

**Instruction
manual**

Routers



MODEL 890



MODEL 891



MODEL 8931

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. _____

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PORTER-CABLE
PROFESSIONAL POWER TOOLS

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 a 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. **Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double Insulation  eliminates the need for the three wire grounded power cord and grounded power supply system.
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. Do not 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 RULES AND SYMBOLS

1. **▲ WARNING HOLD TOOL BY INSULATED GRIPPING SURFACES WHEN PERFORMING AN OPERATION WHERE THE CUTTING TOOLS MAY CONTACT HIDDEN WIRING OR ITS OWN CORD.** Contact with a “live” wire will make exposed metal parts of the tool “live” and shock the operator.
2. **DISCONNECT TOOL FROM POWER SOURCE** before making adjustments or changing bits.
3. **TIGHTEN COLLET NUT** securely to prevent the bit from slipping.
4. **USE A CLAMP** or some other device to hold the workpiece rigidly in position, and clear the path of the tool of obstructions.
5. **PROVIDE CLEARANCE** under workpiece for router bit when through-cutting.
6. **CHECK TO SEE THAT THE CORD** will not “hang up” during routing operation.
7. **CLEAR THE ROUTER BIT AREA** before starting motor.
8. **MAINTAIN FIRM GRIP** on router to resist starting torque.
9. **KEEP HANDS CLEAR OF BIT** when motor is running to prevent personal injury.
10. **KEEP CUTTING PRESSURE CONSTANT.** Do not overload motor.
11. **LET THE MOTOR COME TO A COMPLETE STOP** before putting the tool down.
12. **NEVER TOUCH** router bits after use. They may be extremely hot.
13. **NEVER TIGHTEN COLLET NUT** without a bit.
14. **DO NOT USE ROUTER BITS** with a diameter in excess of 2-1/2" at RPM above 13,000. Router bits up to 3-1/2" in diameter can be used when speed control is set for 13,000 RPM or less.
15. **ALWAYS KEEP CHIP SHIELD** clean and in place.
16. **AVOID “CLIMB-CUTTING”** (see “Using The Router” section in this manual). “Climb-cutting” increases the chance for loss of control resulting in possible personal injury.
17. **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.
18. **▲ 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

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.

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

Porter-Cable routers are designed for continuous, rugged operation to handle the most demanding production applications.

ASSEMBLY

INSTALLING AND REMOVING THE BIT

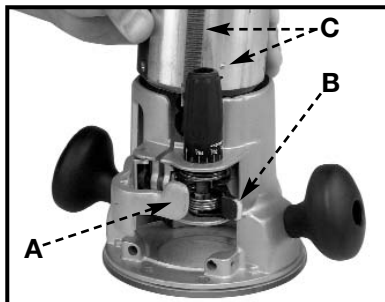


Fig. 1

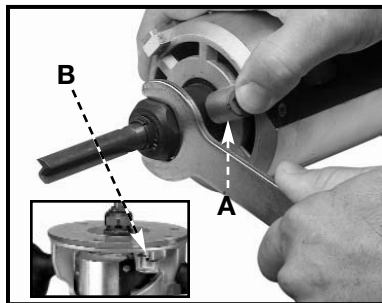


Fig. 2

⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.

- To remove the motor unit from the base unit:
 - Open the clamp (A) Fig. 1.
 - While holding base, pull lever (B).
 - Lift the power unit free from the base unit.
- Clean and insert the shank of the bit into the collet until the shank bottoms, then back it out approximately 1/16".
- Lay the power unit on its side on a bench with the collet pointing **AWAY** from you.
- Press the spindle lock button (A) Fig. 2.

NOTE: You can change the bit with the motor in the base by lifting and turning the spindle lock actuator (B) inset, Fig. 2. **NOTE:** the spindle lock will not work when the tool is "ON".

5. Place the wrench on the collet and tighten COUNTER-CLOCKWISE. Tighten firmly.
6. To remove the bit, reverse the procedure.

CAUTION Avoid possible damage to collet. Never tighten collet without a bit.

INSTALLING THE MOTOR

⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.

1. Open the clamp (A) Fig. 1 and set the power unit in the base unit.
2. Align the rack and pin (C) Fig. 1 of the power unit with the grooves in the base, pull the lever (B) Fig. 1, and lower the motor into the base.
3. Close the clamp (A).
4. Reverse the procedure to remove.

