

Nidec

SHIMPO VL-WHISPER

Potter's Wheel Instruction Manual

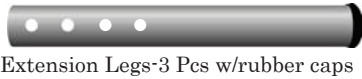
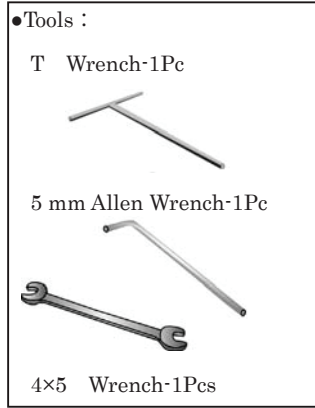


Thank you for your purchase of the SHIMPO VL-WHISPER Potter's wheel. This manual is provided for you to enjoy throwing clay safely, describing how to use the SHIMPO VL-WHISPER and giving several warnings for safe operation. Please read this manual before you start using the wheel and keep it near the wheel for your reference.

NIDEC-SHIMPO CORPORATION

Contents Included

★ Make sure all parts and tools are included.



Parts Description



【Warning】 Please use the wheel only after you understand the safety Information and functions of the equipment.

This instruction manual provides three grades of warnings as follows. Please follow these instructions carefully.

Danger Danger marking indicates a possible death, severe injury or re if the user disregards the warning.

Warning Warning marking indicates the possibility of a severe injury if the user does not follow the instructions.

Caution Caution marking indicates the possibility of light injury or damages if user operates the wheel improperly.

Extremely important markings to pay attention to:








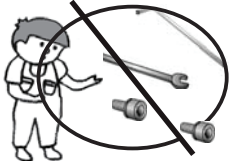


Warning, Pay Close Attention

Do Not




Please Follow Instruction

Shimpo will not indemnify any damages or loss caused by improper operation due to the lack of following the instruction manual, natural disaster, re, or users' abuse or negligence.

 **Danger**

<p> Do not use the wheel other than for throwing clay.</p> <p>This product is designed for the creation of ceramic art.</p>	<p> Do not place any items, other than ceramic materials, on the wheelhead.</p> <p>Water buckets and tools should be placed on the attached workspace.</p>
<p> Repair and modification by user are prohibited.</p> <p>May cause electrocution or injury.</p>	<p> Do not insert hands or objects into openings or moving parts.</p> <p>May cause electrocution or injury.</p>
<p> Do not leave children unattended near wheel.</p> <p> Injury may occur</p>	<p> Keep tools and small parts out of the reach of children.</p> <p> May cause injury.</p>
<p> This product may be harmful to a person who has a pacemaker. Serious injury or death could occur. Consult a physician before using.</p>	<p> Stop operation of the wheel if you smell or see smoke or hear unusual noises.</p> <p>Shut off the power, unplug power cable and contact the Shimpo dealer or Shimpo.</p>

 **Warning**

<p> Handle with extreme care when moving or lifting, wheel weighs 93 lbs.</p> <p>Serious injury can occur if moving or lifting is done improperly.</p>	<p> Do not plug into or unplug from AC outlet with wet hands.</p> <p> May cause electrocution.</p>
---	--



Do not move or hold the wheelhead while the wheelhead is turning.

The wheel body may start turning and your hand may be caught between the wheelhead and the enclosure.



Be careful of loose clothing and long hair.

May catch in clay or wheelhead causing damage or injury.



Caution



Do not lift the wheel by the wheelhead.

May cause damage or injury.



Be careful of jewelry and long nails.

Jewelry may catch in equipment and cause damage or injury. Nails may be broken.



Place the wheel on a flat, horizontal surface.

Vibration may occur if the surface is not level.



Do not remove the bolts for installation of the ball mill rack, unless installing the ball mill rack.

Water may reach the circuit board and cause damage to the product.



Do not remove the bottom cover.

There are electrical parts which need to be protected from hands, water and other materials.



Do not place a TV, radio, or an antenna too close to the wheel.

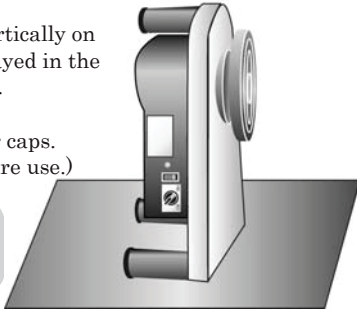
It may cause noise and picture distortion.

Leg Installation

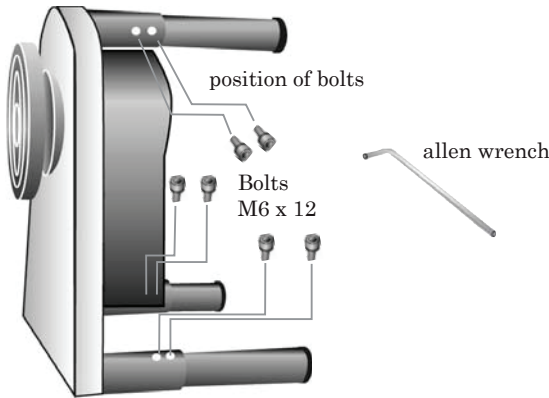
① Place the wheel vertically on cardboard as displayed in the picture to the right.

