

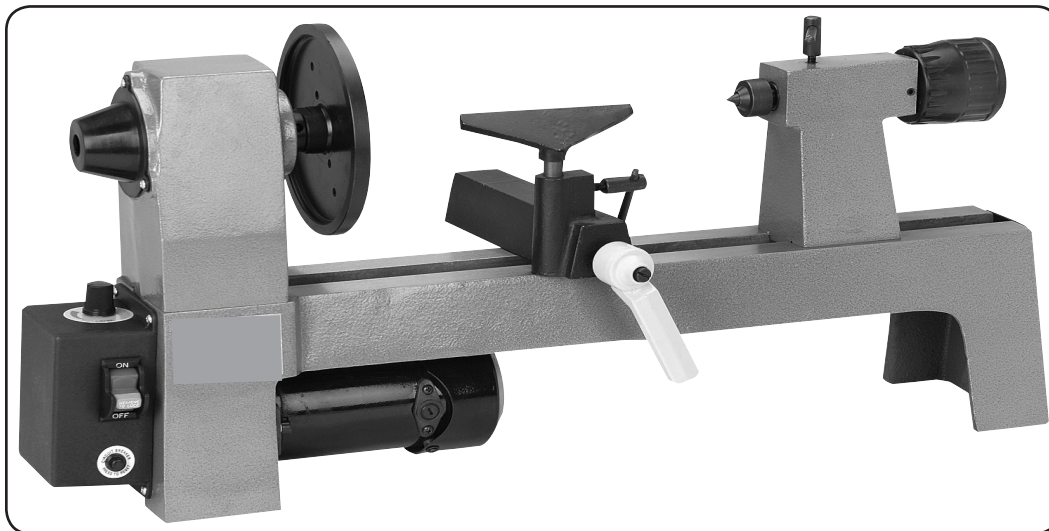
# CENTRAL MACHINERY

®

## MINI WOODWORKING LATHE

### Model 95607

### ASSEMBLY AND OPERATION INSTRUCTIONS



Due to continuing improvements, actual product may differ slightly from the product described herein.



3491 Mission Oaks Blvd., Camarillo, CA 93011

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

**TO PREVENT SERIOUS INJURY, READ AND UNDERSTAND ALL  
WARNINGS AND INSTRUCTIONS BEFORE USE.**

**TO PREVENT DAMAGE TO THE LATHE, SEE STARTUP AND  
SHUTDOWN PROCEDURES ON PAGE 13 BEFORE USE.**

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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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Motor	110 V~ / 60 Hz / 1 Phase
Speed Range	750 - 3200 RPM
Drive Spindle Size	3/4" x 16 TPI
Swing Over Bed	8"
Distance Between Centers	13"
Spindle Bore	7/16"
Quill Travel	12"
Head Stock	4-1/8" H
Work Tolerance	0.005"
Bed Dimensions	22-3/4" L x 3" W x 5-3/4" H
Tailstock Taper	MT1
V-belt size	6 x 516 mm
Net Weight	46 lb.

### 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 work area clean and well lit.** Cluttered benches and 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. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **Do not abuse the Power Cord. 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.

## **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.** Plugging in power tools with the Power Switch on invites accidents.
4. **Keep Guards in place and in working order.**
5. **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.

6. **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.
7. **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, heavy-duty work gloves, and a dust mask/respirator when using or performing maintenance on this tool.

## TOOL USE AND CARE

1. **Secure and support the working tools to a stable platform.** Holding the tool by hand or against your body is unstable and may lead to loss of control.
2. **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.
3. **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.
4. **Disconnect the Power Cord Plug from the power source and remove key 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 and remove key before performing any inspection, maintenance, or cleaning procedures.**
5. **Keep out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
6. **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.
7. **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.
8. **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. **Maintain labels and nameplates on the Mini Lathe.** These carry important information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
2. **Direction of feed.** Feed tool into workpiece against the direction of the workpiece only.
3. **Avoid unintentional starting.** Make sure you are prepared to begin work before turning on the Mini Lathe.
4. **Never leave the Mini Lathe unattended when it is plugged into an electrical outlet.** Turn off the tool, and unplug it from its electrical outlet before leaving.
5. **Never stand on tool.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
6. **WARNING!** 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.
7. **WARNING!** Some dust created by power sanding, 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.
- 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

