

CENTRAL MACHINERY®

10" TABLE SAW

2.4 HP / 120 V~ / 15 A

Model 97896

SET UP AND OPERATING INSTRUCTIONS



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.

Revised Manual 10h

SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

IMPORTANT SAFETY INFORMATION

In this manual, on the labeling, and all other information provided with this product:



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.

CAUTION

CAUTION, without the safety alert symbol, is used to address practices not related to personal injury.

General Tool Safety Warnings



WARNING Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

1. KEEP GUARDS IN PLACE and in working order.
2. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
3. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
4. DON'T USE IN DANGEROUS ENVIRONMENT. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
5. KEEP CHILDREN AWAY. All visitors should be kept safe distance from work area.
6. MAKE WORKSHOP KID PROOF with padlocks, master switches, or by removing starter keys.
7. DON'T FORCE TOOL. It will do the job better and safer at the rate for which it was designed.

8. USE RIGHT TOOL. Don't force tool or attachment to do a job for which it was not designed.

RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS (120 VOLT)				
NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH			
	25'	50'	100'	150'
0 – 6	18	16	16	14
6.1 – 10	18	16	14	12
10.1 – 12	16	16	14	12
12.1 – 16	14	12	Do not use.	
TABLE A				

9. USE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table A shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
10. WEAR PROPER APPAREL. Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.
11. ALWAYS USE SAFETY GLASSES. Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
12. SECURE WORK. Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.

13. DON'T OVERREACH. Keep proper footing and balance at all times.
14. MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
15. DISCONNECT TOOLS before servicing; when changing accessories, such as blades, bits, cutters, and the like.
16. REDUCE THE RISK OF UNINTENTIONAL STARTING. Make sure switch is in off position before plugging in.
17. USE RECOMMENDED ACCESSORIES. Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
18. NEVER STAND ON TOOL. Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
19. CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function – check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
20. DIRECTION OF FEED. Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
21. NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF. Don't leave tool until it comes to a complete stop.

GROUNDING INSTRUCTIONS

⚠ WARNING TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION READ AND FOLLOW THESE INSTRUCTIONS:

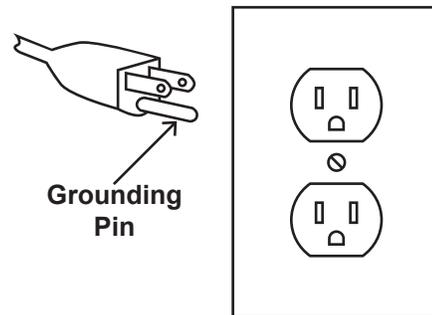


110-120 V~ Grounded Tools: Tools with Three Prong Plugs

1. In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.
2. Do not modify the plug provided – if it will not fit the outlet, have the proper outlet installed by a qualified electrician.
3. Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.
4. Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.
5. Use only 3-wire extension cords that have 3-prong grounding plugs and

3-pole receptacles that accept the tool's plug.

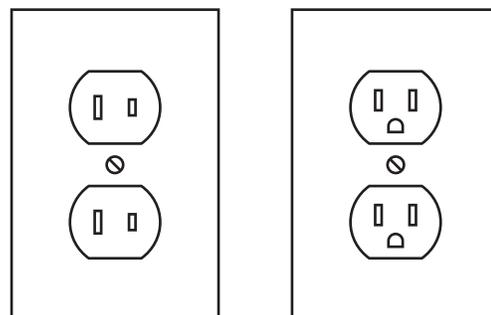
6. Repair or replace damaged or worn cord immediately.



125 V~ 3-Prong Plug and Outlet
(for up to 125 V~ and up to 15 A)

7. This tool is intended for use on a circuit that has an outlet that looks like the one illustrated above in **125 V~ 3-Prong Plug and Outlet**. The tool has a grounding plug that looks like the plug illustrated above in **125 V~ 3-Prong Plug and Outlet**.
8. The outlet must be properly installed and grounded in accordance with all codes and ordinances.
9. Do not use an adapter to connect this tool to a different outlet.

110-120 V~ Double Insulated Tools: Tools with Two Prong Plugs



Outlets for 2-Prong Plug

1. To reduce the risk of electric shock, double insulated equipment has 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 the proper outlet. Do not change the plug in any way.

