

**CHICAGO**  
**Electric® Power Tools**

# 3<sup>1</sup>/<sub>4</sub>" ELECTRIC PLANER

**Model 95838**

## SET UP AND OPERATION INSTRUCTIONS



Distributed exclusively by Harbor Freight Tools®.

3491 Mission Oaks Blvd., Camarillo, CA 93011

Visit our website at: <http://www.harborfreight.com>



**Read this material before using this product.**

**Failure to do so can result in serious injury.**

**SAVE THIS MANUAL.**

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**For technical questions or replacement parts, please call 1-800-444-3353.**

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## SPECIFICATIONS

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Electrical Requirements	120 V~ / 60 Hz / 6 A
Drum Speed	16,000 RPM
Cutting Speed	32,000 CPM (2 knife drum)
Planing Capacity	0" – 5/64" (single pass)
Maximum Rabbet Depth	5/16"



### Save This Manual

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Write the product's serial number in the back of the manual near the assembly diagram, or write month and year of purchase if product has no number. Keep this manual and invoice in a safe and dry place for future reference.

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## GENERAL SAFETY RULES

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**READ AND UNDERSTAND ALL INSTRUCTIONS**  
**Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.**  
**SAVE THESE INSTRUCTIONS**

### WORK AREA

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control. Protect others in the work area from debris such as chips and sparks. Provide barriers or shields as needed.

### ELECTRICAL SAFETY

1. **Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adapter plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly**

- grounded.** If the tools should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.
2. **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.
  3. **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.
  4. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
  5. **Do not abuse the Power Cord. Never use the Power Cord to carry the tools or pull the Plug from an outlet. Keep the Power Cord away from heat, oil, sharp edges, or moving parts. Replace damaged Power Cords immediately.** Damaged Power Cords increase the risk of electric shock.
  6. **When operating a power tool outside, use an outdoor extension cord marked “W-A” or “W”.** These extension cords are rated for outdoor use, and reduce the risk of electric shock.

## PERSONAL SAFETY

1. **Stay alert. Watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
2. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
3. **Avoid accidental starting. Be sure the Power Switch is off before plugging in.** Carrying power tools with your finger on the Power Switch, or plugging in power tools with the Power Switch on, invites accidents.
4. **Remove adjusting keys or wrenches before turning the power tool on.** A wrench or a key that is left attached to a rotating part of the power tool may result in personal injury.
5. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the power tool in unexpected situations.

6. **Use safety equipment. Always wear eye protection.** Dust mask, nonskid safety shoes, hard hat, or hearing protection must be used for appropriate conditions. Always wear ANSI-approved safety goggles and a dust mask/respirator when using or performing maintenance on this tool.

## TOOL USE AND CARE

1. **Do not force the 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 force the tool and do not use the tool for a purpose for which it is not intended.
2. **Do not use the power tool if the Power Switch does not turn it on or off.** Any tool that cannot be controlled with the Power Switch is dangerous and must be replaced.
3. **Disconnect the Power Cord Plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally. **Always unplug the tool from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.**
4. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
5. **Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools with a sharp cutting edge are less likely to bind and are easier to control. Do not use a damaged tool. Tag damaged tools “Do not use” until repaired.
6. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool’s operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
7. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool may become hazardous when used on another tool.

## SERVICE

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

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## SPECIFIC SAFETY RULES

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1. **Wait for the cutter to stop before setting the tool down.** An exposed cutter may engage the surface leading to possible loss of control and serious injury.
2. **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.***
3. **Maintain labels and nameplates on the tool.** These carry important information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
4. **Maintain a safe working environment.** Make sure there is adequate surrounding workspace. Do not use this product in a damp or wet location.
5. **When using a handheld power tool, always maintain a firm grip on the tool with both hands to resist starting torque.**
6. **Avoid unintentional starting.** Make sure you are prepared to begin work before plugging in the tool. Set the Depth Adjustment Knob (24) to the P (park) position after using tool.
7. **Keep the extension cord away from moving parts on the tool.**
8. **Never leave the tool unattended when it is plugged into an electrical outlet.** Turn off the tool, and unplug it from its electrical outlet before leaving.
9. **Remove all foreign objects, such as nails or metal fragments, from the workpiece before planing.** Do not use to plane non-wood materials.
10. **CAUTION; knives are very sharp and are double-edged!** Wear heavy-duty leather work gloves at all times when working on or near a knife.
11. **Never try to clear dust chute with item plugged in or moving.** Do not try to use your finger to clear the chute.
12. **Confirm that dust chute is directed towards bag or dust collection system (not included) before use.** Do not use without a dust bag or dust collection system.
13. **Verify that knife retaining screws are securely pressed against the knife drum, holding the knife firmly in place before use.** Also, confirm that the knives are properly aligned.
14. **Start tool off of workpiece.** Allow tool to reach full speed. Observe for vibration or noise indicating unbalanced knives. If noted, remedy before use.
15. **Change both knives at once.** Changing knives individually could result in imbalance.
16. **People with pacemakers should consult their physician(s) before using this product.** Electromagnetic fields in close proximity to a heart pacemaker could cause

interference to or failure of the pacemaker. In addition, people with pacemakers should adhere to the following:

- Avoid operating power tools alone.
- Don't use a power tool with the power switch locked on.
- If powered via a power cord be certain that the tool is properly grounded. A ground fault interrupt (GFCI) system is also a good precaution. This inexpensive device is a good safety measure because it prevents a sustained electrical shock.
- Properly maintain and inspect all tools before use to avoid electrical shock.

17. **WARNING: Some dust created by power planing, 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 or other masonry products

Arsenic and chromium from chemically treated lumber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. (California Health & Safety Code § 25249.5, *et seq.*)

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## GROUNDING

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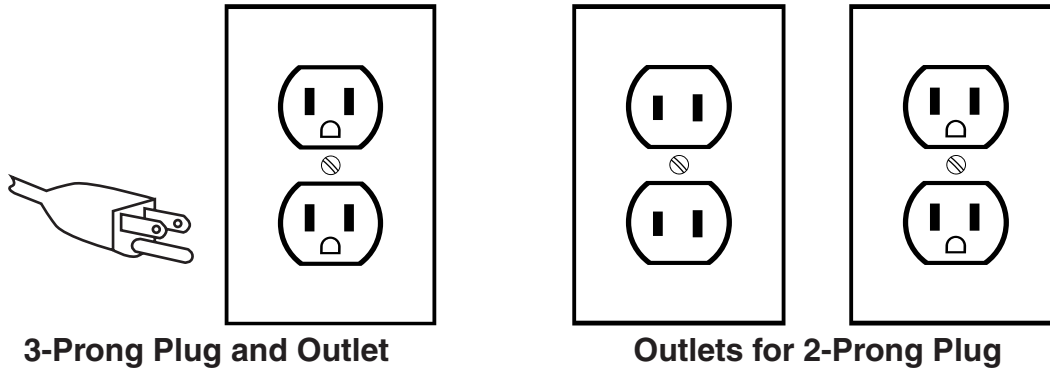
**Improperly connecting the grounding wire can result in the risk of electric shock. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the tool. Never remove the grounding prong from the plug. Do not use the tool if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.**

### GROUNDING TOOLS: TOOLS WITH THREE PRONG PLUGS

1. Tools marked with "Grounding Required" have a three wire cord and three prong grounding plug. The plug must be connected to a properly grounded outlet. If the tool should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user, reducing the risk of electric shock. **(See 3-Prong Plug and Outlet.)**
2. The grounding prong in the plug is connected through the green wire inside the cord to the grounding system in the tool. The green wire in the cord must be the

only wire connected to the tool's grounding system and must never be attached to an electrically "live" terminal. **(See 3-Prong Plug and Outlet.)**

3. Your tool must be plugged into an appropriate outlet, properly installed and grounded in accordance with all codes and ordinances. The plug and outlet should look like those in the following illustration. **(See 3-Prong Plug and Outlet.)**



### **DOUBLE INSULATED TOOLS: TOOLS WITH TWO PRONG PLUGS**

1. Tools marked "Double Insulated" do not require grounding. They have a special double insulation system which satisfies OSHA requirements and complies with the applicable standards of Underwriters Laboratories, Inc., the Canadian Standard Association, and the National Electrical Code. **(See Outlets for 2-Prong Plug.)**
2. Double insulated tools may be used in either of the 120 volt outlets shown in the preceding illustration. **(See Outlets for 2-Prong Plug.)**

### **EXTENSION CORDS**




1. **Grounded** tools require a three wire extension cord. **Double Insulated** tools can use either a two or three wire extension cord.
2. As the distance from the supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage. **(See Table A.)**
3. The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a 14 gauge cord can carry a higher current than a 16 gauge cord. **(See Table A.)**
4. When using more than one extension cord to make up the total length, make sure each cord contains at least the minimum wire size required. **(See Table A.)**
5. If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum cord size. **(See Table A.)**

6. If you are using an extension cord outdoors, make sure it is marked with the suffix “W-A” (“W” in Canada) to indicate it is acceptable for outdoor use.
7. Make sure your extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it.
8. Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.

