



92710US

Model: KE-1

BALL MILL RACK **MANUAL**



For use with the VL-Whisper, RK-Whisper, RK-10, RK-2

(Please contact Shimpo to see if this will fit other RK models)

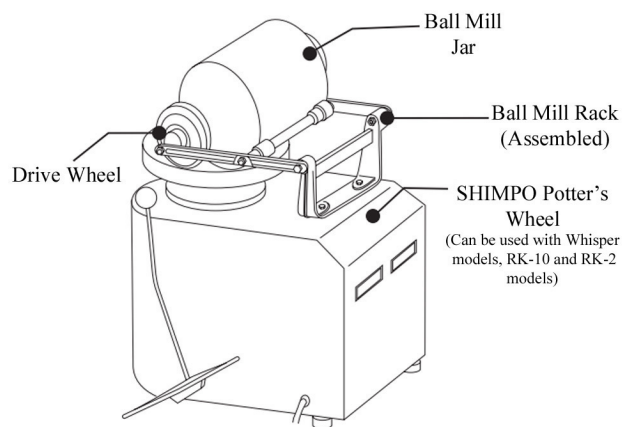
Installation, Operation, Maintenance and Inspection Manual. Be sure to read this manual before operating the unit. Please use the Ball Mill Rack, correctly.

Keep this manual for future reference.

日本電産シンポ株式会社

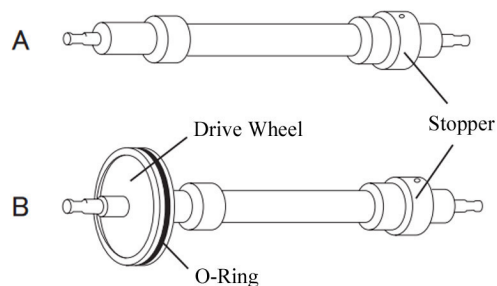
1. Parts Lists • Contents

Part Names

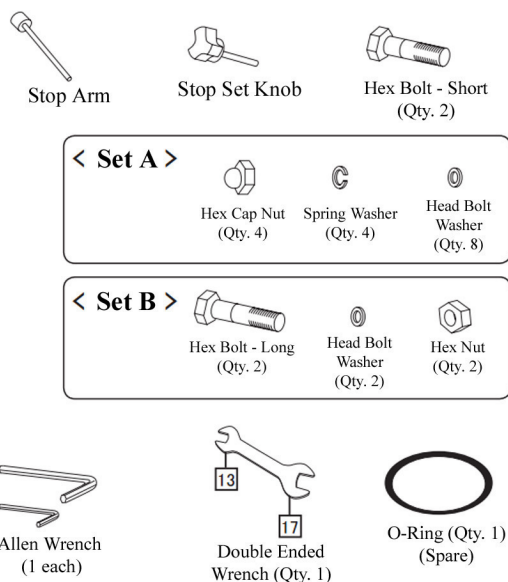


Please Inspect Parts

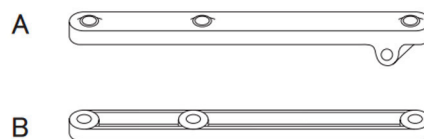
Rollers Arms



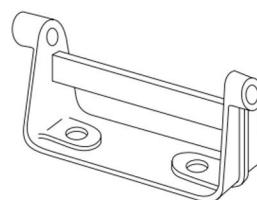
Small Parts and Fasteners



Stabilizer Bars



Mounting Bracket

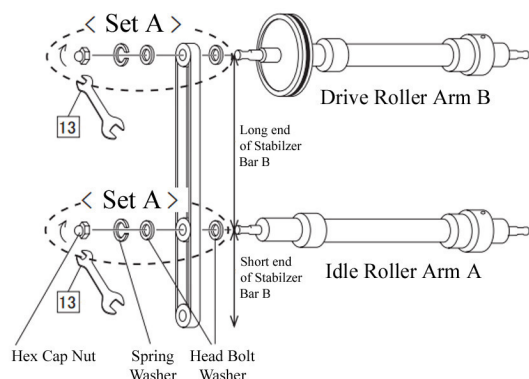


2. Assembly

Assembling the Ball Mill Rack

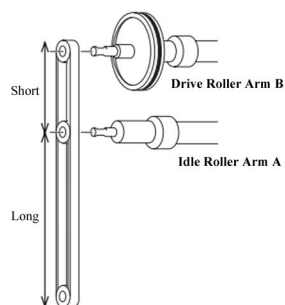
1 Fastening Roller Arms A and B to Stabilizer Bar B

- Use the 13mm end of wrench to fasten.

