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Instruction manual

Belt Sanders

MODEL 360
3" x 24"
MODEL 362
4" x 24"



MODEL 360VS
3" x 24"
MODEL 362VS
4" x 24"



MODEL 361
3" x 24"
MODEL 363
4" x 24"



To learn more about Porter-Cable visit our website at:

<http://www.porter-cable.com>



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IMPORTANT

Please make certain that the person who is to use this equipment carefully reads and understands these instructions before starting operations.

The Model and Serial No. plate is located on the main housing of the tool. Record these numbers in the spaces below and retain for future reference.

Model No. _____

Type _____

Serial No. _____

Part No. 899713 - 04-12-02

⚠ WARNING: SOME DUST CREATED BY POWER SANDING, SAWING, GRINDING, DRILLING, AND OTHER CONSTRUCTION ACTIVITIES

contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

GENERAL SAFETY RULES

⚠ WARNING: READ AND UNDERSTAND ALL INSTRUCTIONS. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS.

WORK AREA

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

1. **Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adapter plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded.** If the tools should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.
2. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
3. **Don't expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.
5. **When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W".** These cords are rated for outdoor use and reduce the risk of electric shock.

PERSONAL SAFETY

1. **Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
2. **Dress properly. Do not wear loose clothing or jewelry. Contain long**

hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.

3. Avoid accidental starting. Be sure switch is OFF before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch ON invites accidents.

4. Remove adjusting keys or wrenches before turning the tool ON. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.

5. Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.

6. Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOLS USE AND CARE

1. Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.

2. Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.

3. Do not use tool if switch does not turn it ON or OFF. Any tool that cannot be controlled with the switch is dangerous and must be repaired.

4. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.

5. Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.

6. Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.

7. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.

8. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.


SERVICE

1. Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.









2. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance Section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

SPECIFIC SAFETY RULES AND SYMBOLS

1. Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a "live" wire will also make exposed metal parts of the tool "live" and shock the operator.

2. Use proper safety equipment. Wear safety goggles to protect your eyes, wear hearing protection to protect your ears, and wear a protective mask to minimize breathing in the fine dust created while sanding.
3. Sanding of lead-based paint is not recommended. Lead-based paint should only be removed by a professional.
4. Always maintain a firm grip on the belt sander handles with both hands to prevent loss of control.
5. Do not operate belt sander without all guards and covers securely in place.
6. Some wood contains preservatives which can be toxic. Take extra care to prevent inhalation and skin contact when working with these materials. Request, and follow, any safety information available from your material supplier.
7.  **WARNING:** There are certain applications for which this tool was designed. Porter-Cable strongly recommends that this tool NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the tool until you have written Porter-Cable and we have advised you.

Technical Service Manager
 Porter-Cable Corporation
 4825 Highway 45 North
 Jackson, TN 38305

SYMBOL	DEFINITION
V	volts
A	amperes
Hz	hertz
W	watts
kW	kilowatts
μF	microfarads
l	liters
kg	kilograms
N/cm ²	newtons per square centimeter
Pa	pascals
h	hours
min	minutes
s	seconds
	alternating current
3 	three-phase alternating current
3N 	three-phase alternating current with neutral
	direct current
n ₀	no load
	alternating or direct current
	Class II Construction
	splash-proof construction
	watertight construction
.../min	revolutions or reciprocation per minute

ADDITIONAL SAFETY RULES FOR PAINT REMOVAL

⚠ WARNING: Extreme care should be taken when removing paint. The peelings, residue, and vapors of paint may contain lead, which is poisonous. Exposure to even low levels of lead can cause irreversible brain and nervous system damage; young and unborn children are particularly vulnerable.

Before beginning any paint removal process you should determine whether the paint you are removing contains lead. This can be done by your local health department or by a professional who uses a paint analyzer to check for lead.

LEAD-BASED PAINT SHOULD ONLY BE REMOVED BY A PROFESSIONAL.

