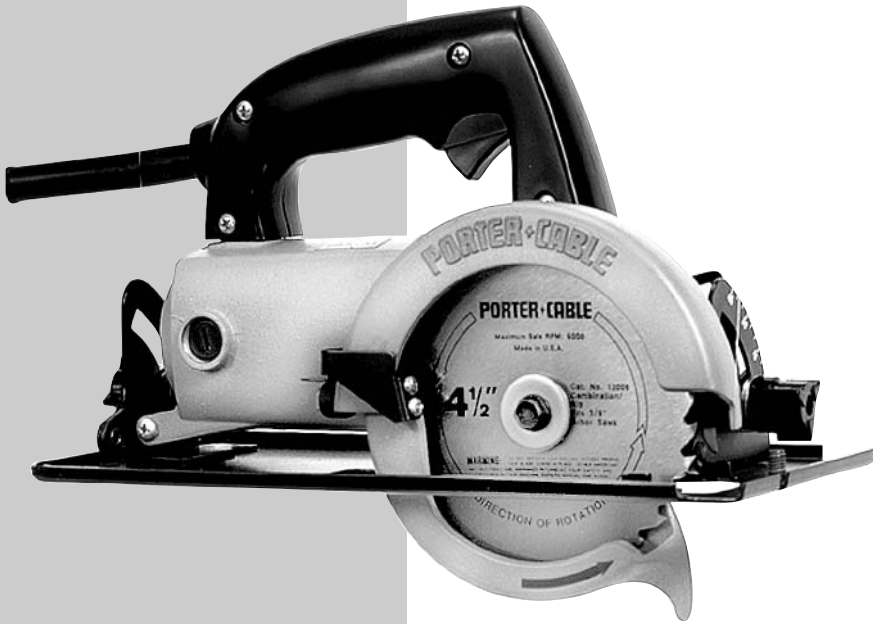


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**FRANÇAISE : PAGE 35**

# Instruction manual

# Trim Saw



MODEL 314

## 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. \_\_\_\_\_

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

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

**PORTER-CABLE**  
PROFESSIONAL POWER TOOLS

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## IMPORTANT SAFETY INSTRUCTIONS

**▲ WARNING** Read and understand all warnings and operating instructions before using any tool or equipment. When using tools or equipment, basic safety precautions should always be followed to reduce the risk of personal injury. Improper operation, maintenance or modification of tools or equipment could result in serious injury and property damage. There are certain applications for which tools and equipment are designed. Porter-Cable strongly recommends that this product 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 product until you have written Porter-Cable and we have advised you.

Online contact form at [www.porter-cable.com](http://www.porter-cable.com)

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

Information regarding the safe and proper operation of this tool is available from the following sources:

Power Tool Institute

1300 Sumner Avenue, Cleveland, OH 44115-2851

[www.powertoolinstitute.org](http://www.powertoolinstitute.org)

National Safety Council

1121 Spring Lake Drive, Itasca, IL 60143-3201

American National Standards Institute, 25 West 43rd Street, 4 floor, New York, NY 10036 [www.ansi.org](http://www.ansi.org) ANSI 01.1 Safety Requirements for Woodworking Machines, and the U.S. Department of Labor regulations [www.osha.gov](http://www.osha.gov)

**SAVE THESE INSTRUCTIONS!**

## SAFETY GUIDELINES - DEFINITIONS

It is important for you to read and understand this manual. The information it contains relates to protecting YOUR SAFETY and PREVENTING PROBLEMS. The symbols below are used to help you recognize this information.



### **▲ 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 a potentially hazardous situation which, if not avoided, may result in property damage.

## CALIFORNIA PROPOSITION 65

### **▲ 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 all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings listed below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.



SAVE THESE INSTRUCTIONS

### 1) Work area safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **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.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control

### 2) Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock
- b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

### 3) Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use safety equipment. Always wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Avoid accidental starting. Ensure the switch is in the off-position before plugging in.** Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.

## GENERAL SAFETY RULES\* continued

- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust-related hazards.

