



3-1/4" Planer

INSTRUCTION MANUAL

Catalog Number 7696

BEFORE RETURNING THIS PRODUCT
FOR ANY REASON PLEASE CALL

1-800-54-HOW-TO (544-6986)

IF YOU SHOULD EXPERIENCE A PROBLEM
WITH YOUR **BLACK & DECKER** PURCHASE,
CALL **1-800-54-HOW-TO (1-800-544-6986)**.

IN MOST CASES, A BLACK & DECKER REPRESENTATIVE
CAN RESOLVE YOUR PROBLEM OVER THE PHONE.

IF YOU HAVE A SUGGESTION OR COMMENT,
GIVE US A CALL. YOUR FEEDBACK IS VITAL
TO THE SUCCESS OF BLACK & DECKER'S QUALITY
IMPROVEMENT PROGRAM.

KEY INFORMATION YOU SHOULD KNOW:


- The front shoe determines the depth of cut, so be sure it is kept in level contact with the work piece.
- For aggressive material removal, use several controlled passes at a shallow depth of cut.
- For optimum results use smooth uninterrupted passes.

SAVE THIS MANUAL FOR FUTURE REFERENCE.

VEA EL ESPAÑOL EN LA CONTRAPORTADA.

INSTRUCTIVO DE OPERACIÓN, CENTROS DE SERVICIO Y PÓLIZA DE
GARANTÍA. **ADVERTENCIA:** LÉASE ESTE INSTRUCTIVO ANTES DE USAR EL
PRODUCTO.

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

- Keep your work area clean and well lit. Cluttered benches and 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 bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

- 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.
- 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.
- Don't 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 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.
- 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

- 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.
- Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothing, jewelry, or long hair can be caught in moving parts.
- 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.
- Remove adjusting keys or wrenches before turning the tool on. A wrench or key that is left attached to a rotating part of the tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.
- Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOL USE AND CARE

- 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.
- 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.
- 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.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool. Such preventative safety measures reduce the risk of starting the tool accidentally.
- Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.
- 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.
- Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.
- 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

- Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
- When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

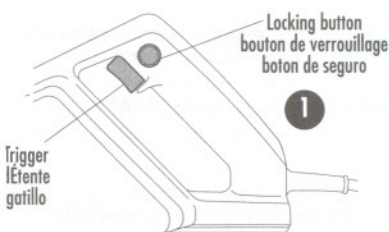
SPECIFIC SAFETY RULES

- Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.
- ⚠ **CAUTION:** Use of this tool can generate dust containing chemicals known to cause cancer, birth defects or other reproductive harm. Use appropriate respiratory protection.
- ⚠ **CAUTION:** Some wood contains preservatives such as copper chromium arsenate (CCA) which can be toxic. When cutting these materials extra care should be taken to avoid inhalation and minimize skin contact.

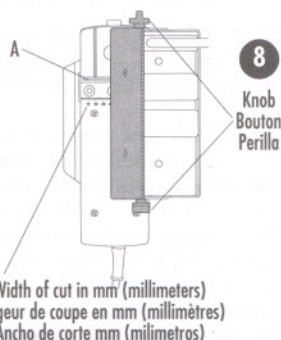
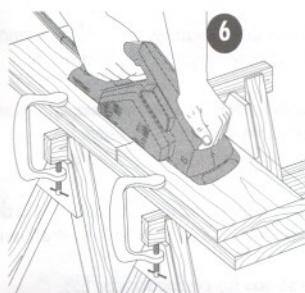
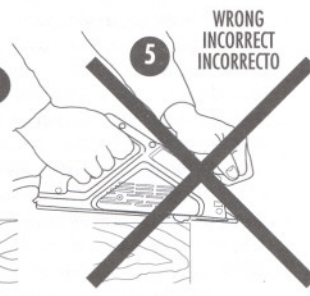
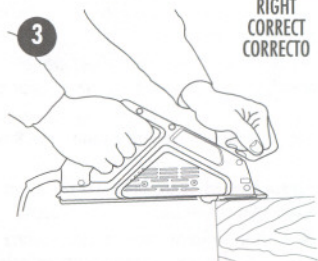
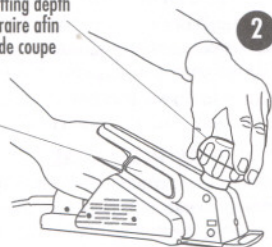
The label on your tool may include the following symbols.

