

## CAUTIONS

- ❑ It is not safe to operate electrical equipment around water if it is not grounded.
- ❑ Set Ball Mill on an even floor.
- ❑ Position idle shaft according to the size of the diameter of Pot.
- ❑ Do not touch the rotating parts; drive shaft, idle shaft, pulley, & etc. during operation.
- ❑ When the unit is switched to off and not in use, unplug the unit from the power source.
- ❑ Do not wash POTMILL with water. Clear all dirt with cloth when finishing operation.
- ❑ Do not damage the power supply cord. If the cord is damaged, please contact the dealer to exchange.

## 1 TOOLS INCLUDED

Allen wrench 4 mm 1 piece

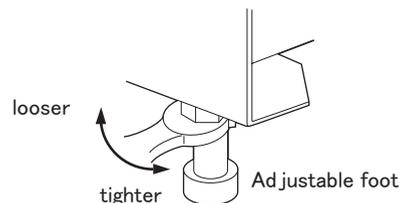


## 2 INSTALLATION

The Ball Mill should be leveled. If it is not leveled, the jar may fall off the ball mill during the operation.

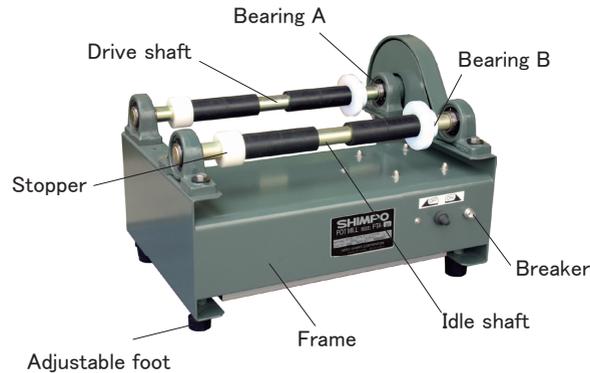
-The front left leg is an adjustable leg and can be adjusted as follows,

1. Loosen hexagon nut with spanner (19mm).
2. Turn the adjustable leg and set the height.
3. Fasten the hexagon nut when the height is horizontalized.

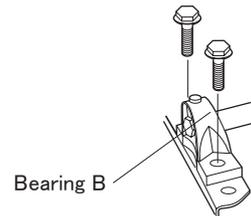


## 3 HOW TO ADJUST THE DRIVE SHAFT

Adjust the drive shaft according to the size and diameter of the jar by following these procedures.

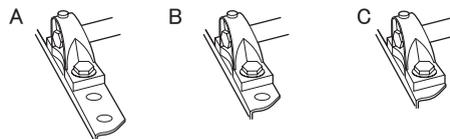


- 1) With an open-end wrench (13mm), remove 4 hex. head bolts as shown in the Fig.



- 2) Adjust the drive shaft bars according to the size of the jar being used. See the following table for sizes and distances between the two shafts.

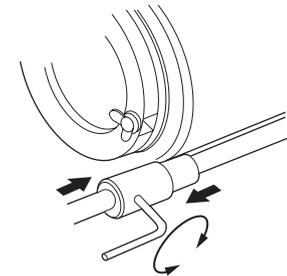
Jar size	Distances between shafts
1 & 2 Liter	A
2, 3 & 5 Liter	B
5 & 10 Liter	C



## HOW TO ADJUST THE STOPPER

- Place the jar on the rollers and adjust stopper.

1. Adjust the stoppers according to the size(s) of the jar being used. With the allen wrench, loosen the set screws of the two stoppers (these can be found in the mid-section of the two shafts). Move the stoppers on the same shafts so that the stopper comes to the bottom of the pot and firmly fasten the setscrew again. Move the rubber rollers to the stoppers.



Note :

When finished with the adjustment of the shaft and stoppers, turn the jar by hand to confirm smooth turning on the ball mill.

NOW THAT PREPARATION IS COMPLETED, SWITCH ON TO OPERATE THE BALL MILL MACHINE.

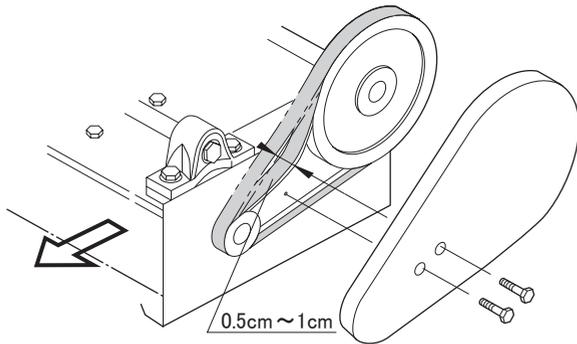
WHEN THE BALL MILL MACHINE IS NOT IN USE, SWITCH OFF AND PULL OUT PLUG.

## 4 BELT TENSION ADJUSTMENT AND REPLACEMENT OF BELT

Check following points to decide whether to adjust or replace belt.

- 1) Switch OFF and pull out plug. Remove belt cover by removing 2 hex. head bolts (13mm) with a open end wrench
- 2) Push belt in the bid section between pulleys to measure loosens of belt.

- Looseness is about 10 mm, tighten belt
- Looseness is within 5 mm, loosen belt
- Looseness is over 10 mm, tighten belt, or replace belt with the new one.

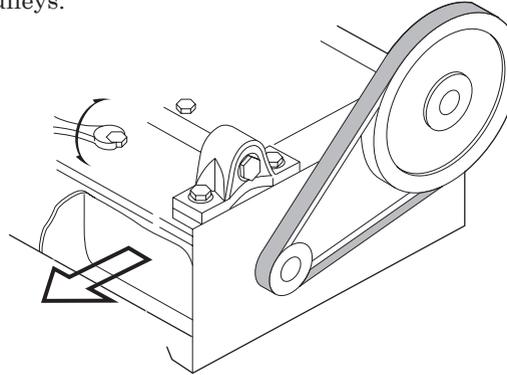


### ■ABOUT THE BREAKER

If jar (s) is/are too heavy, the breaker will activate automatically. If this happens, turn off the power supply and remove the jar, then push the breaker all the way.

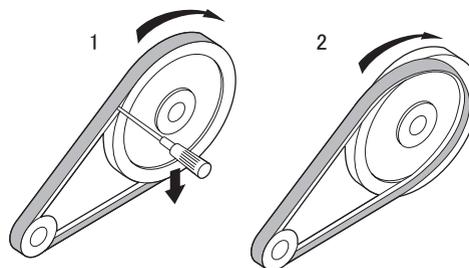
## 5 HOW TO ADJUST THE BELT TENSION

With the open-end wrench 10mm, loosen 4 motor fixing bolts and move motor toward the arrow marked direction to increase the tension of the belt. Keep the looseness of belt between 0.5 mm and 1.0 mm when pushing belt in the mid. section between pulleys.



## 6 HOW TO REPLACE THE BELT (use V-belt #M32)

- 1) With the screw driver, remove belt from larger pulley first.
- 2) Assemble belt in reverse sequence starting to place new belt #M32 from the smaller pulley first. Adjust to keep the looseness between 0.5 - 1.0 mm Measure the looseness by pushing the belt in the middle of the two pulleys.



## BALLMILL

# MODEL PTA-01/02

## INSTRUCTION MANUAL



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