

Instruction manual

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BELT SANDER



MODEL352VS

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

PORTER-CABLE
PROFESSIONAL POWER TOOLS

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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. 899748 - 04-21-03

SAFETY GUIDELINES - DEFINITIONS

This manual contains information that is important for you to know and understand. This information relates to protecting YOUR SAFETY and PREVENTING EQUIPMENT PROBLEMS. To help you recognize this information, we use the symbols below. Please read the manual and pay attention to these sections.

⚠ DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

⚠ WARNING Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known (to the State of California) 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
- 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, always wear MSHA/NIOSH approved, properly fitting face mask or respirator when using such tools.

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 enable 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.
- 7. Use certified safety equipment.** Eye protection equipment should comply with ANSI Z87.1 standards, hearing equipment should comply with ANSI S3.19 standards, and dust mask protection should comply with MSHA/NIOSH certified respirator standards.

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.** A 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 may 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 the tool by the 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 make exposed metal parts of the tool "live" and will shock the operator.

2. Use proper safety equipment. Wear safety goggles for eye protection, wear hearing protection, 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.

▲ WARNING This tool was designed for certain applications. DO NOT modify and/or use it 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
μ F	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 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, then wash that rag 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

The Porter-Cable Variable Speed Belt Sander (Model 352VS) is designed for removing old paint and varnish, smoothing rough boards, and fine-surfacing wood, metal, plastics, and other materials.

OPERATION

INSTALLING AND REMOVING THE ABRASIVE BELT

⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.

1. Place the sander on its left side.
2. Pull the lever (A) Fig. 1 out toward the front of the machine to retract the idler pulley (B) and release the tension on the abrasive belt.
3. Remove the old belt.
4. Install the new belt with the arrow (printed on the inside of the belt) on the top and pointing TOWARD the idler pulley.

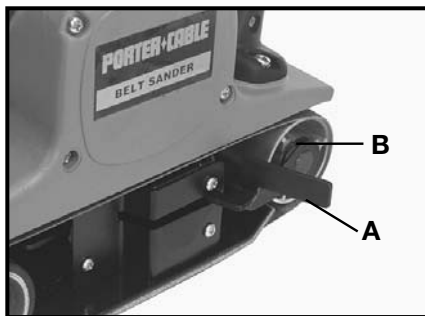


Fig. 1

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

- Engage the front pulley by pushing the lever (A) Fig. 1 back to its original position.

TO START AND STOP THE BELT SANDER

- Be certain that the the switch is off and the power circuit voltage is the same as the voltage shown on the specification plate. Connect the machine to a power circuit.
- Squeeze the trigger (A) Fig. 2 to start the motor. Release the trigger to stop the motor.
- To allow the motor to run without constantly holding the trigger, press the trigger switch (A), push the lock button (B) Fig. 2, and release the trigger switch.
- To release the lock button, squeeze the trigger and release.

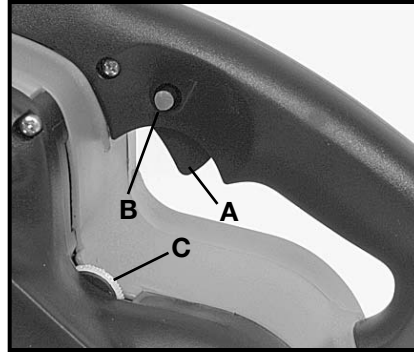


Fig. 2

VARIABLE SPEED

Model 352VS has a Variable Speed Control. The operating speed is adjustable between 850 SFM (surface feet per minute) and 1300 SFM.

The speed is adjusted by turning the thumbwheel, (C) Fig. 2. The first position provides the slowest operating speed (850 SFM) while position 6 is the fastest (1300 SFM). The speed can be changed either when the motor is running or is stopped.

TRACKING THE ABRASIVE BELT

To prevent excessive wear on both the sander and belt, **NEVER** allow the abrasive belt to rub on the sander frame. To make sure that the belt is tracking correctly, do the following:

CAUTION Make sure that the trigger switch is “OFF” before connecting the tool to the power source.

- Turn the tool over. Hold the rear handle with the left hand so that the ring finger and the little finger rest on trigger (Fig. 3).
- Squeeze the trigger to start the motor.
- Turn the belt aligning screw (A) in either direction until the edge of the belt is even with the outer edge of the rear rubber-covered pulley. The edge of the belt will extend beyond the edge of the front pulley.

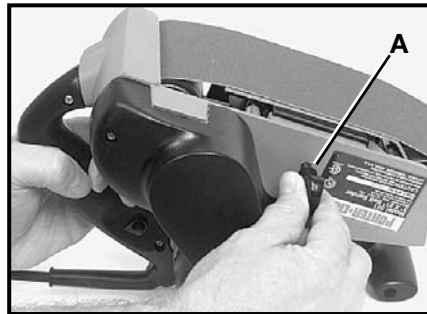


Fig. 3

4. Release the trigger to stop the motor. Allow the tool to come to a COMPLETE STOP before turning it over and putting it down.

ATTACHING AND CARE OF DUST BAG

Attach the dust bag to the sander by pushing the dust bag tube into the sander vacuum housing (Fig. 4).

