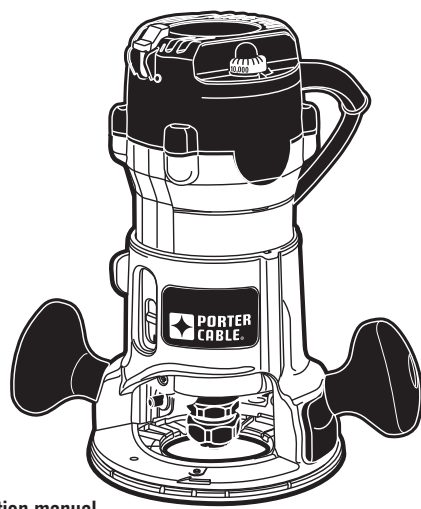


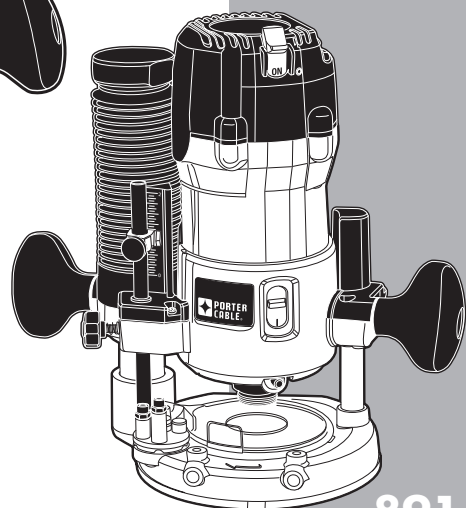
890 SERIES - 2-1/4 H.P. ROUTERS

Série 890 - Toupies de 2-1/4 H.P.

Serie 890 - Rebajadoras de 2-1/4 H.P.



Instruction manual



891
892
893PK
894PK
895PK

Part No. A25288 - 12-04-07 Rev. A

DEFINITIONS - SAFETY GUIDELINES

▲ 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.

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

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

2) Electrical safety

- 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.
- 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.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- 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. Use only 3-wire extension cords that have 3-prong grounding-type plugs and 3-pole receptacles that accept the tool's plug.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use. 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. Use of a cord suitable for outdoor use reduces the risk of electric shock. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

Minimum Gauge for Cord Sets

Volts	Total Length of Cord in Feet			
	0-25	26-50	51-100	101-150
120V				
Ampere Rating	Gauge of wire in AWG units			
From 10 to 12 amps	16	16	14	12
" 12 to 16 amps	14	12	Not recommended	

3) Personal safety

- 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.
- 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.
- Avoid accidental starting. Be sure 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.
- 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.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- 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

- Do not force the power tool. Use the correct power tool for your application. The cor-

rect power tool will do the job better and safer at the rate for which it was designed.

- 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.
 - 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.
 - 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.
 - 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.
 - Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
 - 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
- 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

- Hold power tools 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 make exposed metal parts of the tool "live" and shock the operator.
- Use clamps or another practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body leaves it unstable and may lead to loss of control.
- Metal cutting with router: If using router for metal cutting, clean out tool often. Metal dust and chips often accumulate on interior surfaces and could create a risk of serious injury, electrical shock or death.
- Keep handles dry, clean, and free from oil and grease. This will enable better control of the tool.
- Maintain firm grip with both hands on router to resist starting torque.
- Keep hands away from cutting area. Never reach under the workpiece for any reason. Keep the router base firmly in contact with the workpiece when cutting. Hold the router only by the handles. These precautions will reduce the risk of personal injury.
- Do not hand-hold the router in an upside-down or horizontal position. The motor can separate from the base if not properly attached according to the instructions.
- Never run the motor unit when it is not inserted in one of the router bases. The motor is not designed to be handheld.
- Keep cutting pressure constant. Do not overload motor.
- Check to see that the cord will not snag or impede the routing operation.
- Use sharp cutters. Dull cutters may cause the router to swerve or stall under pressure.
- Be sure that the motor has stopped completely before you lay the router down. If the cutter head is still spinning when the tool is laid down, it could cause injury or damage.
- Be sure that the router bit is clear of the workpiece before starting the motor. If the bit is in contact with the workpiece when the motor starts it could make the router jump, causing damage or injury.
- ALWAYS disconnect tool from power source before making adjustments or changing bits.
- Keep hands clear of bit when motor is running to prevent personal injury.
- NEVER touch the bit immediately after use. It may be extremely hot.
- Provide clearance under workpiece for router bit when through-cutting.
- Tighten collet nut securely to prevent the bit from slipping.
- Never tighten collet nut without a bit.
- 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.
- Avoid Climb-Cutting (cutting in direction opposite that shown in Fig. 16). 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.
- Always keep chip shield clean and in place.
- To reduce the risk of injury, do not press spindle lock button while the motor is running.