### 4) Power tool use and care

- a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

### 5) Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

## ADDITIONAL SPECIFIC SAFETY RULES

### Safety Instructions for All Saws

#### ▲ DANGER

- a) **Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing.** If both hands are holding the saw, they cannot be cut by the blade.
- b) **Do not reach underneath the workpiece.** The guard cannot protect you from the blade below the workpiece.
- c) **Adjust the cutting depth to the thickness of the workpiece.** Less than a full tooth of the blade teeth should be visible below the workpiece.
- d) **Never hold piece being cut in your hands or across your leg. Secure the workpiece to a stable platform.** It is important to support the work properly to minimize body exposure, blade binding, or loss of control.
- e) **Hold power 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 power tool "live" and shock the operator.
- f) **When ripping always use a rip fence or straight edge guide.** This improves the accuracy of cut and reduces the chance of blade binding.
- g) **Always use blades with correct size and shape (diamond versus round) of arbor holes.** Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.
- h) **Never use damaged or incorrect blade washers or bolt.** The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.

### Kickback Safety Instructions

Causes and Operator Prevention of Kickback:

- Kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator.
- When the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator.
- If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.

Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

- i) **Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade.** Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.
- j) **When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur.** Investigate and take corrective actions to eliminate the cause of blade binding.











- k) **When restarting a saw in the workpiece, centre the saw blade in the kerf and check that saw teeth are not engaged into the material.** If saw blade is binding, it may walk up or kickback from the workpiece as the saw is restarted.
- l) **Support large panels to minimize the risk of blade pinching and kickback.** Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.
- m) **Do not use dull or damaged blades.** Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.
- n) **Blade depth and bevel adjusting locking levers must be tight and secure before making cut.** If blade adjustment shifts while cutting, it may cause binding and kickback.
- o) **Use extra caution when making a "plunge cut" into existing walls or other blind areas.** The protruding blade may cut objects that can cause kickback.

## Lower Guard Safety Instructions

- p) **Check lower guard for proper closing before each use. Do not operate the saw if lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position.** If saw is accidentally dropped, lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.
- q) **Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use.** Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.
- r) **Lower guard should be retracted manually only for special cuts such as "plunge cuts" and "compound cuts." Raise lower guard by retracting handle and as soon as blade enters the material, the lower guard must be released.** For all other sawing, the lower guard should operate automatically.
- s) **Always observe that the lower guard is covering the blade before placing saw down on bench or floor.** An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.

## Other Safety Instructions

- t) **Wear eye and hearing protection. Always use safety glasses.** Everyday eyeglasses are NOT safety glasses. USE CERTIFIED SAFETY EQUIPMENT. Eye protection equipment should comply with ANSI Z87.1 standards. Hearing equipment should comply with ANSI S3.19 standards.
- u) **Take precautions against dust inhalation.** The dust generated by certain woods and wood products can be injurious to your health. Always operate machinery in well-ventilated areas, and provide for proper dust removal. Use wood dust collection systems whenever possible. Also, use face or dust mask if cutting operation is dusty. Dust mask protection should comply with MSHA/NIOSH certified respirator standards. Splinters, air-borne debris, and dust can cause irritation, injury, and/or illness.
- v) **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.

<b>SYMBOL</b>	<b>DEFINITION</b>
V	volts
A	amperes
Hz	hertz
W	watts
kW	kilowatts
F	farads
μF	microfarads
l	litres
g	grams
kg	kilograms
bar	bars
Pa	pascals
h	hours
min	minutes
s	seconds
$n_0$	no-load speed
.../min or ...min <sup>-1</sup>	Revolutions or reciprocations per minute
 or d.c.	direct current
 or a.c.	alternating current
2 	two-phase alternating current
2N 	two-phase alternating current with neutral
3 	three-phase alternating current
3N 	three-phase alternating current with neutral
 A	rated current of the appropriate fuse-link in amperes
	time-lag miniature fuse-link where X is the symbol for the time/current characteristic, as given in IEC 60127
	protective earth
	class II tool
IPXX	IP symbol



## 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	14	12	10	8	6	4
	2-3	18	18	16	14	12	10	8	6	4	2
	3-4	18	18	16	14	12	10	8	6	4	2
	4-5	18	18	14	12	10	8	6	4	2	2
	5-6	18	16	14	12	10	8	6	4	2	2
	6-8	18	16	12	10	8	6	4	2	2	2
	8-10	18	14	12	10	8	6	4	2	2	2
	10-12	16	14	10	8	6	4	2	2	2	2
	12-14	16	12	10	8	6	4	2	2	2	2
	14-16	16	12	10	8	6	4	2	2	2	2
	16-18	14	12	8	8	6	4	2	2	2	2
	18-20	14	12	8	6	6	4	4	2	2	2

## FUNCTIONAL DESCRIPTION

### FOREWORD

Your Porter-Cable Trim Saw is designed for cutting trim, composition board, plywood, plastics, plexiglas, and other problem materials. Maximum depth of cut is 1-5/16" at 90° and 1-1/16" at 45° with 4-1/2" diameter blade.

