

brent[®] owner's manual

FOR ALL BRENT[®] POTTER'S WHEEL MODELS



Approved
220-240V AC

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WARNING LABELS AND THEIR MEANING

Your new wheel may have one or more of these stickers applied to it.

	Electrical shock hazard		Requires three people to lift safely
	Disconnect power supplies before servicing or cleaning		Do not hose
	Requires two people to lift safely		Electrical ground

YOUR NEW POTTER'S WHEEL

Congratulations on your purchase of a brent® Potter's Wheel.
We trust you will be pleased with your decision and enjoy your new wheel for years to come!

WELCOME

Please read the enclosed safe operation, maintenance, and warranty information carefully.



Before signing the delivery receipt, thoroughly inspect your package. If merchandise is damaged, please make notation of the damage on delivery receipt, stating that you request an inspection by a qualified damage claim inspector. Follow up with a call to the delivering carrier, making an appointment for the inspection. At this time notify AMACO/brent as to the extent of the damage and you will be informed upon the procedures necessary for filing a claim with the freight company.

DELIVERY INSPECTION

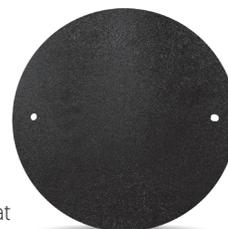
Do not attempt to operate the wheel if damaged.



[1] Wheel and Foot Pedal



[1] Splash Pan:
two halves



[1] Plasti-bat

PACKAGE CONTENTS

IMPORTANT SAFETY INSTRUCTIONS

DO AND DO NOT

- ❌ DO NOT leave wheel running unattended.
- ❌ DO NOT force the wheel head to stop, as this will shorten the life of the motor.
- ❌ DO NOT plug power cord into an extension cord.
- ✅ DO plug power cord directly into electrical wall outlet.
- ❌ DO NOT exceed recommended maximum clay weight for your wheel, to do so will shorten the life of the motor.
- ✅ DO fully depress foot pedal backwards into the "OFF" position before turning the wheel on.
- ❌ DO NOT attempt to move or hold the wheel during operation, or while the power is on as this could cause serious injury.
- ✅ DO when cleaning the wheel, inspecting parts, and between periods of use, always turn off the on/off switch and confirm that the power indicator light is off. Then unplug the wheel from its power source.
- ✅ DO take care with long hair, jewelry, and loose fitting clothing. Such items may get caught in the moving wheel head causing damage or injury.
- ✅ DO plug the wheel into a grounded (3-prong) 110-120 or 220-240 volt AC outlet, depending on your wheel's power configuration.
- ✅ DO use an adaptor if you do not have grounded outlets available. DO make certain you connect the green wire from the adaptor to a suitable ground.
- ❌ DO NOT let the wheel stand in water.
- ✅ DO keep tools and small parts out of reach of small children.
- ✅ DO place the wheel on a flat, even surface away from other objects.
- ❌ DO NOT ever operate the wheel with the belt guard removed.
- ❌ DO NOT attempt to lift the wheel by yourself. Equipment must be lifted by two to three people, depending upon your wheel model.
- ✅ DO when conducting a repair, disconnect power supply by unplugging power cord from outlet.
- ✅ DO have the power outlet in the vicinity of the wheel and under immediate supervision of service personnel at all times.
- ✅ DO stop operation of the wheel if you see or smell smoke, or if you hear unusual noises. Then turn off power, unplug power cord from outlet, and call brent® Repair for assistance.
- ❌ DO NOT remove the control box and panel covers when the wheel is plugged into power. Doing so makes the internal parts vulnerable to damage.
- ❌ DO NOT attempt repairs and modifications yourself. To do so will void your warranty.
- ✅ DO call a qualified technician for repairs or modification. Should you need clarification or help troubleshooting before calling a technician, call AMACO/brent first at 800-999-5456 for help and technical support.

NOTE: It is not safe to operate electrical equipment around water if it is not grounded.

DO READ AND SAVE THESE INSTRUCTIONS

GENERAL INFORMATION OF THE BRENT POTTER'S WHEEL

The potter's wheel was first created around 3000BC as a means to increase production of ceramic wares for everyday use. Though the concept is very simple, today's machines add elegance and robust engineering to meet the modern pottery demands.

GENERAL INFORMATION

The Brent potter's wheel consists of a polished aluminum head attached to a powder coated steel frame that house the electronics, motor, and pulleys that deliver all the torque needed to shape clay into its final form. The Brent potter's wheel is wrapped in a vacuum formed HDP sheet

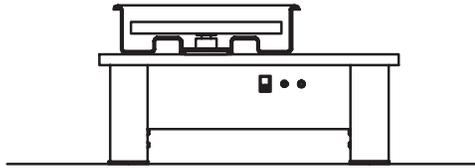
for easy cleaning if any clay happens to make it past the injection molded HDPE splash pan, which acts as a basin for all your clay slurry that formed during the throwing process. All of these components help make Brent pottery wheels the most dependable wheel on the market.

BRENT POTTER'S WHEELS CHART

MODEL	PART NUMBER	WHEEL HEAD	HP	WEIGHT		VOLTAGE	CURRENT	FREQUENCY	dB(A)
				LBS	KG				
ie	22833M	12"	1/4	93	42	110-120V	10	50 - 60 Hz	70
	22800X	12"	1/4			220-240V			
ie-r	22897M	12"	1/4	93	42	110-120V			
ie-x	22900R	14"	1/3	98	45	110-120V			
	22901P	14"	1/3			220-240V			
B	22604E	12"	1/2	112	51	110-120C			
	22606G	12"	1/2			220-240V			
C	22608J	14"	3/4	117	53	110-120V			
	22610L	14"	3/4			220-240V			
CXC	22727G	14"	1	117	53	110-120V			
	22728H	14"	1			220-240V			
EX	22573A	14"	1 1/2	119	54	110-120V	15		
#16	22666E	12"	1/2	287	130	110-120V	5		
	22613P	12"	1/2			220-240V			

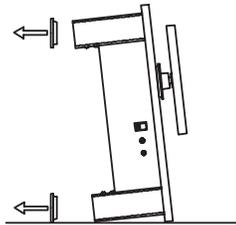
BRENT® IE AND IE-X POTTER'S WHEELS LEG INSTALLATION

SHIPPED IN
TABLE-TOP
CONFIGURATION

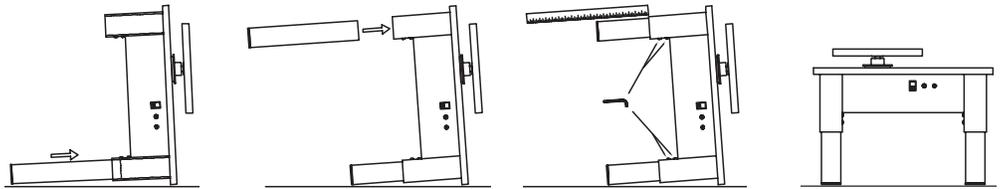


Once you have carefully removed your wheel from the carton, you will find it is shipped in its table-top configuration. It comes equipped with a 9-foot cord for versatility.

