

Nidec

SHIMPO VL-LITE

Potter's Wheel Instruction Manual



Thank you for your purchase of the SHIMPO VL-LITE Potter's wheel. This manual is provided for you to enjoy throwing clay safely, describing how to use the SHIMPO VL-LITE 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.

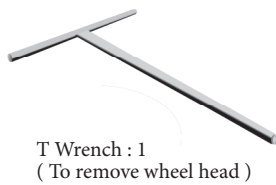
NIDEC-SHIMPO CORPORATION

Features and Benefits

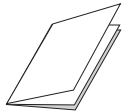
The SHIMPO VL-LITE offers the power, resilience and quietness that NIDEC-SHIMPO wheels are known for. Features included.

- Heavy-duty steel frame construction assures long service life.
- Unique closed loop micro-controller maintains required speed under heavy load.
- Foot pedal offers flexibility in speed adjustment.
- Two-year warranty.

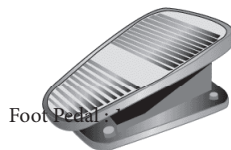
Contents Included



4x5 Wrench : 1
(To adjust foot pedal)

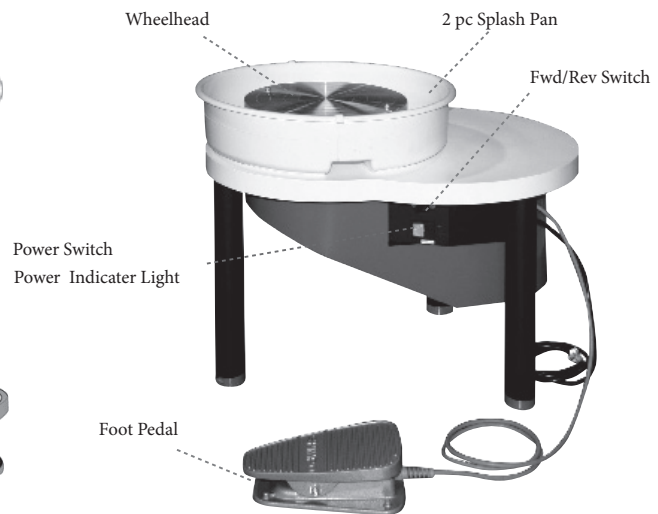


Splash Pan : 1




Foot Pedal


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:








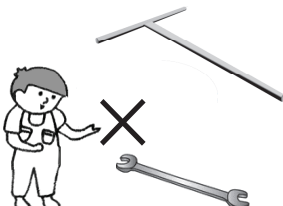

 Warning, Pay Close Attention

 Do Not




 Please Follow Instructions

NIDEC-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 user's 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> Repairs and modifications by the 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.</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 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.



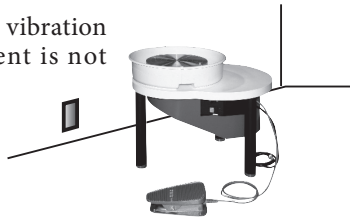
Be careful of jewelry and long nails.

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.

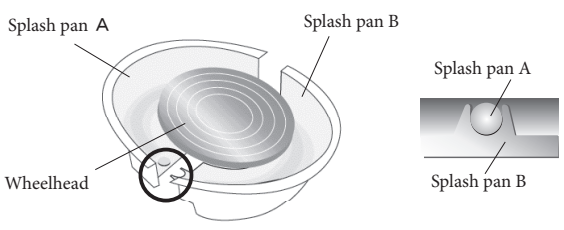
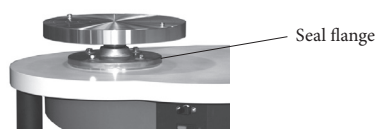


Do not place a TV, radio, or an antenna too close to the wheel.

It may cause noise and picture distortion.

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 into splash B



Power Connection

Please do not use this wheel with any voltage or frequency other than what is indicated.

Confirm that you have the correct line voltage and then insert power plug into the power outlet.

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

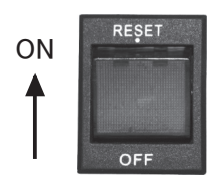
Press the pedal all the way back before turning the power switch off.
The wheelhead will not move if the pedal was not all the way back at last power off.

Do not operate any switches with wet hands.

Operation Starting and Stopping

Start

① Turn the power switch on.



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

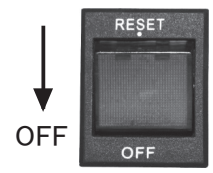


Stop

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




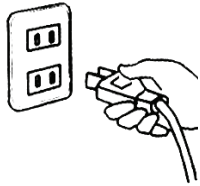
② Turn the power switch off.