## CARTON CONTENTS

Contents of the packaging carton include the saw, a 3/8" wrench, a 5/32" hex wrench, a parts list, and an instruction manual.

## ASSEMBLY

**NOTE:** This tool is shipped completely assembled. No assembly time or tools are required.

## OPERATION

### SELECTING THE BLADE

A combination blade is furnished with your saw and is an excellent blade for all general ripping and crosscutting operations. When crosscutting and smoothness of cut is an important factor, use a thin-rim blade. Use a fine tooth blade when cutting plywood and masonite. Special blades are available for cutting plexiglas and “problem materials” (metal, laminates, and gauge-size sheet steel).

### TO CHANGE SAW BLADES

**▲WARNING** DISCONNECT TOOL FROM POWER SOURCE.

To remove the blade, place the teeth of the blade against the edge of a board and loosen the blade retaining screw by turning it counterclockwise with the provided wrench. Remove the blade retaining screw and the outer flange. Hold the telescoping guard open and remove the blade. Before installing a new blade, remove the inner flange and wipe it clean. Also remove any sawdust that may have accumulated in the guards, around the saw arbor, and from the telescoping guard spring. Check the telescoping guard to ensure that it is in working order.

**▲CAUTION** If telescoping guard movement is sluggish or binding exists, return the saw to your nearest AUTHORIZED PORTER-CABLE SERVICE STATION or PORTER-CABLE SERVICE CENTER for repair. NEVER use your saw if the telescoping guard is not in working order.

Clean and replace the outer flange making certain the square hole mates with the squared end of the saw arbor. Install the blade with the teeth pointing “**UP**” at the front of the saw. Firmly tighten the blade retaining screw.

### INSTALLING PLEXIGLAS BLADE

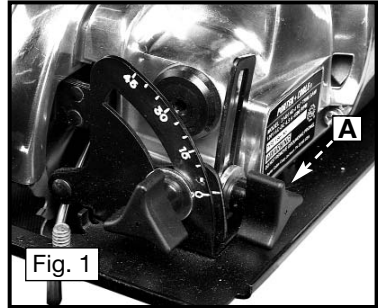
**NOTE:** Use the following installation procedure **ONLY** for cutting plexiglas.

Install a special plexiglas-cutting blade with the teeth pointing “**DOWN**” at the front of the saw.

## TO ADJUST DEPTH OF CUT

**⚠ WARNING** DISCONNECT TOOL FROM POWER SOURCE.

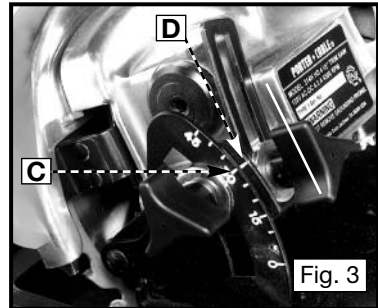
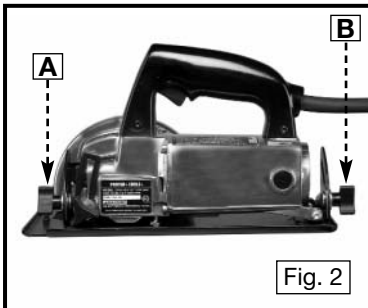
Loosen the depth adjusting knob (A) Fig. 1, and raise or lower the saw housing until the blade extends the desired distance below the base. For best results, the blade should barely protrude through the workpiece. Firmly tighten the knob to hold the saw in position.



## TO ADJUST FOR BEVEL CUTS

**⚠ WARNING** DISCONNECT TOOL FROM POWER SOURCE.

Loosen the front (A) Fig. 2 and rear (B) Fig. 2 angle-adjusting knobs. Tilt the saw housing until the desired graduation mark (C) Fig. 3 lines up with the indicating line (D) Fig. 3 on the depth adjusting bracket. Firmly tighten the knobs to hold the saw in the selected position.



