

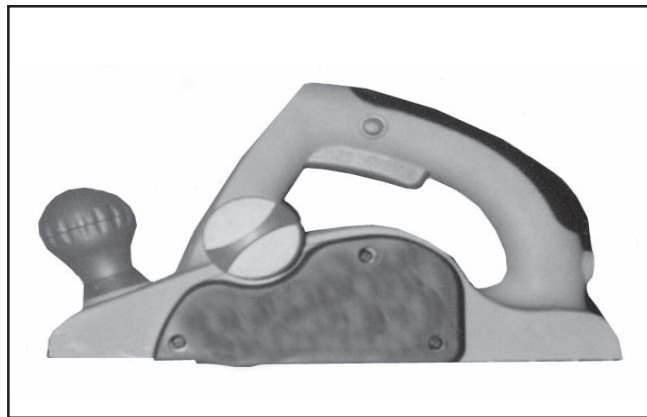
# CHICAGO

## Electric Power Tools

### 3-1/4" ELECTRIC PLANER

Model 91062

#### OPERATING INSTRUCTIONS



3491 Mission Oaks Blvd., Camarillo, CA 93011  
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For technical questions, please call 1-800-444-3353.

## PRODUCT SPECIFICATIONS

Item	Description
Electrical Requirements	120V / 60 Hz / 5.5 AMPs 16,500 RPM (No Load) or 33,000 Cuts Per Minute Polarized, 2-Pole Power Cord Plug Single Pole Power Switch w/Safety Lock Button
Maximum Planing Width	3-1/4"
Maximum Planing Depth	Up To 1/16" Per Pass (Adjustable)
Dust Chute Dimensions	1-1/2" I.D. x 1-11/16" O.D.
Blade Dimensions	7/32" W x 3-3/16" L x 3/64" H
Number of Blades	2 (Composition: 65 Manganese Alloy Steel)
Shoe Plate Dimensions	3-1/4" W x 6-1/2" L
Guide Dimensions	3-1/4" W x 2-7/8" L
Weight	9.20 Pounds

## 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. Keep this manual and invoice in a safe and dry place for future reference.

## 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 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

4. **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.
5. **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.
6. **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.
7. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
8. **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.
9. **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

10. **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.
11. **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.
12. **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.
13. **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.
14. **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.

## TOOL USE AND CARE

15. **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.
16. **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.
17. **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.
18. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
19. **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.

20. **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.
21. **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

22. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
23. **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.

### GROUNDING

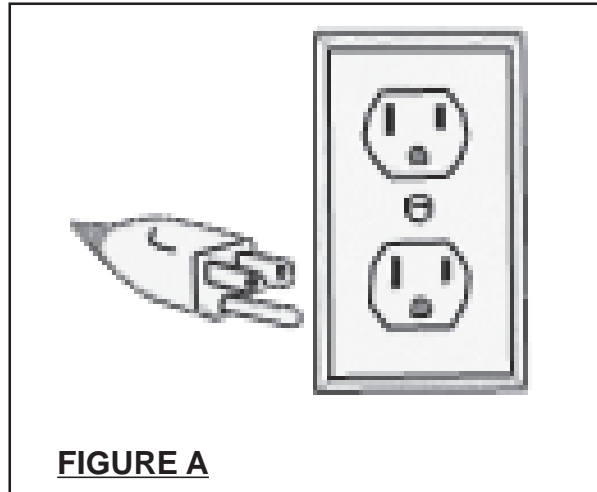
#### **WARNING!**

**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.**

### GROUNDED TOOLS: TOOLS WITH THREE PRONG PLUGS

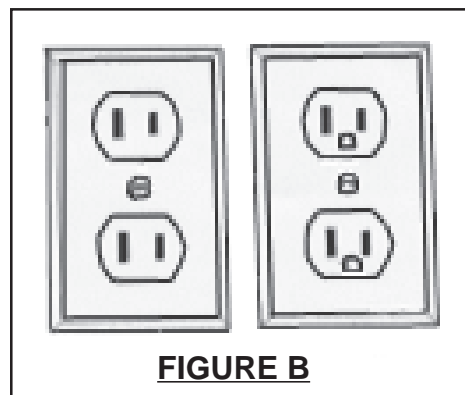
1. Tools marked with “Grounding Required” have a three wire cord and three prong grounding plug. The plug must be connected to a properly grounded outlet. If the tool should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user, reducing the risk of electric shock. **(See Figure A, next page.)**
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 Figure A.)**