<b>RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS*</b> (120 OR 240 VOLT)					
<b>NAMEPLATE AMPERES (at full load)</b>	<b>EXTENSION CORD LENGTH</b>				
	<b>25 Feet</b>	<b>50 Feet</b>	<b>75 Feet</b>	<b>100 Feet</b>	<b>150 Feet</b>
0 – 2.0	18	18	18	18	16
2.1 – 3.4	18	18	18	16	14
3.5 – 5.0	18	18	16	14	12
5.1 – 7.0	18	16	14	12	12
7.1 – 12.0	18	14	12	10	-
12.1 – 16.0	14	12	10	-	-
16.1 – 20.0	12	10	-	-	-

**TABLE A** \* Based on limiting the line voltage drop to five volts at 150% of the rated amperes.

### SYMBOLOLOGY

	Double Insulated
	Canadian Standards Association
	Underwriters Laboratories, Inc.
V~	Volts Alternating Current
A	Amperes
n <sub>0</sub> xxxx/min.	No Load Revolutions per Minute (RPM)



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## UNPACKING

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When unpacking, check to make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

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## SET UP

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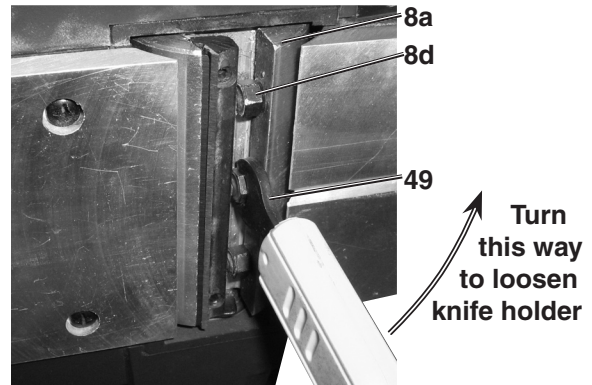
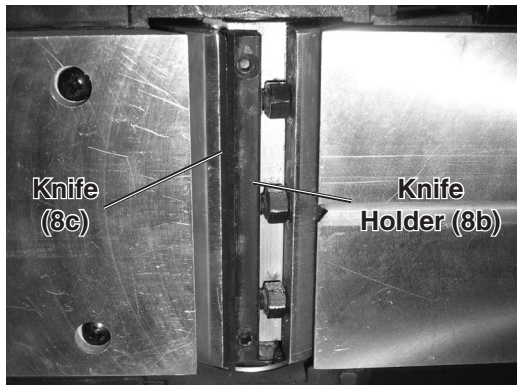
### Knife Installation and Adjustment

**WARNING!** Before working on the knives:

- Wear ANSI-approved safety goggles and heavy-duty leather work gloves.
- Unplug planer and allow knives to cool completely if used recently.

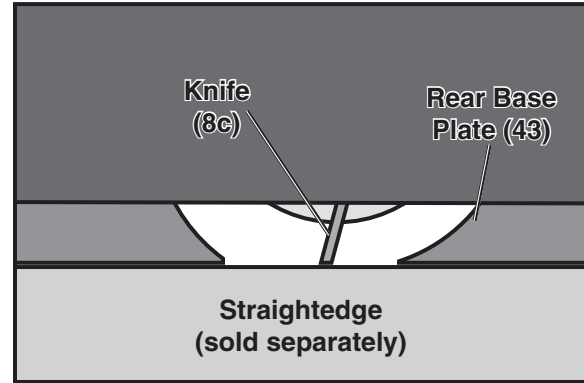
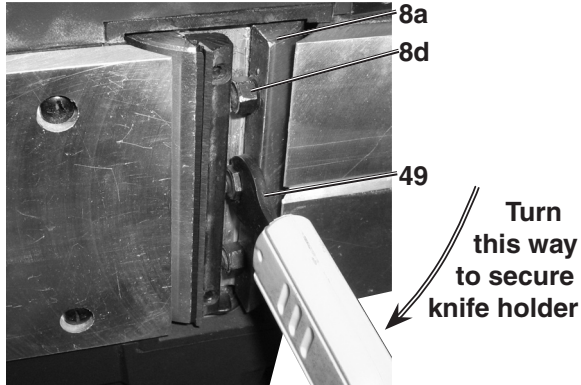
**Note:** This planer can only use the standard straight knives. Never try to install any other knives on this planer.

1. Wearing heavy-duty leather work gloves, rotate Knife Drum (8a) until Knife (8c) and Holder (8b) are accessible through the gap between the Base Plates (36, 43) - see illustration below left.



2. Using provided Wrench (49) turn the Knife Holder Bolts (8d) in the direction shown in the picture to the above right to loosen the Knife Holder (8b) from the Drum. The Bolts thread into the Knife Holder, thus releasing pressure on the drum and allowing the knife holder to be removed.
3. After all Bolts have been threaded into the Knife Holder completely, remove the Knife Holder. Be careful to not move either of the two set screws on the Knife Holder, they keep the knife in alignment.
4. Clean the exposed slot in the Drum.
5. Slide the old Knife (8c) carefully out of the Knife holder.  
**CAUTION!** The Knife has two sharp edges. Heavy-duty leather work gloves are required when handling the Knife.