ADJUSTING DEPTH OF CUT

⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.

1. Open the clamp (A) Fig. 3.
2. Set the tool on a flat surface.
3. Pull the lever (B) Fig. 1 and rotate the knob (B) (Fig. 3) until the bit touches the work.
4. Close the clamp (A) Fig. 3.

NOTE: Setting the index line to 1/16" on the knob means the cutting edge of the bit is exposed 1/16" below the base.

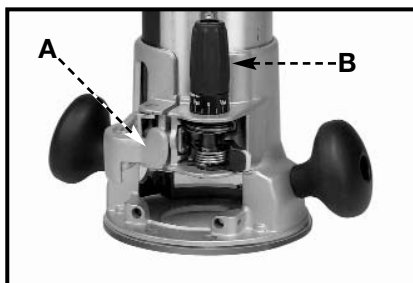


Fig. 3

ADJUSTING SUB-BASE ALIGNMENT (All Routers)

Applications using a templet guide require the bit to be centered in the guide. This, in turn, requires the center hole in the sub-base to be in line with the collet of the motor unit. Your model has an adjustable sub-base which has been aligned at the factory. The fixed-base router comes with the large hole (Fig. 4). To use templet guides, use an accessory base, and/or, if the sub-base has been removed and readjustment is required, use the following procedure.

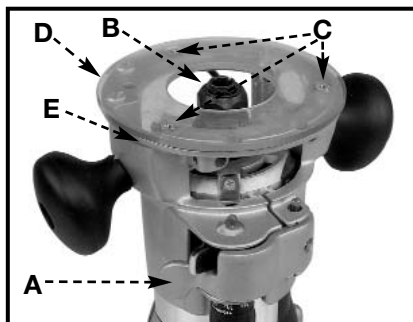


Fig. 4

⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.

1. Loosen the sub-base mounting screws (C) Fig. 4 just enough to allow the sub-base (D) to move.
2. Open the clamp (A) Fig. 4, and adjust the power unit so that the collet nut (B) engages the center hole in the sub-base (D). Allow the sub-base to center itself on the collet nut. Close the clamp (A).
3. Tighten the sub-base mounting screws (C) Fig. 4 securely.

8931 PLUNGE BASE

INSTALLING AND REMOVING THE BIT

⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.

1. Stand the router upside down on its motor cap (Fig. 5).
2. Clean and insert the shank of the bit into the collet until the shank bottoms. Then back it out approximately 1/16".
3. Press the spindle lock button (A) Fig. 5, and place a wrench on collet nut (Fig. 7). Tighten firmly. **NOTE:** The spindle lock actuator (A) Fig. 6 can be used to hold the spindle lock button down.
4. To remove the bit, reverse the procedure.

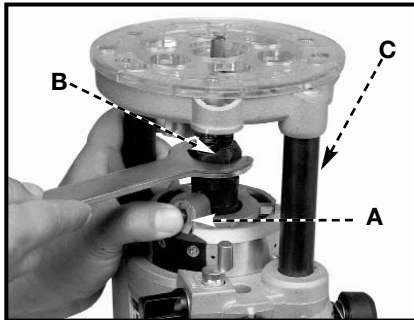


Fig. 5

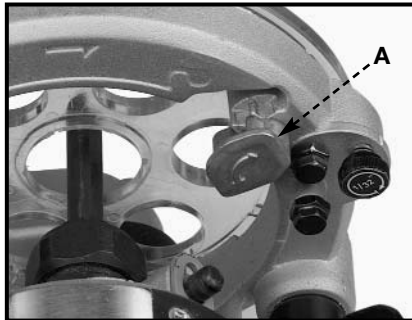


Fig. 6

CAUTION Do not allow the wrenches to contact the columns (A) Fig. 6. Columns could be damaged, restricting the plunge action.

CAUTION Avoid possible damage to collet. Never tighten collet without a bit.

⚠ CAUTION If you remove the springs from the posts (E) Fig. 7 to use the plunge base in a router table, remove the post plugs carefully. They are spring-loaded and should be removed only when the base housing is in the up position (Fig. 5).