## TO ATTACH THE BASE INSERT

The base insert is used to reduce chipping and splintering of the top fibers of plywood and paneling when used in conjunction with a fine tooth blade. When the base insert is used, it is not necessary to have the good or finished side of the work down during the cutting operation.

**NOTE:** Do not use this insert when making bevel cuts.

**⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.**

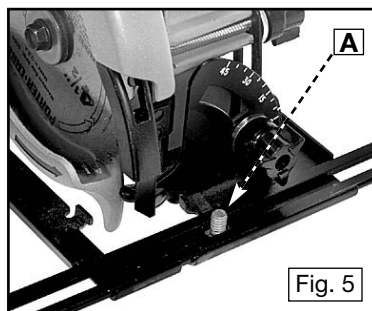
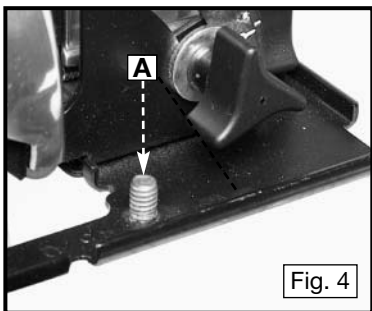
Adjust the saw for the minimum depth of cut. Place the slot of the insert around the stud (A) Fig. 4 on the front of the saw base. Install a flat washer and thumb nut to the stud loosely. Adjust the saw for the desired depth of cut, and align the insert so that the saw blade is centered in the slot in the insert. Tighten the thumb nut firmly.

**TO ATTACH THE RIP GUIDE**

**⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.**

Adjust the saw for the minimum depth of cut. Place the slot in the rip guide over the stud (A) Fig. 5 on the front of the saw base.

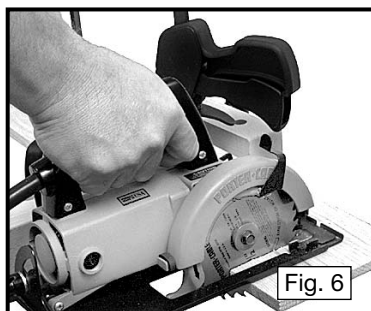
Install a flat washer and thumb nut on the stud loosely. Adjust the guide to the desired width of cut. Take into consideration the blade thickness and set. Tighten the thumb nut firmly.



**HOW TO USE THE SAW**

**⚠ WARNING DO NOT** use your saw if the telescoping guard is not in working order. If telescoping guard binds or is sluggish, return the saw to your nearest **AUTHORIZED PORTER-CABLE SERVICE STATION** or **PORTER-CABLE SERVICE CENTER FOR REPAIR.**

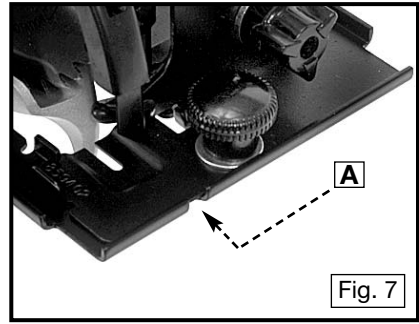
**⚠ WARNING** Support the work properly and hold the saw firmly to prevent loss of control which could cause injury. See Fig. 6 for the proper way to hold this tool.



## TO FOLLOW THE LINE OF CUT

A notch is provided on the front edge of the base to assist in following the line of cut marked on the workpiece.

The left edge of the notch (A) Fig. 7 is marked "45". Use this edge to follow the line when making 45 degree bevel cuts. The right edge of the notch is marked "0". Use this edge to follow the line when making 90 degree cuts.



### **⚠ WARNING GUARD AGAINST KICKBACK.**

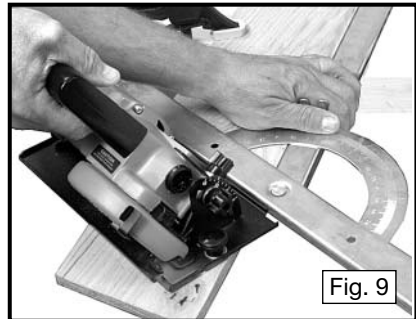
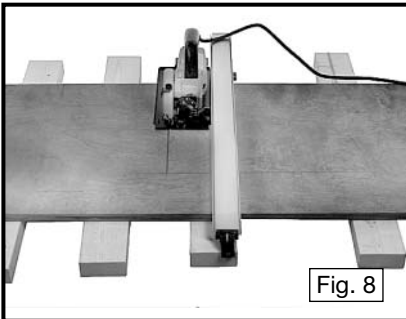
Kickback occurs when the blade is pinched and the saw is driven back toward the operator. Keep your body to side of the saw. Stay alert and maintain a firm grip on the saw. Release the switch immediately if the blade binds or the saw stalls. Keep your blades sharp. Support the panels (Fig. 8). Use a fence or a straight edge guide when ripping. **DO NOT** force the tool. **DO NOT** remove the saw from the workpiece while the blade is moving.

