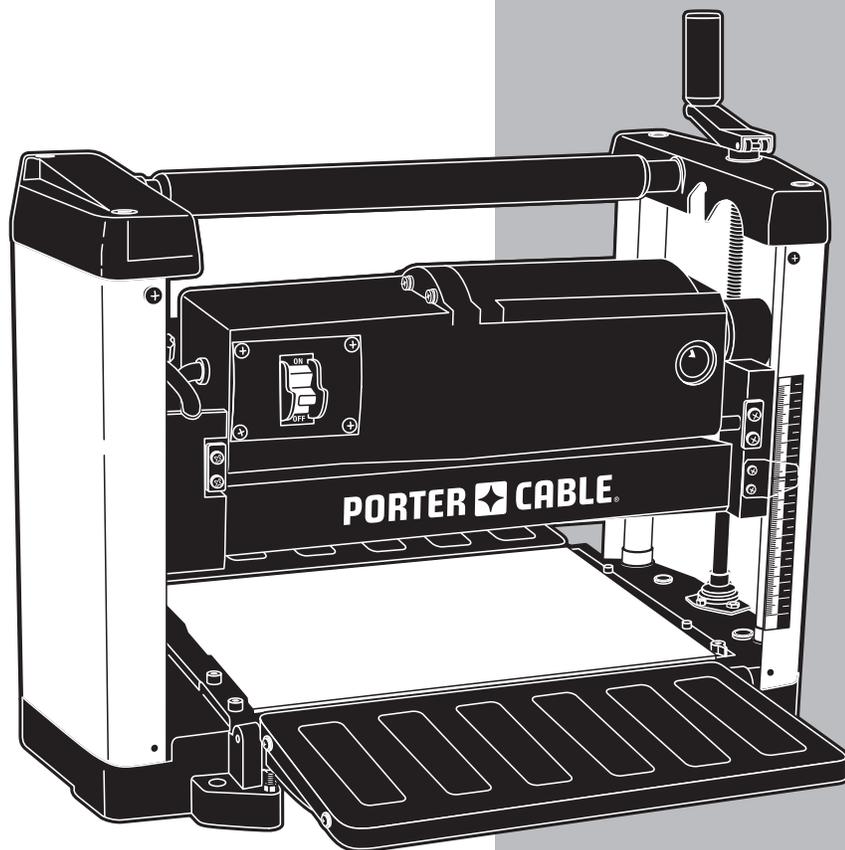


# PORTER CABLE®

**12-1/2 inch (317 mm)  
Portable Planer**

**Raboteuse portative  
de 317 mm (12-1/2 po)**

**Cepillo Portátil de 317  
mm (12-1/2 pulg.)**



**Instruction manual**  
Manuel d'instructions  
Manual de instrucciones

[www.portercable.com](http://www.portercable.com)

INSTRUCTIVO DE OPERACIÓN, CENTROS DE  
SERVICIO Y PÓLIZA DE GARANTÍA.

**⚠ ADVERTENCIA:** LÉASE ESTE INSTRUCTIVO  
ANTES DE USAR EL PRODUCTO.

**CATALOG NUMBER  
PC305TP**

# 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.



## 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**.
- NOTICE:** indicates a practice **not related to personal injury** which, if not avoided, **may** result in **property damage**.

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## GENERAL SAFETY RULES

**⚠ WARNING** Failure to follow these rules may result in serious personal injury.

1. **For your own safety, read the instruction manual before operating the machine.** Learning the machine's application, limitations, and specific hazards will greatly minimize the possibility of accidents and injury.
2. **Wear eye and hearing protection and 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.
3. **Wear proper apparel.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip protective footwear is recommended. Wear protective hair covering to contain long hair.
4. **Do not use the machine in a dangerous environment.** The use of power tools in damp or wet locations or in rain can cause shock or electrocution. Keep your work area well-lit to prevent tripping or placing arms, hands, and fingers in danger.
5. **Do not operate electric tools near flammable liquids or in gaseous or explosive atmospheres.** Motors and switches in these tools may spark and ignite fumes.
6. **Maintain all tools and machines in peak condition.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories. Poorly maintained tools and machines can further damage the tool or machine and/or cause injury.
7. **Check for damaged parts.** Before using the machine, check for any damaged parts. Check for alignment of moving parts, binding of moving parts, breakage of parts, and any other conditions that may affect its operation. A guard or any other part that is damaged should be properly repaired or replaced with PORTER-CABLE or factory authorized replacement parts. Damaged parts can cause further damage to the machine and/or injury.
8. **Keep the work area clean.** Cluttered areas and benches invite accidents.
9. **Keep children and visitors away.** Your shop is a potentially dangerous environment. Children and visitors can be injured.
10. **Reduce the risk of unintentional starting.** Make sure that the switch is in the "OFF" position before plugging in the power cord. In the event of a power failure, move the switch to the "OFF" position. An accidental start-up can cause injury. Do not touch the plug's metal prongs when unplugging or plugging in the cord.
11. **Use the guards.** Check to see that all safety devices are in place, secured, and working correctly to prevent injury.
12. **Remove adjusting keys and wrenches before starting the machine.** Tools, scrap pieces, and other debris can be thrown at high speed, causing injury.
13. **Use the right machine.** Don't force a machine or an attachment to do a job for which it was not designed. Damage to the machine and/or injury may result.
14. **Use recommended accessories.** The use of accessories and attachments not recommended by PORTER-CABLE may cause damage to the machine or injury to the user.
15. **Use the proper extension cord.** Make sure your extension cord is in good condition. 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. See the **Extension Cord Chart** for the correct size depending on the cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
16. **Secure the workpiece.** Use clamps or a vise to hold the workpiece when practical. Loss of control of a workpiece can cause injury.
17. **Feed the workpiece against the direction of the rotation of the blade, cutter, or abrasive surface.** Feeding it from the other direction will cause the workpiece to be thrown out at high speed.
18. **Don't force the workpiece on the machine.** Damage to the machine and/or injury may result.
19. **Don't overreach.** Loss of balance can make you fall into a working machine, causing injury.

20. **Never stand on the machine.** Injury could occur if the tool tips, or if you accidentally contact the cutting tool.
21. **Never leave the machine running unattended.** Turn the power off. Don't leave the machine until it comes to a complete stop. A child or visitor could be injured.
22. **Turn the machine "OFF", and disconnect the machine from the power source before installing or removing accessories, changing cutters, adjusting or changing set-ups.** When making repairs, be sure to lock the start switch in the "OFF" position. An accidental start-up can cause injury.
23. **Make your workshop childproof with padlocks, master switches, or by removing starter keys.** The accidental start-up of a machine by a child or visitor could cause injury.
24. **Stay alert, watch what you are doing, and use common sense.** Do not use the machine when you are tired or

under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in injury.

25. **⚠️ WARNING:** Use of this tool can generate and disperse dust or other airborne particles, including wood dust, crystalline silica dust and asbestos dust. Direct particles away from face and body. Always operate tool in well ventilated area and provide for proper dust removal. Use dust collection system wherever possible. Exposure to the dust may cause serious and permanent respiratory or other injury, including silicosis (a serious lung disease), cancer, and death. Avoid breathing the dust, and avoid prolonged contact with dust. Allowing dust to get into your mouth or eyes, or lay on your skin may promote absorption of harmful material. Always use properly fitting NIOSH/OSHA approved respiratory protection appropriate for the dust exposure, and wash exposed areas with soap and water.