▲ WARNING: ALWAYS wear proper personal hearing protection that conforms to ANSI S12.6 (S3.19) during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.

▲ WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paint.
- crystalline silica from bricks and cement and other masonry products.
- arsenic and chromium from chemically-treated lumber (CCA).

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

▲ WARNING: Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities. Wear protective clothing and wash exposed areas with soap and water. Allowing dust to get into your mouth, eyes, or lay on the skin may promote absorption of harmful chemicals.

▲ WARNING: Use of this tool can generate and/or disburse dust, which may cause serious and permanent respiratory or other injury. Always use NIOSH/OSHA approved respiratory protection appropriate for the dust exposure. Direct particles away from face and body.

▲ WARNING: ALWAYS USE SAFETY GLASSES. Everyday eyeglasses are NOT safety glasses. Also use face or dust mask if cutting operation is dusty. ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT:

- ANSI Z87.1 eye protection (CAN/CSA Z94.3)
- ANSI S12.6 (S3.19) hearing protection
- NIOSH/OSHA/MSHA respiratory protection

SYMBOLS

The label on your tool may include the following symbols. The symbols and their definitions are as follows:

V..... volts	A..... amperes
Hz..... hertz	W..... watts
min..... minutes	~..... alternating current
==..... direct current	no..... no load speed
Ⓢ..... Class I Construction (grounded)	Ⓢ..... earthing terminal
Ⓢ..... Class II Construction (double insulated)	▲..... safety alert symbol
	.../min..... per minute
	BPM..... beats per minute

RPM..... revolutions per minute

SAVE THESE INSTRUCTIONS

MOTOR

▲ 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.

OPERATION

▲ WARNING: To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

▲ WARNING: Use router bits with a diameter larger than 2-1/2" ONLY when the speed control is set between 10,000 and 13,000 RPM. The maximum diameter bit is 3-1/2".

▲ WARNING: Disconnect tool from power source when router is not in use.

INSTALLING AND REMOVING THE BIT (FIXED BASE ONLY)

▲ WARNING: To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

- To remove the motor unit from the base unit:
 - Open the clamp (A) Fig. 1.
 - Push the lever (B) Fig. 1 toward the power unit.
 - 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" (1.6 mm).
- 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.
- Place the wrench on the collet and turn CLOCKWISE to tighten. Tighten firmly.
- To remove the bit, reverse the procedure.