## CROSSCUTTING AND BEVEL CUTS

Support the workpiece on a firm bench, saw horse, or other rigid support and securely hold it in place. Extend the end to be cut off beyond and to the right of the support. Clear the area beneath the line of cut of all objects that would interfere with the blade protruding through the workpiece.

Place the front edge of the saw base squarely on the work and keep the tip of the saw blade clear of the work. Depress the switch trigger and allow the saw motor to reach full speed. Maintain the relationship of the notch in the front edge of the base with a marked line on the workpiece. Advance the saw steadily through the workpiece. Do not force the saw through the workpiece. At the completion of the cut, release the switch trigger.

Bevel cuts are made in the same manner as cross-cuts, except that the saw base is tilted to the desired angle. An optional protractor gauge (A) Fig. 9 is available to aid in cutting compound angles. This gauge is also useful for crosscutting operations.



## RIPPING

Ripping is cutting wood lengthwise. This operation is performed the same as crosscutting with the exception of supporting the workpiece. If the workpiece is supported on a large table, bench, or floor, several pieces of scrap stock approximately one inch thick should be placed beneath the workpiece to allow clearance for the protruding section of the blade. Large sheets of paneling or thin plywood supported on saw horses should have 2 x 4's placed lengthwise between the horses and the workpiece to prevent it from sagging.

For narrow rip cuts, use the rip guide (A) Fig. 10 (available as an accessory). Guide the saw by keeping the inner face of the rip guide (A) tight against the edge of the board.

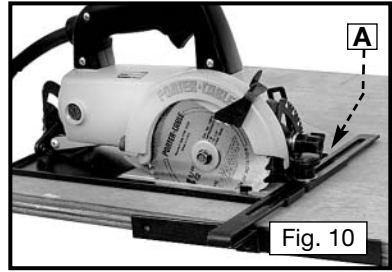


Fig. 10

## PANEL CUTS

For making wide cuts (plywood, paneling, etc.), use a wooden guide strip. Clamp or tack this strip to the workpiece far enough back from the line of cut to act as a fence for the left edge of the saw base (Fig. 11). The location of this strip will have to allow for the distance from the left side of the base to the blade so that the blade will cut exactly where desired. This strip should extend beyond each end of the workpiece.

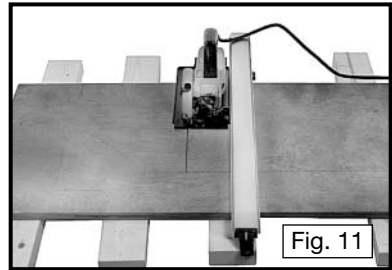


Fig. 11

**CAUTION** Support the material being cut with 2 x 4's or scrap material to provide blade clearance beneath the material and to provide a firm work surface.

## POCKET CUTS

A pocket cut starts inside the workpiece and not from the edge. Mark the area clearly with lines on all sides. Start near the corner of one side and place the front edge of the saw base firmly on the workpiece. Hold the saw up so that the blade clears the workpiece. Adjust the blade properly for the depth of cut. For best results, adjust the blade so that it barely protrudes through the workpiece. Push the telescoping guard lever all the way forward so that the blade is exposed (Fig. 12). Be very careful not to contact the blade. Start the motor and lower the blade into the work. After the blade has cut through and the base rests flat on the work, follow your marked line to the corner. Use a keyhole or bayonet saw to cut the corners.

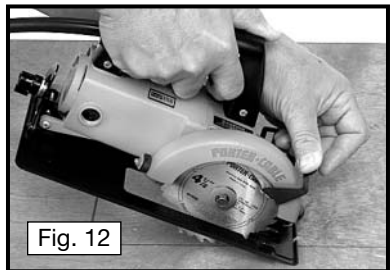


Fig. 12

## TROUBLESHOOTING GUIDE

For assistance with your tool, visit our website at [www.porter-cable.com](http://www.porter-cable.com) for a list of service centers or call the Porter-Cable help line at 1-800-487-8665.