ADJUSTING THE PLUNGE BASE

⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.

1. Loosen the depth rod locking knob (A) Fig. 7, and depth indicator knob (C) Fig. 7, allowing the depth rod (D) Fig. 7 to contact one of the turret stops (A) Fig. 8. Normally the deepest desired cut is set with the depth rod resting on the base casting (B) Fig. 7. The other three adjustable stops (A) Fig. 8 may be adjusted to any desired height. Any combination of fixed and/or adjustable stops may be utilized to achieve the desired depths required for a particular job. The adjustable stop (B) Fig. 8 will raise or lower that stop by 1/32" with one full turn of the stop.

2. Release the plunge mechanism by pulling the locking lever (A) Fig. 10 down. Lower the plunge mechanism until the router bit touches the work surface. Release the lever and push it to the right to lock the mechanism in this position.
3. Tighten the depth-rod locking knob (A) Fig. 7.
4. Position the depth indicator (C) Fig. 7 at the “0” position and tighten the knob (C) Fig. 7.
5. Loosen the depth-rod locking knob (A) Fig 7, and raise until the indicator aligns with the graduation representing the desired depth of plunge (Fig. 9).

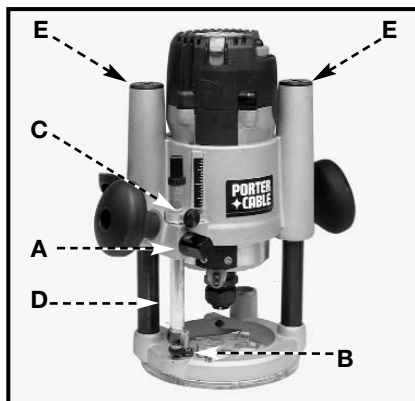


Fig. 7

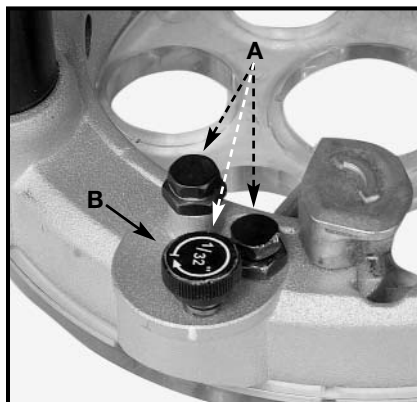


Fig. 8

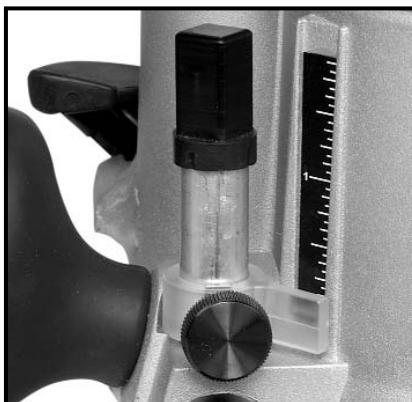


Fig. 9

ADJUSTING PLUNGE LOCKING LEVER

The plunge locking mechanism may be adjusted to compensate for wear, or to reposition lever (in locked position). To adjust:

⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.

1. Lock the plunge locking lever (A) Fig. 10 by moving it to the operator's right as far as it will go.
2. Push in on the plunge locking lever (A) Fig. 10.
3. Move the plunge locking lever (A) Fig. 10 to the desired location and allow it to spring back into position.

NOTE: Pushing the plunge locking lever down past the last stop will place the router in the “free-plunge” mode.

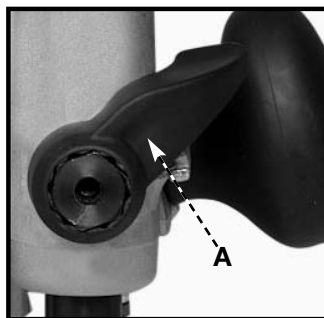


Fig. 10

Adjust the plunge locking mechanism in the following manner:

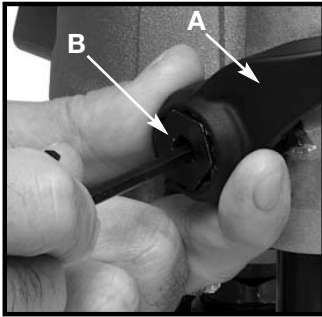


Fig. 11

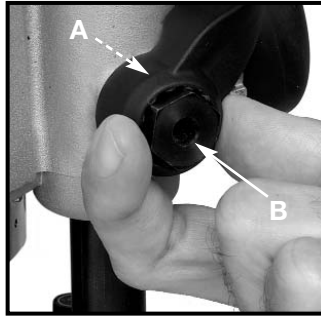


Fig. 12

1. Hold the plunge locking lever (A) Fig. 11.
2. Insert 3/32" hex wrench (not furnished) through the center of the plunge-locking bolt (B) Fig. 11 into the adjustment screw, and turn counterclockwise approximately one turn.
3. Push in on the plunge locking lever (A) Fig. 12 to expose the head of plunge-locking bolt (B) Fig. 12.
4. While holding plunge-locking lever in (A) Fig. 12, turn plunge-locking bolt (B) Fig. 12 clockwise to turn the plunge-locking bolt in or counterclockwise to turn the plunge-locking bolt out. Turn it one position at a time until proper adjustment is achieved. Proper adjustment is indicated when the plunge-locking lever (A) Figs. 13 and 14 can be locked into the free motion position (Fig. 13), and into the plunge-locked position (Fig. 14).
5. Move plunge locking lever (A) Figs. 13 and 14 halfway between those two positions. Insert the hex wrench through the center of the plunge locking bolt (B) Fig. 13 into adjustment screw. Turn clockwise to tighten.



Fig. 13



Fig. 14

OPERATION

CONNECTING TO POWER SOURCE

CAUTION Before connecting the tool to the power source, **CHECK TO SEE THAT THE SWITCH IS IN THE "OFF" POSITION.** Also, check the power circuit to see that it is the same as that shown on specification plate of the tool.

STARTING AND STOPPING THE MOTOR

CAUTION Before starting the tool, clear the work area of all foreign objects. Also keep a firm grip on the tool to resist starting torque.

Two switches (A and B) Fig. 15 turn this tool “ON” and “OFF”. Additionally, the upper switch (A) will automatically turn the tool “OFF” if the tool is placed upside down on a surface.

The lower switch (B) Fig. 15 is convenient for the operator to turn the tool “ON” or “OFF” with the thumb of the left hand while holding the tool (Fig. 16).

CAUTION To avoid injury and/or damage to finished work, always allow the motor to come to a **COMPLETE STOP** before putting the tool down.

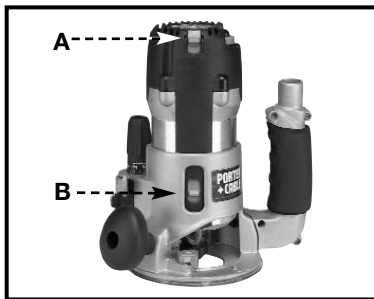


Fig. 15



Fig. 16

For convenient dust and chip collection, you can attach your shop vac to the **GripVac™** unit by placing the hose on the **GripVac** handle (A) Fig. 16. See “**ACCESSORIES**”.

VARIABLE SPEED CONTROL

This router is equipped with a variable speed control (A) Fig. 17 with an infinite number of speeds between 10,000 and 23,000 RPM.

The speed is adjusted by turning the speed control knob (A).



Fig. 17

CAUTION In low and medium speed operation, the speed control prevents the motor speed from decreasing. If you expect to hear a speed change, and continue to load the motor, you could damage the motor by overheating. Reduce the depth of cut and/or slow the feed rate to prevent tool damage.

USING THE TOOL

IMPORTANT: Before using the tool, consider the kind and amount of material to be removed. More than one cut may be necessary to avoid overloading the motor. Before beginning the cut on the actual workpiece, make a sample cut on a piece of scrap lumber. This will allow you to see the finished cut and to check dimensions.

CAUTION Always be sure the work is rigidly clamped or otherwise secured before making a cut.

Generally speaking, when working on a bench, hold the workpiece on the bench with wood clamps. When routing the edges, hold the router firmly down and against the work with both guiding handles.

Since the cutter rotates clockwise (when viewing router from top), move the router from left to right as you stand facing the work. When working on the inside of a templet, move the router in a clockwise direction.

