adapter into the tumbler base and then into a standard electrical outlet.
8. **Start Tumbling:** The tumbler will begin rotating the barrel. Allow it to run for the recommended duration for Stage 1 (typically 7-10 days).

TUMBLING MADE EASY

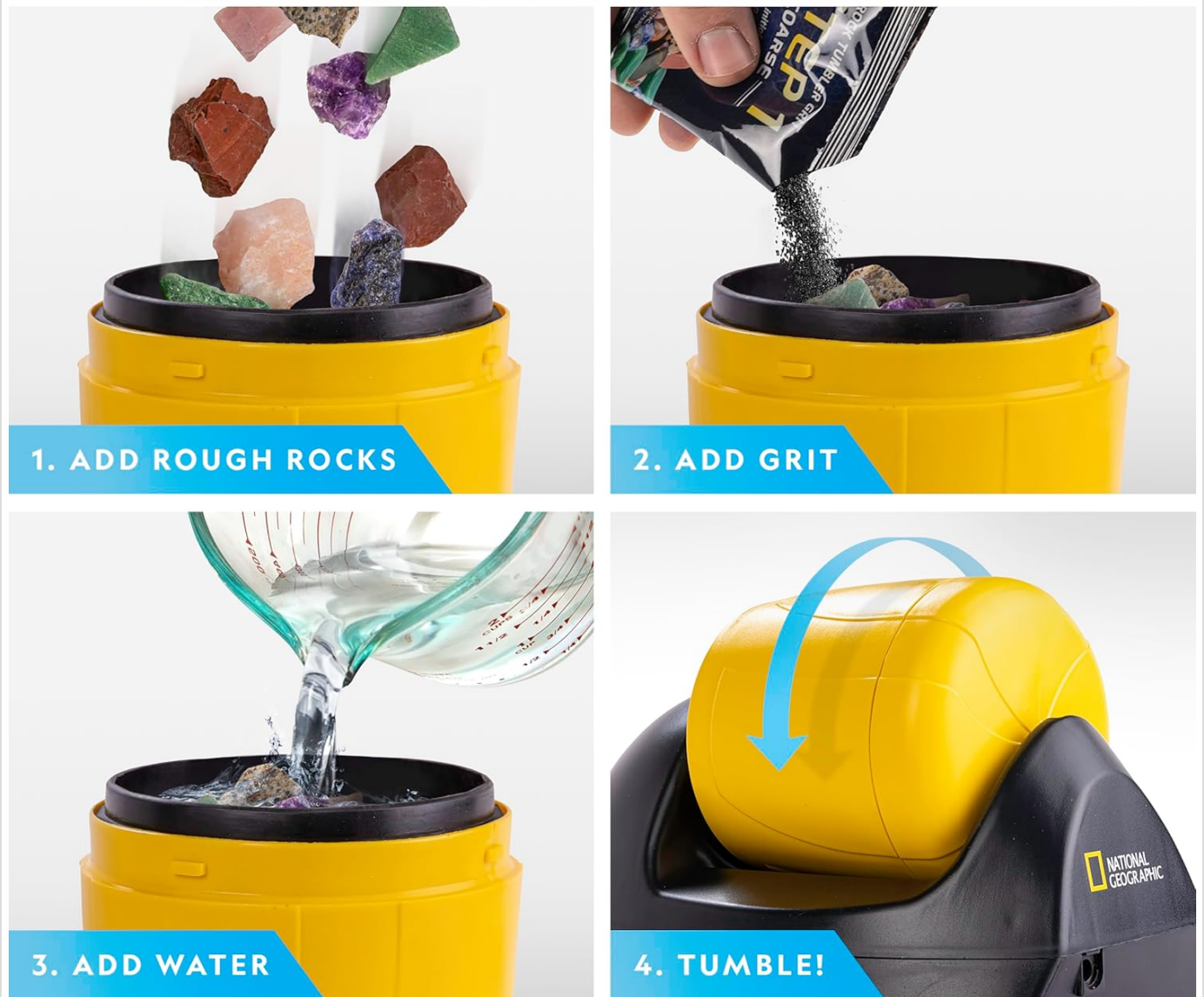


Image: Visual guide for the initial setup steps: adding rocks, grit, and water to the barrel, then placing it on the tumbler base.

OPERATING INSTRUCTIONS: THE TUMBLING PROCESS

The rock tumbling process involves four distinct stages, each using a different grit to progressively smooth and polish your rocks. Each stage typically lasts 7-10 days. Always clean the barrel and rocks thoroughly between stages to prevent cross-contamination of grits.

1. Stage 1: Coarse Grit (7-10 Days)

- Use the **Stage 1 Coarse Grit**.

- This stage is for shaping and smoothing rough edges.
- After 7-10 days, unplug the tumbler. Carefully open the barrel and empty its contents into a strainer. Rinse the rocks and the barrel thoroughly under running water. **Do not drain grit into household plumbing as it can cause clogs.** Dispose of used grit responsibly.
- Inspect rocks. If they still have significant rough spots, repeat Stage 1 with fresh coarse grit.