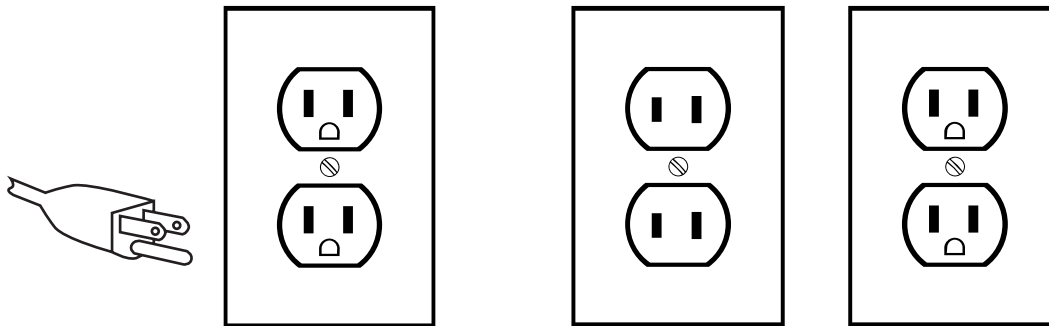
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 **WARNING!**

**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.**

### 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 Figure A.)**
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.)**



**FIGURE A**

**FIGURE B**

### 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 Figure B.)**

2. Double insulated tools may be used in either of the 120 volt outlets shown in the preceding 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. 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 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* (120 OR 240 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>
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	-	-	-

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

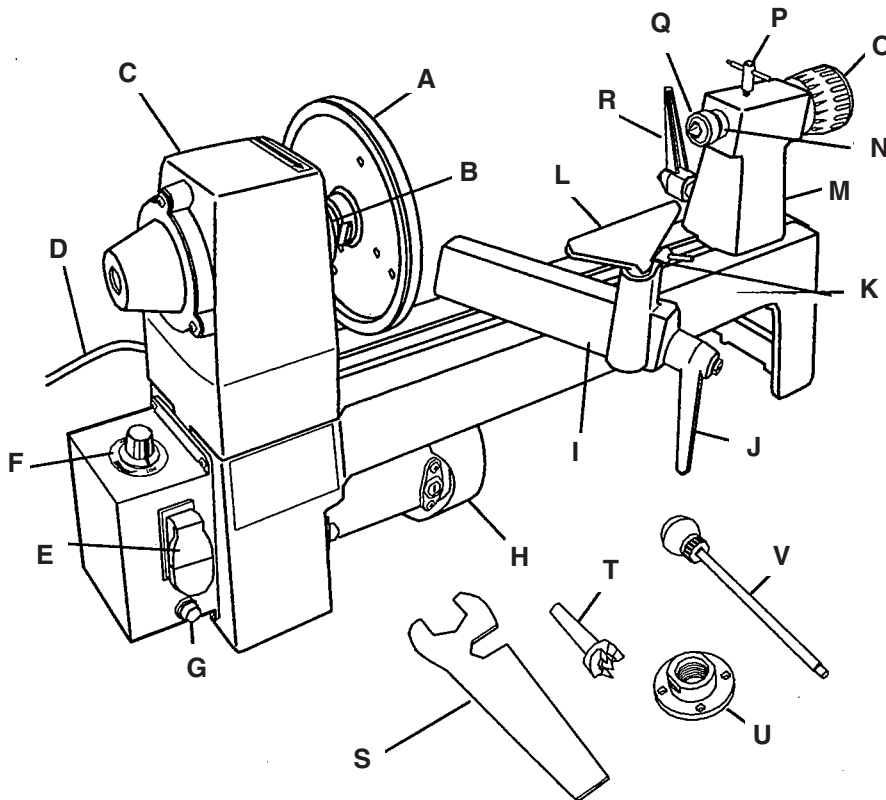
### SYMBOLOLOGY

	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)



## UNPACKING

When unpacking, make sure the item and its accessories and components are intact and undamaged. If any parts are missing or broken, call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible. See packing list below.