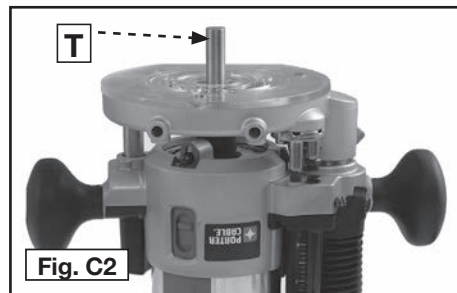
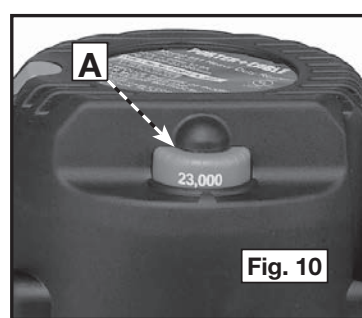
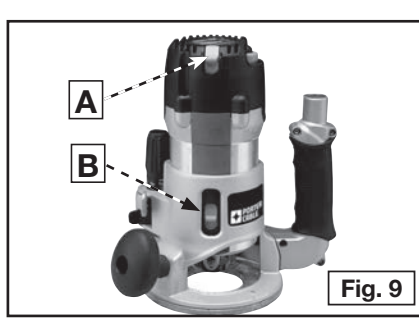
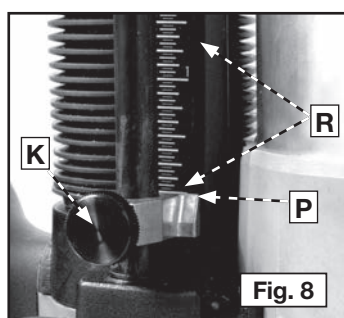
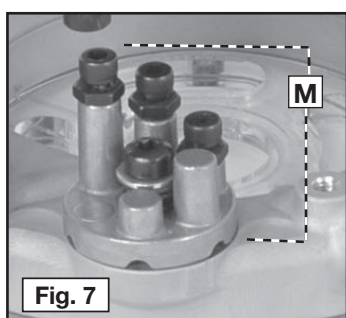
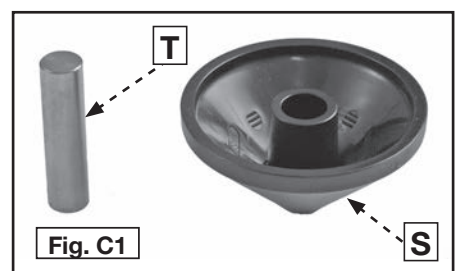
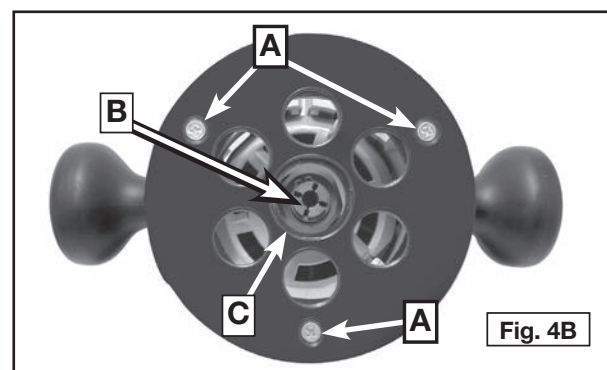
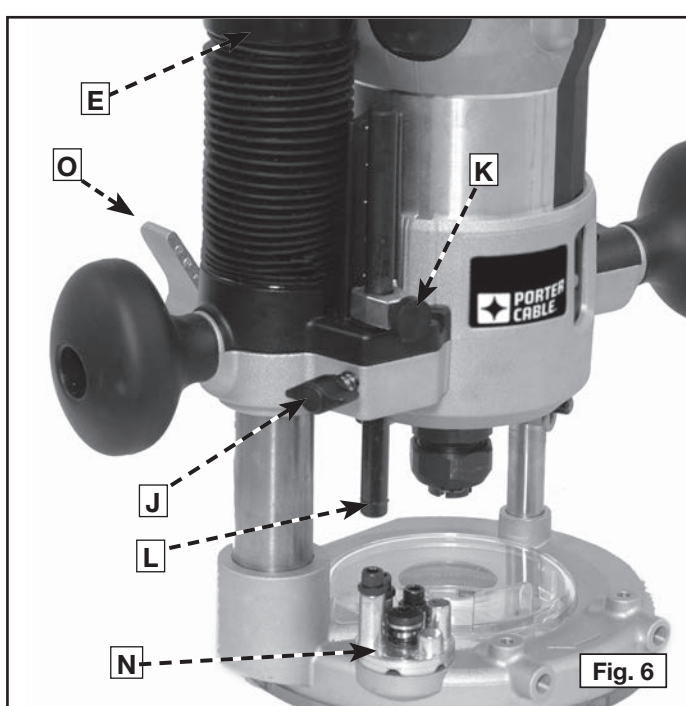