## 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.

**⚠ WARNING** Wear ANSI Z87.1 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

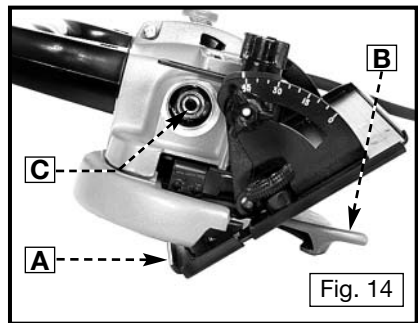
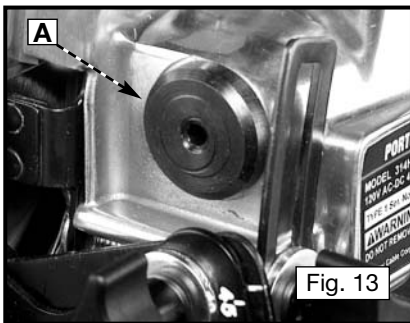
Although all Porter-Cable tools have been thoroughly lubricated with a sufficient amount of high grade lubricant at the time of manufacture, check the oil level in the gear chamber before using your saw and periodically thereafter. To check the oil level:

**⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.**

1. Remove the saw blade to prevent accidental contact when checking the oil level.
2. Adjust the saw for the maximum depth of cut and 45 degree bevel cut. Firmly tighten all knobs.
3. Connect the power to the tool. Turn the saw "ON" and run it for approximately two minutes.

**⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.**

4. Loosen the oil plug (A) Fig. 13 with the provided wrench.
5. Remove the oil plug and seal. Set the saw on a level surface so that it rests on points (A) and (B) (Fig. 14).
6. Gear lubricant should be level with the bottom of the hole (C) but should not run out. If the level is low, add a small amount of lubricant (90 weight gear oil, furnished with your saw) until it is even with the bottom of the hole.
7. **NOTE: DO NOT OVERFILL.** The pressure created by the pumping action of the gears could force the lubricant through the seals and into the motor chamber, causing damage to the motor.
8. Install the oil plug and gasket.
9. Replace the saw blade.





## BRUSH INSPECTION

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 lubricated 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

### REPLACEMENT PARTS

When servicing use only identical replacement parts. For a service parts list or to learn more about Porter-Cable visit our website at [www.porter-cable.com](http://www.porter-cable.com)

### SERVICE AND REPAIRS

All quality tools will eventually require servicing, or replacement of parts due to wear from normal use. For assistance with your tool, visit our website at [www.porter-cable.com](http://www.porter-cable.com) for a list of service centers or call the Customer Care Department at **1-800-487-8665**. All repairs made by our service centers are fully guaranteed against defective material and workmanship. We cannot guarantee repairs made or attempted by others.

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](http://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.

## **WARRANTY**

### **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 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 Diego 92111

7638 Clairemont Blvd.  
Phone: (858) 277-9595  
Fax: (858) 277-9696

San Leandro 94577 (Oakland)

3039 Teagarden Street  
Phone: (510) 357-9762  
Fax: (510) 357-7939

## COLORADO

Avrard 80003 (Denver)  
8175 Sheridan Blvd., 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  
Fax: (404) 608-1123

## ILLINOIS

Addison 60101 (Chicago)  
400 South Rohlfing Rd.  
Phone: (630) 424-8805  
Fax: (630) 424-8895

Woodridge 60517 (Chicago)

2033 West 75th Street  
Phone: (630) 910-9200  
Fax: (630) 910-0360

## MARYLAND

Elkridge 21075 (Baltimore)  
7397-102 Washington Blvd.  
Phone: (410) 799-9394  
Fax: (410) 799-9398

## MASSACHUSETTS

Franklin Industrial Park  
Franklin Industrial Park  
101E Constitution Blvd.  
Phone: (608) 520-8802  
Fax: (608) 528-8089

## MICHIGAN

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

## MINNESOTA

Minneapolis 55429  
5522 Lakeland Avenue North  
Phone: (763) 561-9080  
Fax: (763) 561-0653

## MISSOURI

North Kansas City 64116  
1141 Swift Avenue  
Phone: (816) 221-2070  
Fax: (816) 221-2897