CHANGING TO
FLOOR MODEL
CONFIGURATION



1. Position the wheel on its back edge with the bottom facing you. Do not allow the wheel to tip over as it may damage the wheel head assembly.
2. Remove the end caps from the leg stubs of the wheel (this allows the legs to be inserted into the leg stubs). Remove the foot pedal and the three (3) legs from the attached box.



3. Insert a leg into one of the two bottom leg cylinders of the main assembly until fully seated. Using the $\frac{5}{16}$ " allen wrench (provided) turn both set screws until they make contact with the leg, then tighten each screw another $\frac{1}{4}$ turn.
4. Repeat step 3 for the remaining two legs inserting the top leg last.
5. With the legs fully seated, the wheel is at the industry standard height. If you prefer, you may raise the wheel height by loosening the set screws and pulling the legs out to the desired length. Then retighten the set screws as described in step 3.

NOTE: Each leg comes with a cap plug installed in the bottom. These plugs may loosen during shipping, to reseal, tap them lightly with a hammer.

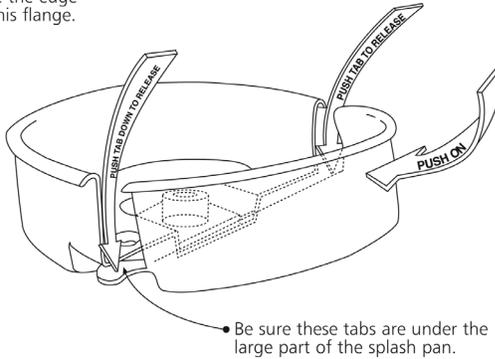
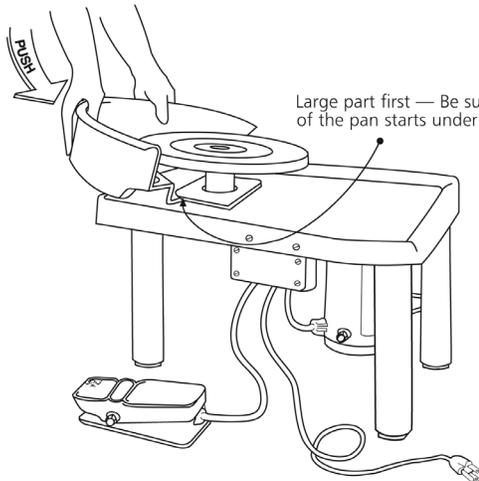
NOTE: Ensure that all three (3) legs are set to the same length so the wheel will sit level.

USING YOUR
NEW WHEEL

The wheel has an on/off switch, a fuse, and on some models, a reversing switch located on the right side of the wheel. Make sure the foot pedal is in the "off" position before turning your power switch on.

Occasionally, due to minor voltage variations, you may need to adjust the foot pedal to achieve an optimal calibration to your electrical environment. (see Troubleshooting, pages 15-17)

USING YOUR WHEEL FOR THE FIRST TIME



INSTALL THE SPLASH PAN

NOTE: The splash pan is not meant to hold water.

Tip the foot pedal towards you in the "OFF" position and toggle the ON/OFF switch into the "ON" position. The pilot light will come on indicating that the solid state circuit that controls the motor is receiving power. With the foot pedal tipped back, the wheel head should not rotate. As the foot pedal is pushed forward, the speed should increase smoothly, up to a maximum of 240 rpm. If the wheel does not turn off with the foot pedal back, or does not run fast enough, see Troubleshooting on pages 15-17.

All wheels except the ie model are reversible.

If you wish to reverse the direction, tip the foot pedal toward you in the "OFF" position. When the wheel stops, move the FWD/REV toggle switch to either Forward or Reverse.



[Off]



[On]

HOW TO OPERATE THE PEDAL

NOTE: When starting up your wheel for the first time, the wheel may have a slight "thump" sound. This is normal and is a result of the rubber drive belt being held in the same position since manufacturing and should go away within 10 or 15 minutes of use.

TAKING CARE OF YOUR WHEEL

CARING FOR YOUR WHEEL

With proper care and maintenance, brent® wheels have been known to be in service for over 30 years.

Please follow these simple instructions to ensure this kind of dependability from your brent® wheel.

- Turn off and unplug wheel when not in use.
- To ensure maximum brush life, always allow the motor to come to a complete stop before changing directions of the wheel head.
- Clean wheel after every use by removing splash pan and emptying contents into slop bucket. Sponge down table and legs.
- Clean floor of any surrounding water and wet clay.
- Store foot pedal on wheel table when not in use. In addition, when mopping studio floors, foot pedals should be placed on the table top of the pottery wheel.
- Always clean wheel with a damp sponge and water, do not use solvents and do not use a hose.
- Do not let wheel stand in water or slop.
- Store in a dry space away from outdoor elements. If placing the wheel into storage, it might be beneficial to pull your motor brushes from the motor with the wheel disconnected from power, in order to avoid problems that could arise otherwise.
- Keep the serial number and the date of purchase in a safe place: you will need this information if you ever need service or want to make modifications to the wheel.
- The recommended operating and storage temperatures is 50-90° F, with a relative humidity of less than 60%.
- Keep the wheel away from dust and vibration during storage to ensure maximum life of the wheel.

MAINTENANCE: REPLACING THE BELT

To ensure correct belt tension and maximum belt life, all our belt drive wheels come equipped with automatic belt tensioning devices. The 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. Check belts every five years for wear as the rubber will break down faster in some climates. To replace the belt, please follow instructions for your particular wheel on either page 9-10 or 10-11.