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 Figure A.)**



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

4. 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 Figure B.)**
5. Double insulated tools may be used in either of the 120 volt outlets shown in the following illustration. **(See Figure B.)**



## 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 Figure C, next page.)**
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 Figure C.)**
4. If 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 Figure C.)**
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 Figure C.)**
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> <b>(120 VOLT)</b>					
<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>
<b>0 – 2.0</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>16</b>
<b>2.1 – 3.4</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>16</b>	<b>14</b>
<b>3.5 – 5.0</b>	<b>18</b>	<b>18</b>	<b>16</b>	<b>14</b>	<b>12</b>
<b>5.1 – 7.0</b>	<b>18</b>	<b>16</b>	<b>14</b>	<b>12</b>	<b>12</b>
<b>7.1 – 12.0</b>	<b>18</b>	<b>14</b>	<b>12</b>	<b>10</b>	<b>-</b>
<b>12.1 – 16.0</b>	<b>14</b>	<b>12</b>	<b>10</b>	<b>-</b>	<b>-</b>
<b>16.1 – 20.0</b>	<b>12</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>

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

**FIGURE C**

## SYMBOLOLOGY

	Double Insulated
	Canadian Standards Association
	Underwriters Laboratories, Inc.
	Volts Alternating Current
	Amperes
	No Load Revolutions per Minute (RPM)

**FIGURE D**


## SPECIFIC SAFETY RULES


1. **Maintain a safe working environment.** Keep the work area well lit. Make sure there is adequate surrounding workspace. Always keep the work area free of obstructions, grease, oil, trash, and other debris. Do not use the Planer in areas near flammable chemicals, dusts, and vapors.
2. **Maintain labels and nameplates on the Planer.** These carry important information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
3. **Ground this product.** To comply with the National Electric Code, and to provide additional protection from the risk of electrical shock, this product should only be connected to a **120 volt electrical outlet** that is protected by a Ground Fault Circuit Interrupter (GFCI).
4. **Never plug the Power Cord of this product into an electrical outlet while standing on a wet or damp surface.**
5. **To avoid electrical shock, do not pull or carry the Planer by its Power Cord or pull the Power Cord around sharp corners or edges.**
6. **Do not unplug the Planer by pulling on the Power Cord. Keep the Power Cord away from heated surfaces.**
7. **Avoid unintentional starting.** Make sure you are prepared to begin work before turning on the Planer.




8. **Use eye and breathing protection.** Always wear ANSI approved safety impact eye goggles and dust masks or a respirator when working with this product.
9. **Always turn off the Planer and unplug the unit from its electrical outlet before performing any maintenance, or changing accessories.**
10. **Never leave the Planer unattended when it is plugged into an electrical outlet.** Make sure to unplug it from its electrical outlet before leaving the area.
11. **Do not allow children to handle or play with this product.**
12. **Store idle equipment.** When not in use, tools and equipment should be stored in a dry location to inhibit rust. Always lock up tools and equipment, and keep out of reach of children.
13. **Do not use this product if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgement or reflexes are impaired while taking drugs. If there is any doubt, do not attempt to use this product.
14. **Industrial applications must follow OSHA requirements.**
15. **Maintain this product with care.** Keep this product clean and dry for better and safer performance. Also, make sure to keep the Blades sharp.
16. **Maintenance:** For your safety, service and maintenance should be performed regularly by a qualified technician.
17. **Check for damaged parts.** Before using this product, carefully check that it will operate properly and perform its intended function. Check for damaged parts and any other conditions that may affect the operation of this product. Replace or repair damaged or worn parts immediately.
18. **Do not use the Planer if it has been dropped, damaged, left outdoors, or immersed in liquid.**
19. **To avoid electrical shock, do not handle the Power Cord Plug or Planer with wet hands.**
20. **Keep all guards in place and in working order.**
21. **Remove all adjusting wrenches from the Planer before turning it on.**
22. **Allow the Blades to spin up to full speed before feeding them into the workpiece.** When turning off the Planer, allow the Blades to spin down and stop

on their own. Do not press against the Knives to stop them. Always keep hands and fingers clear of spinning Blades.