## GENERAL MINI LATHE COMPONENTS

**Note:** Refer to the parts list and diagram at the end of this manual for complete part number listings and locations.

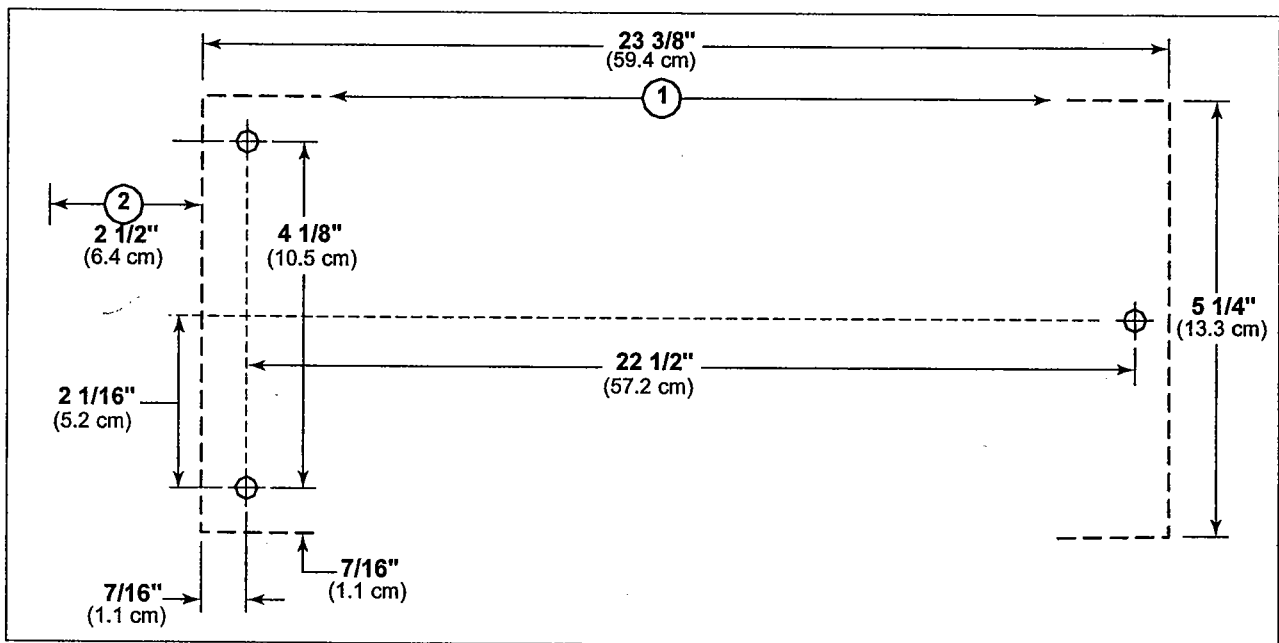
Part	Description
A	Large faceplate
B	Headstock spindle
C	Headstock
D	Power cord
E	ON/OFF switch with key
F	Speed control knob
G	Circuit breaker reset button
H	Motor
I	Tool rest base
J	Base lock lever
K	Tool rest lock lever

Part	Description
L	Tool rest
M	Tailstock
N	Tailstock spindle
O	Hand wheel
P	Spindle lock lever
Q	Tailstock cup center
R	Tailstock lock lever
S	Flat wrench
T	Headstock spur center
U	Small faceplate
V	Push-out rod

# ASSEMBLY INSTRUCTIONS

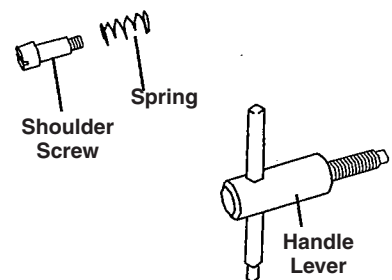
**Note:** For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

1. **⚠️ WARNING!** Make sure the Power Switch of the Lathe is in its "OFF" position and that the Lathe is unplugged from its electrical outlet before making any adjustments to the Lathe.
2. Mount the Lathe on a benchtop by first measuring and marking three hole centers. **See Figure 1.**
3. Drill holes through the marked locations. Be sure there are no hidden wires.
4. Install the bolts and washers (not included) from under the benchtop and into the holes in the bottom of the Lathe frame. **Please note:** To hold the Lathe securely, the bolts must be a minimum of 1" into the frame.



**Figure 1**

5. The spring-loaded lock levers for the Tailstock Spindle (N) and the Tool Rest (L) are made of separate parts. If either lock lever has come loose during shipping, they must be reassembled.



**Figure 2**

6. To reassemble a lock lever, the shoulder screw passes through the spring and the handle lever and then into the Tailstock Spindle and Tool Rest, as shown in **Figure 2.**

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## ASSEMBLY INSTRUCTIONS (CONTINUED)

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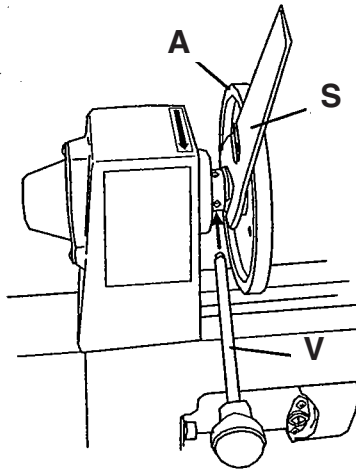
The Mini Lathe comes with two different sized Faceplates (A). Use the one best suited to size of the workpiece. Mount the workpiece onto the Faceplate with wood screws (not provided). Make sure the screws are not so long that they enter the workspace of where the material is being removed.