MAINTENANCE: STANDARD BELT REPLACEMENT

MODELS:
B, C, CXC,
EX, and #16



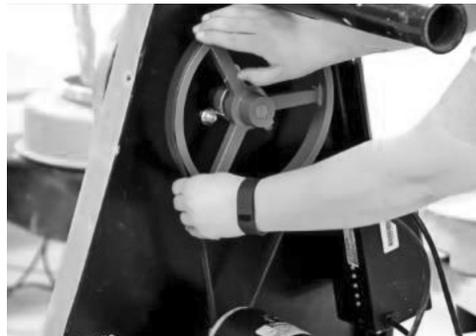
1. Turn wheel off and unplug from the power outlet. Raise the front of the pottery wheel until the wheel rests on its back legs.



2. Locate the belt guard on the bottom of the wheel. Use a 7/16" wrench to remove the three nuts and bolts highlighted in photo.



3. Gently pull the top of the belt guard toward you and twist it to the left. Set belt guard aside.



4. "Walk" the belt off the large pulley by grabbing hold of the belt in the space between the pulleys, then gently pull toward you while turning the large pulley slowly.



5. Install new belt by fitting the new belt over the small pulley first.



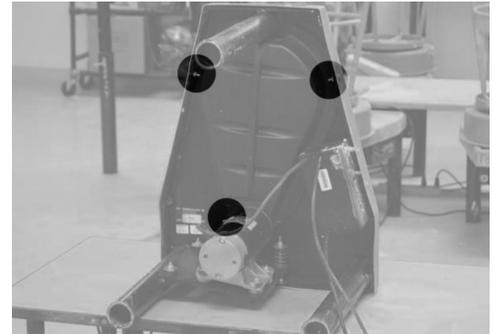
6. Lay one half of the grooved side of the belt on the large pulley and start turning the belt and pulley at the same time to "roll" the belt onto the large pulley.

MAINTENANCE: STANDARD BELT REPLACEMENT

MODELS:
B, C, CXC,
EX, and #16
(continued)



7. Check that the belt is centered on both pulleys. **NOTE:** It is common for the pulleys to have more grooves than the belts.

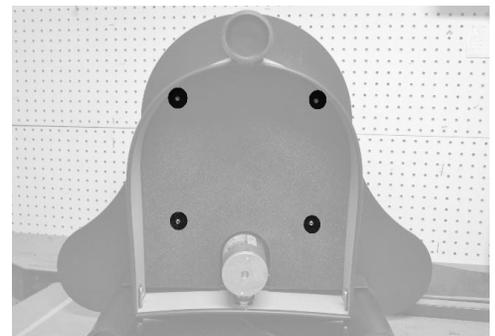


8. Place the belt guard back in position and attach with the three nuts and bolts removed in step 2.

MODELS:
IE, IE-R,
and IE-X



1. Turn wheel off and unplug from the power outlet. Raise the front of the pottery wheel until the wheel rests on its back legs.



2. Locate the belt guard panel on the bottom of the wheel. Use a 1/4" socket screwdriver to remove the four screws highlighted in photo.



3. Remove the belt guard panel and set aside.



4. "Walk" the belt off the large pulley by grabbing hold of the belt in the space between the pulleys, then gently pull toward you while turning the large pulley slowly.

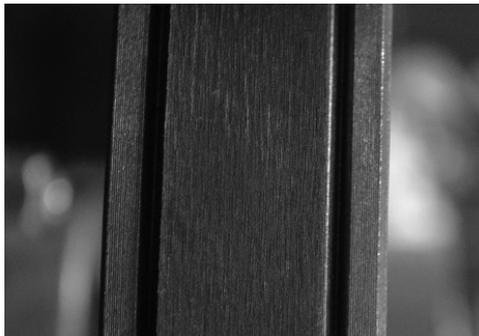
MAINTENANCE: STANDARD BELT REPLACEMENT



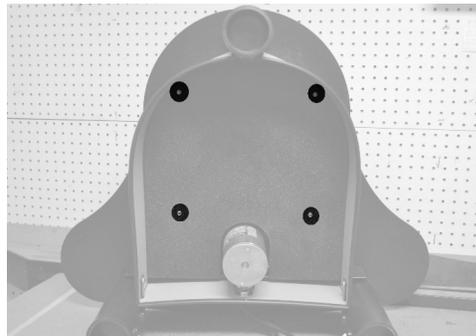
5. Install new belt by fitting the new belt over the smaller motor pulley first.



6. Lay one half of the grooved side of the belt on the large pulley and start turning the belt and pulley at the same time to "roll" the belt onto the large pulley.



7. Check that the belt is centered on both pulleys. **NOTE:** It is common for the pulleys to have more grooves than the belts.

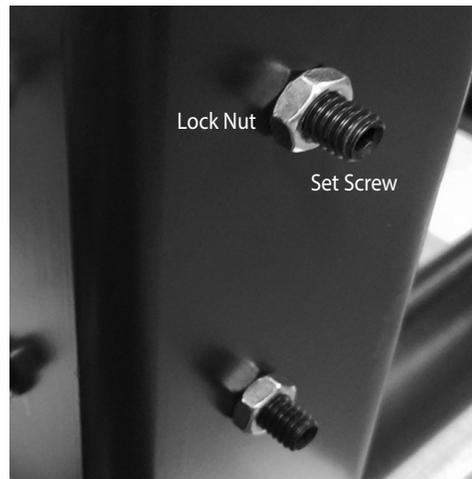


8. Place the belt guard panel back in position, then attach with the four screws removed in step 2.

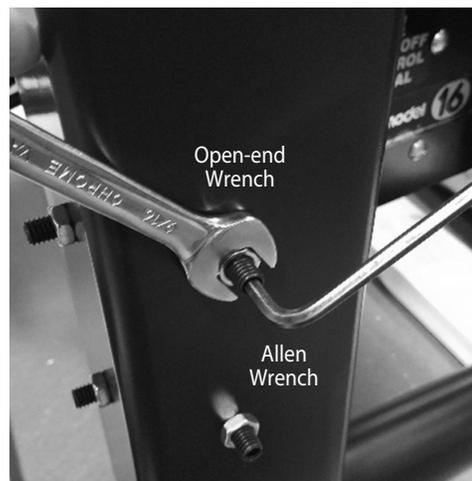
MODELS:
IE, IE-R,
and IE-X
(continued)

MAINTENANCE: SLIDE ADJUSTMENT

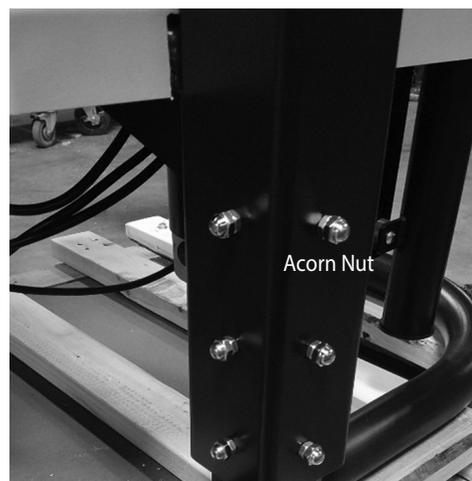
MODEL:
No. 16



1. If there is side play in the wheel or the slides are too tight for ease of height adjustment, troubleshoot the problem by first removing the acorn nuts.



