

# SHIMPO west

## POTTER'S WHEEL RK-1X CLASSIC

### INSTRUCTION MANUAL



### IMPORTANT CHECK POINTS

#### PREPARATION

- ☆ Remove Motor-stabilizing bracket (Red bolts, Nut, Washer & Pipe) from bottom portion of the bodycasing.
- ☆ Attach foot pedal to flange on the side of the bodycasing.

#### SAFETY PRECAUTIONS

- ☆ Do not plug into multiple socket!
- ☆ Turn to "OFF" position and unplug unit before cleaning, inspecting and after operating.

#### OPERATION

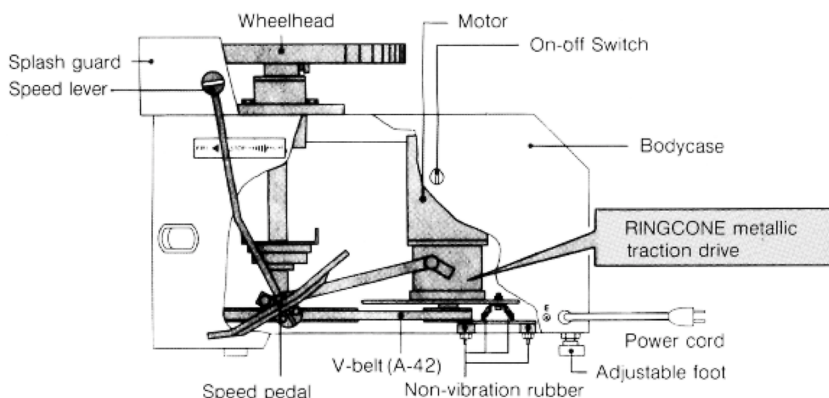
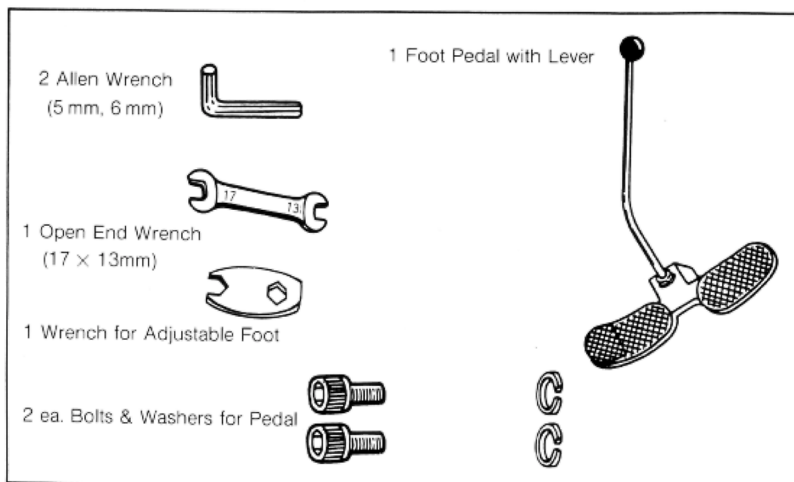
- ☆ Place wheel on level ground.
- ☆ Prevent rocking by using adjustable foot.

#### CAUTIONS



Do not use wheelhead to move potter's wheel as the precision centering of the wheelhead may be damaged.

## WITH THIS WHEEL YOU SHOULD HAVE RECEIVED:



### SPECIFICATIONS

METALLIC TRACTION DRIVE has made possible a potter's wheel with :

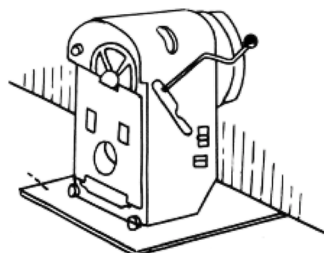
- Remarkably Strong Power
- Smooth & Quiet Operation
- Wide Speed Range
- Maintenance Free
- Traction Drive of Special Metal Ring & Cones which Transmit Power through Special Lubricant Oil Film.