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## ADDITIONAL SPECIFIC SAFETY RULES

**⚠️ WARNING** Failure to follow these rules may result in serious personal injury.

1. **Do not operate this machine** until it is completely assembled and installed according to the instructions. A machine incorrectly assembled can cause serious injury.
2. **Obtain advice** from your supervisor, instructor, or another qualified person if you are not thoroughly familiar with the operation of this machine. Knowledge is safety.
3. **Follow all wiring codes** and recommended electrical connections to prevent shock or electrocution.
4. **Keep knives sharp** and free from rust and pitch. Dull or rusted knives work harder and can cause kickback.
5. **Never turn the machine "ON"** before clearing the table of all objects (tools, scraps of wood, etc.). Flying debris can cause serious injury.
6. **Never turn the machine "ON"** with the work-piece contacting the cutterhead. Kickback can occur.
7. **Secure the machine to a supporting surface** to prevent the machine from sliding, walking or tipping over.
8. **Properly secure the knives in the cutterhead** before turning the power "ON". Loose blades may be thrown out at high speeds causing serious injury.
9. **Lock the speed setting securely** before feeding the workpiece through the machine. Changing speeds while planing can cause kick-back.
10. **Avoid awkward operations and hand positions.** A sudden slip could cause a hand to move into the knives.
11. **Keep arms, hands, and fingers** away from the cutterhead, the chip exhaust opening, and the feed rollers to prevent severe cuts.
12. **Never reach into the cutterhead area** while the machine is running. Your hands can be drawn into the knives.
13. **Do not stand in line with the workpiece.** Kickback can cause injury.
14. **Allow the cutterhead to reach full speed** before feeding a workpiece. Changing speeds while planing can cause kickback.
15. **When planing bowed stock,** place the concave (cup down) side of the stock on the table and cut with the grain to prevent kickback.
16. **Do not feed a workpiece** that is warped, contains knots, or is embedded with foreign objects (nails, staples, etc.). Kickback can occur.
17. **Do not feed a short, thin, or narrow workpiece into the machine.** Your hands can be drawn into the knives and/or the workpiece can be thrown at high speeds. See the *Operation* section of this instruction manual for details.
18. **Do not feed a workpiece** into the outfeed end of the machine. The workpiece will be thrown out of the opposite side at high speeds.
19. **Remove shavings only** with the power "OFF" and the cutterhead stopped to prevent serious injury.
20. **Properly support long or wide work-pieces.** Loss of control of the workpiece can cause serious injury.
21. **Never perform layout, assembly** or set-up work on the table/work area when the machine is running. Serious injury will result.
22. **Turn the machine "OFF", disconnect it from the power source,** and clean the table/work area before leaving the machine. **Lock the switch in the "OFF" position** to prevent un-authorized use. Someone else might accidentally start the machine and cause injury to themselves or others.
23. **Additional information** regarding the safe and proper operation of power tools (i.e. a safety video) is available from the Power Tool Institute, 1300 Sumner Avenue, Cleveland, OH 44115-2851 ([www.powertoolinstitute.com](http://www.powertoolinstitute.com)). Information is also available from the National Safety Council, 1121 Spring Lake Drive, Itasca, IL 60143-3201. Please refer to the American National Standards Institute ANSI O1.1 Safety Requirements for Woodworking Machines and the U.S. Department of Labor Regulations.

**⚠ 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, and
- 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.

- **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. Always operate tool in well-ventilated area and provide for proper dust removal. Use dust collection system wherever possible.

## POWER CONNECTIONS

A separate electrical circuit should be used for your machines. This circuit should not be less than #12 wire and should be protected with a 20 Amp time lag fuse. **NOTE:** Time delay fuses should be marked "D" in Canada and "T" in the US. If an extension cord is used, use only 3-wire extension cords which have 3-prong grounding type plugs and matching receptacle which will accept the machine's plug. Before connecting the machine to the power line, make sure the switch (or switches) is in the "OFF" position and be sure that the electric current is of the same characteristics as indicated on the machine. All line connections should make good contact. Running on low voltage will damage the machine.

**⚠ DANGER** Do not expose the machine to rain or operate the machine in damp locations.

## MOTOR SPECIFICATIONS

Your machine is wired for 120 Volts, 60 HZ alternating current. Before connecting the machine to the power source, make sure the switch is in the "OFF" position.

## GROUNDING INSTRUCTIONS

**⚠ DANGER** This machine must be grounded while in use to protect the operator from electric shock.

### 1. All grounded, cord-connected machines:

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This machine is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided - if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

Improper connection of the equipment-grounding conductor can result in risk of electric shock. The conductor with insulation having an outer surface that

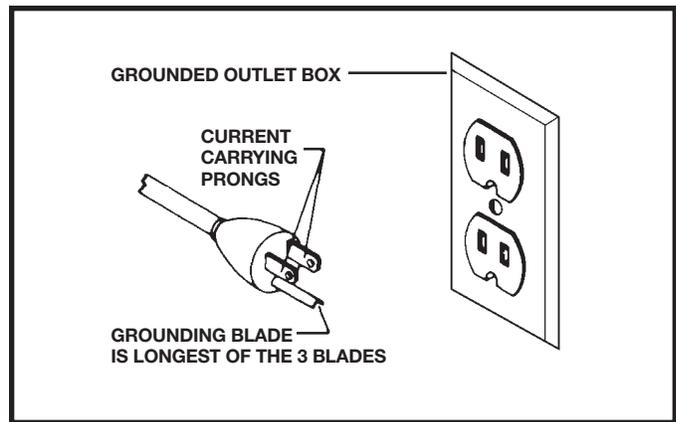


Fig. A

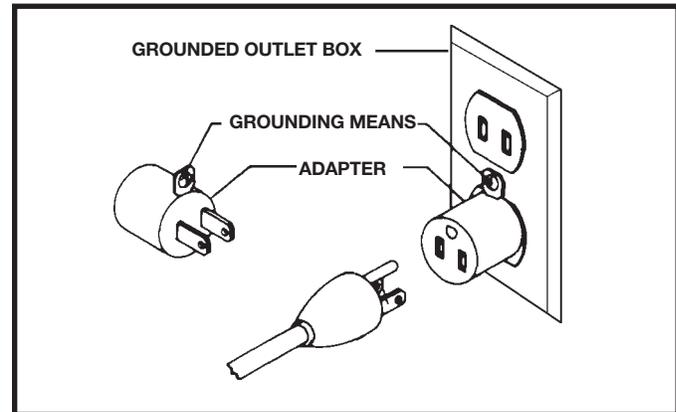


Fig. B

is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the machine is properly grounded.

Use only 3-wire extension cords that have 3-prong grounding type plugs and matching 3-conductor receptacles that accept the machine's plug, as shown in Fig. A.

Repair or replace damaged or worn cord immediately.

### 2. Grounded, cord-connected machines intended for use on a supply circuit having a nominal rating less than 150 volts:

If the machine is intended for use on a circuit that has an outlet that looks like the one illustrated in Fig. A, the machine will have a grounding plug that looks like the plug illustrated in Fig. A. A temporary adapter, which looks like the adapter illustrated in Fig. B, may be used to connect this plug to a matching 2-conductor receptacle as shown in Fig. B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green-colored rigid ear, lug, and the like, extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box. Whenever the adapter is used, it must be held in place with a metal screw.

**NOTE:** In Canada, the use of a temporary adapter is not permitted by the Canadian Electric Code.

**⚠ DANGER** In all cases, make certain that the receptacle in question is properly grounded. If you are not sure, have a qualified electrician check the receptacle.