Note directions:
Forward is counter clockwise; Reverse is clockwise

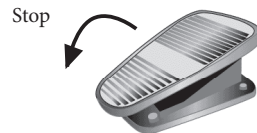
How to Switch Wheelhead Direction

 Before proceeding with this step please be sure to switch the power off and unplug the wheel from the power outlet.

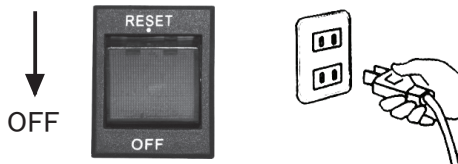


Damage to the wheel may occur if you switch the wheelhead direction when the power is on.

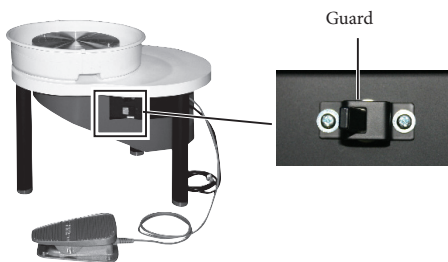
① Stop the wheelhead by pressing foot pedal all the way back.



② Turn off the power switch and unplug the power cord.



③ Remove the guard on switch.



Remove 2 screws on guard with a screw driver.

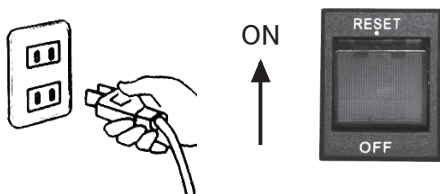
④ Shift the switch to the opposite direction.

⑤ Install the guard firmly.

Fasten 2 screws on guard with a screw driver.



⑥ Insert the power cord and turn on the power switch.
☒ Be sure to check rotating direction.



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 press the pedal all the way down before turning switch back on.)


- ☒ Switch the on switch to the off position (refer to diagram).
- ☒ Return the foot pedal to the off position (refer to diagram).
- ☒ Turn the power switch back on.



Maintenance

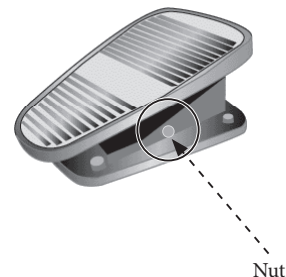
Use caution when performing any maintenance, inspection, and adjustments.

 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 cleaned if it is removed from the wheel.)

☒ Foot Pedal Tension Adjustment

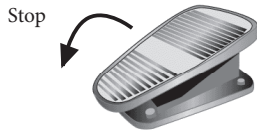
Loosen nuts on the right side of foot pedal in order to adjust the pressure needed to move the pedal.



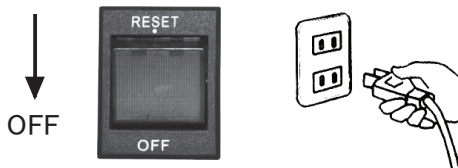
☒ How to adjust tension of the belt

(When the power is low. When you feel the belt inside main body slips.)

- ① Stop the wheelhead by pressing foot pedal all the way back.

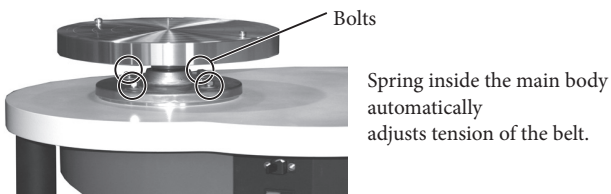


- ② Turn off the power switch and unplug the power cord.

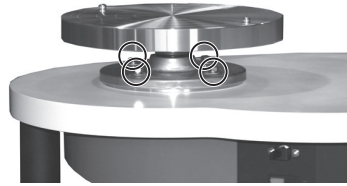


- ③ Remove splash pan and loosen all 4 bolts under the wheel head.

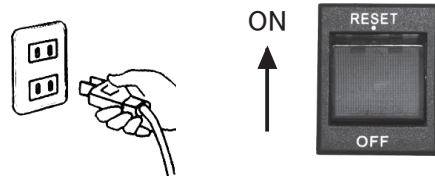
Caution, Please be careful not to loosen too much.
Loosen bolts. Do not remove completely.



- ④ Fasten 4 bolts once again.



- ⑤ Insert the power cord and turn on the power switch.
☒ Be sure to check rotating direction.



Troubleshooting

Problem ☒ Wheelhead does not turn

- Is the wheel plugged in to the power source?
- Is the power switch in the "on" position?
- Is the power source working correctly and supplying the correct amount of electrical current?
- Is the pedal at the stop "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?
- Has the wheelhead bolt been tightened completely?

Problem ☒ The wheelhead stops turning

- Did the wheel stop turning due to too much clay on the wheelhead?
- Did an overload cause the breaker to open at the main power source?
- Has the power cord become unplugged?
- Did the switch(breaker) on wheel open?

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