2. Stage 2: Medium Grit (7-10 Days)

- Load the cleaned rocks back into the barrel.
- Add the **Stage 2 Medium Grit** and water (just covering rocks and grit).
- Seal the barrel and tumble for 7-10 days.
- Clean rocks and barrel as described in Stage 1.

3. Stage 3: Fine Grit (7-10 Days)

- Load the cleaned rocks back into the barrel.
- Add the **Stage 3 Fine Grit** and water.
- Seal the barrel and tumble for 7-10 days.
- Clean rocks and barrel as described in Stage 1.

4. Stage 4: Polish (7-10 Days)

- Load the cleaned rocks back into the barrel. Ensure the barrel is exceptionally clean, as any residual coarse grit can scratch the rocks.
- Add the **Stage 4 Polish** and water.
- Seal the barrel and tumble for 7-10 days.
- After this stage, your rocks should have a smooth, polished finish. For an enhanced shine, you may apply a small amount of mineral oil to the finished stones.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your rock tumbler.

- **Barrel Cleaning:** Always rinse the rubber-lined barrel thoroughly between each tumbling stage. Residual grit from previous stages can contaminate the next stage and prevent proper polishing. Use a brush to remove any lodged grit.
- **Barrel Seal:** The barrel is designed to be leak-proof. Ensure the lid is always securely fastened. If you notice any leaks, check the rubber gasket for damage or proper seating.
- **Motor Base:** Keep the motor base clean and dry. Wipe it with a damp cloth if necessary, but never submerge it in water.
- **Noise Reduction:** The rubber-lined barrel helps reduce noise. If the tumbler becomes excessively loud, ensure it is on a stable surface and that the barrel is properly seated on the rollers.
- **Opening the Barrel:** The barrel lid can sometimes be difficult to open due to the tight seal. If you encounter difficulty, try twisting firmly or using a jar opener for leverage.

4X QUIETER WITH UPGRADED RUBBER-LINED BARREL



TIRE RUBBER
ABSORBS SOUND



Image: The rubber-lined barrel design, which contributes to quieter operation during the tumbling process.

BUILT TO LAST



Image: The durable construction of the tumbler, featuring a leak-proof barrel and a sturdy base for reliable operation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tumbler is not turning.	Not plugged in; power outage; motor issue.	Check power connection. Ensure outlet is functional. If still not working, contact customer support.
Barrel is leaking.	Lid not sealed properly; damaged gasket.	Ensure lid is tightly secured. Inspect the rubber gasket for tears or misalignment and adjust if necessary.
Rocks are not polishing.	Insufficient tumbling time; incorrect grit usage; cross-contamination of grits.	Ensure each stage runs for the recommended duration. Verify correct grit is used for each stage. Thoroughly clean barrel and rocks between stages.

Problem	Possible Cause	Solution
Tumbler is too loud.	Unstable surface; barrel not seated correctly; normal operating noise.	Place tumbler on a stable, level surface. Ensure barrel is properly aligned on rollers. Some noise is normal due to the tumbling process; consider placing it in a less frequented area.
Barrel lid is difficult to open.	Tight seal; grit buildup around the rim.	Apply firm, even pressure while twisting. A jar opener or rubber grip may assist. Clean the rim and lid thoroughly after each use to prevent grit buildup.

JEWELRY MAKING

Once your gemstones are polished, you can use the included jewelry fastenings to create custom pieces. The kit includes components for a necklace, a key chain, a ring, and two clip-on earrings.

- **Necklace/Key Chain:** Insert a polished stone into the spiral cage and attach it to the provided necklace cord or key chain ring.
- **Ring:** Select a small, polished stone and secure it into the adjustable ring base.
- **Earrings:** Choose two matching polished stones and attach them to the clip-on earring fastenings.

ENDLESS POSSIBILITIES

FIVE JEWELRY SETTINGS INCLUDED



Image: Examples of polished gemstones transformed into jewelry using the included fastenings, such as a necklace, keychain, and ring.

SPECIFICATIONS

Feature	Detail
Brand	Blue Marble
Model Name	Complete Rock Tumbling Hobby Kit
Model Number	NGTUMBLER2
UPC	816448020391
Age Range (Description)	8 years and up

Feature	Detail
Item Dimensions (L x W x H)	10.98 x 5.2 x 12 inches
Item Weight	1.9 kg
Material Type	Rubber (barrel lining)
Additional Features	Spill-Proof, Leak-proof, Rubber-lined Tumbler Barrel
Included Components	Rock Tumbler, Tumbler Barrel, ½ Pound of Stones, Four Levels of Grit, 5 Jewelry Fastenings

WARRANTY AND SUPPORT

Blue Marble is committed to providing high-quality products backed by exceptional service. For any questions, concerns, or support needs regarding your National Geographic Starter Rock Tumbler Kit, please contact our U.S. support team. Refer to the product packaging or the official Blue Marble website for current contact information.

Warranty Description: We're proud to make the highest quality products which are backed by exceptional service.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