2. Using the allen wrench and the open-end wrench, hold the set screw in place and loosen the lock nuts. Adjust the set screws, either left to loosen or right to tighten. Do this systematically to all set screws until the slides have proper tension.



3. Turn the handle and check to ensure that the problem has been solved. If not, continue the process of systematically adjusting the set screws. When there is proper tension on the slides and the handle easily adjusts the height of the wheel without side play, tighten the lock nuts and thread the acorn nuts back into place.

MAINTENANCE: WHEEL MOTOR BRUSH REPLACEMENT

Motor brushes should be replaced every 5000 hours of operation. This equates to a standard use of 4 hours per day, 5 days per week for 5 years. Please contact AMACO/brent FIRST when your brushes need replacing. Please email technicalsupport@amaco with a photo of your

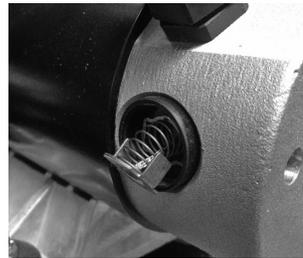
old brush, the serial number of your wheel and make of motor so the technician may help you choose the correct brushes for your wheel. Your replacement brush may come from AMACO/brent or your local distributor.

CURRENT
ELECTRIC
MOTORS

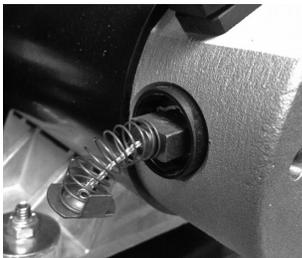
CAUTION: UNPLUG THE POWER BEFORE ATTEMPTING MOTOR SERVICE!



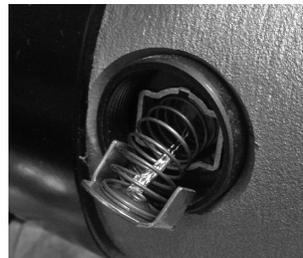
1. Carefully remove the brush cover using a standard flat-blade screwdriver or washer.



2. Once the cap is removed, the brush spring will be visible.



3. Gently pull the brush out of the holder. Note orientation of brush to ensure you can replace in same way if brush will be re-used.



4. For installation, insert the brush into the holder.



5. Use brush cover to compress brush spring. The two tabs of the brush must be aligned properly in the holder.

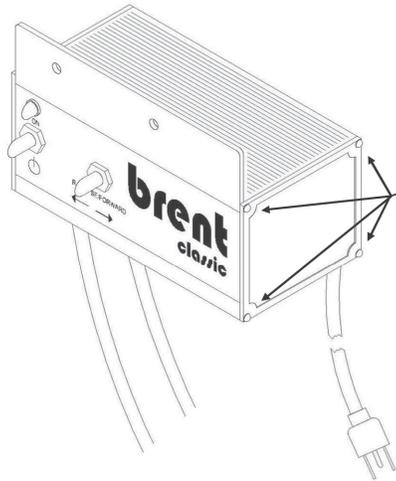


6. Use your fingers or a screwdriver to thread brush cover into holder. Be careful not to strip plastic threads. DO NOT OVER TIGHTEN.

SLOW BLOW FUSE REPLACEMENT AND INFORMATION

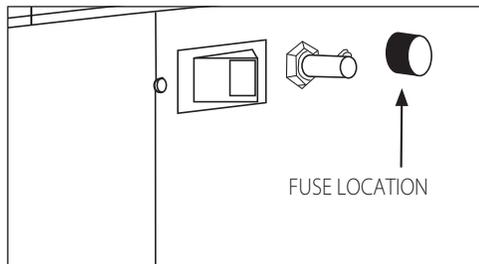
CAUTION: UNPLUG THE POWER PRIOR TO REPLACING THE SLOW BLOW FUSE!

REPLACING THE SLOW BLOW FUSE OF MODELS: B, C, CXC, EX, and #16



Remove (4) screws from the power cable side of the control box. The slow blow fuse will be behind the cover. Carefully remove the slow blow fuse, a tool may be needed to gently pry the slow blow fuse out of the socket.

REPLACING THE SLOW BLOW FUSE OF MODELS: IE, IE-R, and IE-X



The slow blow fuse is located near the power switch on the side of the ie series wheels. Push and turn the cap labeled "fuse" to remove. The cap should come out easily with the slow blow fuse attached. Pull on slow blow fuse to remove from cap. Refer to chart for replacement slow blow fuse. Push the cap in and turn to lock the new slow blow fuse into place.

SLOW BLOW FUSE INFORMATION

All slow blow fuses are 1.25" x .25" or 6.35 x 31.75mm

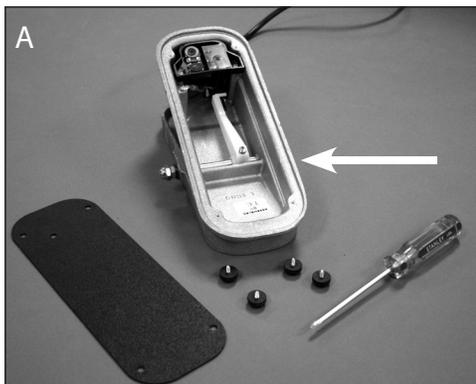
MODEL	VOLTAGE	FUSE TYPE (SLOW BLOW)
ie	110-120V	6 Amp Slow Blow
	220-240V	6 Amp Slow Blow
ie-r	110-120V	6 Amp Slow Blow
ie-x	110-120V	6 Amp Slow Blow
	220-240V	6 Amp Slow Blow
B	110-120C	20 Amp Slow Blow
	220-240V	25 Amp Slow Blow
C	110-120V	20 Amp Slow Blow
	220-240V	25 Amp Slow Blow
CXC	110-120V	20 Amp Slow Blow
	220-240V	25 Amp Slow Blow
EX	110-120V	25 Amp Slow Blow
#16	110-120V	20 Amp Slow Blow
	220-240V	25 Amp Slow Blow

TROUBLESHOOTING

The following is a list of the most common concerns that may be experienced while using your brent® potter's wheel. Most of these difficulties occur as a result of normal "wear and tear" and can be solved with ease. Our brent® wheels have up to a ten year warranty on in-house service and parts.

