

# SHIMPO

# WHISPER-T



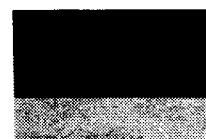
POTTER'S WHEEL



**INSTRUCTION MANUAL**

P.1

TÖPFERSCHEIB



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**NIDEC-SHIMPO CORPORATION**

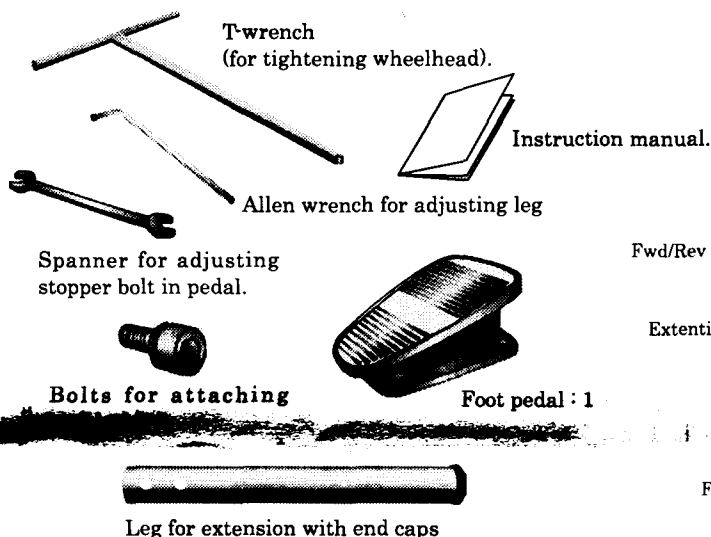


## Features and Benefits

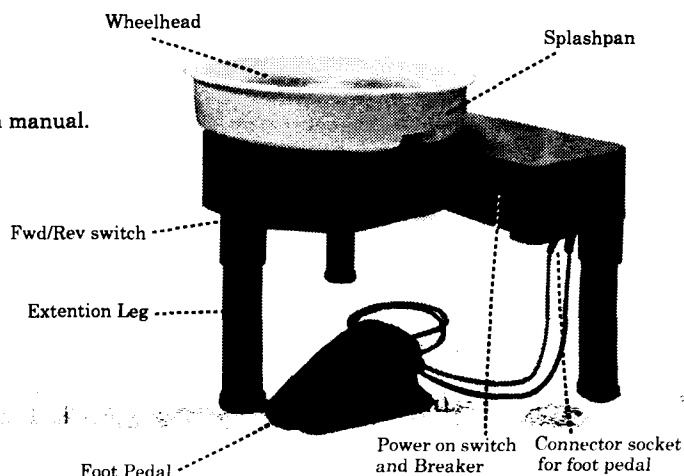
The Whisper-T Series offers the power, resilience and quietness that Shimpo wheels are known for. Features of the Whisper-T include

- Heavy-duty steel construction assures long service life.
- Brushless DC motor direct drive system ensures powerful yet essentially noiseless operation.
- Unique closed loop micro-controller maintains required speed under heavy load.
- Foot pedal offers flexibility in speed adjustment.
- Clockwise and counter-clockwise wheelhead rotation.
- Two years warranty.

## Contents Included



## Parts Description



**[Warning]** Please start to 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 fire 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









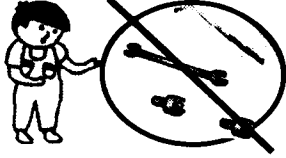

Do Not






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, fire, 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> 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 117 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> 
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**Do not move or hold the wheel while power is on.**

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



**Be careful of loose fitting 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.



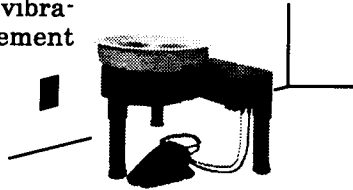
**Be careful of jewelry and long nails.**

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



**Place the wheel on a flat, horizontal surface.**

It may cause a vibration if the placement is not level.



**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 to close to the wheel.**

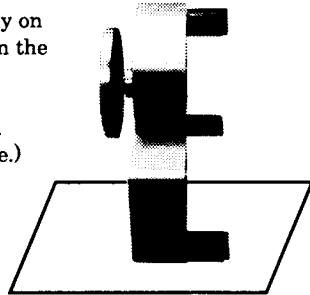
It may cause noise and picture distortion.

## Leg Installation

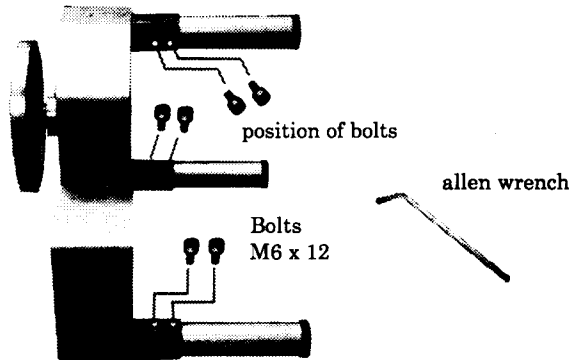
① Place the wheel vertically on the carpet as displayed in the picture to the right.