Persons removing paint should follow these guidelines:

- 1. KEEP THE WORK AREA WELL VENTILATED.** Open the windows and put an exhaust fan in one of them. Be sure the fan is moving air from inside to outside.
- 2. REMOVE OR COVER** any carpets, rugs, furniture, clothing, cooking utensils and air ducts.
- 3. PLACE DROP CLOTHS** in the work area to catch any paint chips or peelings. Wear protective clothing such as extra work shirts, overalls and hats.
- 4. WORK IN ONE ROOM AT A TIME.** Furnishings should be removed or placed in the center of the room and covered. Work areas should be sealed off from the rest of the dwelling by sealing doorways with drop cloths.
- 5. CHILDREN, PREGNANT OR POTENTIALLY PREGNANT** women and nursing mothers should not be present in the work area until the work is done and all cleanup is complete.
- 6. WEAR A DUST RESPIRATOR** or a dual filter (dust and fume) respirator mask which has been approved by the Occupational Safety and Health Administration (OSHA), the National Institute of Safety and Health (NIOSH), or the United States Bureau of Mines. These masks and replaceable filters are readily available at major hardware stores. Be sure the mask fits. Beards and facial hair may keep the masks from sealing properly. Change filters often. DISPOSABLE PAPER MASKS ARE NOT ADEQUATE.
- 7. KEEP FOOD AND DRINK** out of the work area. Wash hands, arms, and face and rinse mouth before eating or drinking. Do not smoke or chew gum or tobacco in the work area.
- 8. CLEAN UP ALL REMOVED PAINT** and dust by wet mopping the floors. Use a wet cloth to clean all walls, sills and any other surfaces where paint or dust is clinging. DO NOT SWEEP, DRY DUST OR VACUUM. Use a high phosphate detergent or trisodium (TSP) to wash and mop areas.
- 9. AT THE END OF EACH WORK SESSION** put the paint chips and debris in a double plastic bag, close it with tape or twist ties and dispose of properly.
- 10. REMOVE PROTECTIVE CLOTHING** and work shoes in the work area to avoid carrying dust into the rest of the dwelling. Wash work clothes separately. Wipe shoes off with a wet rag that is then washed with the work clothes. Wash hair and body thoroughly with soap and water.

REPLACEMENT PARTS

When servicing use only identical replacement parts.

MOTOR

Many Porter-Cable tools will operate on either D.C., or single phase 25 to 60 cycle A.C. current and voltage within plus or minus 5 percent of that shown on the specification plate on the tool. Several models, however, are designed for A.C. current only. Refer to the specification plate on your tool for proper voltage and current rating.

CAUTION: Do not operate your tool on a current on which the voltage is not within correct limits. Do not operate tools rated A.C. only on D.C. current. To do so may seriously damage the tool.

EXTENSION CORD SELECTION

If an extension cord is used, make sure the conductor size is large enough to prevent excessive voltage drop which will cause loss of power and possible motor damage. A table of recommended extension cord sizes will be found in this section. This table is based on limiting line voltage drop to 5 volts (10 volts for 230 volts) at 150% of rated amperes.

If an extension cord is to be used outdoors it must be marked with the suffix W-A or W following the cord type designation. For example – SJTW-A to indicate it is acceptable for outdoor use.

RECOMMENDED EXTENSION CORD SIZES FOR USE WITH PORTABLE ELECTRIC TOOLS

		Length of Cord in Feet									
		115V	25 Ft.	50 Ft.	100 Ft.	150 Ft.	200 Ft.	250 Ft.	300 Ft.	400 Ft.	500 Ft.
		230V	50 Ft.	100 Ft.	200 Ft.	300 Ft.	400 Ft.	500 Ft.	600 Ft.	800 Ft.	1000 Ft.
Nameplate Ampere Rating	0-2	18	18	18	16	16	14	14	12	12	
	2-3	18	18	16	14	14	12	12	10	10	
	3-4	18	18	16	14	12	12	10	10	8	
	4-5	18	18	14	12	12	10	10	8	8	
	5-6	18	16	14	12	10	10	8	8	6	
	6-8	18	16	12	10	10	8	6	6	6	
	8-10	18	14	12	10	8	8	6	6	4	
	10-12	16	14	10	8	8	6	6	4	4	
	12-14	16	12	10	8	6	6	6	4	2	
	14-16	16	12	10	8	6	6	4	4	2	
	16-18	14	12	8	8	6	4	4	2	2	
	18-20	14	12	8	6	6	4	4	2	2	

FUNCTIONAL DESCRIPTION

FOREWORD

Porter-Cable Belt Sanders are designed for smoothing rough boards, removing old paint and varnish, fine-surfacing wood, metal, plastics and other materials.

INSTALLING AND REMOVING THE ABRASIVE BELT

- CAUTION: DISCONNECT TOOL FROM POWER SOURCE.**
- Lay sander on its left side, Fig. 1.
- Pull lever (A) out and towards rear of machine as shown. This retracts idler pulley (B) and releases tension on abrasive belt.
- Old belt may now be removed easily.
- Install new belt so that arrow, printed on the inside of the belt, is on the top and pointing TOWARD the idler pulley.