If you have any questions or need to order replacement parts, contact the AMACO/brent Technical Support Department at 800-999-5456.

Note: Always unplug your wheel when it is not in use to protect against power surges and lightning storms.



WHEEL HEAD
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, push plastic arm to the bottom of pedal and tighten the set screw in the base of the arm. [Fig A]
2. Turn the blue "LO" disc clockwise until wheel head stops rotating. [Fig B]

1. Ensure that the direction switch is not in neutral, if this does not solve the problem continue to step 2.

SWITCH POSITIONS: Reverse / Neutral / Forward

2. Disconnect from the power supply.
3. Check the fuse and replace if blown. (see page 14)
4. If there is power to the control box and the fuse is fine, please call brent repair for assistance.

WHEEL DOES
NOT ROTATE
WHEN POWER
IS ON

TROUBLESHOOTING (continued)

BELT IS RUBBING AGAINST THE BELT GUARD

(not applicable for ie models)



1. Lean the wheel back so that it is lying securely on its back.
2. Loosen the two bolts which hold the guard in place.
3. Adjust the guards until rubbing stops.
4. Tighten bolts.
5. If problem persists, please call brent® Repair for assistance.

FOOT PEDAL IS TOO LOOSE OR TOO TIGHT



1. Use a ½" size wrench to tighten or loosen the nut on the side of the foot pedal, as needed.

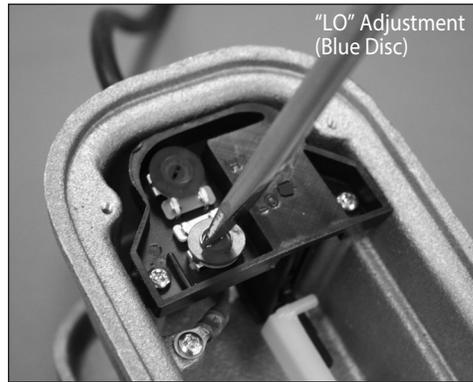
WHEEL HEAD IS NOT ROTATING, BUT THE MOTOR IS RUNNING



The belt is off its pulleys or has broken.

1. Disconnect the power supply.
2. Lean wheel back so it is resting securely on its back legs.
3. Remove belt guard.
4. Place belt in middle grooves of small pulley on motor.
5. Start belt on large pulley, then rotate large pulley until belt is on.
6. Turn wheel on and test to make sure belt stays on. (If belt continues to fall off, call brent® Repair for assistance.)
7. Reinstall belt guard.

TROUBLESHOOTING (continued)



WHEEL HEAD
ROTATES
TOO FAST
OR TOO SLOW

1. Turn foot pedal over and remove the bottom plastic cover from the pedal.
2. Locate the red disc, this is the "HI" speed adjustment.
3. Using a small standard screwdriver, rotate the red disc clockwise to increase the speed, or counter-clockwise to decrease the speed.
4. Any adjustments to the red disc may result in having to make an adjustment to the blue disc. If you increase the overall speed of the wheel, you may have to turn the blue disc clockwise to make the wheel stop when the pedal is moved to the off position. If the wheel speed is decreased, you may have to turn the blue disc counter-clockwise to increase the range of motion when the foot pedal is moved to the off position.

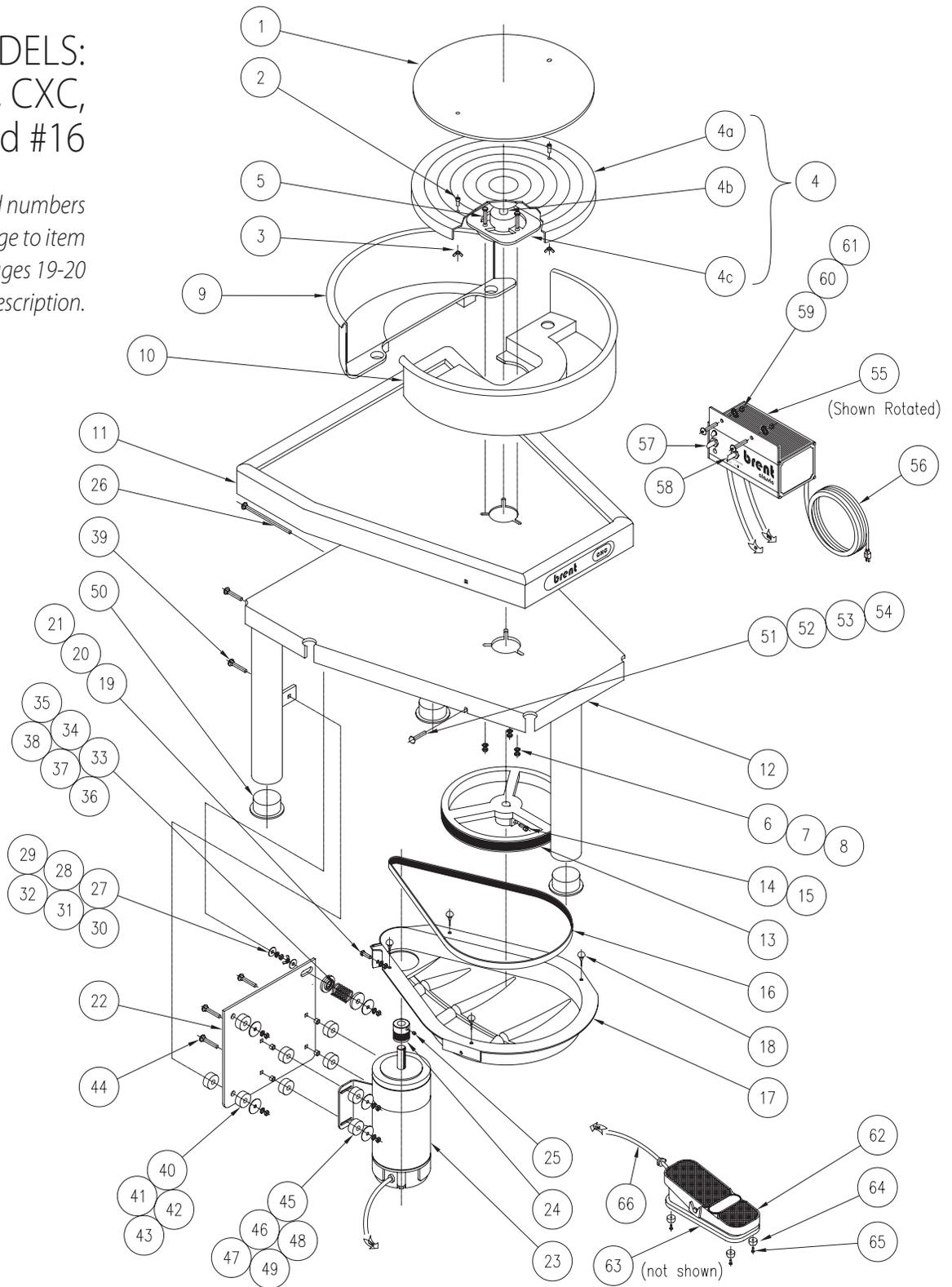
Note: The discs are very sensitive and will require very little movement, 1 to 5 degrees at a time. The wheel can be on and rotating while making this adjustment to ensure that the start point is at the desired speed.