**Please note:** Both Faceplates (A) have an open center. When cutting through a workpiece from the Tailstock (M), the drill bit can go completely through the workpiece.

### Installing or removing a faceplate:

1. Make sure the ON/OFF Switch (E) of the tool is in its “OFF” position, the key removed and the tool is unplugged from its electrical outlet before making adjustments to the tool. Thread the Faceplate (A) onto the end the Headstock Spindle (B) and hand tighten.

Figure 2



2. Place the Wrench (S) over the flats on the Faceplate (A). **See Figure 2. Please note:** Since the Headstock Spindle (B) is belt driven, it will turn freely if not held stationary while the Faceplate (A) is tightened or loosened.
3. Insert the tip of the Push-out Rod (V) into one of the slots in the side of the Headstock Spindle (B).
4. Grip the Push-out Rod (V) firmly while turning the Wrench (S) to either tighten or loosen the Faceplate (A).
5. Remove the Push-out Rod (V) and Wrench (S). If the Faceplate (A) is being removed, continue turning it until it comes off of the spindle threads.

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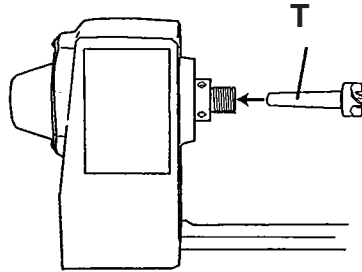
## ASSEMBLY INSTRUCTIONS (CONTINUED)

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### Installing a spur and center:

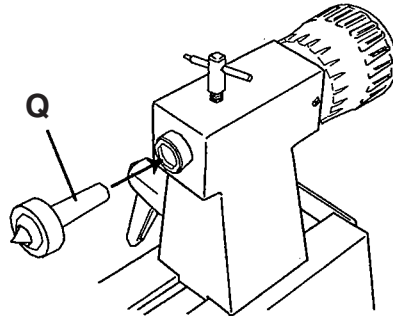
1. First, insert the shaft of the Headstock Spur Center (T) into the hollow center of the Headstock Spindle (B). Please see **Figure 3**.

**Figure 3**



2. Then, insert the shaft of the Tailstock Cup Center (Q) into the hollow center of the Tailstock Spindle (N). Please see **Figure 4**.

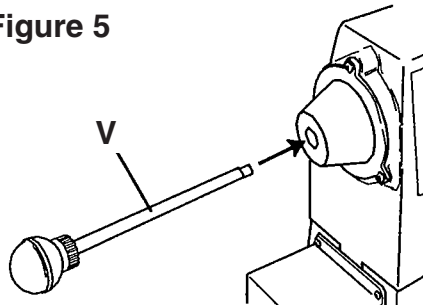
**Figure 4**



### Removing a spur and center:

3. Insert the Push-out Rod (V) into the far end of the Headstock Spindle (B) or the Tailstock Spindle (N) until it comes into contact with the shaft of the Spur Center (T). See **Figure 5**.
4. Tap end of Push-out Rod (V) until the Headstock Spur Center (T) comes loose.

**Figure 5**



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## SPEED CONTROL OPERATION

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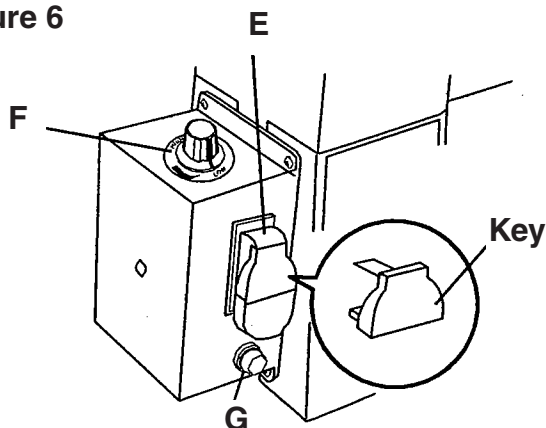
The variable speed control contains the electrical connections to the motor and has three external controls - ON/OFF switch (E), Speed Control Knob (F), and the Circuit Breaker reset button (G). See **Figure 6**, below.