23. **Do not force the Blades into the workpiece being cut.** Apply moderate pressure, allowing the Blades to cut without being forced.
24. **Never attempt to remove material stuck in the moving parts of the Planer while it is plugged in and running.**
25. **Whenever possible, use clamps, a vise, or other safe, practical ways to hold and support the workpiece.**
26. **Always grip a power tool firmly with both hands when using.**
27. **Always disconnect the tool from its electric outlet before performing any services or maintenance** such as leaving the work area, moving the tool from one location to another, cleaning wood chips and sawdust from the unit, etc.
28. **Replacement parts and accessories:** When servicing, use only identical replacement parts. Only use accessories intended for use with this product.
29. **Use the right tool or attachment for the right job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool or attachment. There are certain applications for which this product was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this product, and do not use this product for a purpose for which it was not intended.
30.  **WARNING!** People with pacemakers should consult their physician(s) before using this product. Operation of electrical equipment in close proximity to a heart pacemaker could cause interference or failure of the pacemaker.

 **WARNING!** Some dust created by power sanding, planing, sawing, grinding, drilling, and other construction activities contain 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, and arsenic and chromium from chemically treated lumber. Your risks 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 and respirators that are specially designed to filter out microscopic particles.  
(California Health & Safety Code 25249.5, et seq.)

31.  **WARNING!** The warnings, precautions, and instructions discussed in this

manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

## UNPACKING

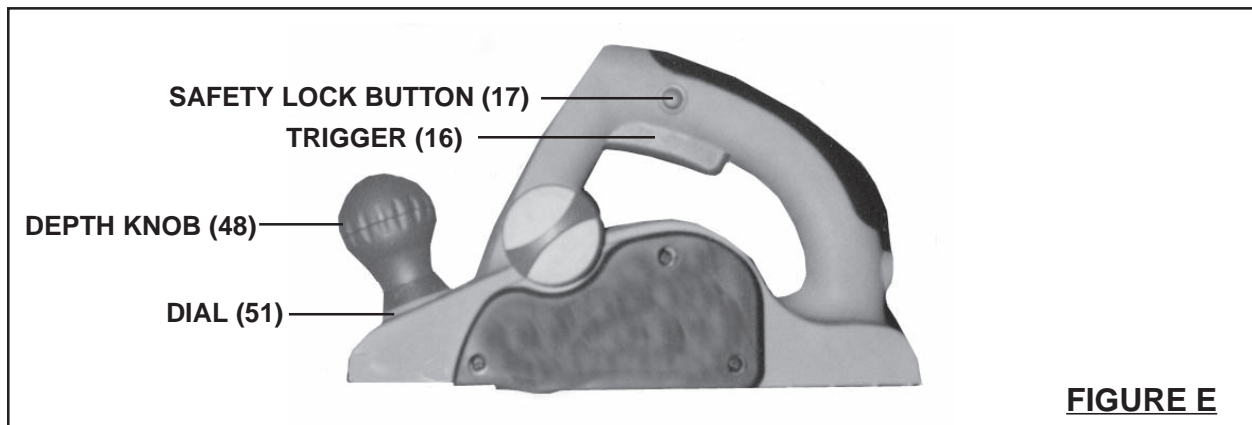
When unpacking, check to make sure all the parts shown on the **Parts List on page 16** are included. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

## OPERATING INSTRUCTIONS

**NOTE:** For additional information regarding the parts mentioned in the following pages, refer to the **Assembly Diagram on page 17.**

### **The Power Switch:**

1. The Trigger (16) of the Planer features a Safety Lock Button (17) to ensure against accidental starting of the tool. To start the tool, depress the Safety Lock Button. Squeeze the Trigger, and release pressure on the Safety Lock Button. To stop the tool, release pressure on the Trigger. **(See Figure E.)**