Please note that if your screwdriver touches the silver tabs between the red and blue discs, while the wheel is connected to power, this could result in a blown circuit board.

PARTS DIAGRAM

MODELS:
B, C, CXC,
EX, and #16

Match circled numbers
on this page to item
numbers on pages 19-20
for part description.



PARTS LIST

MODELS:
B, C, CXC,
EX, and #16

ITEM #	QTY.	PART #	DESCRIPTION
		32331K for Models B, 16	
1	1	32333M for C, CXC & EX Models	Plasti-Bat
2	2	22135X	Bat Pin
3	2	Item 2 & 3 sold as set	Bat Pin Wing Nut
		22012M for B, 16	
4	1	22017T for C, CXC & EX Models	Wheel Head Assembly
4a	1	4a, 4b & 4c sold as assembly only see item 4	Wheel Head
4b	1	4a, 4b & 4c sold as assembly only see item 4	Wheel Head Shaft & Bearing
4c	1	4a, 4b & 4c sold as assembly only see item 4	Bearing Housing
5	3	5/16-18 x 1 1/4 Hex Bolt	Wheel Head Mounting Bolt
6	3	5/16 Flat Washer	Wheel Head Mounting Flat Washer
7	3	5/16 Lock Washer	Wheel Head Mounting Lock Washer
8	3	5/16-18 Hex Nut	Wheel Head Mounting Nut
9	1	22281F	Splash Pan Front
10	1	Items 9 & 10 sold as a set	Splash Pan Back
11	1	22279D	Table Top Plastic
12	1	22426W	Steel Frame and Legs
13	1	22048J	Large Drive Pulley
14	1	5/16-18 x 5/8 Square Head	Drive Pulley Lock Bolt
15	1	3/16 x 1 1/4 Key Stock	Drive Pulley Shaft Key
16	1	22926W	Drive Belt
17	1	22570W	Belt Guard
18	4	22307N	Belt Guard Vibration Snubber
19	1	1/4-20 x 3/4 Hex Bolt	Belt Guard Bolt
20	1	1/4 Lock Washer	Belt Guard Lock Washer
21	1	1/4-20 Hex Nut	Belt Guard Nut
22	1	08671C	Motor Mounting Plate
		22228N for B, 16 Wheels 22767G for C Wheel	
23		22227M for CXC Wheel 22786F for EX Wheel	Motor
24	1	22637V (set screw included)	Motor Drive Pulley (Small Pulley)
		1/4-20 x 1/4 Allen Set Screw (included with motor pulley part # 22637V)	
25	1		
26	1	5/16-18 x 5 Carriage Bolt	Drive Belt Tension Bolt
27	1	5/16 Flat Washer	Drive Belt Tension Bolt Flat Washer
28	1	5/16 Lock Washer	Drive Belt Tension Bolt Lock Washer
29	1	5/16 Hex Nut	Drive Belt Tension Bolt Nut
30	1	5/16-18 Wing Nut	Items 30, 31 & 32 Used for shipping only
31	1	5/16 Lock Washer	Items 30, 31 & 32 Used for shipping only
32	1	5/16 Flat Washer	Items 30, 31 & 32 Used for shipping only
33	1	22286L Items 33 & 35 sold as set	Tension Spring Guide Rear
34	1	22178B	Tension Spring
35	1	22286L Items 33 & 35 sold as set	Tension Spring Guide Front
36	1	5/16 Fender Washer	Drive Belt Tension Bolt Fender Washer
37	1	5/16 Lock Washer	Drive Belt Tension Bolt Lock Washer
38	1	5/16-18 Hex Nut	Drive Belt Tension Bolt Hex Nut
39	2	1/4-20 x 2 Carriage Bolt	Motor Mounting Plate Bolt
40	4	22306M	Motor Mounting Plate Bushing
41	2	1/4 Fender Washer	Motor Mounting Plate Fender Washer
42	2	1/4 Lock Washer	Motor Mounting Plate Lock Washer
43	2	1/4-20 x 2 Carriage Bolt	Motor Mounting Bolt

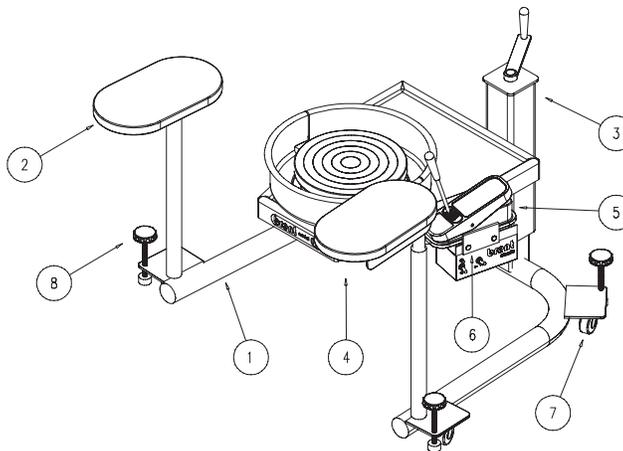
Parts list continued on page 20.