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.)**

Table Saw Safety Warnings

For Your Own Safety Read Instruction Manual Before Operating Saw

1. Wear eye protection.
2. Use saw-blade guard and spreader for every operation for which it can be used, including all through sawing.
3. Keep hands out of the line of saw blade.
4. Use an appropriate push-stick when required.
5. Know how to reduce risk of kickback.
6. Do not perform any operation freehand.
7. Never reach around or over saw blade.
8. Make sure the workpiece is supported at all times while sawing. Use a roller stand (not provided) with larger workpieces if necessary.
9. To properly understand all safety warnings, be familiar with the following safety terms and equipment:
 - a. Featherboard – A block with “fingers” that hold the workpiece against the fence while sawing.
 - b. Through-sawing – A cut made from one side of a board to the opposite side, without stopping.
 - c. Ripcut or Ripping - A cut made parallel to (along with) the grain of the wood.
 - d. Crosscut or Crosscutting - A cut made perpendicular (at a 90° angle) to the grain of the wood.
 - e. Push-stick – A narrow strip of wood or other soft material with a notch cut into one end and which is used to push short pieces of material through saws. It provides a safe distance between the hands and the cutting tool. Must be narrower than the cut width to prevent contact with the blade.
 - f. Freehand – Feeding a workpiece through the saw without using a fence or guided support to guide it. **NOT A SAFE METHOD.**
 - g. Kerf – The gap made by the saw in the workpiece.
 - h. Kickback – A sudden reaction to a pinched, bound, or misaligned blade, causing an uncontrolled workpiece to lift up and out of the saw toward the operator.
 - i. Spreader – A metal plate that follows the saw blade to keep the kerf (gap) from closing on the saw blade. Spreaders, except riving knives, must be aligned to the blade after blade adjustment to prevent binding.
 - j. Riving Knife – A spreader mounted on the same mechanism as the blade. Generally more effective than simple spreaders.
10. As noted previously, **Kickback** is a sudden reaction to a pinched, bound, or misaligned blade, causing an uncontrolled workpiece to lift up and out of the saw toward the operator. Kickback is usually a result of tool misuse and can be limited or avoided by following the precautions below:

- Fence must be completely parallel to the saw blade.
 - Workpiece must be free from flaws (such as loose knots) and from foreign objects (such as nails and screws).
 - Support large workpieces along their entire length. Large workpieces tend to bend, grabbing the blade.
 - Do not use a dull, damaged, or pitch-covered blade.
 - Do not use fence as a guide when crosscutting.
 - Do not ripcut a twisted or warped workpiece, or workpiece without straight edge to guide along fence.
 - Maintain control of the workpiece. Do not allow the workpiece to rest against the moving blade without holding onto it.
 - If the blade binds or a cut is interrupted, turn off the power switch and hold the workpiece still until the blade stops. Correct the cause of blade binding before proceeding.
 - Before continuing an unfinished cut, center the blade in the pre-cut kerf and check that the saw teeth are not engaged into the workpiece before turning on the saw.
 - Push the wood stock past the blade prior to release.
11. Check guards for proper operation with saw disconnected from power before each use. Do not disable any guard. Do not operate saw if any movable guard does not move freely and close instantly. Make sure any movable guard does not touch the blade in all angles, depths of cut, and positions.
12. Keep the guard in place while through-sawing. Verify that the spreader lines up with the blade to prevent binding.
13. Construct an appropriate Push Stick out of wood according to the guidelines on the following page.

Essential Straight Push-stick Features and Functions

Note: Straight style (traditional) stick shown. A different stick design may be used if it properly protects against all hazards.

Diagram not to scale.

- Push sticks must be made from sturdy, defect-free, plywood or normal wood to prevent unexpected breakage. Material must be at least 1/4" thick, but no thicker than the finished wood.
- Inspect push stick before use and do not use a damaged or deteriorated push stick.
- Push stick dimensions will vary depending on the application and user.