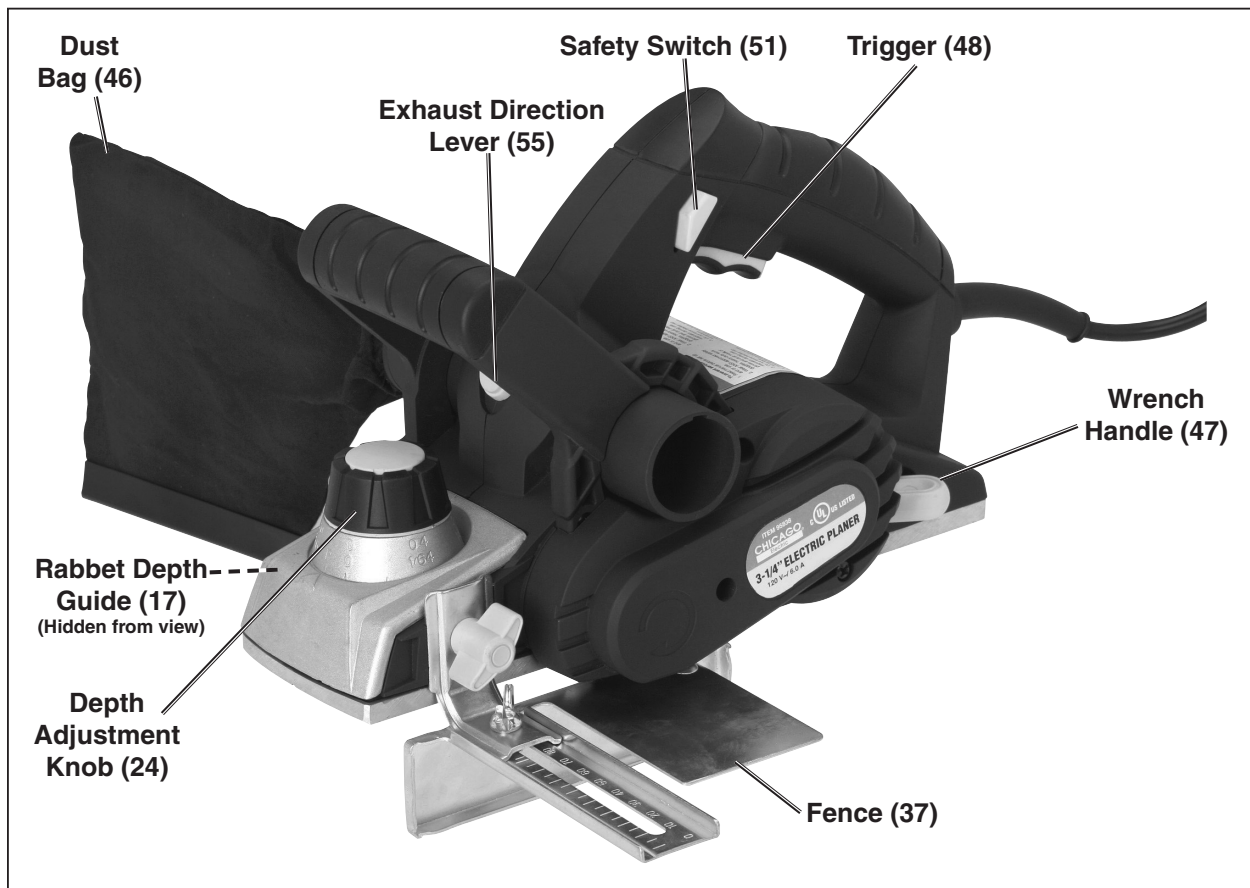
6. Clean the Knife Holder. Carefully examine the Knife Holder for loose parts or signs of damage. Replace if damaged.
7. Install new Knife (8c). If the old knife is in good condition, the Knife can be flipped and the second edge can be used instead. The groove in the knife should face away from the Knife Holder Bolts (8d).
8. Insert Knife Holder all the way into the slot in the Drum. Make sure that it is installed in the same orientation as earlier and the same orientation as the other knife.



9. Turn the three Knife Holder Bolts in the direction shown in the picture to the upper-left to secure the knife holder in place. Only snug the Bolts for now.
10. Set the Depth Adjustment Knob (24) to 0 (shown on illustration on next page). Have an assistant hold a straightedge (sold separately) against the bottom of the Rear Base Plate (43). Adjust one Knife Adjustment Set Screw (8e) until the knife just touches the straightedge on that side - see illustration to the upper right. Adjust the other Knife Adjustment Set Screw until the Knife just touches the straightedge on that side also.
11. Turn the three Knife Holder Bolts firmly in the direction shown to the upper left to secure the knife holder in place.
12. Rotate the Drum 180° and change and adjust the other knife at the same time according to the steps above.
13. **IMPORTANT!** Carefully double check that the Knives and Knife Holders are secure and that the Knives are level before use.