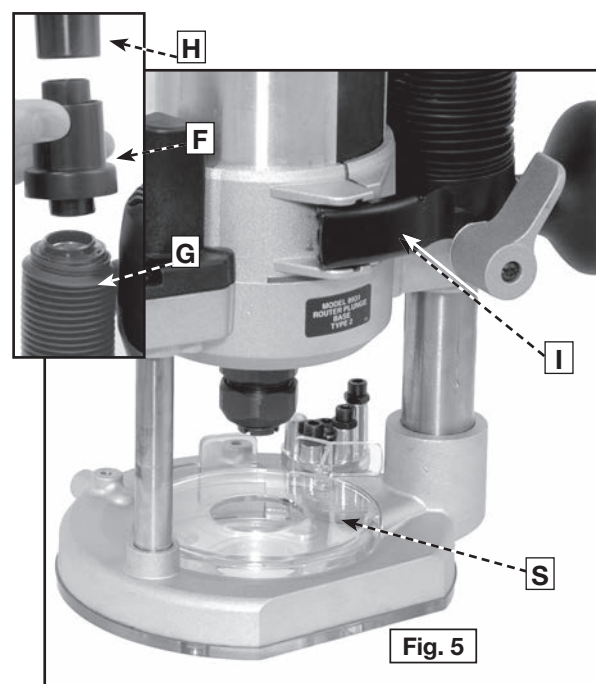
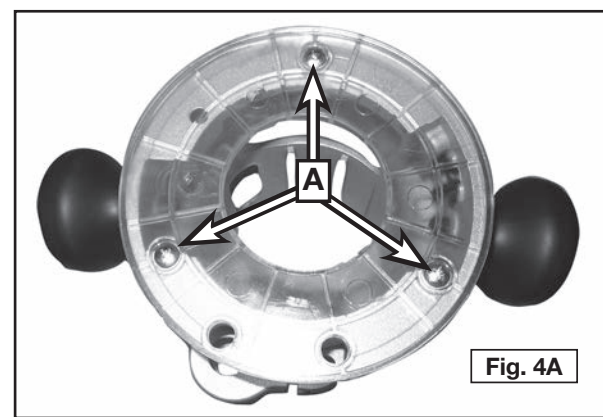
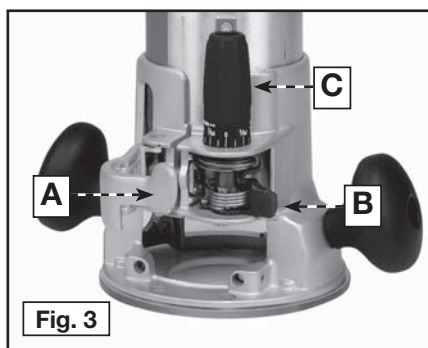
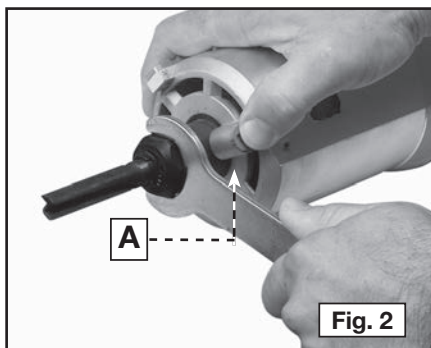
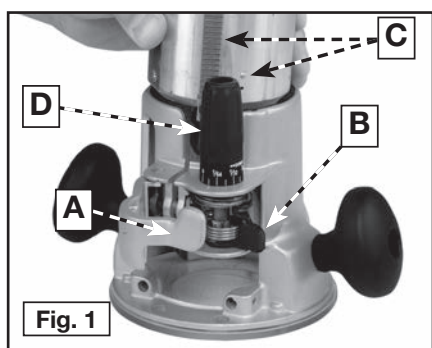
▲ CAUTION: Avoid possible damage to the collet. Never tighten the collet without a bit.