NOTE: Some sanding belts are bi-directional. These bi-directional belts will not have arrows printed on them. They may be installed to run in either direction.

- Engage front pulley by pushing lever (A) back to its original position.



Fig. 1

TO START AND STOP BELT SANDERS

- Make sure switch is off and power circuit voltage is the same as the voltage shown on specification plate on the sander. Connect machine to power circuit.
- Squeeze trigger switch (A) Fig. 2, to start motor. Release trigger to stop motor.
- LOCK BUTTON** – A lock button (B) is provided to keep motor running without holding the trigger switch ON.

To lock the trigger switch ON, squeeze trigger as far as it will go, push in lock button and release trigger.

To unlock lock button, squeeze trigger and release, leaving lock button free to spring out.

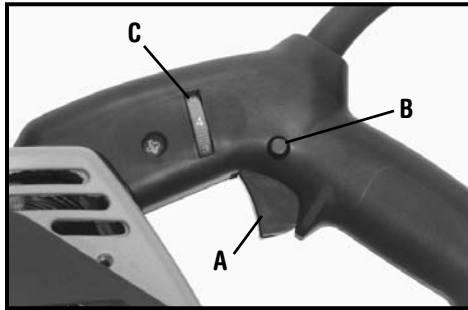


Fig. 2

VARIABLE SPEED CONTROL (Models 360VS and 362VS Only)

Models 360VS and 362VS have a Variable Speed Control. Operating speed is adjustable between 1000 SFM (surface feet per minute) and 1500 SFM.

Speed is adjusted by turning thumbwheel, (C) Fig. 2. Thumbwheel position #1 provides the slowest operating speed (1000 SFM) and position #6 the fastest (1500 SFM). Speed may be changed while the motor is running or while it is stopped.

TRACKING THE ABRASIVE BELT

NEVER allow abrasive belt to rub on frame of sander. This causes excessive wear to both the sander and belt. To prevent this, track the belt in the following manner:

- CAUTION:** Make sure trigger switch is OFF before connecting machine to power circuit.
- Turn machine over, grasping rear handle with left hand so last two fingers rest on trigger switch (Fig. 3).

3. Start motor by squeezing trigger.
4. Turn the belt aligning screw (A) in either direction until edge of belt runs flush with outer edge of rear rubber covered pulley. The edge of the belt will extend beyond edge of the front pulley.
5. Turn motor OFF and allow sander to come to a COMPLETE STOP before setting it down.



Fig. 3

ATTACHING AND CARE OF DUST BAG

Models 360, 360VS, 362 and 362VS

The dust bag is completely assembled at the factory. Attach dust bag to sander by pushing the dust bag tube into the sander vacuum housing (see Fig. 4).

For most efficient operation, empty the dust bag when it is not more than half filled. To remove, grasp dust bag tube where it enters vacuum housing and pull straight out. Unzip rear of bag and shake out dust. Occasionally turn bag inside out and brush the dust accumulations from the inside.

CAUTION: Do not operate sander without dust bag or a dust collection hose attached.



Fig. 4

OPERATION

SELECTING AN ABRASIVE BELT

The principle abrasive material used on belts for machine sanding are aluminum oxide and silicon carbide. The first is not as hard as the second, but is tougher and more suited for woods and soft (non-ferrous) metals. Silicon carbide is extremely hard and is best suited for surfacing stone, marble and glass.

Abrasives are classed as open-coated (spaced) or closed-coated, meaning that the grits are spaced apart or close together. Closed coatings provide hard, fast cutting action for hardwoods and dense metals while the open coatings are more suited to soft materials and painted surfaces.

To obtain the best finish, start with a "COARSE" grade of abrasive and change to "MEDIUM" and "FINE" grades as work progresses.

A wide range of available PORTER-CABLE Sanding Belts are listed in the back of the manual. It is recommended that you keep a full assortment on hand so you will always have the correct belt for any job you may encounter.