## EXTENSION CORDS

**⚠ WARNING** Use proper extension cords. Make sure your extension cord is in good condition and is a 3-wire extension cord which has a 3-prong grounding type plug and matching receptacle which will accept the machine's plug. When using an extension cord, be sure to use one heavy enough to carry the current of the machine. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating. Fig. D-1 shows the correct gauge to use depending on the cord length. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

MINIMUM GAUGE EXTENSION CORD			
RECOMMENDED SIZES FOR USE WITH STATIONARY ELECTRIC MACHINES			
Ampere Rating	Volts	Total Length of Cord in Feet	Gauge of Extension Cord
0-6	120	up to 25	18 AWG
0-6	120	25-50	16 AWG
0-6	120	50-100	16 AWG
0-6	120	100-150	14 AWG
6-10	120	up to 25	18 AWG
6-10	120	25-50	16 AWG
6-10	120	50-100	14 AWG
6-10	120	100-150	12 AWG
10-12	120	up to 25	16 AWG
10-12	120	25-50	16 AWG
10-12	120	50-100	14 AWG
10-12	120	100-150	12 AWG
12-16	120	up to 25	14 AWG
12-16	120	25-50	12 AWG
12-16	120	GREATER THAN 50 FEET NOT RECOMMENDED	

Fig. D-1

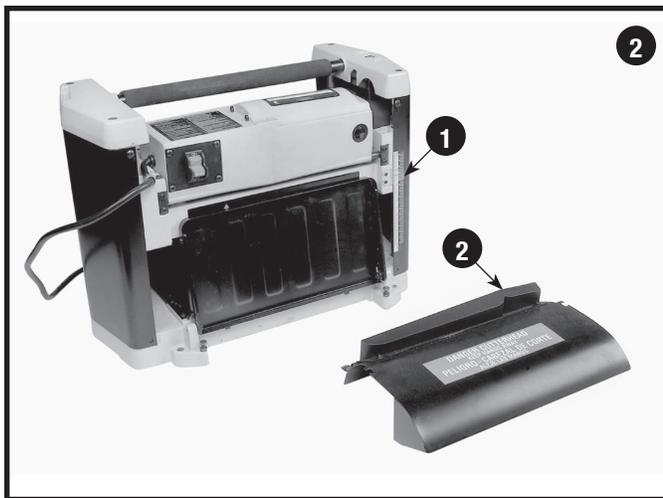
## FUNCTIONAL DESCRIPTION

### FOREWORD

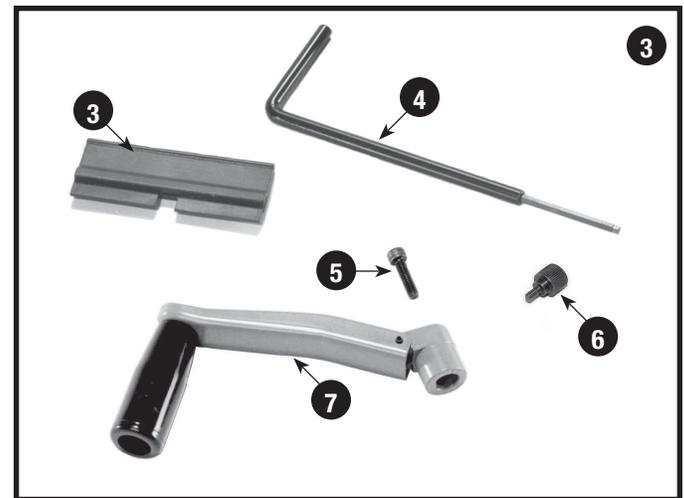
PC305TP is a 12-1/2 inch (317 mm) Portable Planer. This planer can handle workpieces up to 12-1/2 inches (317 mm) wide and 6 inches (152 mm) thick. The maximum depth of cut is 3/32 inch (2.4 mm). The PC305TP features a powerful 15 amp, 120 volt motor, a two-knife cutterhead with double-edged reversible knives, knife-installation tool and wrench.

**NOTE:** The picture on the manual cover illustrates the current production model. All other illustrations contained in the manual are representative only and may not depict the actual labeling or accessories included. These are intended to illustrate technique only.

## CARTON CONTENTS



1. Planer
2. Cutterhead Guard



3. Knife Transfer Tool
4. 5 mm Wrench Assembly
5. M5 x 20 mm Hex Socket Head Screw
6. M5 x 10 mm Knob (2)
7. Elevating Handle

## UNPACKING AND CLEANING

Carefully unpack the machine and all loose items from the shipping container(s). Remove the rust-preventative oil from unpainted surfaces using a soft cloth moistened with mineral spirits, paint thinner or denatured alcohol.

**NOTICE:** Do not use highly volatile solvents such as gasoline, naphtha, acetone or lacquer thinner for cleaning your machine.

After cleaning, cover the unpainted surfaces with a good quality household floor paste wax.

## ASSEMBLY

**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.

### ASSEMBLY TOOLS REQUIRED

- 5 mm hex wrench (included)

### ASSEMBLY TIME ESTIMATE

Assembly for this machine takes approximately 30 minutes.

### RAISING AND LOWERING HANDLE

Attach the raising and lowering handle (A) Fig. 4 to the shaft (B) and fasten in place with M5 x 20 mm screw (C). **NOTE:** Ensure that the flats of the handle and the flats on the shaft are aligned. Flip handle (A) upward as shown in Fig. 5.

### LOWERING EXTENSION TABLES

The infeed and outfeed extension tables (A) Fig. 6 are shipped attached to the machine in the raised position. Lower the tables (A) on both sides of the planer (Fig. 6). The top surface of extension tables should be level with the planer table. To check and adjust, refer to the section **Leveling Extension Tables** in this manual.