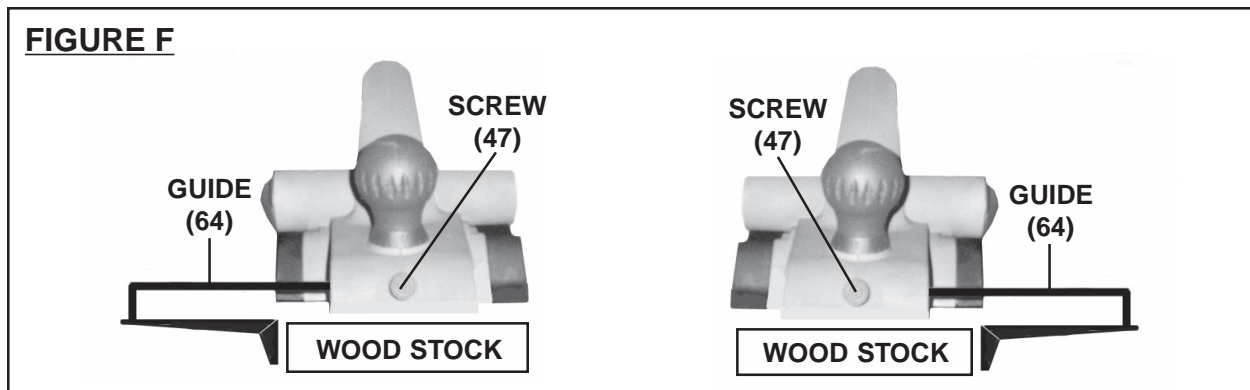
**FIGURE E**

### **The Depth Knob:**

1. The Planer may be adjusted to cut to a depth of **up to 1/16"** per pass along the wood stock. To **increase** the depth of cut, turn the Depth Knob (48) *clockwise*. To **decrease** the depth of cut, turn the Depth Knob *counterclockwise*. Always return the Depth Knob to read **0** on the Dial (51) when finished cutting. **NOTE:** Use a deeper cut, but never to exceed 1/16", for a rough cut piece of wood stock. Once planed smooth, it is recommended to take a number of smaller cuts to acquire the desired depth. **(See Figure E.)**

### **The Guide:**

1. The Guide (64) can be used to adjust the width of cut, support the Planer, and keep the Planer from drifting away from the cut line (i.e., the edge of a door). The Guide may be attached either to the right side of the Planer or on its left side. To do so, position the Planer on the wood stock that is to be cut. Loosen the Screw (47) located at the front of the Planer. Insert the Guide into the mounting hole located on either side toward the front of the Planer. Slide the Guide in until it contacts the edge of the wood stock. Then, lock the Guide in place by retightening the Screw. **(See Figure F.)**