Vvolts
 Hzhertz
 minminutes
 ———direct current
 □Class II Construction
 ⚠safety alert symbol

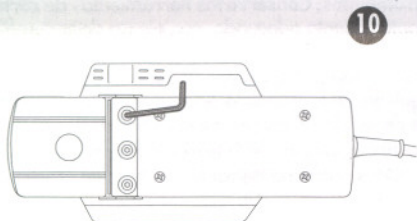
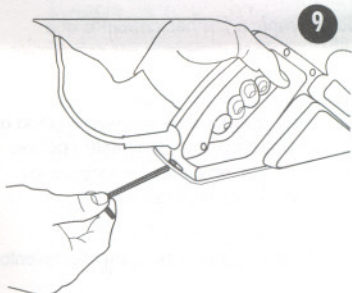
Aamperes
 Wwatts
 ~alternating current
 nono load speed
 ⊕earthing terminal
 .../minrevolutions or reciprocations per minute



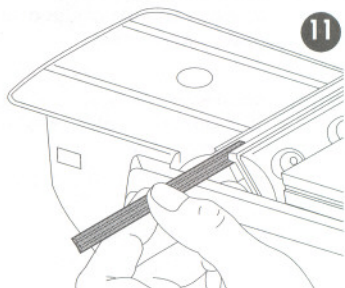
Rotate clockwise to increase cutting depth
 faire tourner dans le sens horaire afin
 d'augmenter la profondeur de coupe



Width of cut in mm (millimeters)
 Largeur de coupe en mm (millimètres)
 Ancho de corte mm (milímetros)



11

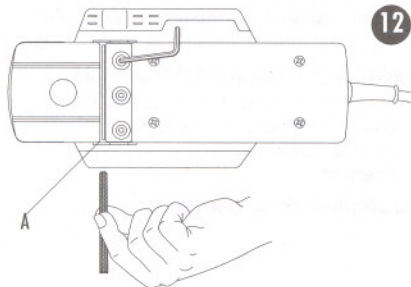


Stringy surface
Surface Filandreuse
Superficie Fibrosa

Cutter blade
Fer
Cuchilla



12



13

Repeated cut
Coupe Répétée
Corte repetido

Cutter blade
Fer
Cuchilla

Round edges
Bords Arrondis
Bordes redondos



First planed surface
Première surface rabotée
Superficie que se cepillo primero

Next planing part
Prochaine Partie Rabotée
Parte Por Cepillar A Continuacion



14



Flanges
Brides
Cejas

⚠️ ADDITIONAL SAFETY INSTRUCTIONS FOR PLANERS

- Read instruction manual thoroughly before using this tool.
- Be sure the switch is in OFF position before connecting tool to power supply.
- Switch **OFF** immediately if tool is jammed in work.
- Disconnect from power source when cleaning or making adjustments to the tool.
- Be sure tool is properly held or set for right use before turning switch to **ON**.
- Maintain tool with care. Follow instructions for lubricating and changing accessories.
- Store tool in a clean dry place after disconnecting from power source.
- Keep air vents unobstructed for proper motor cooling.
- **DO NOT** lay tool down on shoe when the blades are exposed. This can chip the blades.
- Keep side discharge chute unobstructed at all times.
- Never reach under the tool for any reason unless it is turned off and **UNPLUGGED. BLADES ARE EXPOSED AND EXTREMELY SHARP.**
- Use this tool for working with wood and wood products only.
- Never operate without securely holding the front handle.
- Always operate planer with two hands.
- Planer blades are extremely sharp - Handle with great care.

SAVE THESE INSTRUCTIONS

MOTOR

Your Black & Decker tool is powered by a Black & Decker-built motor. Be sure your power supply agrees with nameplate marking. 120 Volts AC only means your planer will operate on standard 60 Hz household power. Do not operate AC tools on DC. A rating of 120 volts AC/DC means that your tool will operate on standard 60 Hz AC or DC power. This information is printed on the nameplate. Lower voltage will cause loss of power and can result in over-heating. All Black & Decker tools are factory-tested; if this tool does not operate, check the power supply.

USE OF EXTENSION CORDS

Make sure the extension cord is in good condition before using. Always use the proper size extension cords with the tool – that is, proper wire size for various lengths of cord and heavy enough to carry the current the tool will draw. Use of an undersized cord will cause a drop in line voltage resulting in loss of power and overheating. For proper size cords see chart below.

