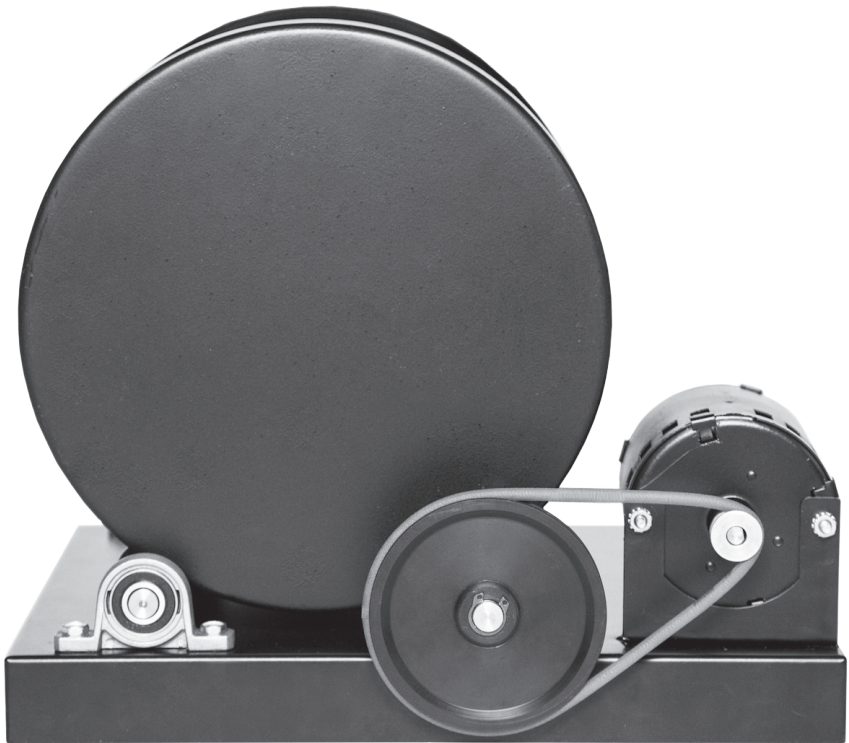


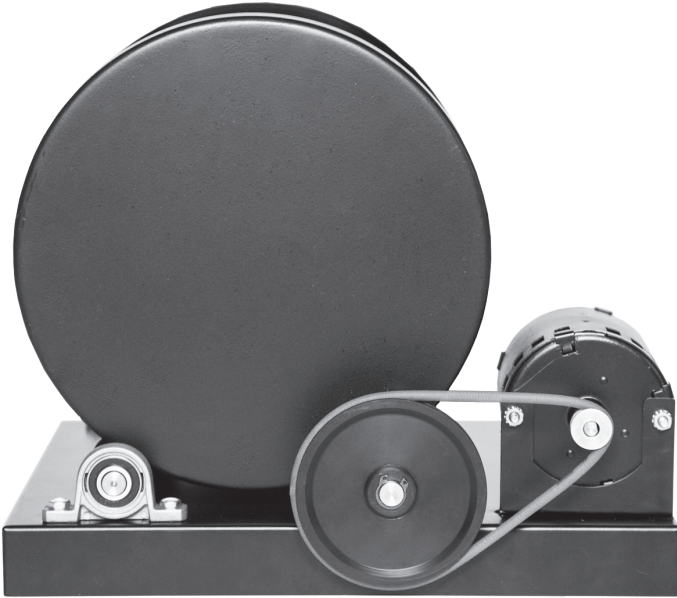
# INSTRUCTIONS

ASSEMBLY • SAFETY • USE



## REBEL17

EXTREME<sup>®</sup>  
TUMBLERS



**Congratulations on purchasing your Extreme Tumbler. Tumbling is the best way to polish gem stones, clean and polish jewelry and brass casings for ammo reloading.**

To start tumbling place your Extreme Tumbler on a level and firm surface. **(DO NOT PLACE ON WORK BENCH OR TABLE AS THE SLIGHT VIBRATIONS CAN CAUSE TUMBLER TO WALK OFF THE TABLE OVER TIME)**. Use a protective tray or pan underneath it and make sure there is plenty of clearance around the base of the tumbler. Consider placing your tumbler in an area that is out of the way as most tumbling sessions requires between several hours up to days of operation depending on the contents of your tumbler. There is also the sound of rolling rocks to consider as you set up your tumbler in an appropriate place.

Periodically check your tumbler during operation to ensure it is running correctly. To avoid built up air pressure tumblers with metal drums should be opened daily to release gases.

# IMPORTANT SAFETY INSTRUCTIONS

AS WITH ALL ELECTRIC DEVICES, PRECAUTIONS SHOULD BE OBSERVED DURING HANDLING AND USE TO PREVENT ELECTRIC SHOCK.