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

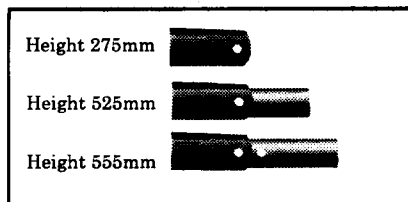
**Caution:**  
Wheel is not stable standing vertically.



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



3 different height adjustments .



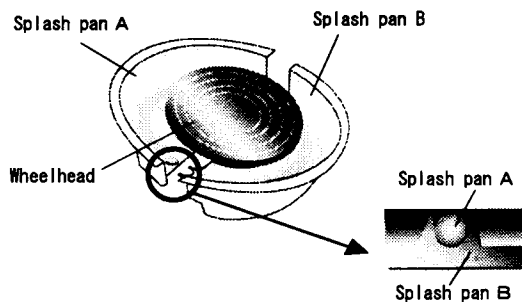
④ Place the wheel horizontally after tightening the bolts.

## Splash Pan Installation

① Insert splash pan A into the groove .

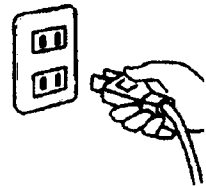
② Insert splash pan B into the groove.

③ Join splash pan A into splash B



## Power connection

⊘ Connect the power cable to a 230V single phase AC power outlet only.



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



May cause fire by exceeding outlet capacity.

⊘ ~~Make sure the power switch is off when you plug the power cable into the AC outlet.~~

## Operation Warning



**Step the pedal all the way back before turning the power switch off.**

The wheelhead will not move if the pedal was not all way back at last power off.



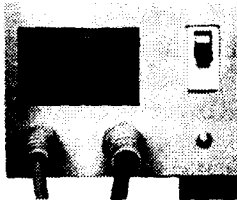
**Do not operate any switches with wet hand.**

## Operation Starting and Stopping

### • Start



① Turn the power switch on



② Set the turntable direction.

FWD... Clock wise  
REV... Counter clock wise

stop



③ Step the pedal forward from the stop position to increase speed. Step backward to reduce speed.

### • Stop

stop



① Step the pedal all the way back to stop wheelhead.

② Turn the power switch off.

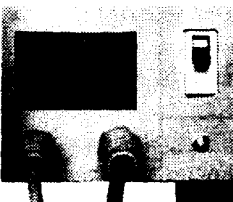
## Operation Switching Directions

Never change wheelhead direction while wheelhead is moving.

stop



① Stop the wheelhead by stepping foot pedal all way back.



② Change the selector for opposite direction.

Note: If you do not return pedal to the off position the direction will not change even if the Fwd/Rev switch is changed.

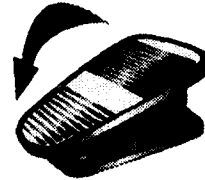
## Operation Power Switch

- The power switch has two functions. One is to turn wheel on and off. The other is 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 step the pedal all the way down before turning switch back on.)

③  
↑  
①



stop



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

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

### ● Foot Pedal adjustment

Please loose pedal-adjusting nuts of the right side of foot pedal in order to adjust pedaling weight of foot pedal and adjust weight of pedal.

Pedal adjusting nuts



Loose the lock nut by using the wrench and turn a stopper bolt untill the wheelhead does start.

lock nut



## 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.)

## 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 "0" 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 open, stopping the wheel.  
Remove some clay. Allow the breaker to cool.  
Turn on. If the breaker opens again see your authorized Shimpo dealer.
- Did an overload cause the breaker/fuse to open at the main power source?
- Has the power cord become unplugged?

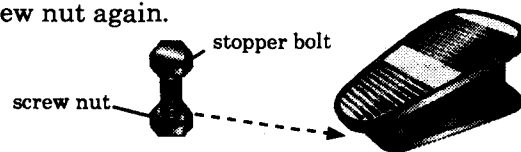
### Problem The wheelhead turns in the opposite direction

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

Note directions:  
Forward is clockwise; Reverse is counter clockwise

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

- Loosen screw nut of stopper bolt by spanner, twist stopper bolt until wheelhead turns, then tighten screw nut again.



## Specifications

Model	Whisper-T
Motor	300W AC230V 50Hz single phase
Drive System	Direct Drive DC Brushless Motor with electric speed control
Wheelhead speed	0 ~ 250rpm
Speed control	Remote Foot Pedal
Wheelhead Direction	Clockwise/Counter-Clockwise
Wheelhead	Light alloy casting, diameter 300mm
Dimension	750 × 572 × 580mm (max)
Ship Weight	53kg



## 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 materials under normal use and proper maintenance for two 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 judgment, 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 machine. Clean off the potter's wheel with a damp 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.
- Please ask for Shimpo Dealer to replace the power cord when you have problem. Never repair the power cord by yourself.