INSTALLING THE MOTOR

▲ WARNING: To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

FIXED BASE

- Open the clamp (A) Fig. 1 and set motor in the base.



- Align the rack and pin (C) Fig. 1 of the motor with the grooves in the base. Pull the lever (B) Fig. 1, and lower the motor into the base.
- Close the clamp (A).

PLUNGE BASE

- Open the clamp (I) Fig. 5 and set the motor in the base.
- Align the rack and pin (C) Fig. 1 of the motor with the grooves in the base. Lower the motor into the base.
- Close the clamp (A) Fig. 1.

NOTE: Reverse procedure for both bases to remove the motor.

ADJUSTING ALIGNMENT ON ACCESSORY SUB-BASE (FOR FIXED BASE ONLY)

The sub-base for the 890 fixed base model can be replaced with an accessory sub-base that is suitable for use with template guides. If you replace the standard sub-base with another, you will need to be sure the sub-base is aligned to the collet. To do this:

WARNING: To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

- Remove the standard large-hole sub-base by removing three screws (A) Fig. 4A. Replace with accessory sub-base (Fig. 4B), but do not fully tighten screws (A).
- Open the clamp and adjust the power unit so that the collet nut (A) engages the center hole in the sub-base (C). Allow the sub-base to center itself on the collet nut. Close the clamp.
- Tighten the sub-base mounting screws (A) Fig. 4B securely.

ADJUSTING THE DEPTH OF CUT (FIXED BASE ONLY)

WARNING: To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

- Open the clamp (A) Fig. 3.
- Pull the lever (B) and set the router on the workpiece. With the router flat and level, let the bit barely touch the workpiece.
- Hold the lever (B) and turn the depth knob (C) until the zero aligns with the zero mark on the router base.
- Release the lever (B). Make sure that the zero remains aligned with the zero mark.
- Turn the knob (C) clockwise to the desired depth of cut.
- Close the clamp (A).

NOTE: Setting the index line to 1/16" (1.6 mm) on the knob indicates that the cutting edge of the bit is exposed 1/16" (1.6 mm) below the base.

DUST EXTRACTION (PLUNGE BASE ONLY)

WARNING: To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

To connect the router to a vacuum cleaner for dust extraction, follow these steps:

- Remove the dust cap (E) Fig. 6 by pulling straight up.
- Insert the dust extraction hose adapter (F) into the dust extraction port (G) as shown.
- Insert the end of a standard vacuum cleaner tube (H) into the hose adapter.
- When using dust extraction, be aware of the placement of the vacuum cleaner. Be sure that the vacuum cleaner is stable and that its hose will not interfere with the work.

NOTE: Be sure the dust shroud (S) Fig. 5 is installed into the plunge base as shown.

INSTALLING AND REMOVING THE BIT (PLUNGE BASE ONLY)

WARNING: To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

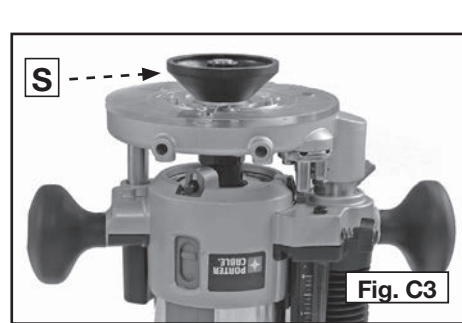
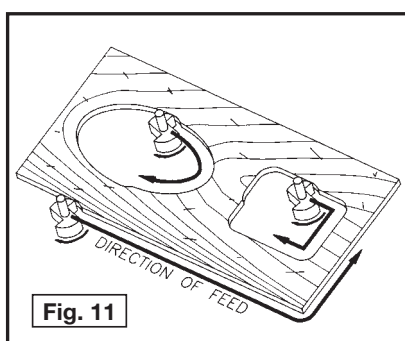
To remove the motor unit from the base:

- Pull the lever (I) Fig. 5 toward you.
- Remove the power unit from the base.
- Clean and insert the shank of the bit into the collet until the shank bottoms, then back it out approximately 1/16" (1.6 mm).
- 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.
- Place the wrench on the collet and turn CLOCKWISE to tighten. Tighten firmly.
- To remove the bit, reverse the procedure.