Volts	Minimum Gage for Cord Sets				
	Total Length of Cord in Feet				
120V	0-25	26-50	51-100	101-150	
240V	0-50	51-100	101-200	201-300	
Ampere Rating		American Wire Gage			
More Than	Not more Than				
0	- 6	18	16	16	14
6	- 10	18	16	14	12
10	- 12	16	16	14	12
12	- 16	14	12	Not Recommended	

Operation

REMOVE PROTECTIVE PLASTIC COVERING FROM BOTTOM OF TOOL AND THROW IT AWAY.

SWITCH

ALWAYS PICK UP YOUR PLANER BEFORE DEPRESSING THE SWITCH. The planer is started by depressing the trigger in the handle. To turn the planer OFF, release the trigger.

To LOCK the tool ON, for continuous use, hold the trigger depressed and push in the locking button shown in Figure 1. Hold the button in while gently releasing the trigger. To turn the tool OFF from a locked-on position, depress and release the trigger once.

ADJUSTING PLANING DEPTH

Turn off and unplug Planer. Planing depth is infinitely variable from 0 to .060" (1/16"/1.6mm) and is adjustable by rotating the knob on the top of the planer near the front, as shown in Figure 2. The position on the knob marked "P" is the "Park" position; use this setting when storing the tool or whenever it is unattended. As the knob is rotated clockwise from the "P" position the cutting depth will increase from 0 to as much as .060" (1/16"/1.6mm). It is recommended that test cuts be made in scrap wood after each readjustment to make sure that the desired amount of wood is being removed by the planer. Several shallow passes will produce a smoother finish than one deep one.

PLANING

Hold the planer as shown in Figure 3 with one hand on the switch handle and the other hand on the front handle. Place the front shoe on the surface to be planed, making certain that the cutting blades are not touching the surface. Push down firmly on the front handle of the planer so that the front shoe is ABSOLUTELY FLAT on the work surface. Pull the trigger switch and allow the motor to reach full speed before beginning to plane.

Move the tool slowly into the work and maintain downward pressure to keep the planer flat. Be particularly careful to keep the tool flat at the beginning and the end of the work surface, see Figures 4 and 5.

PLANING TIP: For a smoother appearance, fasten a piece of scrap wood to the end of the piece you are planing as shown in Figure 6. Don't stop planing until the cutting blades of the planer are past your work piece and into the scrap material.

RABBETING

Your planer can make rabbet cuts up to 5/16" (7.9mm) deep when used with the Edge and Miter Guide. Note: Edge and Miter Guide and Collection Bag are available as service parts through our Mail Order Department. Their phone number is 888-678-7278.

To make a rabbet cut, adjust the edge and miter guide (see Figures 7 & 8) for the desired width of cut. Make this setting along the numbers on the bottom of the planer shoe, starting at the right hand edge of the planer blades. (The point marked "A" in Figure 8) Set the miter angle for 0° (perpendicular to the planer shoe). Set the cutting depth to maximum and make repeated cuts until the desired depth is reached.

NOTE: It will be necessary to make quite a few cuts for most rabbet applications.

HOW TO CHANGE AND ROTATE BLADES

For best results, keep the blades clean and replace when necessary. Replacement blades are available at your local Black & Decker service center. **DO NOT ATTEMPT TO SHARPEN THESE BLADES.**

Turn off and unplug planer. Perform steps 1 through 5 on both blades in blade drum.

1. Remove the hex wrench from the hole in the base of the switch handle as shown in Figure 9.

2. Loosen (do not remove) the three screws shown in Figure 10.

NOTE: There are two blades in the blade drum. Every operation you perform on one blade, you will also perform on the other.

3. With the three screws loose, push the old blade out with a screwdriver. The blades have two cutting edges on them so that, if this is the first time you are changing blades, you need only to turn the blade around to expose the fresh cutting edge. Otherwise you will have to replace the blades.

4. Install the new (or reversed) blade as shown in the close-up view shown in Figure 11. Slide the blade all the way in until the end of it is flush with the end of the blade drum marked "A" in Figure 12.

5. Securely tighten all three screws (for both blades) and replace the hex wrench.

EDGE CHAMFERING

Your planer has two precision machined grooves in the front shoe for planing along a corner of the wood. It's a good idea to try a piece of scrap wood before doing finish work.