**Note:** If a knife is adjusted to cut farther than the Rear Base Plate (43) then it may create burned spots on the wood. If a knife is adjusted to not cut deeply enough, then the planer will not be able to travel smoothly across the wood.

## Features and Controls



- 1. Trigger and Safety Switch:**  
As a safety feature, the Safety Switch (51) must be pushed to one side to allow the Trigger (48) to operate.
- 2. Wrench Handle storage:**  
The Left Housing (3) has a slot to allow storage of the Wrench Handle (47) and Wrench (49).
- 3. Fence:**  
The Fence (37) can be adjusted to control the width of the cut from the edge of the workpiece. The Fence can only be installed on the Left Housing. It is held in place by the Locking Knob (18).  
To adjust: Loosen the Wing Nut (38), slide the Fence (37) to the desired setting. Retighten the Wing Nut after adjustment.  
**Note:** The Bolt (40) needs to be inserted through the Fence from the top down with the Washer (39) underneath the fence, otherwise the flats on the Bolt will not properly engage the Fence Bracket (41).  
The markings on the Fence are intended as general guidelines only. For accurate measurements, verify the position of the Fence using a measuring tool after tightening.

4. **Dust Bag and Exhaust Direction Lever:**  
The Exhaust Direction Lever (55) controls the dust port that the dust blows out of. Turn it to the right to direct the exhaust right, and left to direct the exhaust left. Do not position the Lever between settings, the dust will come out of both ports. Connect either the Dust Bag (46) or a different dust collection system (not included) to the dust port that the exhaust is being directed to.
5. **Rabbet Depth Guide:**  
This is used to set the final cut depth when cutting a rabbet. Set the depth gauge to the desired depth, and then use the Fence to determine the desired width. You may wish to double-check the gauge's accuracy with a ruler (sold separately). The Rabbet Depth Guide (17) should only be attached to the Right Housing (16). The Rabbet Depth Guide rests on the unplaned surface of the wood and helps to maintain an even, consistent depth.
6. **Depth Adjustment Knob and Depth Knob Scale:**  
The Depth Adjustment Knob (24) is used to control the amount of material that is removed in one pass. Turn the Knob so that the triangle on the Front Cover (29) lines up with the desired setting on the Depth Knob Scale (25). The scale has metric measurements on top (from 0 - 2 mm) and SAE measurements on the bottom (from 0 - 5/64"). The knob should be turned back past the 0 marking to the P (park) after the planer is used. This will push the knife slightly away from the surface the planer is resting on and will help prevent the planer from lurching forward if it is accidentally turned on.

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## OPERATION

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### Thickness Planing

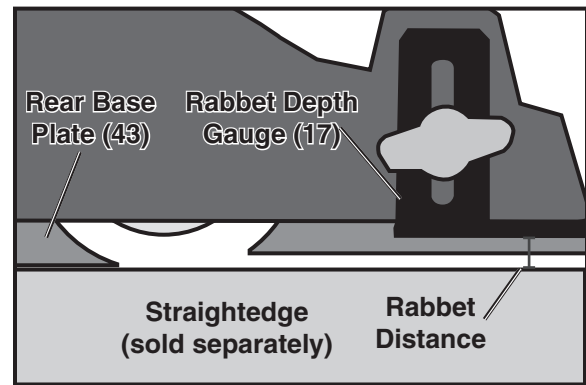
**WARNING!** Always wear ANSI-approved safety goggles and a NIOSH-approved dust mask or respirator along with heavy-duty work gloves when operating this tool. Make sure the Trigger (48) is released and the Planer is unplugged before making any adjustments to Planer or planer attachments.

1. Support the workpiece using bench mounted clamps or a vise, or another safe, practical way.
2. Adjust the planer's Depth Adjustment Knob (24) and Fence (37) to the desired settings.
3. While keeping fingers well away from both Trigger (48) and knife opening, connect power cord to grounded 120 V~ outlet.
4. While standing to the *side* of workpiece, hold Planer *firmly* with one hand on rear handle, molded in the Housing (3, 16), and with other hand on Front Handle (26).

5. Set the Adjustable Base Plate (36) of the Planer on the front edge of the wood stock. Then, depress the Safety Switch (51) and squeeze the Trigger (48) to start the Planer. **IMPORTANT:** Do not start to move planer across workpiece until Knives are spinning at full speed.
6. While placing pressure on the Adjustable Base Plate (36) to control the depth of cut, and , if used, pressing the Fence (37) against the workpiece to control the width of cut, feed the Planer slowly until the Rear Base Plate (43) contacts the wood stock. Then, transfer pressure to the Rear Base Plate, and continue planing slowly to the end of the cut. *Do not pull the Planer backwards over the surface already cut.*
7. If necessary, repeat Step #6, using progressively deeper cuts until you near the desired depth.
8. Adjust the Depth Adjustment Knob (24) to make a light cut for the final pass to help the workpiece to have a cleaner finish.
9. **NOTE:** The Planer's Motor may stall if the tool is improperly used (pressed forward too quickly at too deep a planing depth). If the Motor begins to stall, reduce the speed at which you are making the cut and/or reduce the depth of the cut.
10. When finished planing, carefully lift the planer from the workpiece and release the Trigger (48). Wait until Planer knife comes to a complete stop. Then unplug the Planer and turn the Depth Adjustment Knob (24) to the P (park) setting. Store in a safe, clean, dry location.