② Remove the rubber caps. (keep them for future use.)

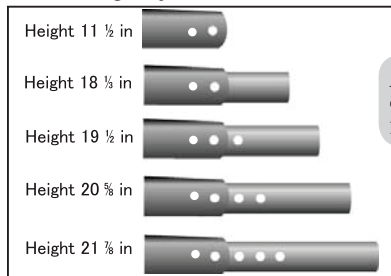
Caution: Wheel is not stable standing vertically.



③ Insert each leg as the drawing illustrates. Adjust the height evenly on all three legs. Tighten bolts with allen wrench.



5 different height adjustments .



Adjust height by changing the bolt position.

④ Place the wheel horizontally after tightening the bolts.

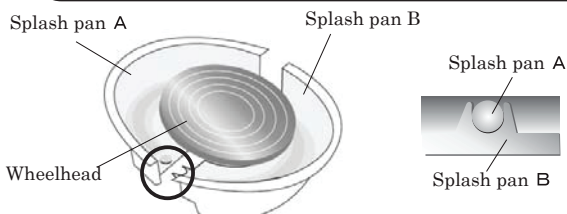
Splash Pan Installation

① Insert splash pan A into the groove under the seal flange.

② Insert splash pan B into the groove under the seal flange.

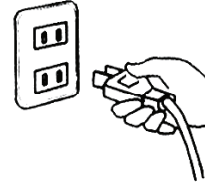


③ Join splash pan A and splash pan B by snapping them together.



Power connection

⊘ Connect the power cable to a 115v single phase AC power outlet only.



⊘ Do not connect multiple power cables to the same outlet.








May cause fire by exceeding outlet capacity.


⊘ Make sure the power switch is in the OFF position before plugging the power cable into an AC outlet.

Operation Starting and Stopping

Start

① Turn the power switch ON	
	② The power indicator lights up. 
	③ Set the wheelhead direction. F W D . . . Clock wise R E V . . . Counter clock wise
	④ Push the pedal forward from the stop position to increase speed. Push backward to reduce speed.


Stop




- ① Push the pedal all the way back to stop the wheelhead.
- ② Turn the power switch OFF.

Operation Switching Directions

Never change the wheelhead direction while the wheelhead is moving.




- ① Stop the wheelhead by pushing the foot pedal all the way back to the stop position.
- ② Turn the selector switch for the opposite direction.



Note: If you do not return the foot pedal to the stop position the direction will not change even if the FWD/REV switch is changed.

Operation Warning



Push the foot pedal in the stop position before turning the power switch off.

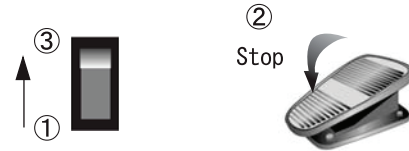
The wheelhead will not move if the pedal was not all way back when last powered off.



Do not operate any switches with wet hand.

Operation Power Switch


The power switch has two functions. One is to turn the wheel on and off. The other is as a reset function. This wheel has a safety feature for over-load . In order to reset, operator must switch off and on again. (Don't forget to push the foot pedal to the off position before turning the switch back on).




- ① Switch the ON/OFF breaker switch to the stop position (refer to diagram).
- ② Return the foot pedal to the stop position (refer to diagram).
- ③ Turn the power switch back on.

Note: If the pedal is not returned to the stop position before the power switch is turned on, the wheelhead will not turn; your wheel will not respond.

Maintenance



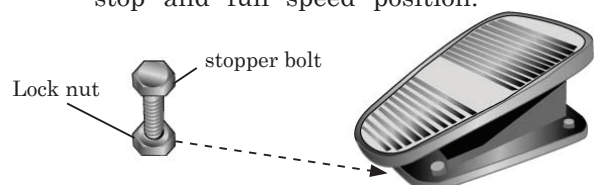
Turn the power switch off and unplug the power cable for cleaning, testing or adjustment. (It is recommended to do the same if the wheel will not be in use for a long period.)



DO NOT POUR WATER ON THE WHEEL TO CLEAN IT. Wipe the wheel down with a damp sponge or cloth. (Splash pan can be saturated if it is removed from the wheel.)

Foot Pedal Adjustment

If the wheelhead does not react accurately to the proper "stop" and "full speed" positions, adjust the stopper bolt on the foot pedal using the wrench provided. Adjust the stopper bolt accordingly to create a new "stop" and "full-speed" position.



Troubleshooting

Problem Wheelhead does not turn

- Is the wheel plugged in to the power source?
- Is the power switch/breaker in the "ON" position?
- Is the power source working correctly and supplying the correct amount of electrical current?
- Is the pedal at the "stop" position (heel of the foot pedal completely down)?
- Are there several wheels or other equipment/appliances on the same circuit? (Check the breaker to see if the circuit has been overloaded.)