GENERAL SANDING

1. **CAUTION:** SECURE WORK and maintain a FIRM GRIP on sander. Friction between sanding belt and work will try to move the work backwards and the sander forwards.
2. **CAUTION:** ALWAYS be sure switch is OFF before connecting sander to power circuit.
3. HOLD SANDER OFF the work and start motor.
4. LOWER SANDER TO WORK, letting the rear part of the belt touch first. Level the machine as it is moved forward.
5. GUIDE the machine over the work in overlapping strokes allowing the sander to do the work.
6. AVOID applying excessive pressure when sanding. The weight of the machine is usually sufficient for a fast smooth finish. A slight increase in pressure may speed removal of material, while too much pressure will slow the motor and decrease removal.
7. WORK BACK and FORTH over a fairly wide area to obtain an even surface.
8. DO NOT let the machine tilt or the edge of the belt will make a deep cut into the surface.
9. DO NOT PAUSE in any one spot during the sanding operation because the belt will quickly remove material making the surface uneven.
10. LIFT SANDER FROM WORK BEFORE TURNING OFF MOTOR.
11. ALWAYS be sure motor has completely stopped before setting sander down.

FAST SANDING ON ROUGH WORK

To smooth a rough surface quickly, use a coarse grit abrasive belt. With the belt positioned diagonally across the grain, move the sander in the direction of the grain as shown in Fig. 5. Overlap the strokes well and cover the entire surface, working from both sides of the board. That is, once with the sander angled to the left and once angled to the right. Smooth the surface by guiding the sander back and forth with the grain. Change the belt to a medium grit and follow the same procedure. Finish off by thoroughly working over the grain lengthwise. Change again to a fine grit and work entirely back and forth with the grain. Always finish your work by sanding with the grain.

REMOVING OLD PAINT AND VARNISH

CAUTION: Read and follow ADDITIONAL SAFETY RULES FOR PAINT REMOVAL section of this manual.

Your sander is an excellent tool for removing old paint and varnish from flat surfaces. Two problems are common to such work. One is loading the abrasive with the material being removed and the other is overheating the paint or varnish by working too long in one place. Use a coarse grit open coat abrasive belt and a single stroke action to overcome the loading

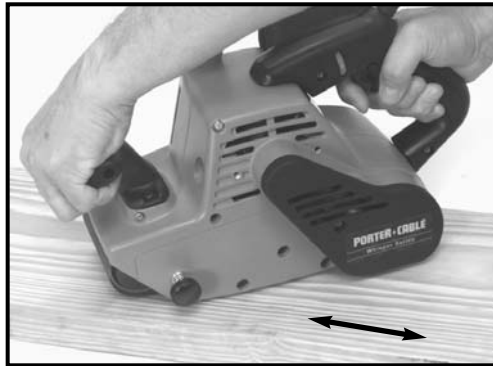


Fig. 5

problem. Lower the sander at the far end of the work and pull back. Raise the machine and do the same in a different location. Overheating can be avoided by using a fairly quick stroke and moving to another area for the next. A piece of felt about $\frac{1}{4}$ " thick can be inserted under the shoe for fast spot sanding and for working on stubborn areas of paint and varnish.

SPECIAL SANDING PROCEDURES

Ordinarily the sanding stroke is back and forth. Some materials and some types of operations, however, require a different technique. In rough sanding, use the machine at an angle. In spot sanding, use the machine with only the front pulley touching the surface. This is especially required in smoothing excess glue from wood joints. On metals, slate, marble or plastic materials, there is no grain to worry about so the sanding may be done in different directions.

DOORS AND MILL WORK

When sanding doors, cabinet frames, sash, storm windows and screens, care must be taken to avoid working into the cross grain where one member meets another. Notice that the right edge of the belt is visible on your sander and you should watch it closely as work progresses. Work carefully along the edge where the rail meets the stile. If the joint is slightly uneven, use a fine abrasive and very light sanding pressure to get it smooth before making the finishing runs.

For lengthy work on walls or other vertical surfaces, the sander can be counterbalanced with a length of sash cord, two small pulleys, a light wood frame and a weight the same as or slightly less than the weight of the sander. The frame consists of two pieces leaned against the wall with a third piece nailed across their top ends. The two pulleys are located so the weight on one end of the cord will be out of the way, but will balance the sander fastened to the other end. When starting vertical work, angle the sander so you can see the belt make contact with the material. As the belt touches, level the machine and make the stroke away and to the left. This movement will offset any tendency to cut heavily into the work at the start of the stroke.

GOOD SANDING TECHNIQUE

Getting the feel of your sander is most important in obtaining smooth results with a minimum of labor. You will quickly learn how to start the stroke with a sweeping motion that will produce the best results. Use a long even stroke without any additional pressure on the machine. Overlap each stroke and vary the length of movement so the results will be even over the entire surface. Always lift the sander from the work before starting and stopping the motor. **BE CAREFUL WHEN RUNNING OUT TO THE END OF A BOARD NOT TO LET THE FRONT OF THE MACHINE DROP**, as shown in Fig. 6. This will have the effect of rounding the edge. Keep the sander flat on the work surface.