PARTS LIST

MODELS:
B, C, CXC,
EX, and #16
(continued)

ITEM #	QTY.	PART #	DESCRIPTION
45	4	Used for Manufacturing Only	Motor Mounting Bolt Retainer
46	8	22306M	Motor Mounting Bushing
47	4	1/4 Fender Washer	Motor Mounting Fender Washer
48	4	1/4 Lock Washer	Motor Mounting Lock Washer
49	4	1/4-20 Hex Nut	Motor Mounting Hex Nut
50	3	22695P	Frame Leg Plug
51	2	1/4-20 x 3/4 Hex Bolt	Belt Guard Bolt
52	2	1/4 Lock Washer	Belt Guard Flat Washer
53	2	1/4 Flat Washer	Belt Guard Lock Washer
54	2	1/4-20 Hex Nut	Belt Guard Hex Nut
55	1	22906Y for Models B, 16 22907A for C Model 22908C for CXC Model 22912F for EX Model	Classic Controller
56	1	Please call for prices and availability	Power Cord for Classic Controller
57	1	Please call for prices and availability	Power Switch for Classic Controller
58	1	Please call for prices and availability	Reversing Switch Classic Controller
59	2	1/4-20 x 1 Phillips Head Machine Screw	Controller Mounting Bolt
60	2	1/4 Star Washer	Controller Mounting Star Washer
61	2	1/4-20 Nylok Nut	Controller Mounting Nylok Nut
62	1	22035R	Foot Pedal Complete
63	1	22278C	Foot Pedal Cover
63	1	22858R	Electric Sub-assembly for Foot Pedal
63	1	22881S	Foot Pedal Tension Hardware & Arm
64	4	22273W (Mtg. Screws Included)	Foot Pedal Foot
65	4	6/32 X 3/8 Phillips Head Machine Screw	Foot Pedal Foot Mounting Screw
66	1	22945T	Foot Pedal Cord

MODEL #16
DIAGRAM



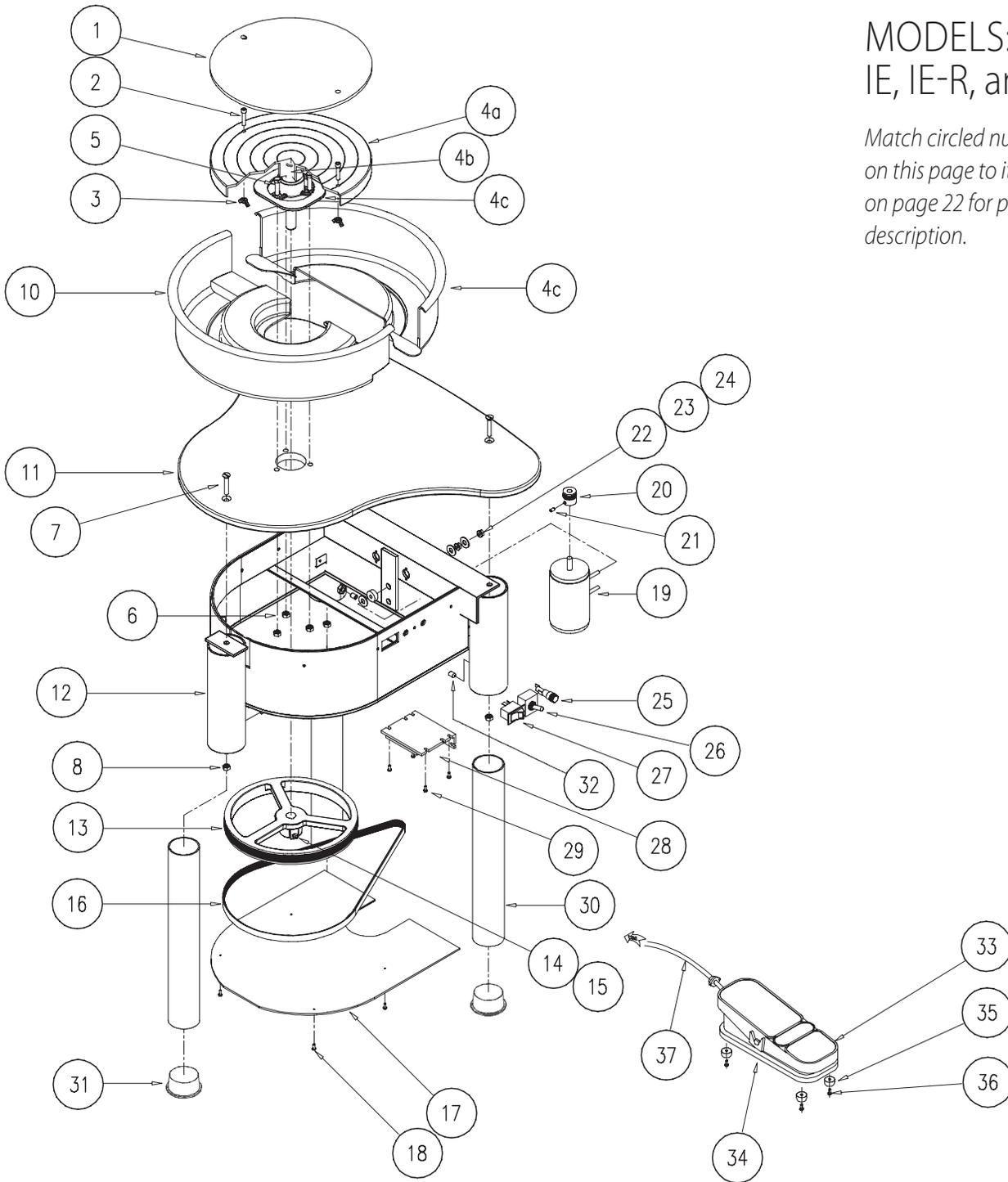
MODEL #16
ADDITIONAL
PARTS

ITEM #	QTY.	PART #	DESCRIPTION
1	1	22508S	Frame, 16 Complete
2	2	22851G	Arm Supports
3	1	22849F	Crank Assembly
4	1	22935H	Belt Guard
5	1	22823B	Foot Lever with Lever
6	1	22818T	Foot Pedal Mounting Bracket
7	4	22847C	Caster
8	4	22846D	Adjusting Foot

PARTS DIAGRAM

MODELS:
IE, IE-R, and IE-X

Match circled numbers
on this page to item numbers
on page 22 for part
description.



