FOOT PEDAL INSTRUCTIONS

Models A, B, C, CXC, EX, and ie

SET UP AND MAINTENANCE INSTRUCTIONS

Remove the wheel from its crate. It is ready to use immediately. If there appears to be any damage due to mishandling in transit, immediately notify the delivering carrier; then notify us. Plug the wheel into a 3 prong (grounded) 110 volt AC outlet. If you don't have grounded outlets and have to use an adaptor, make certain that you connect the green wire from the adaptor to a suitable ground. It is not safe to operate electrical equipment around water if it is not grounded.

Tip the foot pedal back and turn on the switch. The pilot light will come on, indicating power is on in the solid state circuit that controls the speed of the motor. With the pedal tipped back, the wheel should not turn, but as the pedal is tipped forward the speed should increase smoothly up to a maximum of 220 or 240 rpm. If the wheel does not turn off with the pedal back, or doesn't run fast enough, read the section on foot pedal adjustment below.

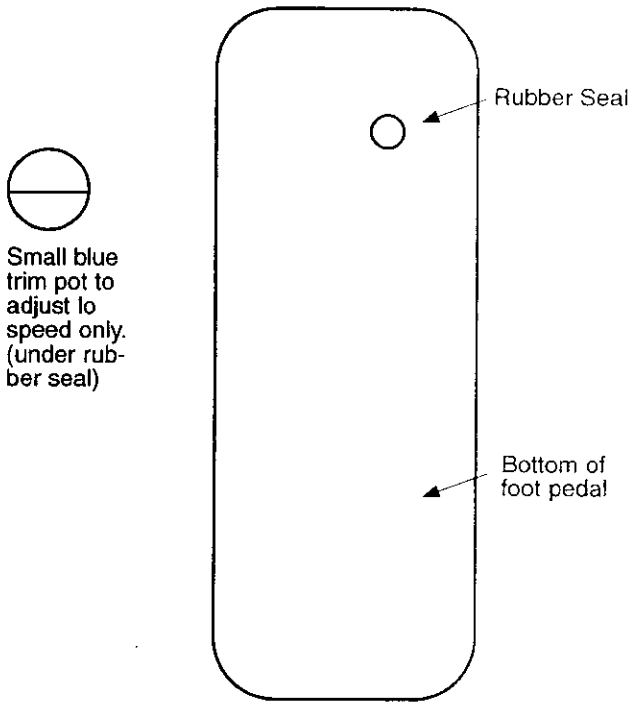
To insure proper belt tension and increased belt life, all our belt driven wheels come equipped with automatic belt tensioning devices. The new spring tensioner will eliminate having to tighten the belts. It's not necessary to release the spring tensioner when removing the belt; simply roll the belt off the pulley. To replace the belt, fit it on the small pulley first and then turn it onto the large one.

The motor is a DC motor and therefore has brushes. Brush life is about 5000 hours or 4 hours a day, 5 days a week for 5 years. If and when they do wear out, the wheel will stop working, but the motor will not be damaged. Write for new brushes, and installation instructions will be included with them. Include the serial number of your wheel.

NOTE: *Unplug your wheel during electrical storms* as the electronic circuitry can be damaged by lightning hitting related power lines thus creating power surges. It is also advisable to unplug the wheel when not in use.

ELECTRIC WHEEL SPEED ADJUSTMENT: Inside your foot pedal are adjusting devices for the minimum speed turn on point. We carefully adjust the turn on and top speed of each wheel at the factory. However, because of slight variations in line voltage in different parts of the world, as well as load variations on the particular circuit you are using, you may find that your wheel will not shut off with the foot pedal all the way back. This is simple to adjust.

To adjust the shut off point of your wheel, turn the foot pedal over and remove the rubber plug in the plastic cover. The LO speed adjustment is a blue disc. A small screwdriver is required to adjust this trim pot very carefully. The wheel may be turned on while making this adjustment, so that you can adjust the start point of your wheel to your satisfaction.



brent® potter's wheels and equipment
6060 Guion Road, Indianapolis, IN 46254-1222 USA
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AMERICAN ART CLAY CO., INC.

Manufacturers Since 1919

TROUBLESHOOTING BRENT® ELECTRIC WHEELS

MODELS A, B, C, CXC, EX, ie, ie-x, and ie-t

The following is a list of the most common problems you may experience while using your Brent® electric potters wheel. Most of these difficulties occur as a result of normal "wear and tear" and can be solved simply. All Brent® wheels have a two-year warranty on service and parts. If you have any further questions or need to order replacement parts contact the Brent® Repair Department at (800) 999-5456.

NOTE:

ALWAYS UNPLUG YOUR WHEEL WHEN IT IS NOT IN USE TO PROTECT AGAINST POWER SURGES & LIGHTNING STORMS!

Wheelhead still rotates when pedal is off:

1. Remove bottom of pedal. Check plastic arm to see if it is tight on the bolt that runs through it. If it is not, pull the plastic arm up to the top and tighten the set screw in the base of the arm.
2. Turn blue trim potentiometer/rheostat clockwise until wheelhead stops rotating.

Wheelhead is not rotating, but the motor is running:

This means that the belt is off its pulleys.

1. Shut the power off.
2. Lean the wheel back so it's laying on its two back legs.
3. Remove belt guard and place belt in middle grooves on small pulley.
4. Start belt on large pulley, rotating large pulley until belt is on.
5. Turn wheel on and test to make sure the belt stays on.
6. Reinstall the belt guard.

Wheel runs at high speed with no foot pedal control:

The D-30 Control Board is not working and needs to be repaired or replaced.

a) If your foot pedal assembly is wired into the control box, then call Brent® repair service for instructions on how to disconnect in order to mail it in.

b) If you can unplug the foot assembly from the control box, then you have the newer "modular style box" and need to do the following:

1. Unplug the potters wheel.
2. Unplug the foot pedal assembly, the motor, and the power cord from the control box.
3. Unscrew the control box and mail it with the foot assembly to Brent® service department for replacement or repair.

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Wheel rotation is uneven at slow speeds, or does not rotate at low to medium speed:

a) If possible, hook another pedal to the wheel to check if problem continues.
   1. If problem persists, the D-30 Control Board needs to be replaced.
   2. If problem is gone, the foot pedal assembly needs to be replaced.

b) If you do not have another pedal available:
   1. Replace the pedal assembly first.
   2. If this doesn't solve the problem, then replace the D-30 Control Board.

Wheel does not rotate even though the power is on:

1. Shut the power off.
2. Check the fuse and replace if blown.
3. If there is power to the control box and the fuse is fine, replace the D-30 Control Board.

Wheel blows fuses when the foot pedal is depressed:

1. Bridge rectifier needs replacement (unplug the wheel while replacing).
2. If wheel runs only at full speed after bridge rectifier replacement, D-30 Control Board may also need replacement.

Wheel quits moments after turning on, after a long period of no use:

Clean and lubricate the brush slots as follows:

1. Unplug the wheel.
2. Lean the wheel back so it's laying on its two back legs.
3. Unscrew and remove black plastic caps on either side of the motor.
4. Remove brushes from their holders. If they are "frozen" in their slots, force out of their holders.
5. Clean slots with WD-40 and scrape them so the brushes will slide all the way in and make proper contact with the motor.
6. Replace the brushes and try turning the wheel on again.

(Call Brent® customer service if still not running).

Belt is rubbing against the belt guard:

1. Lay wheel back on its two back legs.
2. Loosen the two bolts that hold the guard in place.
3. Adjust guard until rubbing stops.
4. Tighten bolts back up.