Fig. 6

Your sander will do a perfect job for you if you will follow these few suggestions. It works very fast and can do a thorough job in a fraction of the time required by hand sanding. Do not rush the job. Give every surface a thorough working over with each grade of abrasive before changing to finer grits. Always use the abrasive material and grit size recommended for the job at hand.

SANDING METAL

Belt Sanders may be used to sand metal surfaces to obtain a grained satin finish. Special graphite pads are available to replace the steel shoe on the bottom of the sander. The softness of these pads aids in blending the graining while the sander is being passed over the surface. (See the accessories listed in the back of this manual for catalog numbers of these pads.) The 3" wide pad is the proper length for sanders using a 3" x 24" belt, and the 4" wide pad is the proper length for sanders using a 4" x 24" belt. For sanders using shorter belt lengths, cut the pad with scissors so that it is the same length as the steel shoe on the bottom of the sander. To assemble, remove the screws and clamp bar retaining the steel shoe. Replace the steel shoe with the graphite pad and reassemble.

MAINTENANCE

KEEP TOOL CLEAN

Periodically blow out all air passages with dry compressed air. All plastic parts should be cleaned with a soft damp cloth. NEVER use solvents to clean plastic parts. They could possibly dissolve or otherwise damage the material.

CAUTION: Wear safety glasses while using compressed air.

FAILURE TO START

Should your tool fail to start, check to make sure the prongs on the cord plug are making good contact in the outlet. Also, check for blown fuses or open circuit breakers in the line.

LUBRICATION

This tool has been lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. No further lubrication is necessary.

FRAME PROTECTOR

The frame protector bar is made of hardened steel. It is located, to the left and at the rear of the idler pulley and is fastened to the frame. This bar protects the frame of the machine when tracking the abrasive belt. Always adjust the belt so it moves evenly across (without rubbing) the protective bar. When this bar becomes worn and uneven, replace it with a new one (available from your Porter-Cable Service Center).

DRIVE PULLEY

The rubber-covered drive pulley at the rear of the machine is crowned or tapered from the center to either side to make the abrasive belt run true and in line with the idler pulley at the front of the machine. After considerable use, the crown will wear away and the belt will begin to run off the side of the pulley and cut into the guide block or frame. When the crown is worn to this extent, have the drive pulley replaced by your Authorized Porter-Cable Service Station. This action can be checked each time the abrasive belt is replaced and tracked. After the belt is tracked to the front pulley, watch it for a few seconds to see that it runs true and stays in place on the back pulley. Avoid getting oil and grease on the rubber cover. It will cause it to fail.

BRUSH INSPECTION AND LUBRICATION

For your continued safety and electrical protection, brush inspection and replacement on this tool should ONLY be performed by an AUTHORIZED PORTER-CABLE SERVICE STATION or a PORTER-CABLE/DELTA FACTORY SERVICE CENTER.

At approximately 100 hours of use, take or send your tool to your nearest authorized Porter-Cable Service Station to be thoroughly cleaned and inspected. Have worn parts replaced and lubricate with fresh lubricant. Have new brushes installed, and test the tool for performance.

Any loss of power before the above maintenance check may indicate the need for immediate servicing of your tool. DO NOT CONTINUE TO OPERATE TOOL UNDER THIS CONDITION. If proper operating voltage is present, return your tool to the service station for immediate service.


SERVICE AND REPAIRS

All quality tools will eventually require servicing or replacement of parts due to wear from normal use. These operations, including brush inspection and replacement, should ONLY be performed by either an AUTHORIZED PORTER-CABLE SERVICE STATION or a PORTER-CABLE/DELTA FACTORY SERVICE CENTER. All repairs made by these agencies are fully guaranteed against defective material and workmanship. We cannot guarantee repairs made or attempted by anyone other than these agencies.

Should you have any questions about your tool, feel free to write us at any time. In any communications, please give all information shown on the nameplate of your tool (model number, type, serial number, etc.).

ACCESSORIES

A complete line of accessories is available from your Porter-Cable • Delta Supplier, Porter-Cable • Delta Factory Service Centers, and Porter-Cable Authorized Service Stations. Please visit our Web Site www.porter-cable.com for a catalog or for the name of your nearest supplier.