When working on the outside of a templet, move the router in a counter-clockwise direction.

WARNING Avoid “Climb-Cutting” (cutting in direction opposite that shown in Fig. 18). “Climb-Cutting” increases the chance for loss of control resulting in possible injury. When “Climb-Cutting” is required (backing around a corner), exercise extreme caution to maintain control of router. Make smaller cuts and remove minimal material with each pass.

The speed and depth of cut will depend largely on the workpiece. Keep the cutting pressure constant but do not crowd the router so the motor speed slows excessively. On exceptionally hard woods or problem materials, more than one pass at various settings may be necessary to get the desired depth of cut.

When making cuts on all four edges of the workpiece, make the first cut on the end of the piece across the grain. If chipping of wood occurs at the end of a cut, it will be removed when making the next cut parallel with the grain.

Periodically wipe the columns clean with a dry cloth. Clean the rack and gear on the fixed base with a soft bristle brush. Do not lubricate either the columns or the rack and gear.

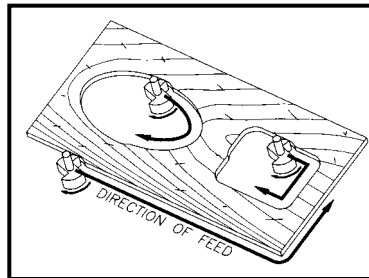


Fig. 18

THE EDGE GUIDE

An edge guide (Fig. 19) is available as an accessory to aid in routing operations such as straight edge planing, parallel grooving, dado, or slotting operations.

See “**ACCESSORIES**”

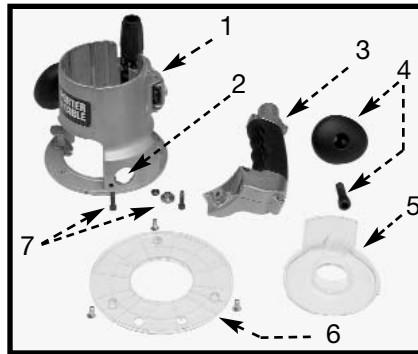


Fig. 19

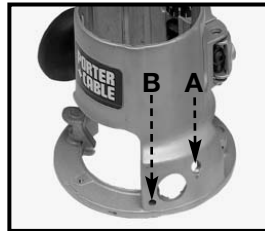
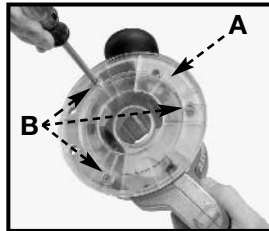
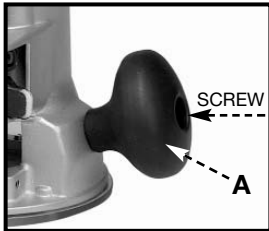
INSTALLING THE GRIPVAC™ TO THE ROUTER BASE

GripVac™ Parts

1. Router Base
2. Dust Port
3. Handle
4. Removed Handle and Screw
5. Dust Deflector
6. Sub-base with screws
7. Handle Hardware



1. Loosen the screw (4) Fig. 20, and remove the handle (A) Fig. 21 from the router base by using a 5/16" hex wrench. Save the handle and screw in case you want to reverse the procedure.
2. Remove the plastic dust port plug from the dust port (2) Fig. 20.
3. Loosen the screws (A) and remove the sub-base (B) and screws (Fig. 22).
4. Align the mounting holes of the **GripVac** to the mounting holes of the router base (A) Fig. 23.
5. Insert a hex screw through the handle, then into hole (A) Fig. 23. Insert the shoulder washer from the inside of the base on the screw and loosely tighten.
6. From the inside diameter of the router base, place the second screw through the hole (B) Fig. 23 and into the threaded hole of the **GripVac**.
7. Tighten all hardware securely.

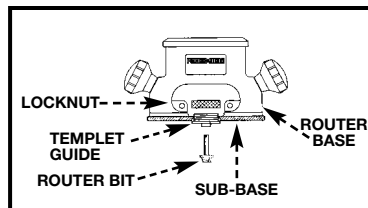


SOFT START

This router has a "Soft Start" feature designed to minimize startup reaction torque.