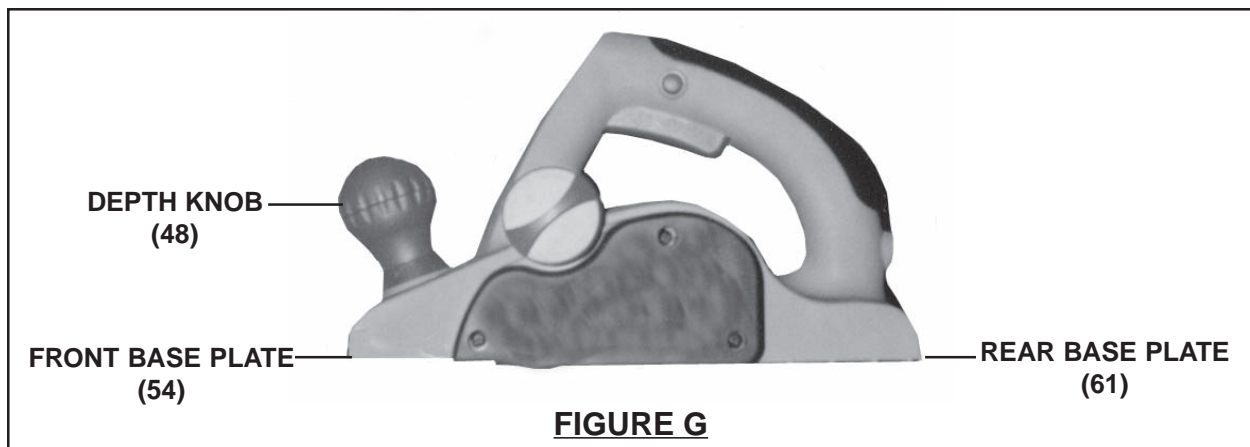


### **To Make A Cut:**

1. **CAUTION!** Make sure the Trigger (16) is in its “OFF” position, and that the Planer is unplugged from its 120 volt, grounded, electrical outlet. **Then**, make any necessary adjustments to the cutting depth and cutting width of the Planer. **(See Figures E, and F.)**
2. Whenever possible, use clamps, a vise, or other safe, practical ways to hold and support the wood stock.
3. While standing to the *side* of the wood stock, hold the Planer *firmly* with one hand on the handle portion of the Housing (15, 45), and the other hand on the Depth Knob (48).
4. Set the Front Base Plate (54) of the Planer on the front edge of the wood stock. Then, depress the Safety Lock Button (17) and squeeze the Trigger (16) to start the Planer. **IMPORTANT:** Do not allow the Blades (57) of the Planer to contact the wood stock until the Blades are spinning at full speed. **(See Figure G, next page.)**
5. While placing pressure on the Front Base Plate (54) to control the depth of cut, and while placing pressure on the Guide (64) against the wood stock to control the width of cut, feed the Planer slowly until the Rear Base Plate (61) 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 back over the surface already cut.* (See Figure G.)

6. If necessary, repeat Step #5, using progressively deeper cuts until you near the desired depth. Then, readjust the Depth Knob (48) to make a light cut for the final pass. (See Figure G.)



7. **NOTE:** The Planer's Motor may stall if the tool is improperly used. If the Motor begins to stall, reduce the feed speed at which you are making the cut and/or reduce the depth of the cut.
8. When finished planing, release pressure on the Trigger (16) and the Planer will automatically stop. Wait until Planer blade comes to a complete stop. Then unplug the Planer from its electrical outlet, and store the Planer in a safe, clean, dry location.

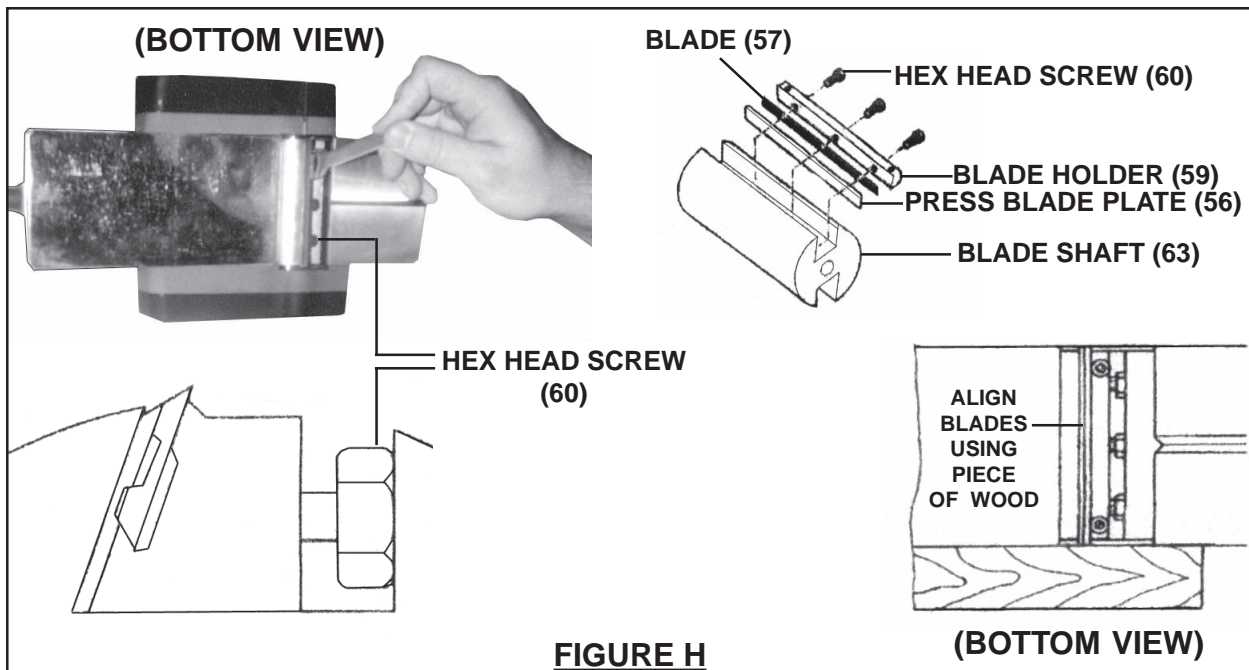
## INSPECTION, MAINTENANCE, AND CLEANING