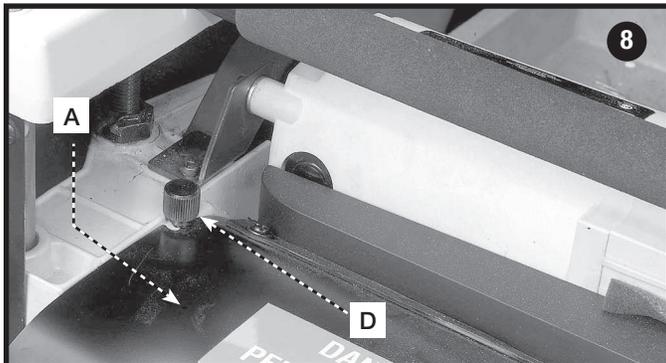
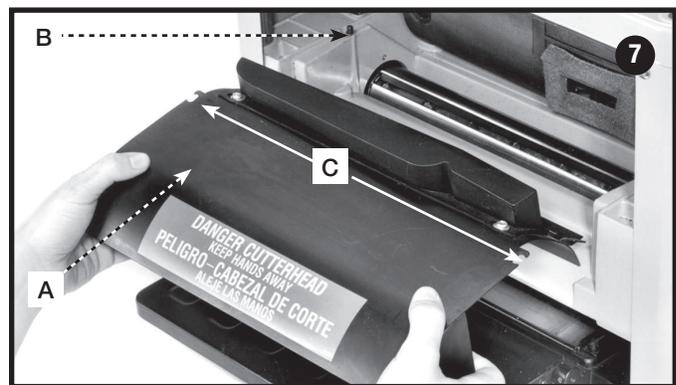
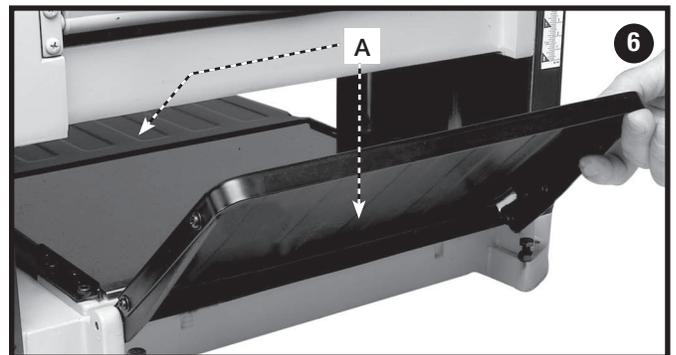
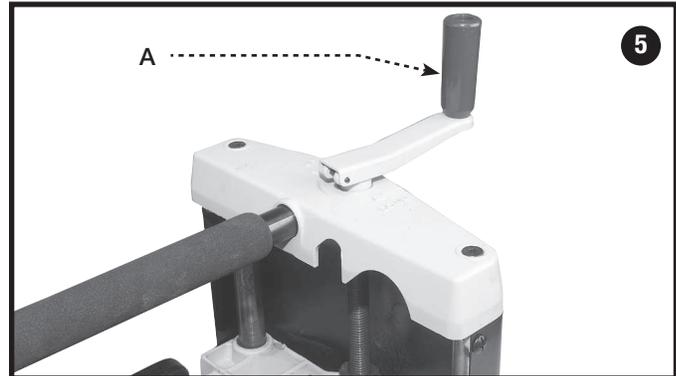
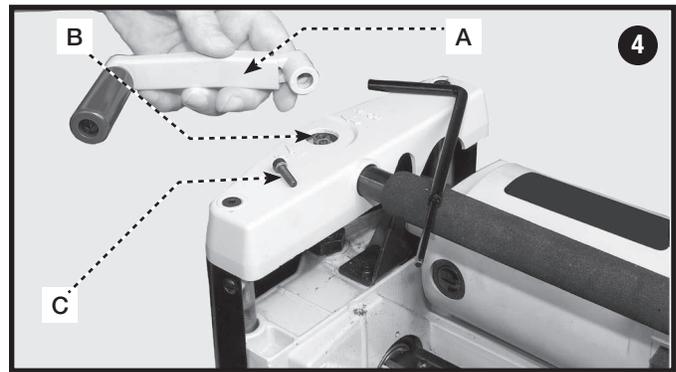
### CUTTERHEAD GUARD

1. Attach the cutterhead guard (A) Fig. 7 to the planer by inserting the end of the guard over the top of the cutterhead. Place the slots in the cutterhead guard (C) over the tapped holes (B).
2. Fasten cutterhead guard (A) Fig. 8 to planer using two knobs, one of which is shown at (D) Fig. 8.

**WARNING:** Make sure that the cutterhead guard is properly secured with the knobs before operating this machine.

### FASTENING PLANER TO SUPPORTING SURFACE

During operation, if there is any tendency for the planer to tip over, slide or "walk" across the supporting surface, the planer must be secured to the supporting surface. Four holes (two of which are shown at (A) Fig. 9) are provided for this purpose.



# OPERATION

## STARTING AND STOPPING PLANER

**⚠ WARNING:** Make sure that the switch is in the "OFF" position before plugging cord into outlet. Do not touch the plug's metal prongs when unplugging or plugging in the cord.

1. The on/off switch (A) Fig. 10 is located on the front of the planer motor. To turn the machine "ON", move the switch up to the "ON" position.
2. To turn the machine "OFF", move the switch (A) down to the "OFF" position.

## LOCKING SWITCH IN THE "OFF" POSITION

**IMPORTANT:** When the machine is not in use, the switch should be locked in the "OFF" position to prevent unauthorized use. To lock the machine, grasp the switch toggle (T) and pull it out of the switch (Fig. 11). With the switch toggle (T) removed, the switch will not operate. However, should the switch toggle be removed while the planer is running, the machine can be turned "OFF," but cannot be restarted without reinserting the switch toggle (T).

**⚠ WARNING:** In the event of a power outage (such as a breaker or fuse trip), always move the switch to the "OFF" position until the main power is restored.

## RAISING AND LOWERING HEAD ASSEMBLY

The head assembly (A) Fig. 12A contains the cutterhead feed rollers, cutterhead guard and motor. Raising and lowering the head assembly controls the depth-of-cut on your planer. To raise or lower the head assembly, rotate the handle (D).

**NOTE:** One revolution of the handle will move the cutterhead up or down approximately 5/64 inch (2 mm).

An English/metric scale and pointer (C) is located on the front of the planer to indicate the height of the cutterhead. Adjustment to the pointer can be made by running a piece of wood through the machine. Measure the thickness of the workpiece and if an adjustment is necessary, loosen two screws (B) and adjust pointer accordingly. Then tighten two screws.

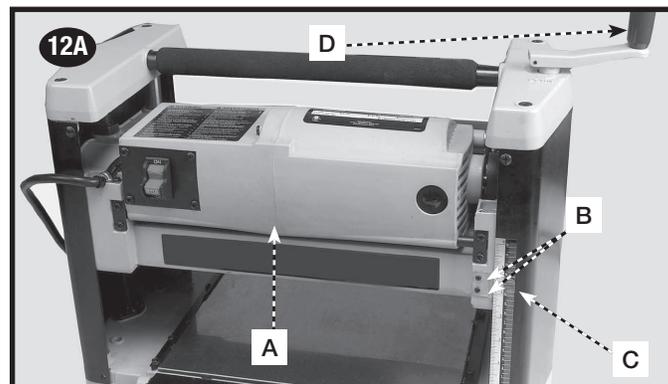
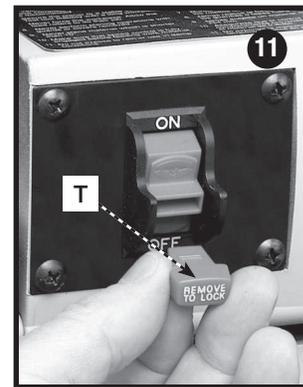
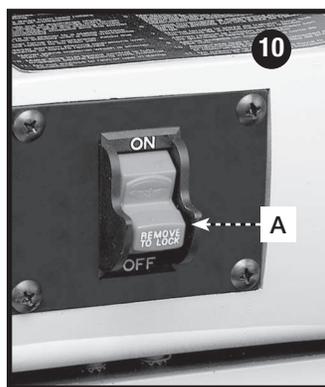
Refer to Fig. 12B for recommended maximum depth-of-cut for various board widths of soft and hard woods.