### Rabbeting

1. Rabbeting is creating a step on the edge of a workpiece. Rabbeting is typically used in door and window jambs. When rabbeting, the Rabbet Depth Gauge (17) will contact the unplanned portion of the workpiece and help you avoid planing deeper than needed.
2. The Rabbet Depth Gauge needs to be carefully set to the depth of the rabbet you wish to cut.
3. Using a straightedge (sold separately) adjust the Rabbet Depth Gauge to the desired level from the level of the Rear Base Plate (43) - see diagram above and to the right. Maximum rabbet distance is  $\frac{5}{16}$ "
4. Set the Fence (37) to determine the width of the rabbet you will cut.
5. Follow the instructions under thickness planing, with the Rabbet Depth Gauge positioned over the unplanned portion of the board. Plane the board using multiple



passes, if needed. The Rabbet Gauge presses against the unplanned portion of the board and helps the planer cut only to the specified depth.

### Chamfering Edges

**Note:** This technique takes requires experience to accomplish properly. Practice on a piece of scrap wood before attempting to chamfer a workpiece.

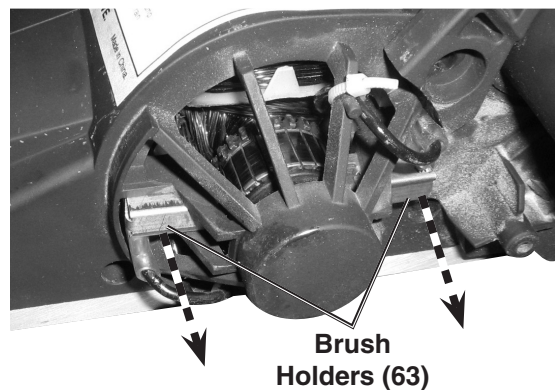
1. This planer has a groove in the Adjustable Base Plate (36) for cutting a 45° angle along a corner, called a chamfer.
2. Place the groove on the corner edge that you wish to cut a chamfer. The planer should be held at 45° and the corner should be seated securely into the groove.
3. Follow the instructions under thickness planing. Keep the corner securely seated in the groove from the beginning all the way through the cut.

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## INSPECTION, MAINTENANCE, AND CLEANING

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1. **⚠️WARNING!** Make sure the Power Switch of the tool is in its “OFF” position and that the tool is unplugged from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.
2. **BEFORE EACH USE**, inspect the general condition of the tool. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation. If abnormal noise or vibration occurs, have the problem corrected before further use. **Do not use damaged equipment.**
3. **Carbon Brush inspection/replacement:**
  - a. Unplug the planer.
  - b. Remove the two Screws (21, 22) holding on the Right Side Cover (19). Remove the Cover.
  - c. Pull the Brush Holders (63) straight away from the motor as shown in the illustration below and to the right. Mark each Holder to indicate which side of the motor it came from (if the Brushes are to be reused, they will perform better and longer if they are placed back in the same orientation).
  - d. Examine both Brushes. If glazed, they can be cleaned with a pencil eraser and replaced. If they are cracked, chipped, or otherwise damaged; or if they are too short, they should be replaced.



- e. Replace the brushes in the same orientation as before. The small tab on the side of each holder should point toward the motor and the brush should rub against the rotor.
- f. Keep in mind that new brushes may spark or cause the motor to operate noisily initially. This is normal and does not indicate a problem.

<b>MAINTENANCE CHART</b>						
<b>Maintenance Type</b>	<b>Before Use</b>	<b>After Use</b>	<b>Weekly</b>	<b>Monthly</b>	<b>Every 6 Months</b>	<b>Yearly</b>
Inspect tool for damage (see #2, above)	<b>X</b>					
Wipe off with clean, moist cloth		<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Knife maintenance (see page 9)				<b>X</b>	<b>X</b>	<b>X</b>
Brush inspection/replacement (see #2, above)					<b>X</b>	<b>X</b>
Belt inspection/replacement (technician only)						<b>X</b>

## **TROUBLESHOOTING**

<b>Problem</b>	<b>Possible Causes</b>	<b>Probable Solutions</b>
Tool will not start	1. No power at outlet. 2. Cord not connected.	1. Check power at outlet. 2. Check that cord is plugged in.
Motor runs but knife does not spin	Broken Belt (5).	A qualified technician should replace.
Planer loses power or stops during operation.	Carbon Brushes dirty or need replacement.	Clean or replace brushes - see Inspection, Maintenance, and Cleaning number 3.
Workpiece has rough or uneven finish.	1. Planer depth too great. 2. Uneven, dull, or damaged knife(s).	1. Shallower planing depths create smoother finishes. 2. Inspect/replace knives - see page 9.