1.  **WARNING!** Always unplug the Planer from its electrical outlet before performing any inspection, maintenance, cleaning, or changing accessories.
2. **Before each use**, inspect the general condition of the Planer. Check for misalignment or binding of moving parts, cracked or broken parts, damaged 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. **To replace the Motor Carbon Brushes:** It may become necessary at some time to replace or clean the *two* Carbon Brushes (36) when the Motor performance decreases, or stops working completely. The Carbon Brushes are located on the side of the Right Motor Housing (45). To do so, use a standard screw-

driver (not included) to remove the two Carbon Brush Caps (35). Then, remove the two Carbon Brushes from the Brush Holders (38). If a Carbon Brush is worn down more than 1/2 of its original length, replace *both* Carbon Brushes. If, however, the Carbon Brushes are just dirty they may be cleaned by rubbing them with a pencil eraser. When installing the Carbon Brushes, make sure the carbon portion of the Carbon Brushes contact the Motor Armature, and that the springs face away from the Motor. Also, make sure the springs operate freely. After cleaning or replacement, replace the Carbon Brush Caps with a screwdriver and tighten firmly. **(See Assy. Diagram.)**

**Caution:** Use caution as blades are very sharp.

4. **To reverse or replace the Blades:** The Planer is equipped with two *reversible* Blades (57). Do not attempt to sharpen the Blades. Always reverse or replace the Blades as a *set* in order to avoid an imbalance of the Blade Holder (59). To reverse or replace the Blades, use an open end wrench to loosen the three Hex Head Screws (60) that secure the Blades, Press Blade Plate (56), and Blade Holder to the Blade Shaft (63). Slide the Blades lengthwise out of the Blade Shaft, using a piece of wood to avoid cuts to your fingers. Once the Blades have been removed, clean the Blades, Press Blade Plate, Blade Holder, and the Blade Shaft thoroughly before installing the reversed or new Blades to allow for a more accurate Blade setting. When installing the reversed or new Blades, it is important that they be properly adjusted so that they align evenly with the Front Base Plate (54) and Rear Base Plate (61). Slide the Blades lengthwise into the Blade Shaft, using a piece of wood. Place a straight edge or piece of wood along the side surfaces of the Front Base Plate and Rear Base Plate. Then, slide the Blades against the straight edge or piece of wood. Finally, use an open end wrench to retighten the three Hex Head Screws that secure the Blades, Press Blade Plate, and Blade Holder to the Blade Shaft. **(See Figure H.)**



5. **To clean the outer body of the Planer**, use a shop vacuum or compressed air. Do not immerse any part of this Planer in liquid.

<b>PLEASE READ THE FOLLOWING CAREFULLY</b>
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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.