**NOTICE:** Continuous operation at the deepest depth of cut can cause premature motor failure.

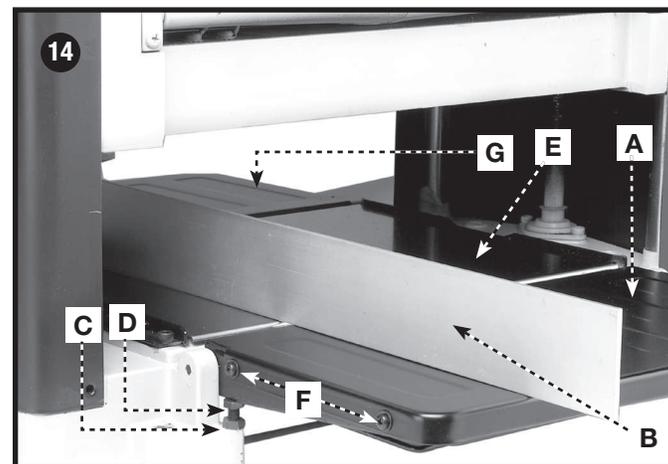
## LEVELING EXTENSION TABLES

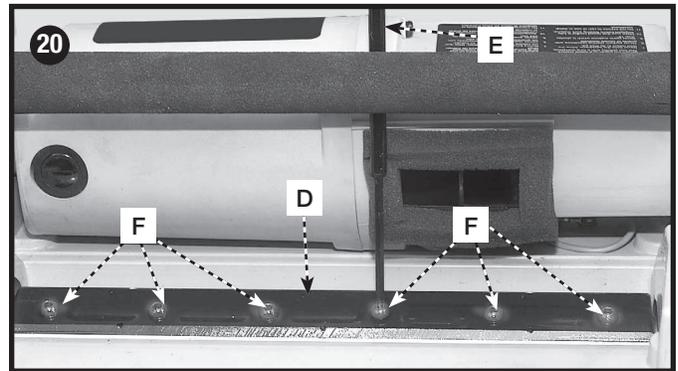
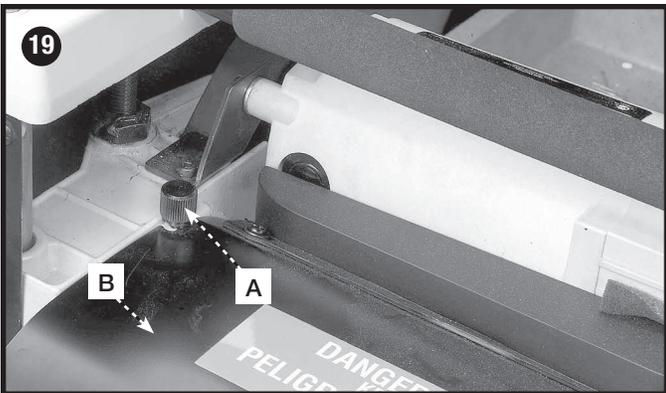
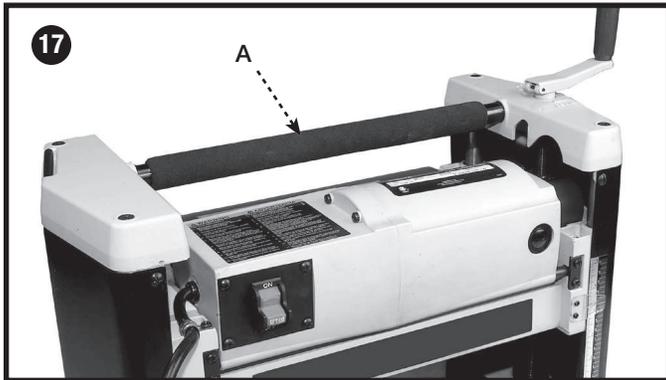
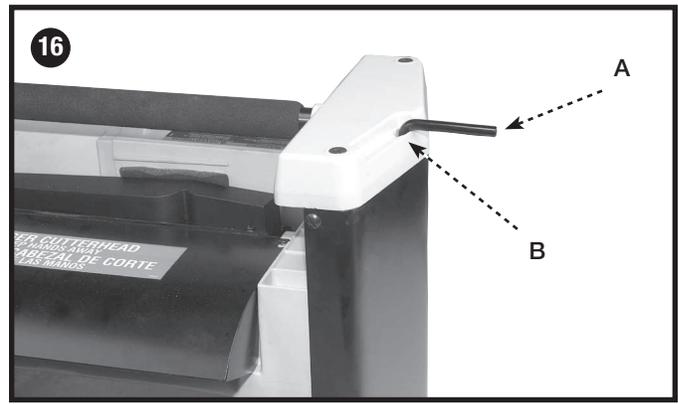
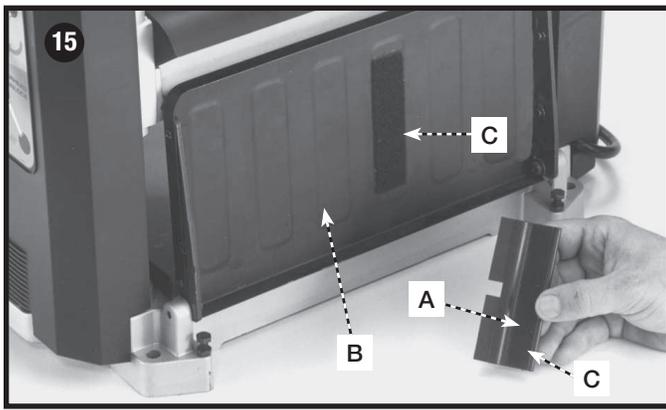
The extension tables (A) and (G) Fig. 14 must be level with the planer table. To check the extension tables and adjust if necessary:

1. Place a straight edge (B) Fig. 14 on the planer table (E) with one end extending out over the infeed table (A). Check to see if the infeed table is level with the planer table on both ends of the planer table.
2. If an adjustment is necessary, loosen the locknut (C) Fig. 14, and adjust the stop screw (D) on each side of the infeed table (A) until the extension table is level with the planer table (E). Tighten the locknut (C). Recheck and make certain that the inside edge of table extension is level with the planer table. If necessary, loosen the two screws (F), adjust the extension table and retighten the two screws (F). Adjust the opposite side of the table in the same manner. Make certain that the extension table is solidly supported when downward pressure on the table is applied.
3. Check and adjust the outfeed table (G) in the same manner.



12B	Maximum depth-of-cut	
Board Width	Soft Woods	Hard Woods
2 inches (50.8 mm)	3/32 inches (2.4 mm)	3/32 inches (2.4 mm)
4 inches (101.6 mm)	3/32 inches (2.4 mm)	3/32 inches (2.4 mm)
6 inches (152.4 mm)	3/32 inches (2.4 mm)	3/32 inches (2.4 mm)
7 inches (177.8 mm)	3/32 inches (2.4 mm)	3/32 inches (2.4 mm)
8 inches (203.2 mm)	3/32 inches (2.4 mm)	3/32 inches (2.4 mm)
9 inches (228.6 mm)	5/64 inches (2 mm)	1/16 inches (1.6 mm)
10 inches (254 mm)	1/16 inches (1.6 mm)	3/64 inches (1.2 mm)
11 inches (279.4 mm)	1/16 inches (1.6 mm)	3/64 inches (1.2 mm)
12 inches (304.8 mm)	1/16 inches (1.6 mm)	3/64 inches (1.2 mm)





### KNIFE TRANSFER TOOL STORAGE

The knife transfer tool (A) Fig. 15, supplied with your planer, can easily be stored underneath the outfeed table extension (B) when not being used. A Velcro strip (C) is provided on the tool and underneath the table for this purpose.

### WRENCH STORAGE

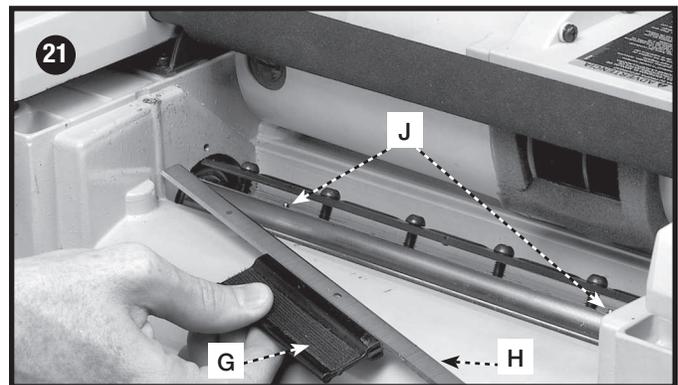
The wrench (A) Fig. 16, can be stored in hole (B) located on the right rear side of the machine as shown.