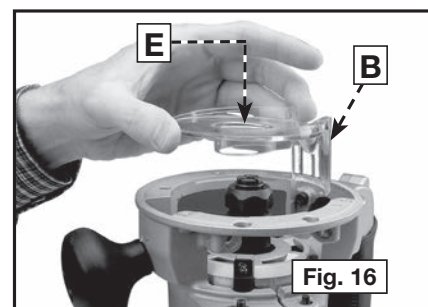
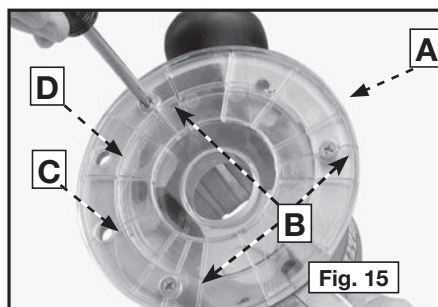
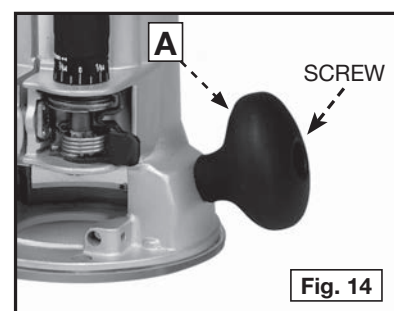
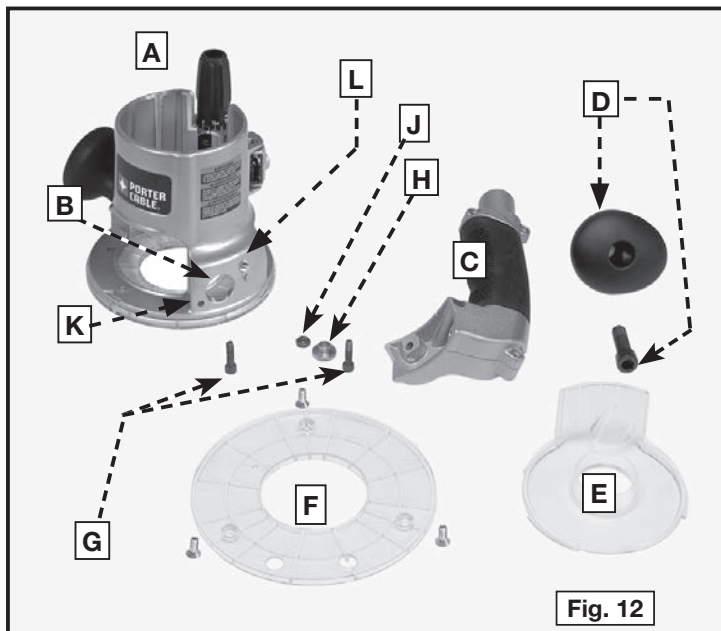
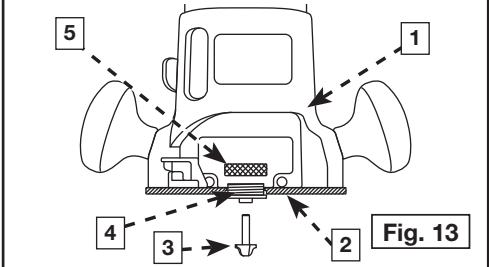
ADJUSTING THE DEPTH OF CUT (PLUNGE BASE ONLY)

WARNING: To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

- Loosen the depth rod locking knob (J) Fig. 6, and depth indicator knob (K), allowing the depth rod (L) to contact one of the turret stops (M) Fig. 7. Normally the deepest desired cut is set with the depth rod resting on the lowest point on the turret dial (N) Fig. 6. You can also utilize any combination of fixed and/or adjustable stops (M) to achieve the desired depth of cut.
- Push the router down until the bit touches the work surface. Push the locking lever (O) down to lock the router in this position.
- Tighten the depth-rod locking knob (J) Fig. 6.
- Position the depth indicator (P) Fig. 8 at the "0" position and tighten the knob (K) Fig. 8.
- Loosen the depth-rod locking knob (J) Fig. 6, and raise depth rod (L) until the indicator (P) Fig. 8 aligns with the desired depth of plunge measurement (R).
- Tighten the depth-rod locking knob (J) Fig. 6.



- | | |
|------------------|----------------------|
| 1. ROUTER BASE | 1. BASE DE LA TOUPIE |
| 2. SUB-BASE | 2. SOUS-BASE |
| 3. ROUTER BIT | 3. MÈCHE DE TOUPIE |
| 4. TEMPLAT GUIDE | 4. GUIDE DE GABARIT |
| 5. LOCKNUT | 5. CONTRE-ÉCROU |
-
- | | |
|------------------------|------------------------|
| 1. BASE DEL REBAJADORA | 1. BASE DEL REBAJADORA |
| 2. SUB-BASE | 2. SUB-BASE |
| 3. BROCA | 3. BROCA |
| 4. GUIA DE PATRON | 4. GUIA DE PATRON |
| 5. TUERCA INAFLOJABLE | 5. TUERCA INAFLOJABLE |



CENTERING THE SUBBASE (PLUNGE BASE ONLY)

WARNING: To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

If you need to adjust, change, or replace the subbase, a centering tool is provided to help center the base during re-installation. The centering tool consists of a cone (S) Fig. C1 and a pin (T). To adjust the subbase, follow the steps below.