#### A. Detailed Specifications :

Motor : 300W (1/2.5 HP), 115V, 60Hz, Single Phase  
Speed Control Mechanism : "RINGCONE" Traction Drive  
Speed Control/Clutch Operation : Lever/Pedal Control  
Wheelhead Speed : 60Hz, 0-200RPM  
Direction of Wheelhead : Clockwise & Counter-clockwise by Changing Switch  
Wheelhead Diameter : 16"  
Wheelhead Material : Light Alloy Casting  
Free Turning of Wheelhead : Possible by Engaging Clutch  
Dimensions : 29"L x 21"W x 20"H  
Weight : 188 lbs.

#### B. Other Specifications :

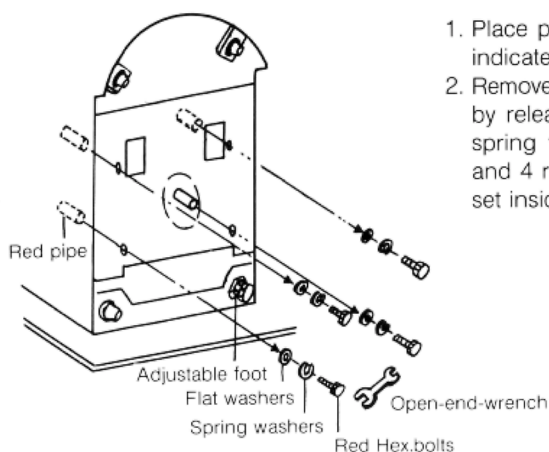
Powerful, non-vibration traction drive has been built into the potter's wheel so large pieces and porcelain ware can be easily thrown.  
Easy-to-turn wheelhead can be used as a free-turning banding wheel.  
When lever is pulled to C-position, clutch is disengaged and the wheelhead turns freely by hand. This is ideal for centering, patting, coiling, trimming and painting.



### **INSTALLATION**

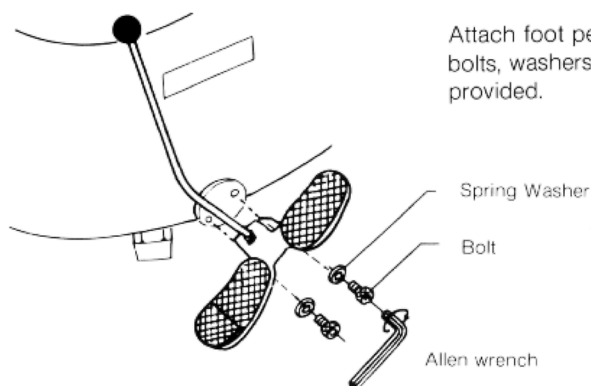
For installation preparation or repair, turn wheel on side and place on soft material against wall (for safety).

## A REMOVE MOTOR STABILIZING BRACKET



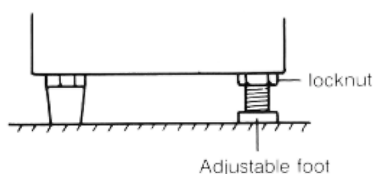
1. Place potter's wheel on side as indicated above.
2. Remove motor stabilizing bracket by releasing 4 red hex bolts, 4 spring washers, 4 flat washers and 4 red pipes. Remove pipes set inside of bodycase.

## B ASSEMBLE PEDAL



Attach foot pedal to flange with bolts, washers and allen wrench provided.

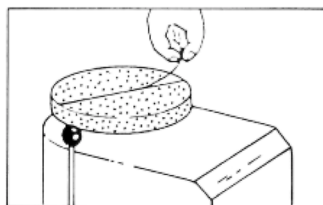
## C LEVELING



For best results, potter's wheel should be leveled.

1. Place wheel on level ground.
2. Loosen locknut on adjustable foot .
3. Turn screw until potter's wheel is leveled .
4. Tighten locknut .

## D REMOVE COATING

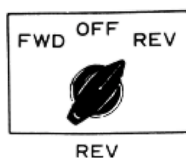
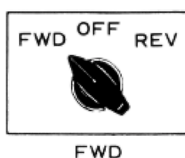
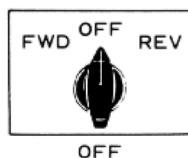


To remove plastic coating on wheel-head, pull off string running across middle of wheelhead and peel away plastic.