### CARRYING HANDLE/STOCK TRANSFER BAR

1. Your planer is provided with a foam covered carrying handle (A) Fig. 17, located on top of the machine, for ease in transporting the planer.
2. The carrying handle (A) Fig. 18, also doubles as a stock transfer bar for transferring stock from the outfeed to infeed end of the machine. This is helpful when planing long material, as the workpiece can easily be transferred back to the infeed end of the machine for additional cuts.

### REPLACING KNIVES

The knives supplied with your planer are double edged and reversible, which enables you to turn the knives end-for-end when one edge becomes dull or chipped. To change the knives, proceed as follows:

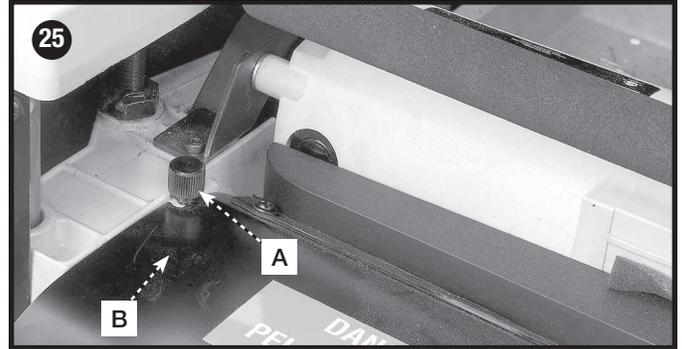
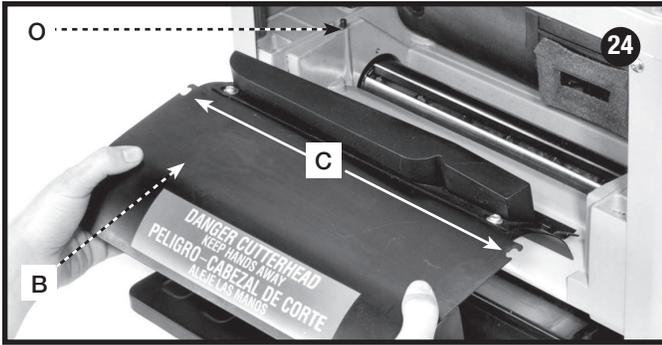
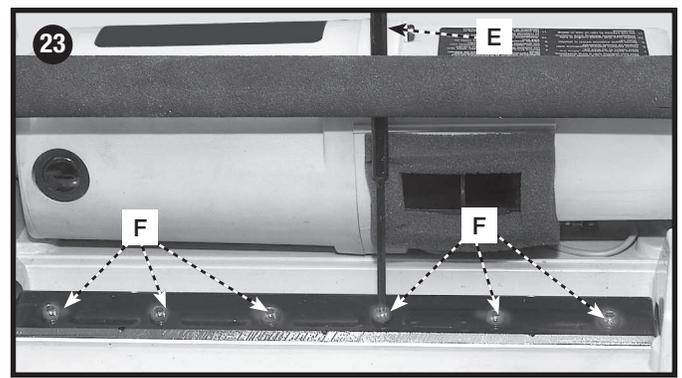
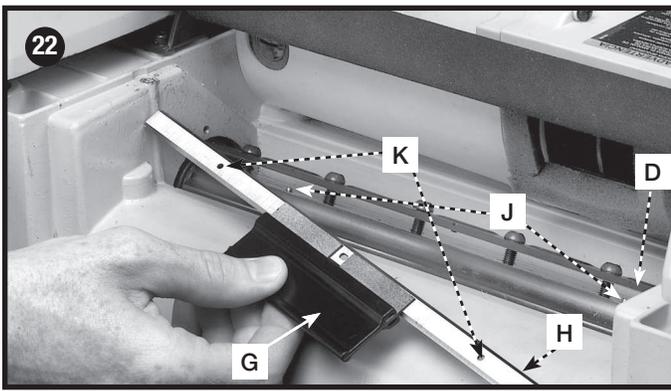


**⚠ WARNING:** Disconnect tool from power source.

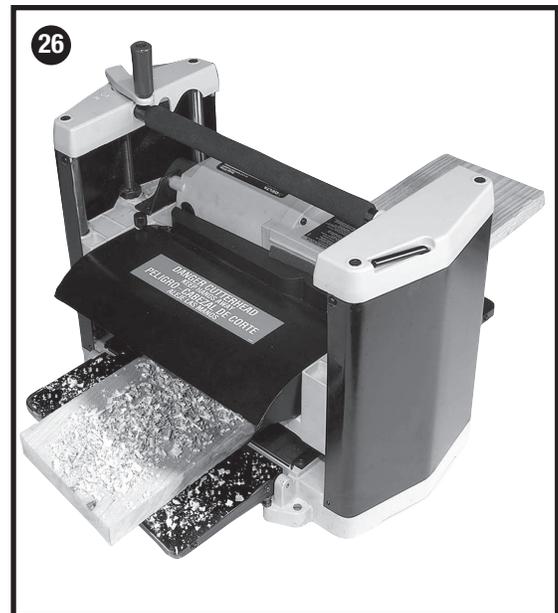
1. Raise head assembly all the way to the top.
2. Remove cutterhead guard (B) Fig. 19 by removing two knobs, one of which is shown at (A).

**⚠ WARNING:** The knives are extremely sharp. Be careful when removing, handling or installing knives.

3. Using the supplied wrench (E) Fig. 20, unscrew the six screws at (F), only enough until locking bar (D) separates from knife, allowing knife to be removed.



4. Insert knife transfer tool (G) Fig. 21, underneath center of knife. Lift the knife transfer tool up until knife (H) separates from pins (J) and pull out and remove knife as shown. **NOTE:** Knife transfer tool is magnetized, allowing it to attach to knife.
5. Rotate knife (H) Fig. 22 end-for-end, or using a new knife, position knife transfer tool (G) on top of knife as shown. Place knife in cutterhead with bevel up underneath locking bar (D), making sure pins (J) in cutterhead engage with holes (K) in knife.
6. Remove knife transfer tool and tighten the six screws at (F) Fig. 23, using wrench (E) supplied.
7. Replace other knife by rotating head 180 degrees and repeat STEPS 3 THROUGH 6.
8. Attach the cutterhead guard (B) Fig. 24 to the planer by inserting the end of the guard over the top of the cutterhead. Place the slots in the cutterhead guard (C) over the tapped holes (O). Fasten cutterhead guard (B) Fig. 25 to planer using two knobs, one of which is shown at (A) Fig. 25.



## MACHINE USE

When using your machine, follow these few simple steps for achieving the best results.

1. **True Up One Face** – Feed one face of the board over a jointer, making thin cuts with each pass, until the entire surface is flat.
2. **Plane to Thickness** – Place the side you planed in **STEP 1** face down and feed the board through the planer, (Fig. 26). Plane until this side is flat, then plane both sides of the board until you are satisfied with the thickness. Make thin cuts, and alternate sides with each pass. If, during the planing operation, you notice the board twisting, warping, or bowing, repeat **STEP 1** and true up one face.
3. When planing long stock, provide table extensions to support the infeed and outfeed end of the workpiece.

4. Plane with the grain only, and keep planer table clean. Occasionally, wax the table surface to reduce friction during the planing operation.
5. **Cross-cut to Final Length** – Cross-cut lumber to final length.