Handle Notch

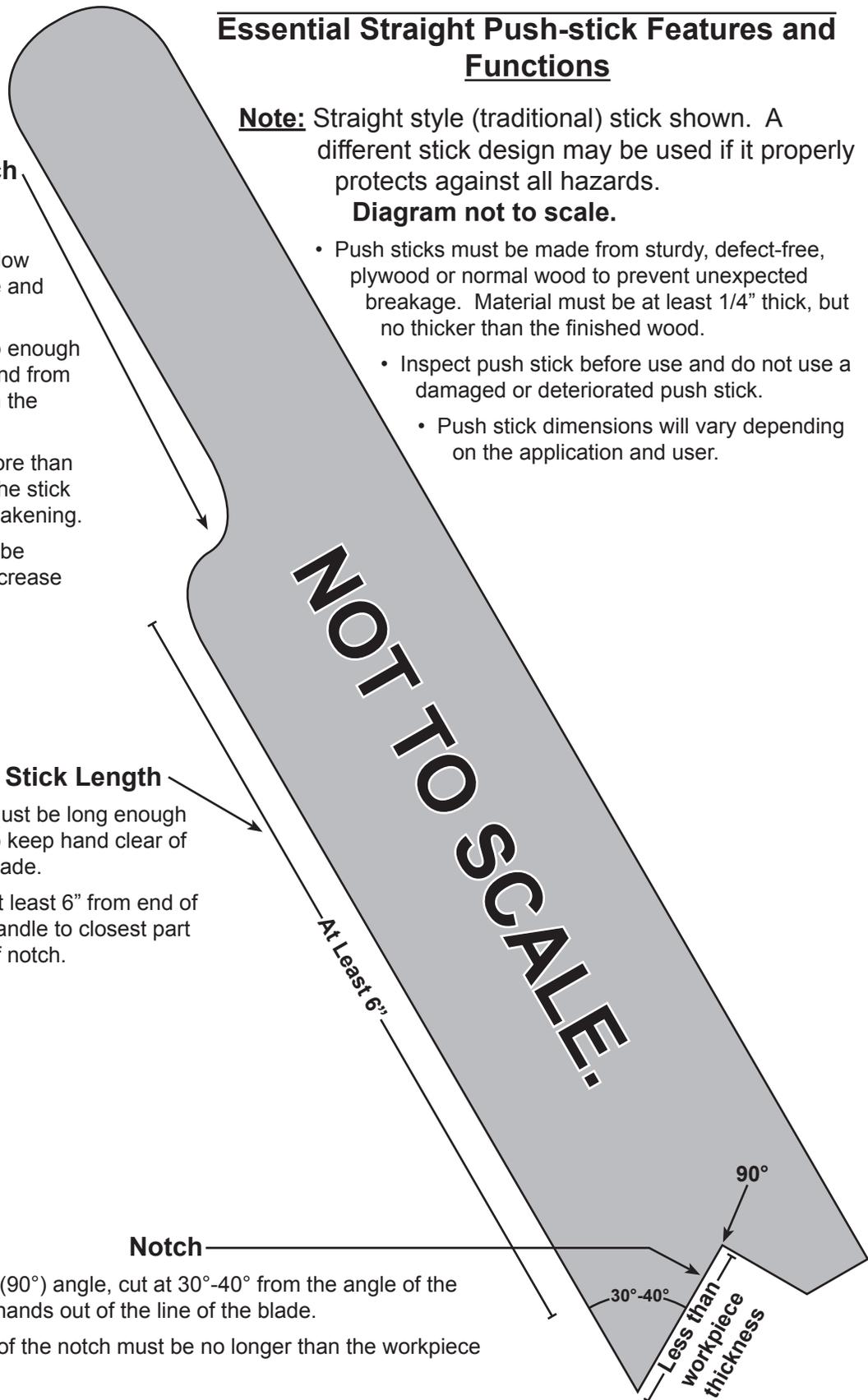
- Must be far enough down the stick to allow a comfortable and firm grip.
- Must be deep enough to prevent hand from slipping down the stick.
- Do not cut more than halfway into the stick to prevent weakening.
- Corners may be rounded to increase comfort.

Stick Length

- Must be long enough to keep hand clear of blade.
- At least 6" from end of handle to closest part of notch.

Notch

- Must be right (90°) angle, cut at 30°-40° from the angle of the stick to keep hands out of the line of the blade.
- The lower lip of the notch must be no longer than the workpiece is thick.



14. **DO NOT OPERATE WITH ANY GUARD DISABLED, DAMAGED, OR REMOVED. Moving guards must move freely and close instantly.**
15. The use of accessories or attachments not recommended by the manufacturer may result in a risk of injury to persons.
16. When servicing use only identical replacement parts.
17. Only use safety equipment that has been approved by an appropriate standards agency. Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.
18. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
19. Industrial applications must follow OSHA guidelines.
20. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
21. Avoid unintentional starting. Prepare to begin work before turning on the tool.
22. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
23. **WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contains chemicals known [to the State of California] to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
 - Lead from lead-based paints
 - Crystalline silica from bricks and cement 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.*)
24. **WARNING:** Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, *et seq.*)
25. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Vibration Safety

This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms

and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.
4. Use tools with the lowest vibration when there is a choice between different processes.
5. Include vibration-free periods each day of work.
6. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.
7. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.



**SAVE THESE
INSTRUCTIONS.**

SPECIFICATIONS

Electrical Requirements	120 V~ / 60 Hz / 15 A
Motor (No Load Speed)	2.4 HP (5,000 RPM)
Blade Size	10" Dia. / 5/8" Arbor
Table Dimensions	16" L x 26" W
Adjustable Rip Fence Size	17" L x 1" W x 2" H
Max Blade Tilt	0-45° (Left Tilt Only) 2° Increments
Dust Chute	3"
Cutting Capacity	2-3/4" @ 90° 2-1/2" @ 45°
Weight	32.6 lb.

Accessories Include:

- 1 Blade Wrench
- 1 Mitre Gauge
- 1 Push Stick
- 1 Rip Fence



Recommended Blade (not included):
SKU 529 - 10" / 40 Tooth Saw Blade

Recommended Mounting Stand (not included):
SKU 98000 - Folding Leg Stand

UNPACKING

When unpacking, check to make sure that the item is intact and undamaged and that parts shown on the Parts Lists and Assembly Diagrams 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.