## **E OPERATION**

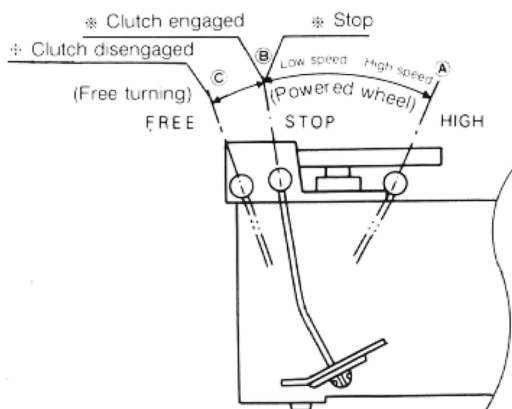
### General

1. Plug in firmly
2. Turn switch to:  
FWD : Wheelhead is rotating in counter-clockwise  
REV : Wheelhead is rotating in clockwise direction  
OFF : Motor is off.



- Note: 1) Do not change rotating direction while motor is running. Change after motor has come to a complete stop (approx. 30 seconds after switch has been turned to OFF).
- 2) RK-1X CLASSIC is adjusted so wheelhead stops completely when in STOP position. Move control lever/pedal to FREE position to activate clutch and allow wheelhead to turn freely. To stop, hold wheel still with hands.
3. Do not use wheelhead to move potter's wheel as precision centering of wheelhead may be damaged.

## **F CONTROL LEVER/PEDAL OPERATION & WHEELHEAD SPEED**



1. When control lever/clutch is moved from A-position to B-position, wheelhead will stop.
2. When control lever/pedal is at C-position, clutch is disengaged and wheelhead turns freely by hand.
3. When control lever/pedal is between A and B positions, motor will turn the wheel to the speed that you select.

Note: 1. Control lever/pedal must be moved slowly.

When moving from A-position to C-position or from C-position to A-position, start from B-position and slowly move control lever/pedal to desired A or C-position.

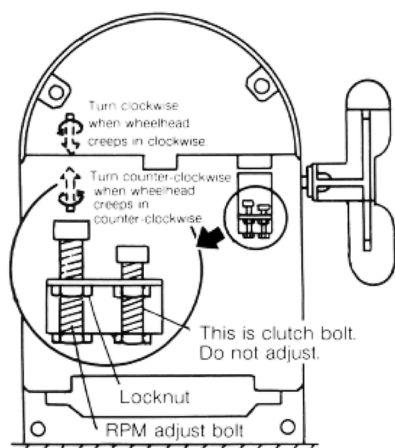
2. Before engaging clutch at C-position, hold wheelhead so it will not turn.
3. Do not operate the control lever/pedal if motor is not running.

**G WHEN WORK IS FINISHED, ... turn switch to "OFF" position and unplug power cord.**

## **M MAINTENANCE & ADJUSTMENT**

- Note : 1. Turn switch to "OFF" position and unplug cord.  
2. Use dry cloth (not water) to wipe outside or inside of unit.  
3. Do not adjust or repair any part of mechanical section unless otherwise specified below. Any unauthorized attempt may cause damage and void warranty.

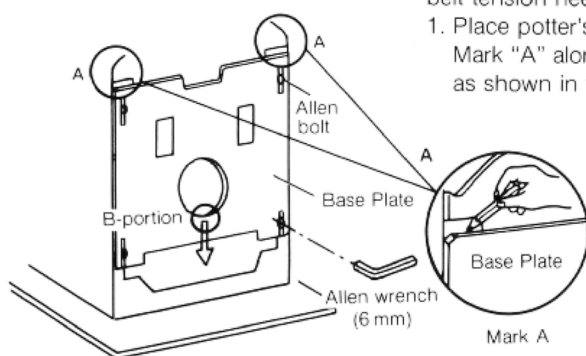
### **A. ZERO SPEED ADJUSTMENT**



Note : Potter's wheel must be returned to upright position to check zero speed rpm after adjustment.