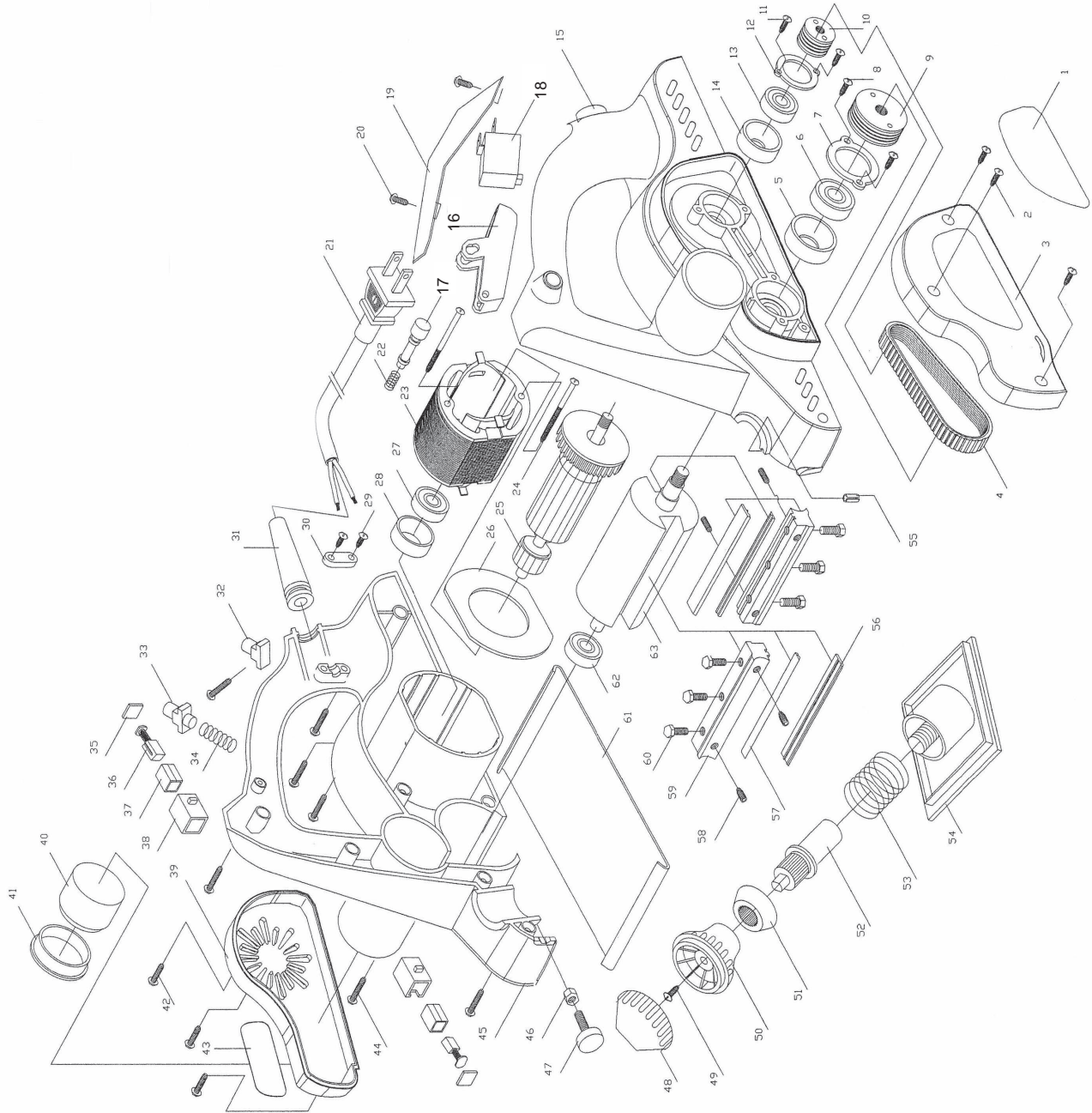


## PARTS LIST

Part #	Description	Qty.	Part #	Description	Qty.
1	Name Plate	1	33	Screw Arbor	1
2	Tap Screw (8SEABB04-18)	3	34	Spring	1
3	Cover	1	35	Carbon Brush Cap	2
4	Belt	1	36	Carbon Brush	2
5	Bearing Sleeve	1	37	Carbon Brush Sleeve	2
6	Bearing (8SG6000Z-01)	1	38	Carbon Brush Holder	2
7	Press Board	1	39	Rear Cover	1
8	Tap Screw (8SEABB04-8)	2	40	Stopper	1
9	Large Belt Wheel	1	41	Cover	1
10	Small Belt Wheel	1	42	Tap Screw (8SEABB04-18)	3
11	Tap Screw (8SGABB04-8)	2	43	Label	1
12	Press Board	1	44	Tap Screw (8SEABB04-18)	9
13	Bearing (8SG608Z-01)	1	45	Right Motor Housing	1
14	Bearing Sleeve	1	46	Nut (M5)	4
15	Left Motor Housing	1	47	Screw	1
16	Trigger	1	48	Depth Knob	1
17	Safety Lock Button	1	49	Tap Screw (8SEABB04-14)	1
18	Power Switch	1	50	Plug Cock	1
19	Handle Cover	1	51	Dial	1
20	Tap Screw (8SEABB04-18)	2	52	Adjustable Nut	1
21	Power Cord	1	53	Adjustable Spring	1
22	Spring	1	54	Front Base Plate	1
23	Stator	1	55	Cylinder Pin	1
24	Tap Screw (8SEABB04-60)	2	56	Press Blade Plate	2
25	Armature	1	57	Blade	2
26	Wind Shield	1	58	Socket Head Cap Screw	4
27	Bearing (8SG608G-01)	1	59	Blade Holder	2
28	Bearing Sleeve	1	60	Hex Head Screw	6
29	Tap Screw (8SEABB04-14)	2	61	Rear Base Plate	1
30	Press Cord Board	1	62	Bearing (8SG608Z-01)	1
31	Press Cord Shield	1	63	Blade Shaft	1
32	Screw Arbor	1	64	Guide (Not Shown)	1



# ASSEMBLY DIAGRAM



**68: GUIDE NOT SHOWN.**

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