Note: While unpacking and before attempting assembly; loosen the motor, remove the two Styrofoam inserts that hold the motor in place during packing, and retighten motor.

INSTRUCTIONS FOR PUTTING INTO USE



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

WARNING TO PREVENT SERIOUS INJURY

FROM ACCIDENTAL OPERATION:

Turn the Power Switch of the tool to its "OFF" position and unplug the tool from its electrical outlet before assembling or making any adjustments to the tool.

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

Mounting Instructions

If mounting onto Foldable Leg Stand (SKU 98000):

1. Foldable Leg Stand (SKU 98000) has been designed to support this Table Saw. Mount the Saw according to the instructions, warnings, and precautions available in the Foldable Leg Stand (SKU 98000) manual.
2. If you are mounting Table Saw to a leg stand other than SKU 98000, make sure the stand is designed to handle the weight of this machine, plus any additional weight placed on it during use. Also, make sure that the stand will match the base of this stand properly.

If mounting onto a bench or other wooden surface:

1. Select four (4) 3/8" Bolts, eight (8) 3/8" Washers, and four (4) 3/8" Nuts* (not included).
*Screws and washers may be used instead, if desired.
2. Place the Table Saw in the location it will be mounted in. Make a mark in the center of each of the 4 mounting holes. Set the Saw aside.
3. **WARNING!** Before drilling the holes, make sure that there are no electric wires, cables, utility lines or other obstructions in the area to be drilled in.
4. Drill the holes straight down, large enough to allow your mounting hardware to fit.
5. Put the Saw in place and mount using the hardware mentioned above. Tighten all hardware securely before use.

To Install A Saw Blade

1. **WARNING! Prior to installing a Saw Blade (3), make sure the Table Saw is disconnected from its electrical power source.** To help prevent injury, heavy work gloves are recommended when installing and replacing the blade.
2. **WARNING! Be very careful during blade tightening and loosening to avoid contact with the blade.**
3. Unscrew the two Block Pins (147) located on the Guard Arm (149). Remove the Blade Guard (146) to expose the Saw Blade opening.
4. Remove the two screws (81) and remove the Table Insert (82).

5. Turn Control Wheel (51) counterclockwise to raise the motor to its uppermost position.
6. Turn Lock Knob (65) counterclockwise to loosen the tilt lock. Push Control Wheel in to engage the gears and rotate it counterclockwise to tilt the Spindle (10) to 15 degrees.
7. With the Open-end Wrench (167), hold the Inner Flange (4) and use the Box Wrench (166) to loosen the Blade Nut (1). Then remove the Blade Nut and Outer Flange (2).
8. With the teeth of the Saw Blade pointing towards the front, tilt the Saw Blade to the left, lower it into the table and slide it onto the Spindle. Slide the Outer Flange over the Spindle (keeping the recessed face towards the Saw Blade.)
9. Attach the Blade Nut and finger-tighten. Then use the Wrenches (one to hold the Inner Flange and the second to tighten the Nut.) **WARNING!** Do not overtighten.

NOTE: The Spindle has a right-hand thread and is secured when turned in a clockwise direction.

10. Once the Saw Blade (3) is secured, install (or replace) the Blade Guard (146).

To Attach Blade Guard Assembly

1. **WARNING!** Prior to installing the Blade Guard, make sure the Table Saw is disconnected from its electrical power source.



FIGURE B

2. Put the Blade Guard Assembly in place over the table. The Support Base (164) of the Guard Assembly attaches to the mounting post shown in **Figure B**, above.



FIGURE C

3. Slip the Support Base (164) over the mounting post. Place a Spring Washer (156) and Flat Washer (163) over the Hex Bolt (162) and thread into the end of the mounting post. Use the included Hex Wrench (165) to tighten the Hex Bolt (162). See **Figure C** above.
4. Use the Hex Wrench (165) to tighten all the Hex Bolts in place along the Support Base (164) of the Guard Assembly.

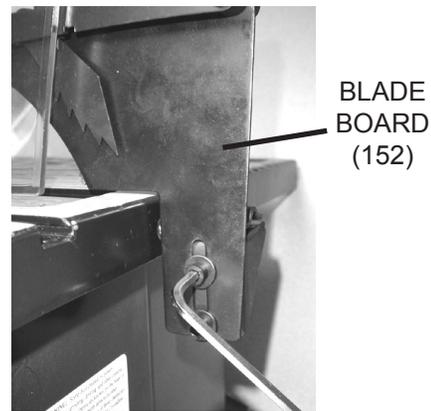


FIGURE D

5. To adjust the height of the Blade Guard, loosen the Hex Bolt (160) along the side of the Blade Board (152). Once the screws are loosened, adjust the Blade Board to the desired height. See **Figure D**, above.
6. After making any adjustments to Blade Guard, make sure the guard is aligned properly and does not contact the Blade (3).