1. If wheelhead is creeping in clockwise direction when control lever/pedal is in zero position :
  - a. Place potter's wheel on side .
  - b. Loosen locknut with wrench.
  - c. Turn bolt 1/4 turn in clockwise direction .
  - d. Tighten locknut .
  - e. Return unit to normal upright position to check zero speed .
  - f. If wheelhead continues to creep, repeat above as many times as necessary.
2. If wheelhead is creeping in counter-clockwise direction when control lever/pedal is in zero position :
  - a. Place potter's wheel on side .
  - b. Loosen locknut with wrench .
  - c. Turn bolt 1/4 turn in counter-clockwise direction .
  - d. Tighten locknut .
  - e. Return unit to normal upright position to check zero speed .
  - f. If wheelhead continues to creep, repeat above as many times as necessary.

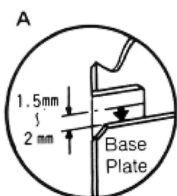
### **B. BELT TENSION ADJUSTMENT**



A drop in power may indicate drive belt tension needs adjustment :

1. Place potter's wheel on side.  
Mark "A" along edge of base plate as shown in fig.

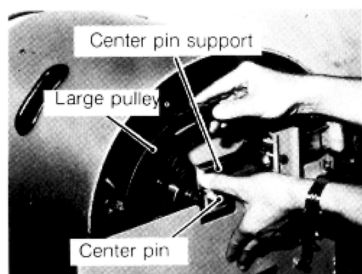
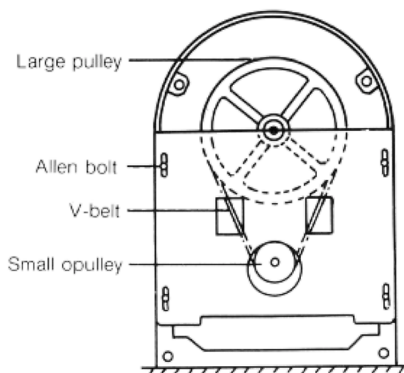
2. Loosen 4 allen bolts on base plate using allen wrench.



3. Press base plate downward in direction of arrow (approx. 1/10").  
Make sure both sides are moved evenly.
4. Check tension of drive belt. When pressed it should flex 1/4" to 1/2".
5. Tighten 4 allen bolts.



## C. DRIVE BELT REPLACEMENT

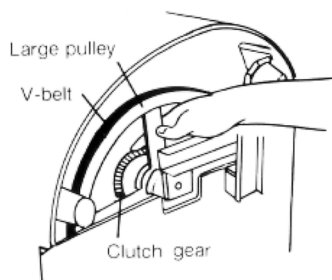


Belt #A-42 may be purchased from your local distributor.

1. Put control lever/pedal in STOP position.
2. Place potter's wheel on side.
3. Loosen 4 allen bolts on base plate.
4. Lift base plate upward and tighten bolts to hold plate temporarily in upward position.
5. Pull belt out of small pulley.
6. Push center pin holder down and turn large pulley about 1/8". Center pin should pull back into slot. If center pin does not pull into slot, repeat above procedures as many times as necessary.
7. Remove V-belt from large pulley. Replace with new belt placing it around large and small pulleys.
8. Press down base plate to tighten tension of belt.
9. Tighten 4 allen bolts of base plate.

## D. LUBRICATION

1. Lubrication is needed when a loud clicking noise occurs when clutch is disengaged. To lubricate:



- a. Put control lever/pedal in FREE position motor should be OFF.
- b. Place potter's wheel on side.
- c. Apply grease on clutch gear by turning wheelhead by hand.

Note: If any grease gets on V-belt, remove with gasoline.

2. After several years of operation, apply machine oil to pedal if squeak occurs.

## WARRANTY

SHIMPO potter's wheel Model RK-1X CLASSIC is warranted against defects\* in material and workmanship. SHIMPO shall replace or repair any part proven to be defective within two years after the date of purchase.

Return damaged unit to SHIMPO freight prepaid with a written explanation of the problem. Any unauthorized attempt at servicing any SHIMPO product will void this warranty.