PARTS LIST

MODELS:
IE, IE-R, and IE-X

ITEM #	QTY.	PART #	DESCRIPTION
		32331K for IE & IE-R Models	
1	1	32333M for IE-X Models	Plasti-Bat
2	2	22135X	Bat Pin
3	2	Item 2 & 3 sold as set	Bat Pin Wing Nut
		22012M for IE & IE-R Models	
4	1	22017T for IE-X Models	Wheel Head Assembly
4a	1	4a, 4b & 4c sold as assembly only see item 4	Wheel Head
4b	1	4a, 4b & 4c sold as assembly only see item 4	Wheel Head Shaft & Bearing
4c	1	4a, 4b & 4c sold as assembly only see item 4	Bearing Housing
5	3	5/16-18 x 1 1/2 Hex Bolt	Wheel Head Mounting Bolt
6	3	5/16-18 Flange Nut	Wheel Head Mounting Nut
7	3	5/16-18 X 1 3/4 Flat Head Slotted Machine Screw	Table Top Mounting Bolt
8	3	5/16-18 Flange Nut	Table Top Mounting Nut
9	1	22281F	Splash Pan Front
10	1	Items 9 & 10 sold as a set	Splash Pan Back
11	1	08024R	Table Top IE Black
12	1	08029A	Steel Frame
13	1	22048J	Large Drive Pulley
14	1	5/16-18 x 5/8 Square Head	Drive Pulley Lock Bolt
15	1	3/16 x 1 1/4 Key Stock	Drive Pulley Shaft Key
16	1	22766F	Drive Belt
17	1	08770R	Belt Guard
18	4	1/4-20 x 3/4 Hex Bolt	Belt Guard Screws
		1 22689H for IE & IE-R Wheel	
19	1	22765E for IE-X Wheel	Motor
20	1	22626X (set screw included)	Motor Drive Pulley (Small Pulley)
		1/4-20 x 1/4 Allen Set Screw (included with motor pulley part # 22637V)	
21	1		
22	6	1/4 Fender Washer	Motor Mounting Fender Washer
23	4	5/16-18 Flange Nut	Motor Mounting Flange Nut
24	2	22306M	Motor Mounting Bushing
25	1	22134W	Fuse Holder
26	1	08780C	Reversing Switch (IE-R & IE-X only)
27	1	22117A	Power Switch
28	1	22140R	PCB Controller
29	4	#6 1/2" Pan Head Phillips Screw	PCB Controller Screws
30	3	22822A	IE Leg
31	3	22695P	Frame Leg Plug
32	6	6-20, 1/2" Self-Tapping Screw	Leg Extension Set Screws
33	1	22035R	Foot Pedal complete
34	1	22278C	Foot Pedal Tension Hardware & Arm
35	4	2273W (Mtg. Screws Included)	Foot Pedal Foot
36	4	6/32 X 3/8 Phillips Head Machine Screws	Foot Pedal Foot Mtg. Screw
37	1	22945T	Foot Pedal Cord

WARRANTY INFORMATION

- Ultimate determination of validity for warranty claims is at the discretion of AMACO/brent.
- All warranty work must be performed by an authorized brent® dealer or by the manufacturer to maintain the warranty. Any work done by someone other than an authorized dealer or the manufacturer will void this warranty.

- Warranty is non-transferable.
- Retain original purchase receipt. You will need this along with model number and serial number to obtain warranty service.
- The warranty is in effect from the date of purchase.

TERMS

The brent® potter's wheels warranty is limited to defects in materials and workmanship during the manufacturing process for up to ten years (see chart).

EQUIPMENT

WARRANTY LENGTH

brent® b, c, cxc, EX, 16 Potter's Wheels purchased after 01/01/2009

10 Years

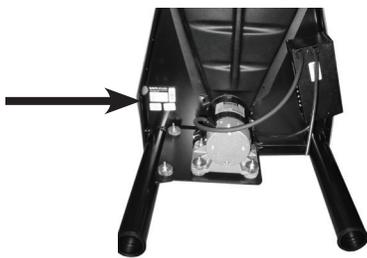
brent® ie, ie-r, ie-x Potter's Wheels purchased after 01/01/2011

5 Years

- Warranty period has expired.
- Repair or service by an unauthorized dealer.
- Damage due to abuse and/or misuse; including but not limited to improper installation, rough handling, improper storing.
- Shipping damage.
- Damage or failure due to acts of God such as, fire, flood, electrical storms, etc.
- Use other than for intended.
- Normal wear and tear on parts such as wheel heads and belts.
- Modifications to the unit in any manner.

EXCLUSIONS

Your AMACO/brent Warranty will be void if any of the following occur:



Models B, C, CXC, EX, 16



Models ie, ie-r, ie-x

If you have a problem with your brent® wheel within the warranty period, please do the following:

Call AMACO/brent technical support, 800-999-5456 or email technicalsupport@amaco.com. Please have the model and serial number ready when you call or include them in the email. The serial number, located on a sticker underneath the wheel, will help the technician know when your wheel was built to better assist you (see photos above).

You may be asked to send the defective equipment or part(s) in for inspection. The

serial number of the wheel being repaired must accompany the defective parts for the warranty to be honored. Include a note describing the nature of the problem, to save the technician time since many problems are intermittent and may not show immediately.

If it is necessary to ship wheel or parts to AMACO/brent for inspection, repair or replacement, the technician will explain how to return the defective item(s) and whether it should be sent prepaid. For your protection, insure all items shipped.

REPAIR INSTRUCTIONS

Parts and labor will be covered for valid warranty claims.

BRENT® WHEEL ACCESSORIES



BOOTIES

Set of three Leg risers to raise your wheel 2" or 4" (5.08 or 10.16cm). Product No. 22785E



WORKSTATION

Attaches to rear legs of brent® wheels. Holds tools and other supplies while throwing. Height adjustable. Product No. 22878N



LEG EXTENSIONS

Legs adjust from 35¾" to 40¾" (90.805 to 103.505 cm) in 1" (2.54 cm) increments. Product No. 22927X



WORKTABLES

Two sizes: 16" x 10" (40.64 x 25.4 cm) or 18" x 10" (45.72 x 25.4 cm). Each attaches to rear legs of brent® wheels and can be rotated or raised/lowered for custom fit. Available individually or as a set. Product No. 22879P (set)



PLAST-I-BAT®

Easy to clean, waterproof, won't swell or shrink, made of thick, rigid plastic. 8 sizes; with bat pin holes.



BLACK SPLASH PAN

Same sturdy material and easy to clean as the original gold splash pan. Product No. 22930B



BATMOBILE

Stores up to 90 bats (14" or 35.56 cm diameter), easy to assemble, 4" (10.16 cm) locking rubber casters, welded joints for stability. Product No. 22066J

Model: _____

Document Number: 08911E

Power Source: 220-240V 50 hz / 100-120V 60hz (Circle One)

Amps: _____

No. of Phases: Single phase

Year of Construction: _____



CE Approved

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TECHNICAL SUPPORT IN EUROPEAN UNION

AMACO International Operations

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