To Attach Fence Assembly

1. **WARNING!** Prior to installing the Fence, make sure the Table Saw is disconnected from its electrical power source.
2. To attach Fence (123) to Work Table (86), raise the Fence Handle (132) to a horizontal position. Slip the Front Board (134) of the fence over the front edge of the Table (86).

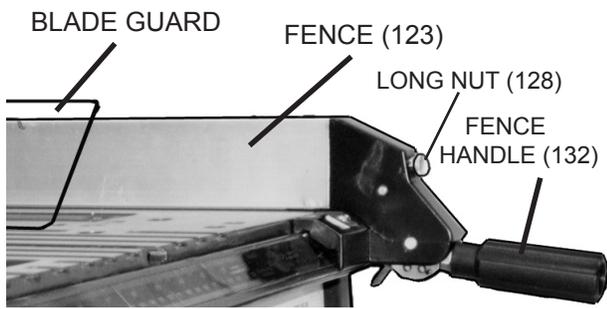


FIGURE E

3. Slip the Rear Plate (120) onto the top/rear edge of the Work Table (86), lowering the Fence Assembly all the way onto the Table. Then, lock the Fence in position by lowering the Fence Handle (132) to a vertical position. See **Figure E**.
4. Grab the end of the Fence and try to lift it. If any free play is noted, very gently turn the Long Nut (128) in a clockwise direction while wiggling then end of the Fence until no more give is felt. Then turn the Long Nut another 1/8" to 1/4".

OPERATING INSTRUCTIONS



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

To Raise And Lower Saw Blade

WARNING

TO PREVENT SERIOUS INJURY

FROM ACCIDENTAL OPERATION:

Turn the Power Switch of the Table Saw to its "OFF" position and unplug the Saw from its electrical outlet before making any adjustments to the height of the Blade (3).

1. When cutting, the top edge of the Saw Blade (3) should rise about 1/4" above the top edge of the workpiece.



FIGURE F

2. To increase the Blade height, turn the Control Wheel counterclockwise. See **Figure F**.

To Adjust The Saw Blade Angle

1. The Table Saw is capable of making cuts from 45° to 90°.
2. The Table Saw also features an *Angle Scale* and *Angle Indicator* on the front side of the unit. See **Figure F**.
3. To adjust the angle of the Saw Blade (3), unlock the Lock Knob (65) by turning it *counterclockwise*. Push the Control Wheel (51) inward to engage the gear, then turn it until the red pointer indicates the desired angle.
4. **CAUTION!** Due to its weight, the saw Blade will lower on its own. When an angle is set, hold the Control Wheel stationary with one hand and tighten the Lock Knob with the other hand.
5. Then, turn the Lock Knob *clockwise* to lock the Saw Blade in position.



FIGURE G

6. Note that the Adjustable Stop Bolts (85) in the table top are used to adjust the zero degree and 45 degree positive stops. A 5mm hex key and a 10mm wrench (both sold separately) are required for adjustment.

To Adjust Width Of Cut

1. **WARNING! DO NOT ATTEMPT TO USE THE FENCE AND MITRE AT THE SAME TIME.**
2. The width of a cut is achieved by moving the Fence (123) to the right or left.
3. The Table Saw features a Graduation Scale on the front of the unit. The Scale's measurements are in both *inch* and *metric* increments.
4. To position the Fence (123) for the desired width of a cut, unlock the Fence Handle (132) by raising it upward.
5. Place the workpiece on the Table Saw against the Fence (123). Next, slide the workpiece, and the Fence, to the right or left until the left side of the Indicator (136) marks on the Graduation Scale the desired width to be cut. Then, lock the Fence in place by lowering the Fence Handle (132).

Proper Placement Of Hands During Cutting Process

1. Review all warnings, especially the Specific Safety Rules on page 6, before performing any cutting procedure. Always keep all guards in place and in working order.
2. Use the Push Stick (168) or an Auxiliary Handle (not included) only when ripping widths of 2" to 6". Use a Push Block (not included) when ripping widths under 2".
3. When ripping, always use the Fence (123). This improves the accuracy of the cut, and reduces the chance for Saw Blade binding.
4. Never pass hands directly over the Saw Blade (3) when cutting the workpiece. Always push the workpiece into the Saw Blade, using the Push Stick (168). See **Figure H**, below.