### ON/OFF Switch (controls electrical power to the Lathe's motor)

**⚠ WARNING!** Always set the Speed Control Knob (F) to its lowest (counterclockwise) setting before starting the Lathe. **Never start a workpiece at maximum speed.** There is a 1 to 3 second delay in motor activation when starting.

1. Move the Switch (E) to the ON position to start the motor. The Lathe will begin turning and driving the Headstock Spindle (B). **Please note:** A special "soft start" safety feature does not allow the Lathe to reach full speed until 1 to 3 seconds after activation. The time it takes the motor to reach the speed set by the Speed Control Knob (F) depends on the size and weight of the workpiece.

**Figure 6**



2. Move the Switch (E) to the OFF position to stop the Lathe. **Please note:** The Spindle and workpiece will continue to spin until the motor stops. **CAUTION:** Never leave the Lathe unattended until it has come to a complete stop.
3. The Switch Key can be pulled out of the Power Switch (E) when it is in the OFF position. With the Key removed, the Switch (E) is locked in that position and Lathe cannot be started. Always store the Key in a safe place whenever the Lathe is left idle.

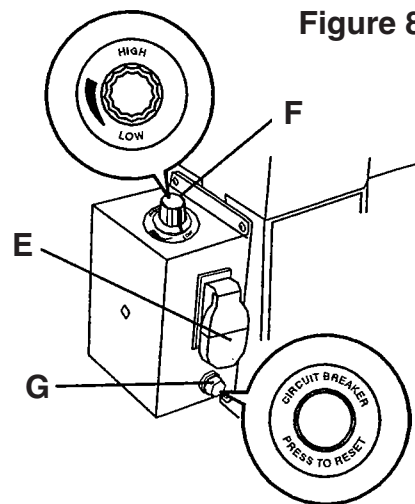
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## SPEED CONTROL OPERATION

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### Speed Control Knob

1. The Speed Control Knob (F) sets the speed of the Lathe to suit the weight of the workpiece or the type of tool being used. After the Lathe is started, turn the Knob (F) clockwise to increase the Spindle speed (up to maximum of 3200 RPM). See **Figure 8**.
2. Turn the Knob (F) counterclockwise to decrease the Spindle speed (down to a minimum of 750 RPM).
3. Adjust the Knob (F) until the desired workpiece rotation speed is reached.



### Circuit Breaker Reset Button

1. The Circuit Breaker Reset Button (G) will reset the Motor (H) after it shuts off during operation due to overloading or low voltage. See **Figure 8**.
2. Turn the ON/OFF Switch (E) to the OFF position.
3. Wait about 5 minutes for the Motor (H) to cool.
4. Push the Reset Button (G).
5. Turn the ON/OFF Switch (E) to the ON position.

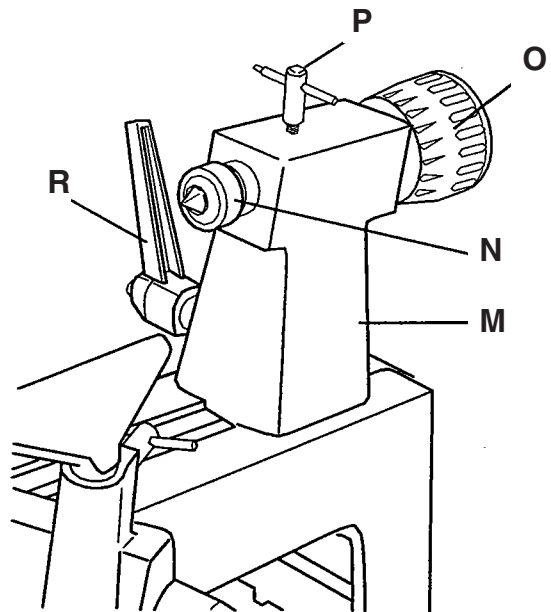
**⚠ WARNING!** To prevent accidental start-up if Reset Button (G) is pushed, the ON/OFF Switch (E) should be in OFF position and plug should be removed from the outlet as the Motor (H) cools. Overheating may be caused by misaligned parts or dull chisel. Inspect Lathe for proper setup before using again.