 **WARNING:** Since accessories other than those offered by Porter-Cable • Delta have not been tested with this product, use of such accessories could be hazardous. For safest operation, only Porter-Cable • Delta recommended accessories should be used with this product.

PORTER-CABLE LIMITED ONE YEAR WARRANTY

Porter-Cable warrants its Professional Power Tools for a period of one year from the date of original purchase. We will repair or replace at our option, any part or parts of the product and accessories covered under this warranty which, after examination, proves to be defective in workmanship or material during the warranty period. For repair or replacement return the complete tool or accessory, transportation prepaid, to your nearest Porter-Cable Service Center or Authorized Service Station. Proof of purchase may be required. This warranty does not apply to repair or replacement required due to misuse, abuse, normal wear and tear or repairs attempted or made by other than our Service Centers or Authorized Service Stations.

ANY IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL LAST ONLY FOR ONE (1) YEAR FROM THE DATE OF PURCHASE.

To obtain information on warranty performance please write to: PORTER-CABLE CORPORATION, 4825 Highway 45 North, Jackson, Tennessee 38305; Attention: Product Service. THE FOREGOING OBLIGATION IS PORTER-CABLE'S SOLE LIABILITY UNDER THIS OR ANY IMPLIED WARRANTY AND UNDER NO CIRCUMSTANCES SHALL PORTER-CABLE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

**PORTER-CABLE • DELTA SERVICE CENTERS
(CENTROS DE SERVICIO DE PORTER-CABLE • DELTA)
(CENTRE DE SERVICE PORTER-CABLE • DELTA)**

**Parts and Repair Service for Porter-Cable • Delta Power Tools are Available at These Locations
(Obtenga Refaccion de Partes o Servicio para su Herramienta en los Sigüientes Centros de Porter-Cable • Delta)
(Locations où vous trouverez les pièces de rechange nécessaires ainsi qu'un service d'entretien)**

ARIZONA

Tempe 85282 (Phoenix)
2400 West Southern Avenue
Suite 105
Phone: (602) 437-1200
Fax: (602) 437-2200

CALIFORNIA

Ontario 91761 (Los Angeles)
3949A East Guasti Road
Phone: (909) 390-5555
Fax: (909) 390-5554
San Leandro 94577 (Oakland)
3039 Teagarden Street
Phone: (510) 357-9762
Fax: (510) 357-7939

COLORADO

Arvada 80003 (Denver)
8175 Sheridan Boulevard, Unit S
Phone: (303) 487-1809
Fax: (303) 487-1868

FLORIDA

Davie 33314 (Miami)
4343 South State Rd. 7 (441)
Unit #107
Phone: (954) 321-6635
Fax: (954) 321-6638
Tampa 33609
4538 W. Kennedy Boulevard
Phone: (813) 877-9585
Fax: (813) 289-7948

GEORGIA

Forest Park 30297 (Atlanta)
5442 Frontage Road, Suite 112
Phone: (404) 608-0006
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ILLINOIS

Addison 60101 (Chicago)
400 South Rohlwing Road
Phone: (630) 424-8805
Fax: (630) 424-8895
Woodridge 60517 (Chicago)
2033 West 75th Street
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Fax: (630) 910-0360

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Elkridge 21075 (Baltimore)
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Phone: (410) 799-9394
Fax: (410) 799-9398

MASSACHUSETTS

Braintree 02185 (Boston)
719 Granite Street
Phone: (781) 848-9810
Fax: (781) 848-6759
Franklin 02038 (Boston)
Franklin Industrial Park
101E Constitution Blvd.
Phone: (508) 520-8802
Fax: (508) 528-8089

MICHIGAN

Madison Heights 48071 (Detroit)
30475 Stephenson Highway
Phone: (248) 597-5000
Fax: (248) 597-5004

MINNESOTA

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MISSOURI

North Kansas City 64116
1141 Swift Avenue
P.O. Box 12393
Phone: (816) 221-2070
Fax: (816) 221-2897
St. Louis 63119
7574 Watson Road
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Fax: (314) 968-2790

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Flushing 11365-1595 (N.Y.C.)
175-25 Horace Harding Expwy.
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Fax: (718) 423-9619

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Fax: (704) 708-4625

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Cleveland 44125
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Fax: (972) 446-8157
Houston 77055
West 10 Business Center
1008 Wirt Road, Suite 120
Phone: (713) 682-0334
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