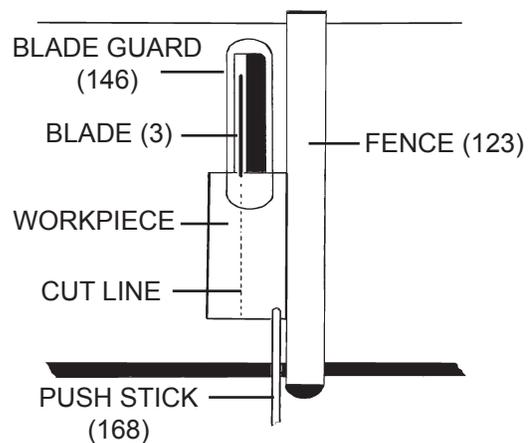


FIGURE H

5. At the start of the cut, the left hand holds the workpiece firmly on the Work Table (86) and against the Fence (123). The right hand, with the aid of the Push Stick (168), pushes the workpiece toward the turning Saw Blade (3). Always keep both hands a safe distance from the spinning Blade (3). See **Figure H**, above.

6. After the cut is under way, use the Push Stick (168) to continue guiding the workpiece forward. Just before the cut is near completion, move the left hand safely away from the workpiece and the Saw Blade (3). Then, continue pushing workpiece into Saw Blade with Push Stick, until the cut is complete. See **Figure H**.
7. Once the cut is complete, continue to maintain control of the workpiece. Turn the Switch (103) to its OFF position. Then, wait until the Saw Blade (3) completely stops rotating before removing the workpiece.

Table Saw Overload Protection

1. The Table Saw is equipped with a Circuit Breaker (104). If the motor shuts off or fails to start due to overloading (cutting stock too fast, using a dull Saw Blade (3), low voltage, using the Table Saw beyond its capacity, etc.), turn the Switch (103) to its OFF position. The Switch is also equipped with a safety pull that immediately triggers the circuit breaker.
2. Let the motor cool three to five minutes and reconnect the safety pull before pushing the Circuit Breaker button. This will reset the overload device. The motor can then be turned on again in the usual manner.
3. When stacking dado blades, you should be familiar with safe work practices and follow the directions of the blade manufacturer during dado cuts. Stacked dado blade thickness should not exceed 0.33". Always make sure that all mating faces are clean and free of sawdust and debris.

MAINTENANCE AND SERVICING



Procedures not specifically explained in this manual must be performed only by a qualified technician.

!WARNING

TO PREVENT SERIOUS INJURY

FROM ACCIDENTAL OPERATION: Always disconnect the Table Saw from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE: Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

1. **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, improper mounting of the Saw Blade (3) and any other condition that may affect its safe operation.
2. **Remove cut-off pieces and scraps from the Table before starting the Table Saw.** Switch off the tool. While the Saw Blade (3) is completely stopped; unplug the machine, remove the Blade following the instructions on pages 11 and 12, and remove all debris. With a brush, soft cloth, or vacuum, remove all sawdust from the Table Saw.
Allowing sawdust, scraps, or other debris to accumulate can cause a fire,

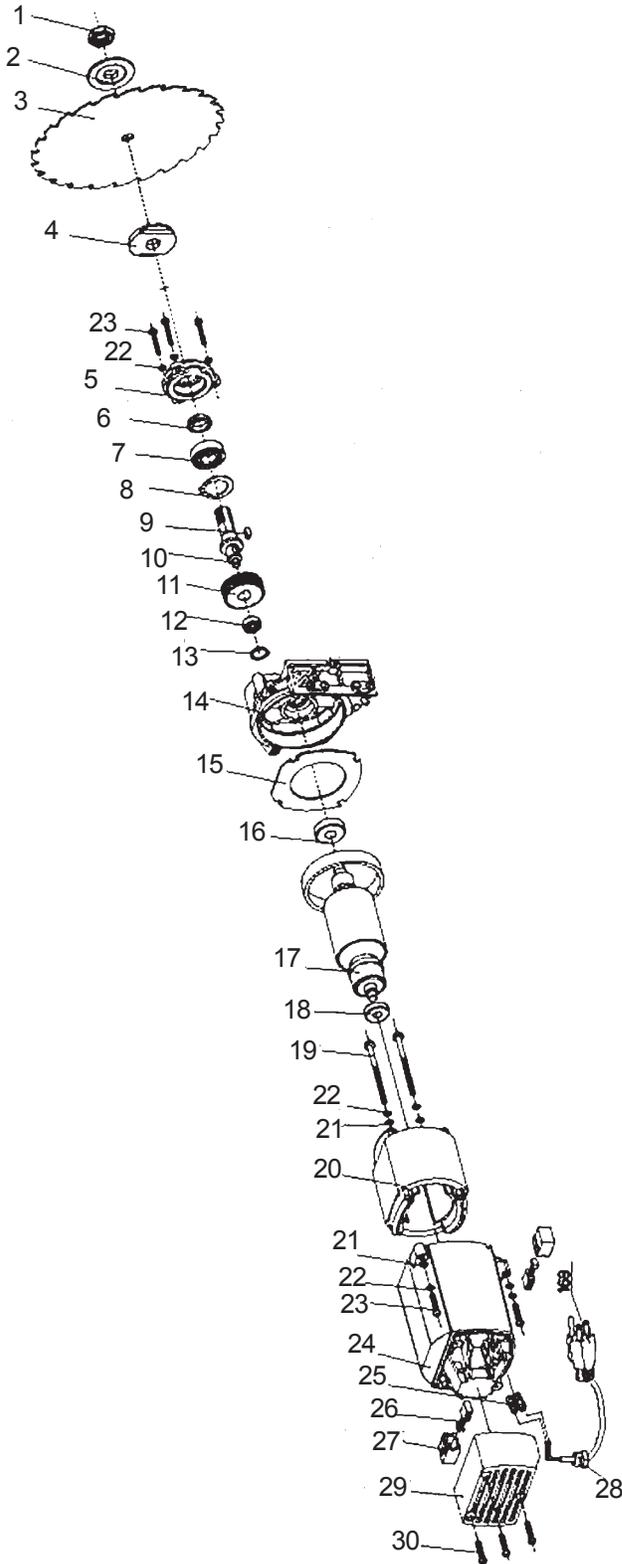
resulting in severe personal injury or property damage.