- With motor clamped into the base, insert the pin (T) Fig. C1 into the collet and tighten the collet nut.
- Turn router upside down. Unlock lever (O) Fig. 6 and push the plunge base down (towards the motor) so that the pin extends up from the subbase (Fig. C2). Lock the lever (O) Fig. 6 to hold base in position.
- Loosen - but do not remove - the three screws that hold the subbase in place.
- Place the cone (S) Fig. C3 on the pin and lightly press down on the router until the cone stops inside the subbase. This will center the subbase.
- While the cone is still pressed against the subbase, tighten the subbase screws.
- Remove pin and cone from the unit.



STARTING AND STOPPING THE MOTOR (ALL UNITS)

CAUTION: Before starting the tool, clear the work area of all foreign objects. Keep a firm grip on the tool to resist starting torque. Two switches (A and B) Fig. 9 turn this tool "ON" and "OFF". The upper switch (A) will automatically turn the tool "OFF" if the tool is placed upside down on a surface.

Turn the tool "ON" or "OFF" with lower switch (B), using the thumb of the left hand while holding the tool.

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.

NOTE: For convenient debris collection, you can attach a shop vac to the GripVac® unit by placing the hose on the GripVac handle Fig. 17.

VARIABLE SPEED CONTROL (ALL UNITS)

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

▲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 (ALL UNITS)

▲CAUTION: Always be sure the work is rigidly clamped or otherwise secured before making a cut. 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 template, move the router in a clockwise direction. When working on the outside of a template, move the router in a counter-clockwise direction.

▲WARNING: Avoid “Climb-Cutting” (cutting in direction opposite that shown in Fig. 11). “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.

GRIPVAC® PARTS (FIG. 12)

- | | |
|-----------------------------|-------------------------|
| A. Router base | F. Sub-base with screws |
| B. Dust port | G. Hex screw (2) |
| C. GripVac handle | H. Shoulder washer |
| D. Removed handle and screw | J. Hex nut |
| E. Dust deflector | |

INSTALLING THE OPTIONAL GRIPVAC® (FIXED BASE ONLY)

▲WARNING: To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

- Use a 5/16" hex wrench to loosen the screw in the handle (A) Fig. 14. Remove the handle from the router base. Store the handle and screw for possible later use.
- Remove the plastic plug from the dust port (B) Fig. 12.
- Remove the screws (B) Fig. 15 and remove the sub-base (A) Fig. 15.
- Align the holes of the GripVac® handle to the holes of the router base.
- Insert a hex screw (G) Fig. 12 through the handle into the hole (L). From inside the base housing, place a shoulder washer (H) and a hex nut (J) on the screw. Tighten the nut loosely.
- From inside the base housing, insert the second screw (G) into the hole (K) and screw it into the threaded hole of the GripVac® handle.
- Turn the router base upside down and place the dust deflector (E) Figs. 14 and 18 into the bottom of the router base by aligning the three plastic tabs on the deflector with the three recesses in the base. Align the extended part of the deflector (B) Fig. 16 with the GripVac® handle. The deflector will be flush with bottom of router base.
- Replace the sub-base and the three screws (Fig. 15).
- Tighten all hardware securely.
- Connect any vacuum/dust collection system with a 1" (inside diameter) hose to the Grip Vac™ handle Fig. 17.

SOFT START (ALL UNITS)

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

TEMPLATE GUIDES (NOT OFFERED FOR ALL MODELS)

▲WARNING: To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

A wide variety of template guides is available for use in pattern and templet routing operations.

To install, insert the templet guide in the center hole of the router base and secure it in place with a locknut. (See Fig. 13 for a guide.) **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 A ROUTER ACCESSORY TABLE (ALL UNITS)

▲WARNING: To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

The router can be mounted to a router accessory table (not included). To open the clamp for motor removal, use a hex wrench in the hole (C), Fig. 15. To adjust cutting depth, use a hex wrench in the hole (D) Fig. 15. For instructions on how to mount the router to the router accessory table, refer to the accessory table instruction manual.