TEMPLER GUIDES

A wide variety of templet guides is available for use in pattern and templet routing operations. A typical combination bit, templet guide, and locknut are illustrated in Fig. 24.



⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.

To install, insert the templet guide in the center hole of the router base and secure in place with a locknut. Before connecting the router to the power source, install the bit, adjust the depth of cut, and rotate the router chuck by hand to ensure that the bit or collet do not contact the templet guide.

USING THE 890 MULTI-FUNCTION CASE

The case for your 890 router has been designed to provide protection when transporting the router to the job site, and to make the router easier to use in the workshop.

STORAGE AND TRANSPORTATION

The case provides storage for the collet wrench at (A) Fig. 25, an extra collet at (B), and 1/4" and 1/2" bits at (C). Store the user's manual and compact disc in the slot (D). Store the templet guides in the holes (E) and the height adjustment handle in slot (G).

NOTE: All items are not included with all router kits, but can be purchased as accessories.

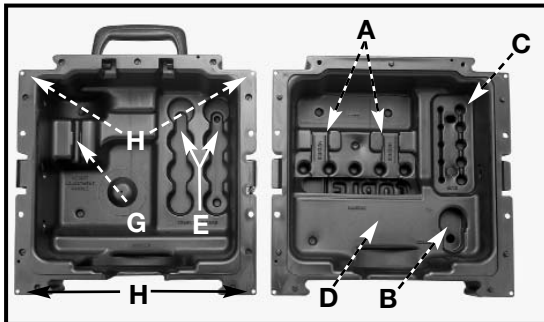


Fig. 25

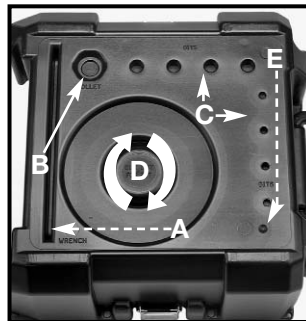


Fig. 26

ROUTER PEDESTAL

You can attach the inverted back half of the case to a workbench with screws through the holes (H) Fig. 25. In this configuration, storage for a wrench (A) Fig. 26, spare collet (B), and 1/4" and 1/2" router bits (C) is available. You can cut out the center of the router parking pad (D) with a sharp utility knife to allow for storage of the router with a bit installed. To store the height adjustment handle, drill a 13/32" diameter hole at (E) Fig. 26.

Both halves can be joined together as shown in Fig. 27 to provide storage for the router and other parts on the workbench.



Fig. 27

CAUTION To avoid injury and/or damage to finished work, always allow the motor to come to a **COMPLETE STOP** before putting the tool down.

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 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.

Para obtener más información
sobre Porter-Cable,
visite nuestro sitio web en:

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

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)**

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Fax: (602) 437-2200

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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

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Phone: (303) 487-1809
Fax: (303) 487-1868

FLORIDA

Davie 33314 (Miami)
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Unit #107
Phone: (954) 321-6635
Fax: (954) 321-6638
Tampa 33609
4538 W. Kennedy Boulevard
Phone: (813) 877-9585
Fax: (813) 269-7948

GEORGIA

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5442 Frontage Road,
Suite 112
Phone: (404) 608-0006
Fax: (404) 608-1123

ILLINOIS

Addison 60101 (Chicago)
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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)
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Phone: (410) 799-9394
Fax: (410) 799-9398

MASSACHUSETTS

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719 Granite Street
Phone: (781) 848-9810
Fax: (781) 848-6759

Franklin 02038 (Boston)

Franklin Industrial Park
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Phone: (508) 520-8802
Fax: (508) 528-8089

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30475 Stephenson Highway
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Fax: (248) 597-5004

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St. Louis 63119

7574 Watson Road
Phone: (314) 968-8950
Fax: (314) 968-2790

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Fax: (704) 708-4625

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Fax: (614) 263-1238

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Fax: (503) 252-2123

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Fax: (215) 658-1433

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3320 West Valley HWY, North
Building D, Suite 111
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T2E 8L2
Phone: (403) 735-6166
Fax: (403) 735-6144

BRITISH COLUMBIA

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V5A 4T8
Phone: (604) 420-0102
Fax: (604) 420-3522

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Phone: (204) 633-9259
Fax: (204) 632-1976

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