Problem Unusual sound coming from the wheel body

- Is the wheel resting on a solid surface and level?
- Is there too much clay on the wheelhead?
- Is the clay totally centered?
- Are any of the adjustable legs loose?
- Has the wheelhead bolt been tightened completely?

Problem The wheelhead stops turning

- Did the wheel stop turning when clay was added to the wheelhead?
- The wheel could be overloaded causing the built-in breaker to pop, stopping the wheel. Remove some clay. Allow the breaker to cool. Turn on. If the breaker pops again see your authorized Shimpo dealer.
- Did an overload cause the breaker/fuse to pop at the main power source?
- Has the power cord become unplugged?

Problem The wheelhead turns in the opposite direction

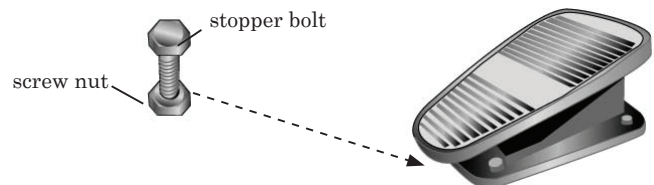
- Allow the wheel to stop turning completely. Turn the forward/reverse switch to the desired direction.

Note:

Forward is clockwise; Reverse is counter clockwise

Problem The wheelhead does not turn after pedal has been replaced.

- Please refer to "Foot Pedal Adjustment" on previous page.



Specifications

Model	VL-Whisper
Motor	400W AC115V
Drive System	Direct Drive DC Brushless Motor with electric speed control
Wheelhead rotation speed	60Hz : 0 ~ 250rpm
Speed adjustment	Foot Pedal
Wheelhead Direction	Clockwise/Counter-Clockwise
Wheelhead diameter	Aluminum diecast: 14" diameter
Dimension	23 1/8" × 27 1/2" × 22 3/4" max height
Weight	42.5kg (93lb)

Warranty

●LIMITED EXPRESS WARRANTY

Shimpo warrants, to the original purchaser of new products only, that this product shall be free from defects in workmanship and material under normal use and proper maintenance for five years from the date of original purchase. This warranty shall not be effective if the product has been subject to overload, misuse, negligence, or accident or if the product has been repaired or altered outside of Shimpo's authorized control in any respect which in Shimpo's judgement, adversely affects its condition or operation.

●DISCLAIMER OF ALL OTHER WARRANTIES

The foregoing warranty constitutes the SOLE AND EXCLUSIVE WARRANTY and Shimpo hereby disclaims all other warranties, expressed, statutory or implied, applicable to the product, including, but not limited to, all implied warranties of merchantability and fitness.

●LIMITATION OF REMEDY

Buyer must have Shimpo's authorization before returning the product, properly repackaged, freight prepaid to Shimpo to obtain warranty service. Under this warranty Shimpo's SOLE OBLIGATION SHALL BE TO REPAIR OR REPLACE the defective product or part, at Shimpo's option. Shimpo reserves the right to satisfy warranty obligation in full by reimbursing Buyer for all payments made to Shimpo, whereupon, title shall pass to Shimpo upon acceptance of return goods.

●INDEMNIFICATION & LIMITATION OF DAMAGES

Buyer agrees to indemnify and hold Shimpo harmless from and against all claims and damages, imposed upon or incurred, arising, directly or indirectly, from Buyer's failure to perform or satisfy any of the terms described herein. In no event shall Shimpo be liable for injuries of any nature involving the product, including incidental or consequential damages to person or property, any economic loss or loss of use.

●MERGER CLAUSE

Any statements made by the Seller's representative do not constitute warranties except to the extent that they also appear in writing in this contract. This writing constitutes the entire and final expression of the parties' agreement.

Maintenance and Safety Precautions

- Turn ON/OFF switch to OFF and unplug your wheel from the power source before cleaning or inspection.
- Never hose down the wheel. Clean off the potter's wheel with a damp sponge or cloth. Drain your splashpan regularly to avoid a build up of excessive water and clay. Detach the splash pan after each use and clean out thoroughly.
- Touching switches or plugs with wet hands may result in electrical shock.
- Do not tamper with the electrical circuit and controller of your wheel. You may be at risk of getting an electrical shock. Your potter's wheel is a precision instrument and it is advised that you refer operation or performance complaints to a Shimpo-referred, qualified technician.
- Use good judgement and caution when in use around children. Adult supervision must be provided when using around children.
- Take off metal accessories such as rings and watches before handling.
- Do not pick up the wheel by the wheelhead. You may bend the shaft.
- Unplug your wheel from power source if you will not be using it for an extended period of time.
- If the power cord becomes damaged, please ask your Authorized Shimpo Dealer about a replacement. Do not attempt to repair the power cord by yourself.

MANUFACTURED BY
NIDEC-SHIMPO CORPORATION
175 Wall Street
Glendale Heights, IL 60139

Phone: 1-800-237-7079 Fax: 630-924-0340