**⚠ CAUTION** The knives on the planer will not wear evenly if the wood is fed through the same spot on the table every time. Feed the wood through the planer at different spots on the table to help eliminate uneven wear of the knives.

# TROUBLESHOOTING

For assistance with your machine, visit our website at [www.portercable.com](http://www.portercable.com) for a list of service centers or call the help line at 1-888-848-5175.

## 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.

### KEEP MACHINE 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 certified safety equipment for eye, hearing and respiratory protection while using compressed air.

### FAILURE TO START

Should your machine 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 & RUST PROTECTION

Apply household floor paste wax to the planer table, extension table or other work surface weekly. Or use a commercially available protective product designed for this purpose. Follow the manufacturer's instructions for use and safety.

### BRUSH INSPECTION AND REPLACEMENT

**⚠ WARNING:** Disconnect tool from power source.

Brush life varies. It depends on the load on the motor. Check the brushes after the first 50 hours of use for a new machine or after a new set of brushes has been installed. After the first check, examine them after about 10 hours of use until such time that replacement is necessary.

The brush holders, one of which is shown at (A) Fig. 27, are located on the motor housing opposite each other. One of the brushes, removed for inspection, is illustrated in Fig. 28. When the carbon (B) on either brush is worn to 3/16 inch (4.7 mm) in length or if either spring (C) or shunt wire is burned or damaged in any way, replace both brushes. If the brushes are found serviceable after removing, re-install them in the same position as removed.

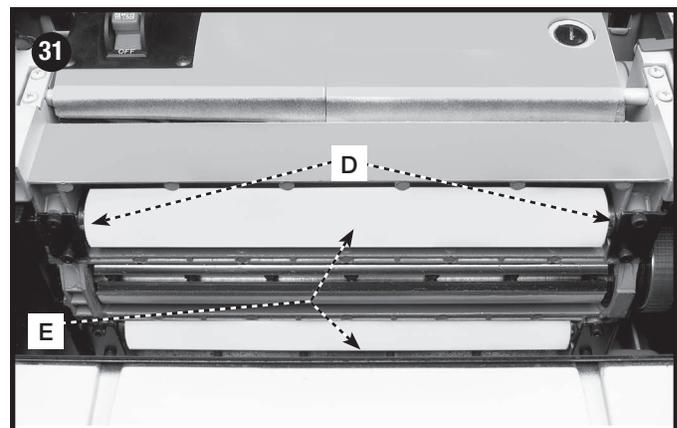
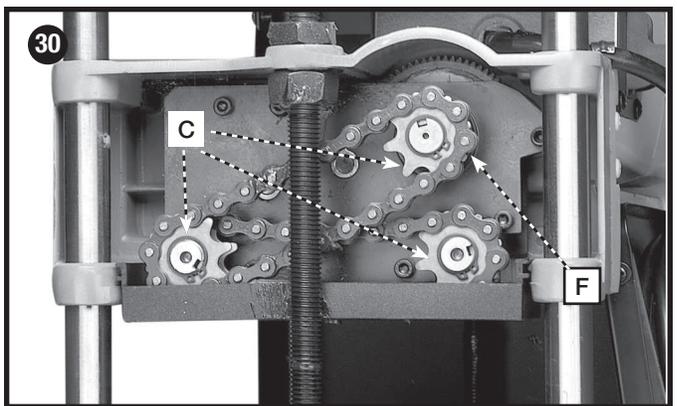
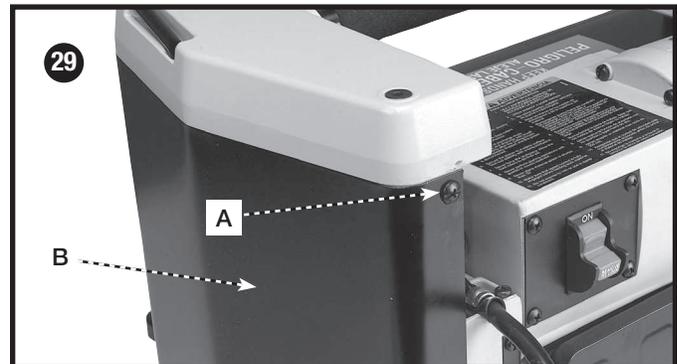
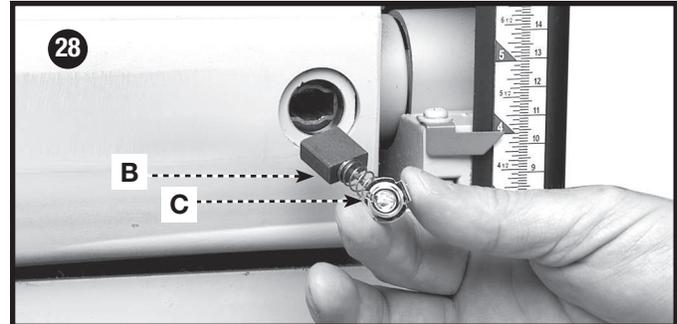
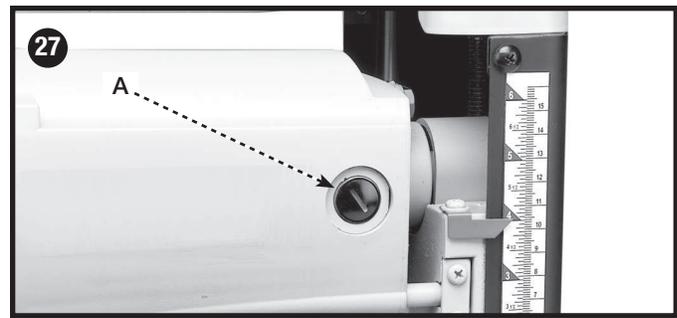
**⚠ WARNING:** After brush maintenance is completed, the cutterhead guard must be re-installed before starting the planer.

### LUBRICATION

The gears in the gear box and the feed roller bushings should be lubricated periodically.

**⚠ WARNING:** Disconnect tool from power source.

1. Remove the screw (A) Fig. 29, and nut located on the other end of screw. Remove the side cover (B) from the left side of the planer.
2. Place a light coat of E.P. multi-purpose grease on the teeth of the gears (C) Fig. 30, and a light coat of spray lubricant on the chains (F). Replace the side cover.
3. Place the planer on its back and squirt oil on the feed roller bushings (D) Fig. 31 at each end of the feed rollers (E).
4. Replace side cover.



## SERVICE

### REPLACEMENT PARTS

Use only identical replacement parts. For a parts list or to order parts, visit our service website at [www.portercable.com](http://www.portercable.com). You can also order parts from your nearest PORTER-CABLE Factory Service Center or PORTER-CABLE Authorized Warranty Service Center. Or, you can call our Customer Care Center at (888) 848-5175.

### SERVICE AND REPAIRS

All quality tools will eventually require servicing and/or replacement of parts. For information about PORTER-CABLE, its Factory Service Centers or Authorized Warranty Service Centers, visit our website at [www.porter-cable.com](http://www.porter-cable.com) or call our Customer Care Center at (888) 848-5175. All repairs made by our service centers are fully guaranteed against defective material and workmanship. We cannot guarantee repairs made or attempted by others.

You can also write to us for information at PORTER-CABLE, 4825 Highway 45 North, Jackson, Tennessee 38305, (888) 848-5175 - Attention: Product Service. Be sure to include all of the information shown on the nameplate of your tool (model number, type, serial number, etc.).