3. Do not use solvents to wipe off the Table Saw, as damage may result. If necessary, wipe with a damp cloth. You may use a mild detergent.
Do not introduce water into the electric motor through the motor vents.
4. Once clean, lubricate all moving parts with a light oil.
5. When storing, keep the Table Saw covered with a cloth cover.
6. **WARNING!** If the supply cord of this power tool is damaged, it must be replaced only by a qualified service technician.

PLEASE READ THE FOLLOWING CAREFULLY

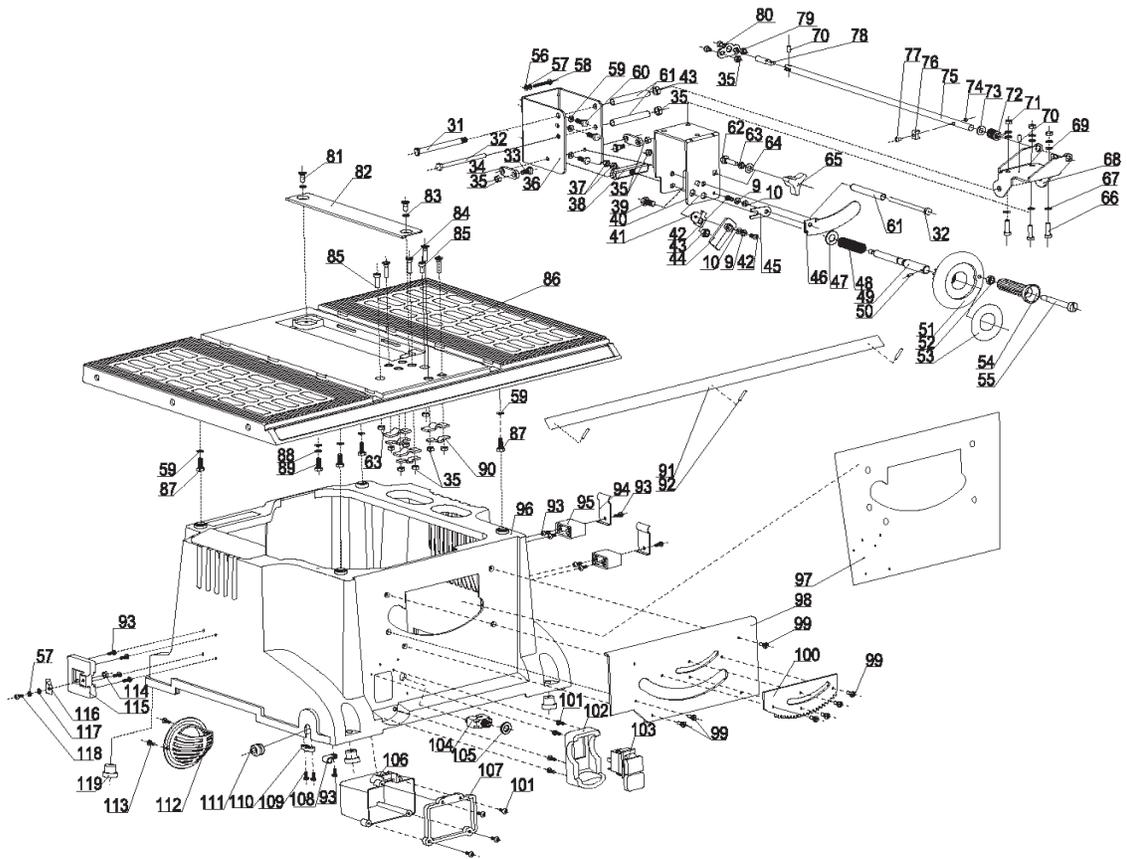
THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE 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.