### **PLEASE READ THE FOLLOWING CAREFULLY**

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

## PARTS LIST

Part	Description	Q'ty	Part	Description	Q'ty
1	Label	1	30	Washer M4	1
2	Left Side Belt Cover	1	31	Screw M4 x 16	2
3	Left Housing	1	32	Plastic Nut	1
4	Nut M6	1	33	Screw M4 x 30	2
5	Ribbed Belt	1	34	Adjustment Bracket	1
6	Knife Pulley	1	35	Spring	1
7	Ball Bearing 6200	1	36	Adjustable Base Plate	1
8	Knife Assembly	1	37	Fence	1
8a	Knife Drum	1	38	Wing Nut	1
8b	Knife Holder	2	39	Washer M6	1
8c	Knife	2	40	Bolt M6 x 12	1
8d	Knife Holding Bolts	6	41	Fence Bracket	1
8e	Knife Adjustment Set Screw	4	42	Plastic Insert	2
9	Ball Bearing 628	1	43	Rear Base Plate	1
10	Motor Pulley	1	44	Dust Bag Support	1
11	Ball Bearing 608	2	45	Dust Bag Strap	1
12	Air Baffle	1	46	Dust Bag	1
13	Rotor	1	47	Wrench Handle	1
14	Screw ST 4 x 55	2	48	Trigger	1
15	Stator	1	49	Wrench	1
16	Right Housing	1	51	Safety Switch	1
17	Rabbit Depth Guide	1	52	Spring Ø5.5 x 26	1
18	Locking Knob	2	53	Exhaust Deflector	1
19	Right Side Cover	1	54	Spring Holder	1
20	Label	1	55	Exhaust Direction Lever	1
21	Screw ST 4 x 16	17	56	Steel Ball Ø4	1
22	Screw ST 4 x 20	2	57	Spring Ø4 x 20	1
23	Screw ST 4 x 10	6	58	Cord Protector	1
24	Depth Adjustment Knob	1	59	Power Cord	1
25	Depth Knob Scale	1	60	Nylon Tie	1
26	Front Handle	1	61	Cord Retainer	1
27	Spring Ø5 x 20mm	1	62	Carbon Brush	2
28	Steel Ball Ø5	1	63	Brush Holder	2
29	Front Cover	1	64	Brush Pressing Pad	2

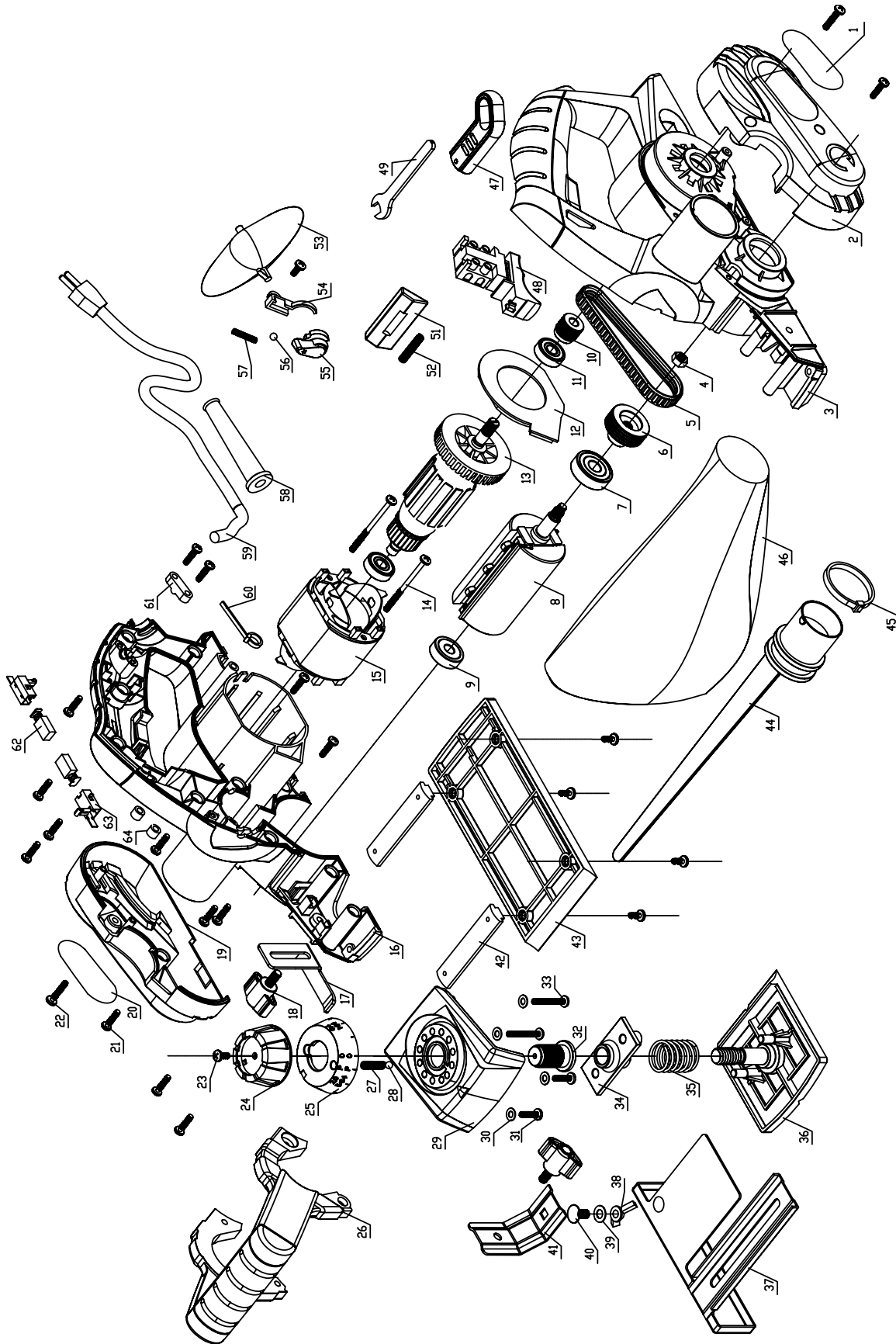
**Record Product's Serial Number Here:** \_\_\_\_\_