St. Louis 63119

7574 Watson Road  
Phone: (314) 968-9950  
Fax: (314) 968-2790

## NEW YORK

Flushing 11365-1595 (N.Y.C.)  
175-25 Horace Harding Expwy.  
Phone: (718) 225-2040  
Fax: (718) 423-9619

## NORTH CAROLINA

Charlotte 28270  
9129 Monroe Road, Suite 115  
Phone: (704) 841-1176  
Fax: (704) 708-4625

## OHIO

Columbus 43214  
4560 Indianola Avenue  
Phone: (614) 263-0929  
Fax: (614) 263-1238

Cleveland 44125

8001 Sweet Valley Drive  
Unit #19  
Phone: (216) 447-9030  
Fax: (216) 447-3097

## OREGON

Portland 97230  
4916 NE 122 nd Ave.  
Phone: (503) 252-0107  
Fax: (503) 252-2123

## PENNSYLVANIA

Willow Grove 19090 (Philadelphia)  
520 North York Road  
Phone: (215) 658-1430  
Fax: (215) 658-1433

## TEXAS

Carrollton 75006 (Dallas)  
1300 Interstate 35 N, Suite 112  
Phone: (972) 446-2996  
Fax: (972) 446-8157

Houston 77043

4321 Sam Houston Parkway, West  
Suite 180  
Phone: (713) 983-9910  
Fax: (713) 983-6645

## WASHINGTON

Auburn 98001 (Seattle)  
3320 West Valley HWY, North  
Building D, Suite 111  
Phone: (253) 333-8353  
Fax: (253) 333-9613

Authorized Service Stations are located in many large cities. Telephone **800-487-8665** or **731-541-6042** for assistance locating one. Parts and accessories for Porter-Cable • Delta products should be obtained by contacting any Porter-Cable • Delta Distributor, Authorized Service Center, or Porter-Cable • Delta Factory Service Center. If you do not have access to any of these, call **888-848-5175** and you will be directed to the nearest Porter-Cable • Delta Factory Service Center. Las Estaciones de Servicio Autorizadas están ubicadas en muchas grandes ciudades. Llame al **800-487-8665** ó al **731-541-6042** para obtener asistencia a fin de localizar una. Las piezas y los accesorios para los productos Porter-Cable • Delta deben obtenerse poniéndose en contacto con cualquier distribuidor Porter-Cable • Delta, Centro de Servicio Autorizado o Centro de Servicio de Fábrica Porter-Cable • Delta. Si no tiene acceso a ninguna de estas opciones, llame al **888-848-5175** y le dirijirán al Centro de Servicio de Fábrica Porter-Cable • Delta más cercano. Des centres de service agréés sont situés dans beaucoup de grandes villes. Appelez au **800-487-8665** ou au **731-541-6042** pour obtenir de l'aide pour en repérer un. Pour obtenir des pièces et accessoires pour les produits Porter-Cable • Delta, s'adresser à tout distributeur Porter-Cable • Delta, centre de service agréé ou centre de service d'usine Porter-Cable • Delta. Si vous n'avez accès à aucun de ces centres, appeler le **888-848-5175** et on vous dirigera vers le centre de service d'usine Porter-Cable • Delta le plus proche.

## CANADIAN PORTER-CABLE • DELTA SERVICE CENTERS

### ALBERTA

Bay 6, 2520-23rd St. N.E.  
Calgary, Alberta  
T2E 8L2  
Phone: (403) 735-6166  
Fax: (403) 735-6144

### BRITISH COLUMBIA

8520 Baxter Place  
Burnaby, B.C.  
V5A 4T8  
Phone: (604) 420-0102  
Fax: (604) 420-3522

### MANITOBA

1699 Dublin Avenue  
Winnipeg, Manitoba  
R3H 0H2  
Phone: (204) 633-9259  
Fax: (204) 632-1976

### ONTARIO

505 Southgate Drive  
Guelph, Ontario  
N1H 6M7  
Phone: (519) 767-4132  
Fax: (519) 767-4131

### QUÉBEC

1515 Ave.  
St-Jean Baptiste, Suite 160  
Québec, P.Q.  
G2E 5E2  
Phone: (418) 877-7112  
Fax: (418) 877-7123  
  
1447, Begin  
St-Laurent, (Mtl), P.Q.  
H4R 1V8  
Phone: (514) 336-8772  
Fax: (514) 336-3505

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