PLANING WIDE PIECES

The width of the planing blade is 3-1/4" (82mm). When planing a piece of wood wider than the planer blade, a smoother finish can be attained by rounding the edges of the blade as shown in Figure 13.

NOTE: Rounding these edges will slightly decrease the planing width.

EDGE AND MITER GUIDE: PART # 429927-00

(AVAILABLE THROUGH OUR MAIL ORDER DEPARTMENT 888-678-7278)

Turn off and unplug planer. Return the planing depth adjustment knob to the "P" position. The edge and miter guide is used to increase the accuracy of your planer. It is adjustable from 0 to 45°. Use it to guide the planer on straight cuts and to make accurate bevel cuts. Its simple design allows installation and removal in seconds. Follow the steps below to install your edge and miter guide.

1. Slide the square rod into the hole on the side of the planer near the front as shown in Fig. 7.
2. Loosely install the black plastic edge and miter guide lock knob in the threaded hole provided in the front of the planer, as shown in Figure 7.
3. Adjust the edge and miter guide to the desired planing width by aligning it with the numbers on the bottom of the planer, as shown in Figure 8. **NOTE:** These numbers are in millimeters.
4. Tighten the edge and miter guide lock knob.
5. Adjust the bevel angle by loosening the two knobs on opposite ends of the guide and moving the adjustable plate until the desired angle (in degrees) is obtained.
6. Tighten the two knobs on opposite ends of the guide.

DUST COLLECTION BAG: PART # 429928-00

(AVAILABLE THROUGH OUR MAIL ORDER DEPARTMENT 888-678-7278)

Turn off and unplug planer, Planing depth adjustment knob in "P" position. The dust collection bag greatly reduces clean-up time by collecting the dust produced by the planer. A zipper on the bottom of the bag opens to empty the dust, and this whole bag just slips on and off.

Follow the steps below to install your dust collection bag.

1. Install the wire frames into the plastic plate as shown in Figure 14.
2. Install the four screws into the plastic plate to retain the wire frames, as shown in Figure 14.
3. With the zipper on the bottom (longest side of plastic plate) pull the cloth bag over the wire frame and stretch the elastic band around the edge of the plastic plate and position it between the two sets of flanges on the plate.
4. Slip the inlet opening over the shavings exhaust port on the right side of the planer.

MAINTENANCE

Use only mild soap and damp cloth to clean the tool. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

IMPORTANT: To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment should be performed by authorized service centers or other qualified service organizations, always using identical replacement parts.

ACCESSORIES

Recommended accessories for use with your tool are available from your local service center or our mail order department. If you need assistance regarding accessories, please call: 1-800-54-HOW-TO (544-6986).

⚠ WARNING: The use of any accessory not recommended for use with this tool could be hazardous.

SERVICE INFORMATION

Black & Decker offers a full network of company-owned and authorized service locations throughout North America. All Black & Decker Service Centers are staffed with trained personnel to provide customers with efficient and reliable power tool service.

Whether you need technical advice, repair, or genuine factory replacement parts, contact the Black & Decker location nearest you. To find your local service location, refer to the yellow pages directory under "Tools—Electric" or call: **1-800-54-HOW-TO (544-6986)**.

FULL TWO-YEAR HOME USE WARRANTY

Black & Decker (U.S.) Inc. warrants this product for two years against any defects in material or workmanship. The defective product will be replaced or repaired at no charge in either of two ways. The first, which will result in exchanges only, is to return the product to the retailer from whom it was purchased (provided that the store is a participating retailer). Returns should be made within the time period of the retailer's policy for exchanges (usually 30 to 90 days after the sale). Proof of purchase may be required. Please check with the retailer for their specific return policy regarding returns that are beyond the time set for exchanges.

The second option is to take or send the product (prepaid) to a Black & Decker owned or authorized Service Center for repair or replacement at our option. Proof of purchase may be required. Black & Decker owned and authorized Service Centers are listed under "Tools-Electric" in the yellow pages of the phone directory. This warranty does not apply to accessories. This warranty gives you specific legal rights and you may have other rights which vary from state to state. Should you have any questions, contact the manager of your nearest Black & Decker Service Center. This product is not intended for commercial use.

Black & Decker (U.S.) Inc.,
701 E. Joppa Rd.
Towson, MD 21286 U.S.A.



See 'Tools-Electric'
– Yellow Pages –
for Service & Sales