## ACCESSORIES

**⚠ WARNING:** Since accessories, other than those offered by PORTER-CABLE, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only PORTER-CABLE recommended accessories should be used with this product.

A complete line of accessories is available from your PORTER-CABLE Factory Service Center or a PORTER-CABLE Authorized Warranty Service Center. Please visit our web site [www.portercable.com](http://www.portercable.com) for a catalog or for the name of your nearest supplier.

## THREE YEAR LIMITED WARRANTY

PORTER-CABLE will repair or replace, without charge, any defects due to faulty materials or workmanship for three years from the date of purchase for tools (two years for batteries). This warranty does not cover part failure due to normal wear or tool abuse. For further detail of warranty coverage and warranty repair information, visit [www.portercable.com](http://www.portercable.com) or call (888) 848-5175. 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 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.

To register your tool for warranty service visit our website at [www.portercable.com](http://www.portercable.com).

### WARNING LABEL REPLACEMENT

If your warning labels become illegible or are missing, call (888) 848-5175 for a free replacement.

### ⚠ WARNING

## LACERATION HAZARD.

KEEP HANDS AWAY FROM OUTLET.

### ⚠ ADVERTENCIA

## PELIGRO DE LACERACIÓN.

MANTENGA LAS MANOS LEJOS DEL TOMACORRIENTE.

### ⚠ AVERTISSEMENT

## RISQUE DE LACÉRATION.

ÉLOIGNER LES MAINS DU PORT DE SORTIE.

**⚠ WARNING** TO REDUCE THE RISK OF INJURY USER MUST READ THE INSTRUCTION MANUAL BEFORE OPERATING PLANER. ALWAYS WEAR PROPER EYE AND RESPIRATORY PROTECTION. WHEN OPERATING THIS TOOL, DO NOT WEAR GLOVES, NECKTIES, JEWELRY, LOOSE CLOTHING OR LONG HAIR. **PINCH HAZARD.** KEEP HANDS AWAY FROM FEED ROLLERS OR TOP SURFACE OF WORKPIECE. **LACERATION HAZARD.** KEEP HANDS OUT OF DISCHARGE CHUTE. REMOVE CHIPS AND SHAVINGS WITH BRUSH OR VACUUM ONLY AFTER THE CUTTING KNIVES HAVE COMPLETELY STOPPED AND THE POWER IS DISCONNECTED. NEVER PERFORM PLANING OPERATIONS WITH GUARDS OR COVERS REMOVED. SECURE THE PLANER TO A STABLE SURFACE. TEST TOOL STABILITY WITH A LONG WORKPIECE. **KICKBACK HAZARD.** NEVER FORCE THE WORKPIECE. ALLOW THE FEED ROLLERS TO DO THEIR JOB. NEVER PLANE MATERIAL WHICH IS SHORTER THAN 10 INCHES (254 MM). MAKE SURE THAT SPEED CONTROL IS FULLY ENGAGED BEFORE FEEDING WORK MATERIAL. **SHOCK HAZARD.** DO NOT EXPOSE TO RAIN OR USE IN DAMP LOCATIONS.

**⚠ ADVERTENCIA** PARA REDUCIR EL RIESGO DE LESIONES, EL USUARIO DEBE LEER MANUAL DE INSTRUCCIONES ANTES DE OPERAR LA CEPILLADORA. SIEMPRE UTILICE PROTECCIÓN ADECUADA PARA LOS OJOS Y VÍAS RESPIRATORIAS. CUANDO OPERE ESTA HERRAMIENTA, NO UTILICE GUANTES, CORBATAS, JOYAS, ROPA HOLGADA NI EL CABELLO LARGO SUELTOS. **RIESGO DE PELLIZCOS.** MANTENGA LAS MANOS ALEJADAS DE LOS RODILLOS DE AVANCE O DE LA SUPERFICIE SUPERIOR DE LA PIEZA DE TRABAJO. **PELIGRO DE LACERACIÓN.** MANTENGA LAS MANOS FUERA DEL CONDUCTO DE DESCARGA. RETIRE LAS ASTILLAS O LOS RECORTES CON UN CEPILLO O ASPIRADORA SÓLO DESPUÉS DE QUE LAS CUCHILLAS DE CORTE SE HAYAN DETENIDO POR COMPLETO Y SE HAYA DISCONECTADO LA ENERGÍA. NUNCA REALICE OPERACIONES DE CEPILLADO SIN LAS GUARDIAS O LAS TAPAS. ASEGURE LA CEPILLADORA A UNA SUPERFICIE ESTABLE. PRUEBE LA ESTABILIDAD DE LA HERRAMIENTA CON UNA PIEZA DE TRABAJO LARGA. **RIESGO DURANTE EL RETROCESO.** NUNCA FUERCE LA HERRAMIENTA DE TRABAJO, PERMITA QUE LOS RODILLOS DE AVANCE HAGAN SU TRABAJO. NUNCA CEPILLE EL MATERIAL MÁS CORTO QUE 254 MM (10 PULG). ASEGURESE DE QUE EL CONTROL DE VELOCIDAD ESTÉ TRABAJANDO POR COMPLETO ANTES DE INTRODUCIR EL MATERIAL DE TRABAJO. **RIESGO DE DESCARGA ELÉCTRICA.** NO EXPOGA A LA LLUVIA NI UTILICE EN LUGARES HÚMEDOS.

**⚠ AVERTISSEMENT** L'UTILISATEUR DOIT LIRE LE MODE D'EMPLOI AVANT D'UTILISER LA RABOTEUSE AFIN DE RÉDUIRE LE RISQUE DE BLESSURE. TOUJOURS PORTER UNE PROTECTION OCULAIRE ET RESPIRATOIRE ADEQUATE. NE PAS PORTER DE GANTS, NI CRAVATES, NI BIJOUX OU VÊTEMENTS AMPLES ET COUVRIR LES CHEVEUX LONGS LORS DE L'UTILISATION DE L'OUTIL. **RISQUE DE PINCEMENT.** ÉLOIGNER LES MAINS DES ROULEAUX D'ALIMENTATION OU DE LA SURFACE SUPÉRIEURE DE LA PIÈCE. **RISQUE DE LACÉRATION.** ÉLOIGNER LES MAINS DE LA COLLETTE D'ÉVACUATION, À L'AIDE D'UNE BRUSSE OU D'UN ASPIRATEUR. RETIRER LES COPEAUX ET RABOTURES UNIQUEMENT APRÈS L'ARRÊT COMPLET DES LAMES ET LE DÉBRANCHEMENT DE L'OUTIL. NE JAMAIS RABOTER SANS LES DISPOSITIFS DE PROTECTION OU LES COUVERCLES EN PLACE. FIXER LA RABOTEUSE À UNE SURFACE STABLE. TESTER LA STABILITÉ DE L'OUTIL AVEC UNE LONGUE PIÈCE. **RISQUE DE REBOND.** NE JAMAIS FORCER L'AVANCEMENT DE LA PIÈCE. LAISSER AUX ROULEAUX D'ALIMENTATION LE SOIN D'EFFECTUER L'AVANCEMENT. NE JAMAIS RABOTER DE PIÈCES PLUS COURTES QUE 254 MM (10 PO). S'ASSURER QUE LA COMMANDE DE VITESSE SOIT BIEN ENCLICHÉE AVANT D'AVANCER LA PIÈCE. **RISQUE DE CHOC ÉLECTRIQUE.** NE PAS L'EXPOSER À LA PLUIE ET NE PAS L'UTILISER DANS UN ENDROIT HUMIDE.