For the most efficient operation, empty the dust bag when it is approximately half full. Pull the dust bag straight out of the vacuum housing, unzip the rear of the bag, and shake out the dust. Every so often, turn the bag inside out and brush the accumulated dust from the inside.



Fig. 4

⚠ CAUTION Do not operate the tool without a dust bag or a dust collection system.

SELECTING AN ABRASIVE BELT

The principle abrasive materials used on belts for machine sanding are aluminum oxide and silicon carbide. Aluminum oxide is the softer of the two, 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 (with grits spaced apart), or closed-coated (with grits close together). Closed coatings provide hard, fast cutting action for hardwoods and dense metals, while 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 then to "FINE" as work progresses.

GENERAL SANDING

⚠ CAUTION SECURE THE WORK and maintain a FIRM GRIP on the sander. Friction between the sanding belt and the work will tend to move the work backward and the sander forward.

⚠ CAUTION ALWAYS be sure that the switch is OFF before connecting the tool to the power source.

1. Hold the sander off the work before starting the motor.
2. Lower the sander to the work, touching the rear part of the belt first. Level the machine when moving it forward.
3. Guide the machine over the work in overlapping strokes. Allow the sander to do the work.
4. Avoid applying excessive pressure. The weight of the machine is usually sufficient for a fast smooth finish. A slight increase in pressure may speed removal of material, but too much pressure will slow the motor and decrease removal.

5. Work back and forth over a fairly wide area to obtain an even surface.
6. Do not let the tool tilt. The edge of the belt can make a deep cuts into the surface.
7. Do not pause in any one spot during the sanding operation. The belt will eat into the work and make the surface uneven.
8. Lift the tool from the work before turning the motor off.
9. Always be sure that the motor has completely stopped before putting the tool 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 tool in the direction of the grain (Fig. 5).

Overlap the strokes and cover the entire surface, working from both sides of the board (angle left and then angle 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.



Fig. 5

Finish by thoroughly working the grain lengthwise. Change again to a fine grit and repeat. Always finish sanding with the grain.

REMOVING OLD PAINT AND VARNISH

CAUTION Read and follow “**ADDITIONAL SAFETY RULES FOR PAINT REMOVAL**” section of this manual.

The 352VS is an excellent tool for removing old paint and varnish from flat surfaces. However, two problems are common: 1) sanding material that loads the abrasive and, 2) friction heat caused by working too long in one place. To overcome the loading problem, use a coarse grit open coat abrasive belt and a single stroke action. Overheating can be avoided by using a fairly quick stroke and moving to another area quickly. A piece of felt about 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

Generally, the operator should sand with a back and forth motion. Some materials and some types of operations, however, require a different technique. In rough sanding, use the tool at an angle. In spot sanding, use the tool with only the front pulley touching the surface (especially useful in smoothing excess glue from wood joints). On metals, slate, marble, or plastic materials, sanding can be done in all different directions because of a lack of grain.

DOORS AND MILL WORK

When sanding doors, cabinet frames, sash, storm windows and screens, take care to avoid working into the cross grain where one member meets another. Notice that the right edge of the belt is visible on the sander. 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 smooth it before making finishing runs.

For lengthy work on walls or other vertical surfaces, balance the tool with a length of sash cord, two small pulleys, a light wood frame, and a weight that is the same as, or slightly less than, the weight of the sander. The frame consists of two pieces leaning against a wall with a third piece nailed to their top ends. The two pulleys are located so that 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 that the belt makes contact with the material. As the belt touches, level the machine and make the stroke away and to the left. This movement will offset the tendency to cut heavily into the work at the start of the stroke.

GOOD SANDING TECHNIQUE

Getting to know the sander is most important in obtaining smooth results with a minimum of labor. Operators will quickly learn how to start a stroke with a sweeping motion to produce the best results. Use a long even stroke without additional pressure on the tool. Overlap each stroke and vary the length of movement so the results will be even. Always lift the tool from the work before starting and stopping the motor.

BE CAREFUL when sanding at the end of a board. Keep the tool level and flat on the work surface. Don't let the front of the tool drop. (Fig. 6). If this happens, it will round the edge.



Fig. 6

The model 352VS sander 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 sanding with each grade of abrasive before changing to finer grits. Always use the abrasive material and grit size recommended for the particular job.

SANDING METAL

Use the Belt Sander to obtain a grained satin finish on metal. A special graphite pad is available to replace the steel shoe on the bottom of the sander. The softness of this pad aids in blending the graining. The pad is the proper length for sanders using a 3" x 24" belt. For sanders using shorter belt lengths, cut the pad so that it is the same length as the steel shoe. Replace the steel shoe with the graphite pad.

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.

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 Siguietes Centros de Porter-Cable • Delta)
(Locations où vous trouvez 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	ILLINOIS Addison 60101 (Chicago) 400 South Rohlwing Rd. Phone: (630) 424-8805 Fax: (630) 424-8895 Woodridge 60517 (Chicago) 2033 West 75th Street Phone: (630) 910-9200 Fax: (630) 910-0360	MINNESOTA Minneapolis 55429 5522 Lakeland Avenue North Phone: (763) 561-9080 Fax: (763) 561-0653	Cleveland 44125 8001 Sweet Valley Drive Unit #19 Phone: (216) 447-9030 Fax: (216) 447-3097
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