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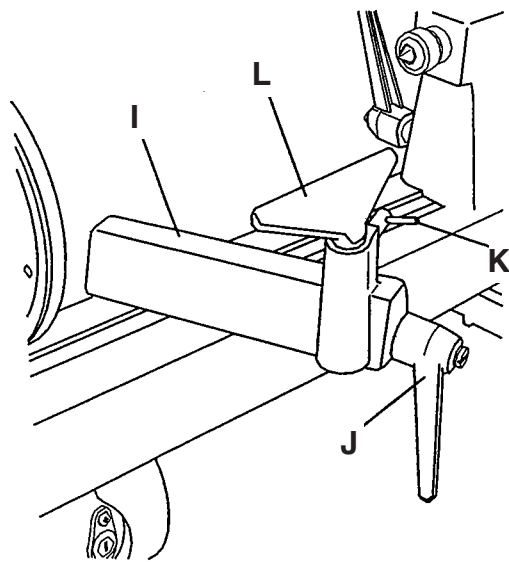
## OPERATION INSTRUCTIONS

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1. Move the Tailstock (M) by loosening the Lock Lever (R) and pushing the Tailstock to the desired position on the bed. Lock in place by tightening the Lock Lever (R). See **Figure 9**.
2. The spindle extends up to 2-1/2" from the Tailstock (M) housing. Move the Tailstock Spindle (N) by loosening the Spindle Lock Lever (R) and the Hand Wheel (O).
3. Turn the Hand Wheel (O) clockwise to extend the spindle. Turn the Hand Wheel (O) counterclockwise to retract the spindle. Then tighten the Spindle Lock Lever (P).
4. **Caution:** Always lock the Levers (P) and (R) before operating the Lathe.
5. The Tailstock Spindle (N) is hollow and can be accessed from the Hand Wheel (O) end. Use the Push-out Rod (V) to remove the Cup Center (Q), which will then allow you to drill holes through the center of a workpiece on a faceplate.
6. Loosen Base Lock Lever (J) to allow Tool Rest Base (I) to move to the right or left and back or front. Tighten Lever (J) when the Tool Rest Base (I) is in the desired position on the Lathe bed. See **Figure 10**.
7. To adjust the Tool Rest (L), loosen the Tool Rest Lock Lever (K) to move the Tool Rest (L) to the center line of the workpiece. Then tighten the Lock Lever (K).
8. To change the Tool Rest (L), loosen the Lock Lever (K) and pull the Tool Rest (L) out of the Tool Rest Base (I). Insert the other Tool Rest, adjust to the desired position, and tighten the Lock Lever (K).
9. **Caution:** Make sure the Tool Rest (L) is adjusted to be as close to the workpiece as possible. Rotate workpiece by hand to check clearance before turning on Lathe.




**Figure 9**



**Figure 10**

## INSPECTION, MAINTENANCE, AND CLEANING

1.  **WARNING!** Make sure the Power Switch (E) of the Lathe is in its “OFF” position and that the Lathe is unplugged from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.
2. **BEFORE EACH USE**, inspect the general condition of the Lathe. 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. Using compressed air, blow out the dust that has accumulated inside the motor, housing and bed assembly after each use. After using the Tailstock (13) as a guide for drilling, blow any sawdust or shavings out of the center of both spindles.
4. Apply a coat of wax to the bed after cleaning. This will keep the surface clean and the Tool Rest (12) and Tailstock (13) moving smoothly.
5. Periodically lubricate spring levers and other threaded parts for easier operation.

<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>					
Blow off dust and wipe with dry cloth		<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Apply coat of wax to bed and lubricate spring levers		<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>