MAINTENANCE

▲WARNING: To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

CLEANING

▲WARNING: Periodically blowing dust and chips out of the motor housing using clean, dry compressed air is a suggested maintenance procedure. To reduce the risk of serious personal injury, **ALWAYS** wear ANSI Z87.1 safety glasses while using compressed air.

▲WARNING: When cleaning, use only mild soap and a damp cloth on plastic parts. Many household cleaners contain chemicals which could seriously damage plastic. Also, do not use gasoline, turpentine, lacquer or paint thinner, dry cleaning fluids or similar products which may seriously damage plastic parts. **NEVER** let any liquid get inside the tool; **NEVER** immerse any part of the tool into a liquid.

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 (If applicable)

For your continued safety and electrical protection, brush inspection and replacement on this tool should **ONLY** be performed by a PORTER-CABLE FACTORY SERVICE CENTER OR PORTER-CABLE AUTHORIZED WARRANTY SERVICE CENTER.

At approximately 100 hours of use, take or send your tool to your nearest Porter-Cable Factory Service center or Porter-Cable Authorized Warranty Service Center 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

Use only identical replacement parts. You can also order parts from your nearest Porter-Cable Factory Service Center or Porter-Cable Authorized Warranty Service Center.

SERVICE AND REPAIRS

All quality tools will eventually require servicing and/or replacement of parts. All repairs made by our service centers are fully guaranteed against defective material and workmanship. We cannot guarantee repairs made or attempted by others.

Be sure to include all of the 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 Factory Service Center or a Porter-Cable Authorized Warranty Service Center.

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

THREE YEAR LIMITED WARRANTY

PORTER-CABLE will repair, without charge, any defects due to faulty materials or workmanship for three years from the date of purchase. This warranty does not cover part failure due to normal wear or tool abuse. This warranty does not apply to accessories or damage caused where repairs have been made or attempted by others. This warranty gives you specific legal rights and you may have other rights which vary in certain states or provinces.

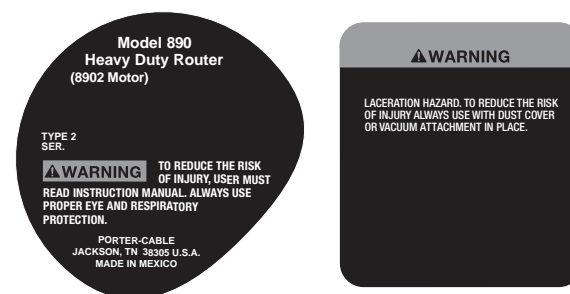
In addition to the warranty, PORTER-CABLE tools are covered by our:

1 YEAR FREE SERVICE: PORTER-CABLE will maintain the tool and replace worn parts caused by normal use, for free, any time during the first year after purchase.

90 DAY MONEY BACK GUARANTEE: If you are not completely satisfied with the performance of your PORTER-CABLE Power Tool, Laser, or Nailer for any reason, you can return it within 90 days from the date of purchase with a receipt for a full refund – no questions asked.

LATIN AMERICA: This warranty does not apply to products sold in Latin America. For products sold in Latin America, see country specific warranty information contained in the packaging, call the local company or see website for warranty information.

WARNING LABEL REPLACEMENT



PORTER CABLE®

▲WARNING:

▲WARNING: TO REDUCE THE RISK OF INJURY PLEASE FOLLOW THE INSTRUCTIONS BELOW FOR THE MOTOR YOU PURCHASED.

690 SERIES ROUTER MOTORS

Motor models 6902, 6902VS and 6912 are replacement motors for the PORTER-CABLE 690 Series of routers. Models 6902 and 6902VS must be used with PORTER-CABLE router base models 1001 or 6931. Model 6912 must be used with PORTER-CABLE router base model 6911.

890 SERIES ROUTER MOTORS

Motor model 8902 is a replacement motor for the PORTER-CABLE 890 Series of routers. It must be used with PORTER-CABLE router base models 8901 or 8931. It can also be used in 690 series spiral-down style router bases (6911, 6931 and 1001).

7500 SERIES ROUTER MOTORS

Motor model 75182 is a replacement motor for PORTER-CABLE router model # 7518 and must be used with PORTER-CABLE router base model # 75361.

Motor model 75192 is a replacement motor for PORTER-CABLE router model # 7519 and must be used with PORTER-CABLE router base model # 75361.

Check out the collection of power tools we offer.