1. READ ALL INSTRUCTIONS.
2. KEEP WORK AREA CLEAR AND CLEAN.
3. DO NOT COVER TUMBLER WITH ANYTHING.
4. DISCONNECT TUMBLER BEFORE SERVICING.
5. DO NOT USE IN DAMP LOCATION OR EXPOSE TO RAIN.
6. DO NOT ALLOW CORD TO HANG OVER TABLE OR BENCH.
7. DO NOT USE IF CORD OR PLUG IS DAMAGED.
8. DO NOT ALLOW CORD TO COME IN CONTACT WITH ELECTRIC OR GAS BURNERS.
9. DO NOT TOUCH HOT SURFACES.
10. DO NOT LEAVE UNATTENDED WITH SMALL CHILDREN IN AREA.
11. DO NOT OPERATE ON WORKBENCH OR TABLE.

SAVE THESE INSTRUCTIONS

**CAUTION ELECTRIC SHOCK:** ELECTRONICALLY OPERATED PRODUCT. NOT RECOMMENDED FOR CHILDREN UNDER 12 YEARS OF AGE. AS WITH ALL ELECTRIC PRODUCTS PRECAUTIONS SHOULD BE OBSERVED DURING HANDLING AND USE TO PREVENT ELECTRIC SHOCK.

**CAUTION:** DO NOT PLACE ON WORK BENCH OR TABLE AS THE SLIGHT VIBRATIONS CAN CAUSE TUMBLER TO WALK OFF THE TABLE OVER TIME

# ASSEMBLY INSTRUCTIONS

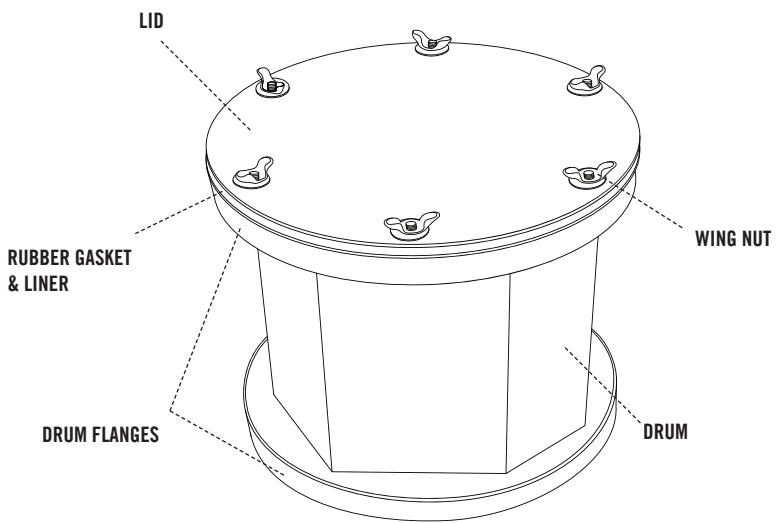
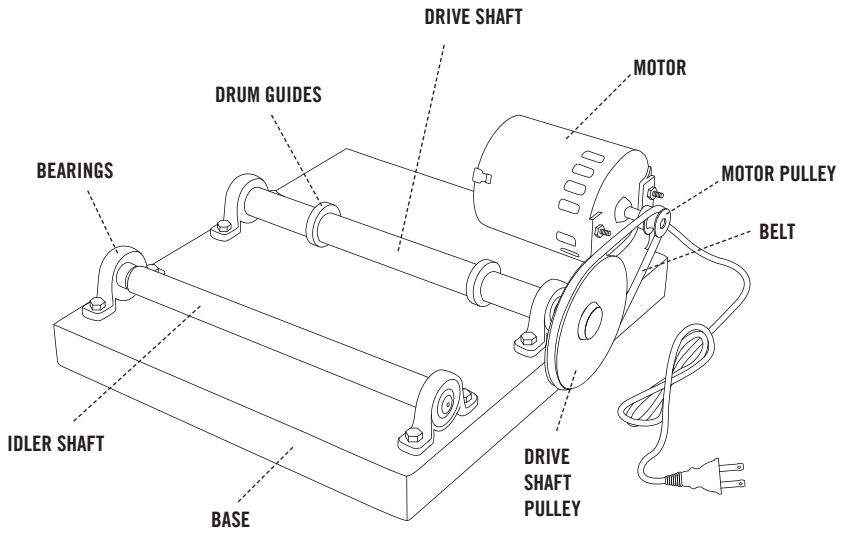
## *for* **REBEL 17** MODEL

1. **Unboxing:** Remove motor and bag of hardware from the inside of the barrel.
2. **Motor:** With cord on down side, attach motor to the mounting bracket on tumbler base using nuts provided. Tighten nuts securely (ensure motor is flush with mounting brackets).
3. **Pulley:** Place belt around motor pulley and drive shaft pulley. Check to see that pulleys are aligned parallel to each other. To adjust pulley alignment, loosen set screw on motor pulley. Be sure to re-tighten when adjustment has been made.
4. **Pre-start Inspection:** Check to see that shafts are free-rolling. Check all nuts, bearings, screws, snap-rings, and knobs to make sure they are properly tightened and in the correct position.
5. **Drum:** When sealing drum lid, hand tighten wing nuts or knobs opposite of each other until snug. Do not over tighten. When mounting drum onto the base confirm drum guides are centered between the drum flanges. Do not start motor unless the drum is properly mounted on the base.