## PARTS LIST

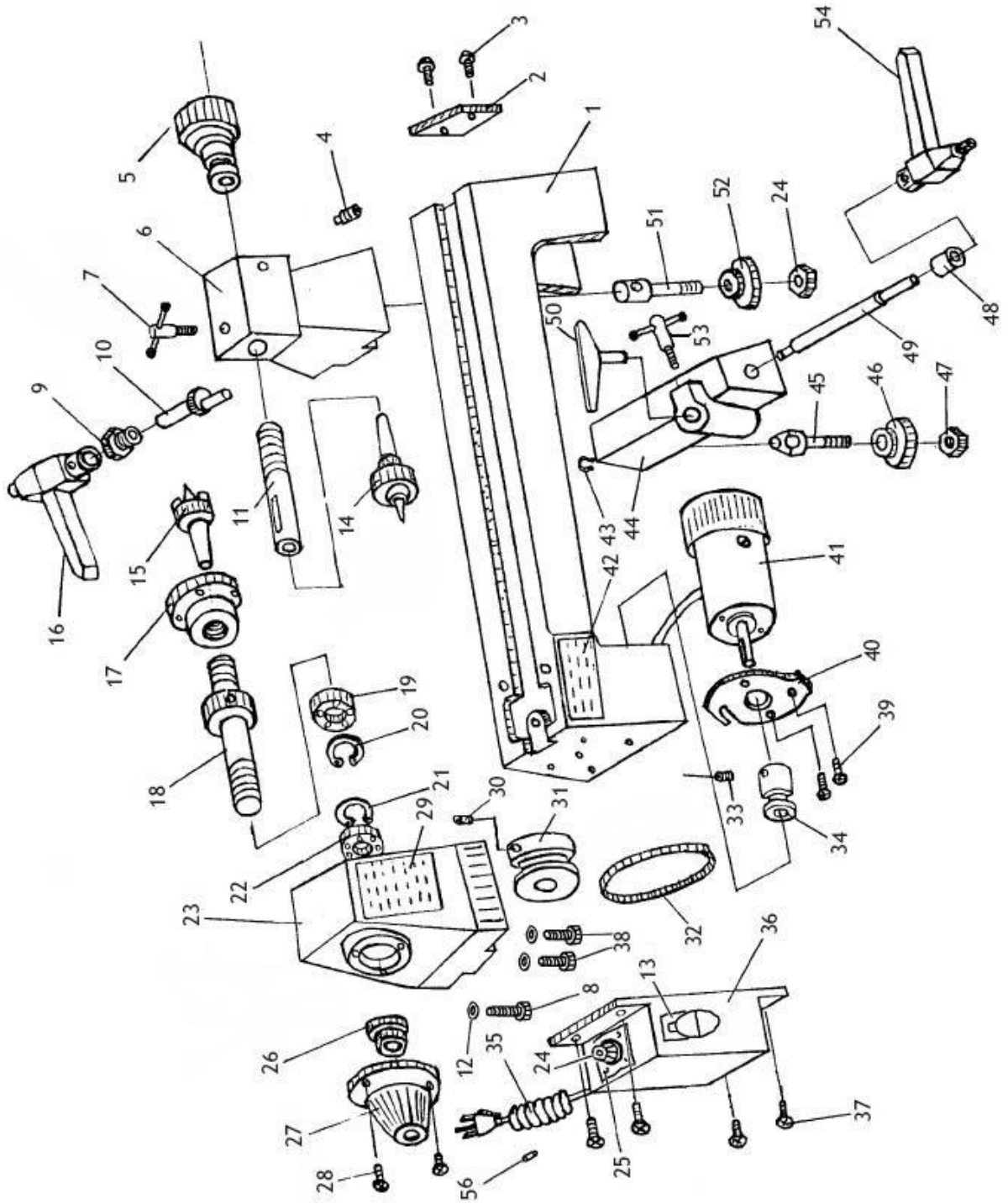
Part	Description	Q'ty
1	Bed	1
2	Retaining plate	1
3	PHLP HD screw M5x8	2
4	Special set screw M6x8	1
5	Hand wheel	1
6	Tailstock	1
7	T-lock knob bolt for tailstock	1
8	Cap screw M8x40	2
9	Sleeve	1
10	Eccentric axis	1
11	Tailstock spindle	1
12	Lock Washer 8MM	3
13	Paddle switch	1
14	Live center assembly	1
15	Headstock spur center	1
16	Tailstock lock handle	1
17a	Face plate-6"	1
17b	Face plate-2"	1
18	Headstock spindle	1
19	Ball bearing 6004ZZ	1
20	Ext. Retaining ring C40	1
21	Retaining ring C40	1
22	Ball bearing 6004ZZ	1
23	Headstock	1
24	Speed dial switch	1
25	Speed dial label	1
26	Headstock spindle nut	1
27	Outboard spindle cover	1
28	PHLP HD screw M4x8	3

Part	Description	Q'ty
29	Spec label	1
30	Set screw M6x10	1
31	Drive pulley	1
32	Belt K-516	1
33	Set screw M6x10	1
34	Motor pulley	1
35	Power cord	1
36	Variable speed box	1
37	PHLP HD screw M4x8	4
38	Cap screw M8x25	1
39	Cap screw M6x18	1
40	Motor plate	1
41	Motor	1
42	Warning label	1
43	Ext retaining ring 8MM	1
44	Tool rest base	1
45	Special bolt M8x32	1
46	Plate	1
47	Lock nut M8x25	3
48	Sleeve	1
49	Eccentric rod	1
50A	Large Tool rest	1
50B	Small Tool rest	1
51	Special bolt M8x32	1
52	Plate	1
53	T-lock knob bolt for tool rest	1
54	Tool holder lock handle	1
55	Fuse (not shown)	1