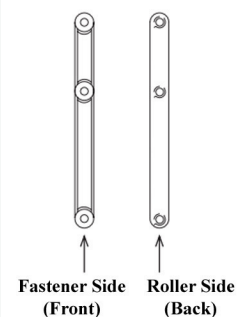


When using a Ball Mill Jar with a small diameter

Mount Roller Arm B to the short end of the Stabilizer Bar



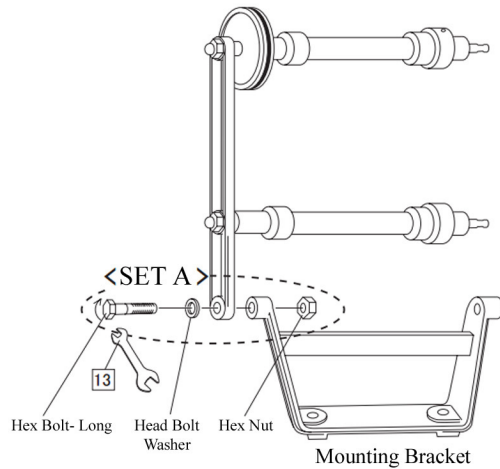
Please note the proper Front and Back orientation of the Stabilizer Bars



✗ Do Not fully install Stabilizer Bar A, as adjustments may need to be made later.

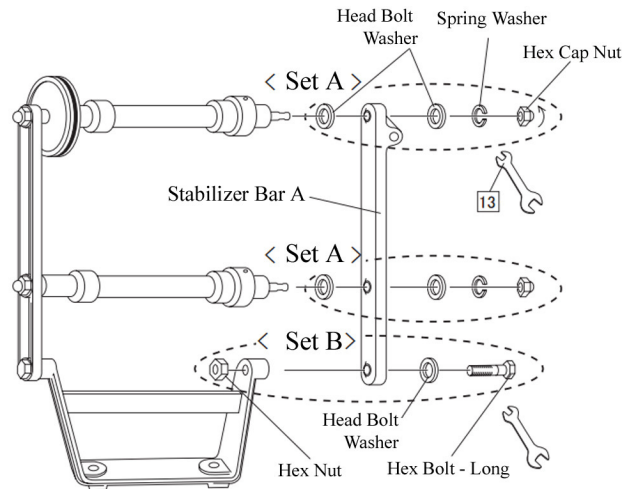
2 Attach the Mounting Bracket to Stabilizer Bar B

- Use the 13mm end of wrench to fasten.



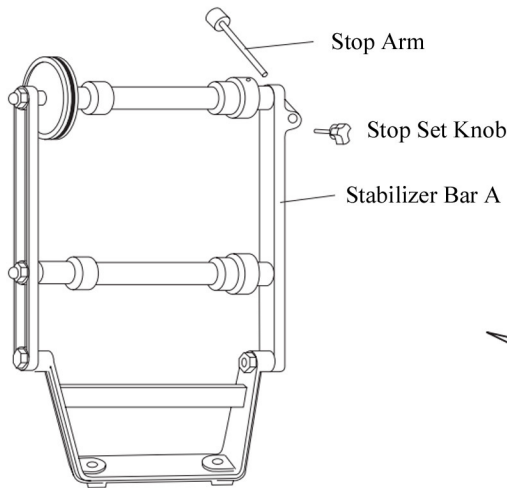
3 Attach Stabilizer Bar A

- Use the 13mm end of wrench to fasten.



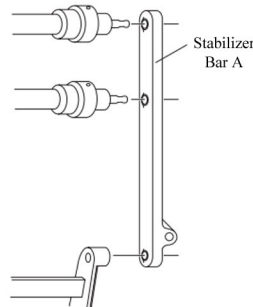
4 Install the Stop Arm into the Stabilizer Bar A.

- Tighten the Stop Set Knob to secure the Stop Arm.



When using a Ball Mill Jar with a small diameter

3 Mount Roller Arms to the short end of the Stabilizer Bar



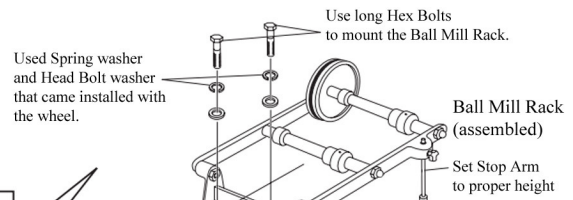
4 Mounting the Stop Arm is not required.