**Note:** If product has no serial number, record month and year of purchase instead.

**Note:** Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.



# ASSEMBLY DIAGRAM

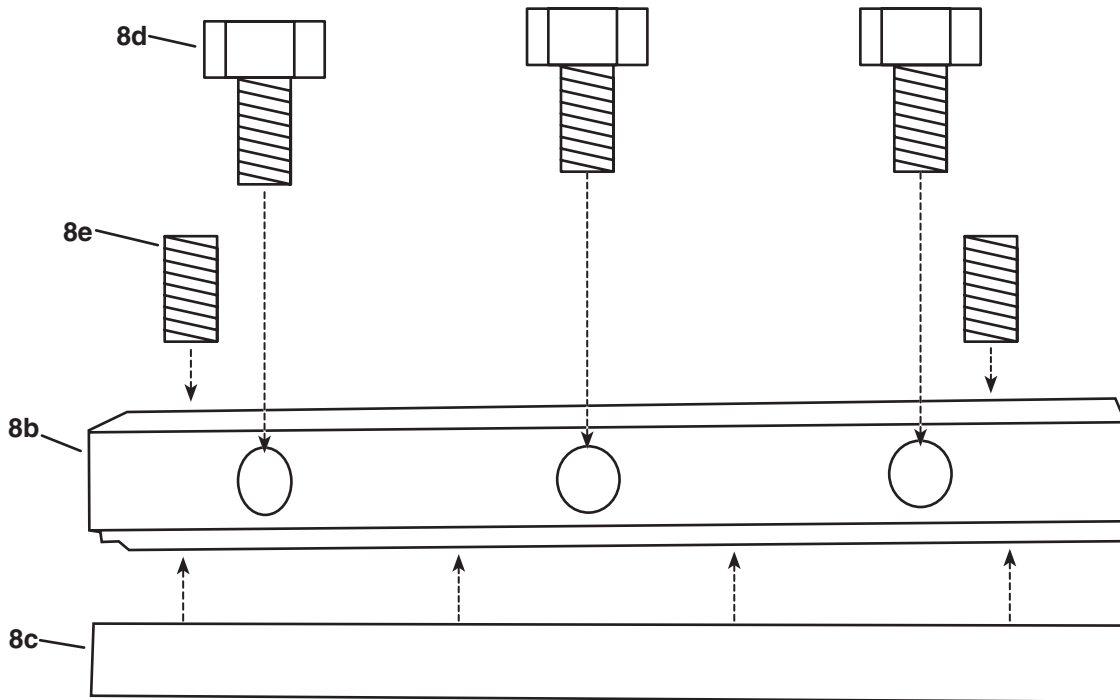


**Note:** See next page for Knife Assembly (8) components.

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## KNIFE ASSEMBLY DIAGRAM

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**Note:** Knife Drum (8a) not shown. One of two assemblies shown.

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## LIMITED 90 DAY WARRANTY

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Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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