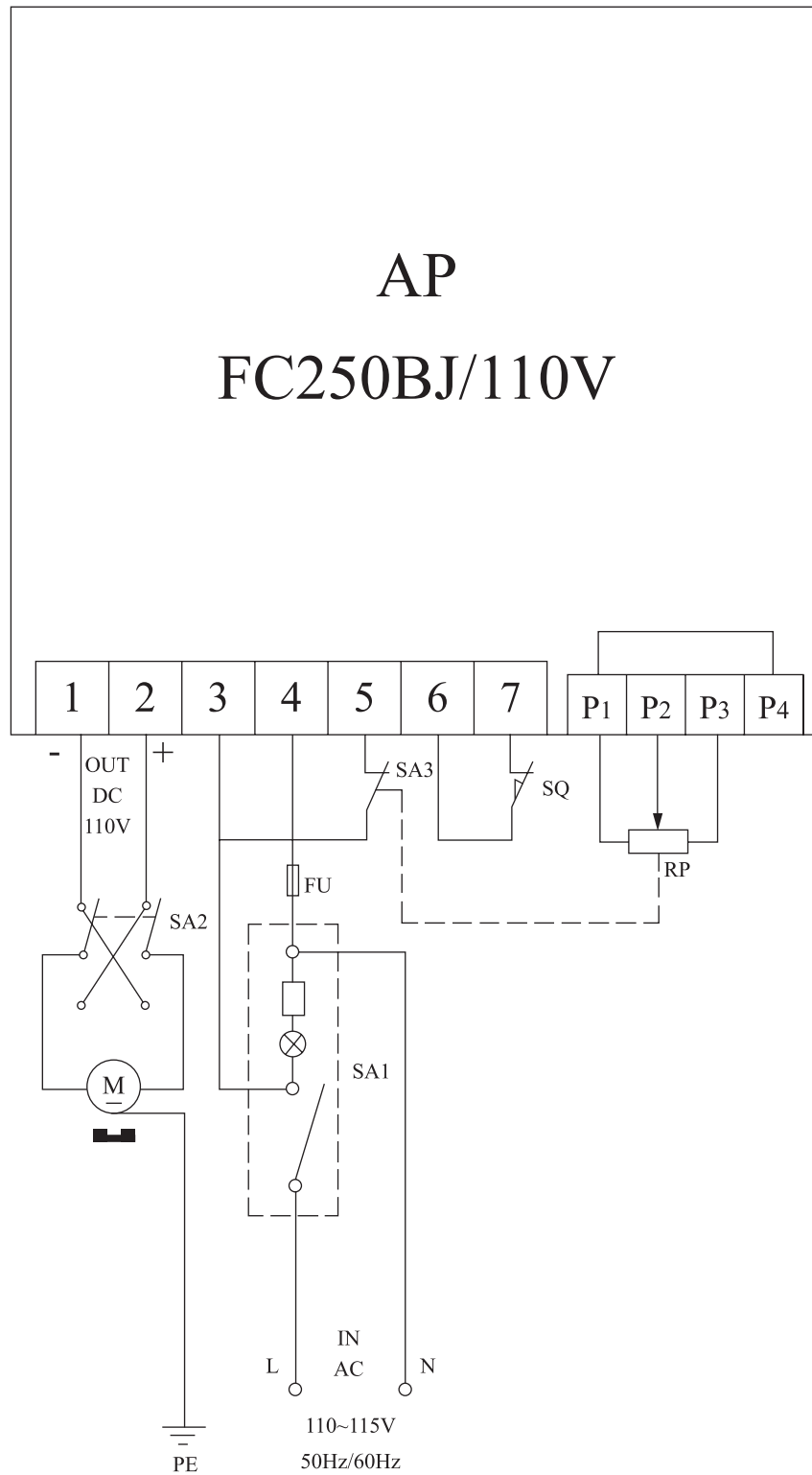
### PLEASE READ THE FOLLOWING CAREFULLY

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.

# ASSEMBLY DIAGRAM



# WIRING DIAGRAM



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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.

***3491 Mission Oaks Blvd. • PO Box 6009 • Camarillo, CA 93011 • (800) 444-3353***