**IMPORTANT:** MAKE SURE THE DRUM IS CENTERED BETWEEN BOTH GUIDES BEFORE RUNNING THE TUMBLER.

**IMPORTANT:** ON STARTUP YOU MAY BE REQUIRED TO ASSIST THE BARREL TO INITIATE ROTATION. FAILING TO ASSIST BARREL ON STARTUP MAY CAUSE MOTOR TO OVERLOAD. IF MOTOR OVERLOAD OCCURS IMMEDIATELY UNPLUG THE MOTOR AND ALLOW IT TO COOL BEFORE RESTARTING.

**CAUTION:** DO NOT PLACE ON WORK BENCH OR TABLE AS THE SLIGHT VIBRATIONS CAN CAUSE TUMBLER TO WALK OFF THE TABLE OVER TIME



# DIRECTIONS FOR USE

## Tumbling Rocks

### **Step 1**

Fill drum 60 - 75% full of stones. Pour in package of course media. Add water just below top of stones. Run tumbler with this mixture for at least 7 days, 24 hours a day, or until smooth. Wash stones and drum thoroughly. (Kitchen colander is ideal for washing stones but do not wash into sink drain)

### **Step 2**

Place stones back into drum. Pour in package marked fine. Add water just below top of stones and run tumbler with this mixture for approximately 7 days 24 hours a day, or until rocks are shiny when wet. Wash stones and drum thoroughly.

### **Step 3**

Place stones back into drum. Pour in package marked pre-polish. Add water just below top of stones and run tumbler with this mixture for approximately 3 days 24 hours a day, or until rocks show luster when dry. Wash stones and drum thoroughly.

### **Step 4**

Place stones back into drum. Pour in package marked polish. Add water just below top of stones and run tumbler with this mixture for approximately 7 days 24 hours a day, or until rocks are shiny when wet. Wash stones and drum thoroughly.

### **Clean-Up Stage**

Place stones back into drum. Pour in powdered detergent (*enough to make stiff suds*). Add water just below top of stones. Sawdust or other filler may be added also to cushion rocks during this clean-up stage. Run tumbler with this mixture for overnight. Wash stones and drum thoroughly.

## Tumbling Brass Casings

1. Add 5 pounds (2.3 kg) of stainless steel media into the drum.
2. Fill drum to approximately 1 inch of top with cold water.
3. Add your brass into the drum. Up to 4 pounds (1.8 kg) of brass.
4. Add dish soap. 1-2 tablespoons (15-30 ml) of either Dawn, Ivory, or Joy dish soap (Add more soap if after you tumble there are no bubbles)
5. Add 1/4 Tsp. (1.25 ml) of Lemishine®. This will remove any mineral residue and give the brass a nice shine. (Do not add too much)
6. Tumble 3-4 hours with the Extreme Tumblers Rebel 17 model.

7. Pour out as much water as you can without losing any brass or pins.
8. Fill drum with water clean water, and separate brass by hand or use a media separator with water.
9. As you separate rinse your brass off well with warm water to avoid water spots.
10. Dump brass onto a towel and let dry. Discard any stainless steel media which is lodged in the neck of the brass.
11. Store Stainless Steel Media to reuse over and over again.

## **Maintenance and Care of Your Extreme Tumbler**

1. Before operating your tumbler be sure bearings rotate smoothly. Do not use petroleum-based products in rubber liner of drum or on rubber sleeves.
2. Be sure both roller shafts turn freely. A roller shaft that is stuck may throw barrel off of the base.
3. Do not spill abrasives or use cleaner on bearings or motor. Replace drum lid if there appears any wear.
4. Motor is designed to run hot to touch.
5. Do not use pliers or wrench to tighten wing nuts or knobs on the lid of the drum. Doing so will void the warranty. Always hand tighten wing nuts or knobs. Do not over tighten.
6. All motors are protected by a thermal overload device. If motor overheats, unit will automatically shut off. When this happens, check for bound bearings or overweight; wait for motor to cool and it will restart by itself.
7. To assure long belt life, make sure that motor and drive pulleys are aligned. Pulley alignment can be made by adjusting the motor pulley using the set screw.
8. Every 10-15 uses clean the interior of the drum by running a cleaning cycle with water, media, and 5-6 oz of simple green. Run the cleaning cycle for 1 to 2 hours.
9. The lid gasket may stick or become hard to remove over time. Use Armor All before next tumbling cycle to prevent gasket from sticking.

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**EXTREME<sup>®</sup>**  
**TUMBLERS**

[extremetumblers.com](http://extremetumblers.com)

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