Mounting the Ball Mill Rack to the Potter's Wheel

1 Installing the assembled Ball Mill Rack.

- Remove the 2 Hex Bolts, spring washers and Head bolt washers that come installed on the Potter's Wheel.

Replace the short Hex Bolt with the long Hex Bolts provided. Re-use the existing Spring washers and Hex Head washers that came installed on the wheel.



- Use the 17mm end of the Double Ended Wrench to remove the Hex Bolts.

3. How To Operate

Basic Operation Notes

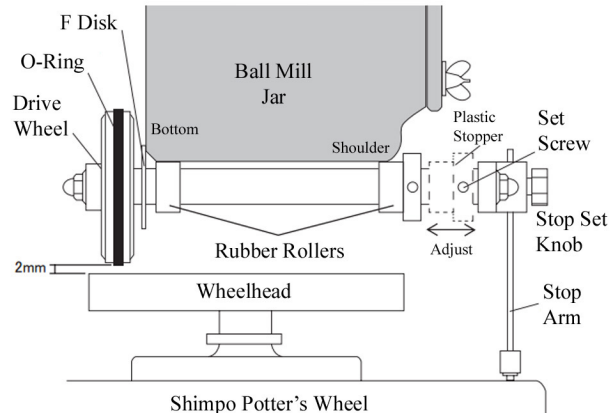
1 Adjusting the height of the Stop Arm

- ① Loosen the Stop Set Knob.
- ② Adjust the Stop Arm height, up or down so the Drive Wheel's O-Ring sits about 2mm above the wheelhead. (Do not have a jar on the rack before setting the height.)

2 Adjusting the Rubber Rollers and Stopper

- ① Place the bottom of the jar against the F-Disk, on the Drive Wheel end of the rack.
- ② When placing the Ball Mill jar on the rack, make sure the O-Ring makes contact with the wheelhead. If it does not, re-adjust the height of the Stop Arm.
- ③ Adjust the Rubber Rollers to be seated by the bottom and shoulder of the jar.
- ④ Using the Allen Wrench to loosen the set screw, position the Plastic Stopper up against the shoulder of the jar. Then tighten the set screw.

The O-Ring, F-Disk, and Rubber Rollers are consumable parts and will need to be replaced over time. Contact your Authorized SHIMPO dealer for replacement parts.



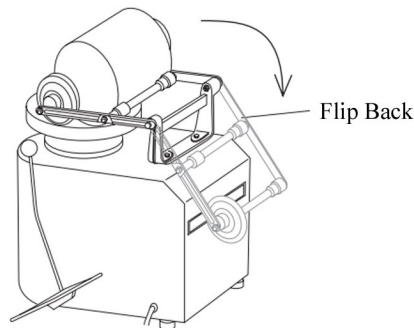
3 Running the Ball Mill Rack

- Use the potter's wheel to drive the Ball Mill Rack. The potter's wheel can be run either forward or reverse. (Clockwise / Counter-clockwise)

For Use with Ball Mill Jars:	1L ~ 3L
Max Mass:	20kg
Diameter:	90 ~ 210mm
Max Height (Length):	260mm

Using the wheel while the Ball Mill Rack is still mounted

- **NOTE:** Remove the Ball Mill Jar from the Rack before flipping the Rack back.
- Flip the Ball Mill Rack back to use the wheel.
- Not all splashpans can be used while the Ball Mill Rack is mounted but flipped back.



4. Maintenance

Replacing the O-Ring

Replace the O-Ring if it becomes too worn out or cracked over time.

- 1 Loosen < SET A > from Stabilizer Bar B, to release Roller Arm B.
 - This is the reverse of Section 2., Assembly, Part 1.
- 2 Remove the old O-Ring and slip on the replacement ring.
- 3 Reattach Roller Arm B to Stabilizer Bar B.
 - Repeat the steps in Section 2., Assembly, Part 1.

Contact an Authorized Shimpo Dealer for a replacement O-Ring or any other parts regarding your Ball Mill Rack.

O-Ring Part US Number: RORPA000110
P-110 (Japan)

Disposal

- Contact your local municipality for the proper disposal of this unit.