MOTOR ASSEMBLY DIAGRAM AND PARTS LIST (PARTS 1-30)



NO.	PART NAME	QTY
1	Blade Nut	1
2	Outer Flange	1
3	Blade (not included)	1
4	Inner Flange	1
5	Gear Box Cover	1
6	Bushing	1
7	Bearing	1
8	C-Ring	1
9	Key	1
10	Spindle	1
11	Gear	1
12	Bearing	1
13	C-Ring	1
14	Gear Box	1
15	Gasket	1
16	Bearing	1
17	Rotor	1
18	Bearing	1
19	Screw	2
20	Stator	1
21	Flat Washer	8
22	Spring Washer	11
23	Screw	6
24	Motor Housing	1
25	Wire Connector	1
26	Carbon Brush	2
27	Brush Holder	2
28	Strain Relief	1
29	Rear Cover	1
30	Screw	3

TABLE ASSEMBLY DIAGRAM AND PARTS (PARTS 31-119)



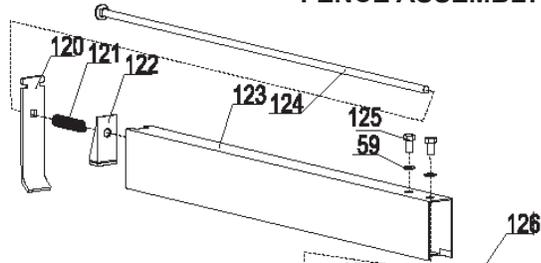
NO.	PART NAME	QTY
31	Pin	1
32	Screw	1
33	Pin	1
34	Link Plate	1
35	Lock Nut	14
36	Adjustment Support	1
37	Nut	2
38	Adjustment Pin	1
39	Bolt	2
40	Support Board A	1
41	Scale Board	1
42	Screw	2
43	Nut	2
44	Indicator	1
45	Block Plate	1
46	Finger Board	1
47	Wave Washer	5
48	Spring	1
49	Adjustment Bolt	2
50	Pin	1
51	Control wheel	1
52	Nut	2
53	Wheel label	1
54	Wheel handle	1
55	Screw	1
56	Gear washer	1
57	Flat washer	4
58	Screw	1
59	Lock washer	12
60	Bolt	3

NO.	PART NAME	QTY
61	Shaft Tube	3
62	Screw	1
63	Large Nut	4
64	Washer Plate	1
65	Lock Knob	1
66	Screw	4
67	Spring Washer	16
68	Support Board B	1
69	Flat Washer	5
70	Spring Pin	3
71	Nut	3
72	Spring	1
73	Flat Washer	1
74	Nut	1
75	Pivot Rod	1
76	Underlay	1
77	Screw	1
78	Rear Axis	1
79	Plate	1
80	Screw	1
81	Screw	2
82	Table Insert	1
83	Washer	1
84	Screw	1
85	Adjustable Stop Bolts	2
86	Work Table	1
87	Bolt	1
88	Gear Washer	1
89	Hex Screw	1
90	Press Plate	6

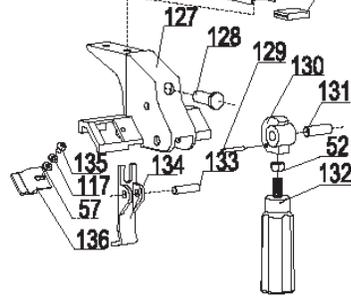
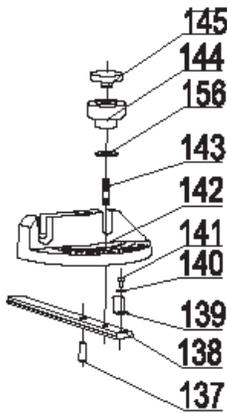
NO.	PART NAME	QTY
91	Scale Label	1
92	Rivet	3
93	Screw	11
94	Spring Plate	2
95	Fence Base	2
96	Base	1
97	Data Label	1
98	Inner Plate	1
99	Screw	9
100	Gear Plate	1
101	Screw	8
102	Switch Base	2
103	Switch	12
104	Circuit Breaker	3
105	Breaker Nut	3
106	Switchbox	1
107	Dustproof Ring	1
108	Wire Holder	1
109	Screw	2
110	Strain Relief	1
111	Rubber Grommet	1
112	Dust Port Cover	1
113	Screw	2
114	Nut	1
115	Mitre Gauge Storage	1
116	Spring Plate	1
117	Spring Washer	2
118	Screw	1
119	Rubber Foot	4

ASSEMBLY DIAGRAMS AND PARTS LIST (PARTS 120-169)

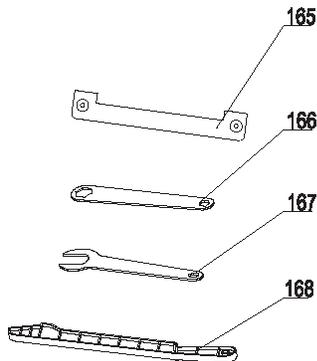
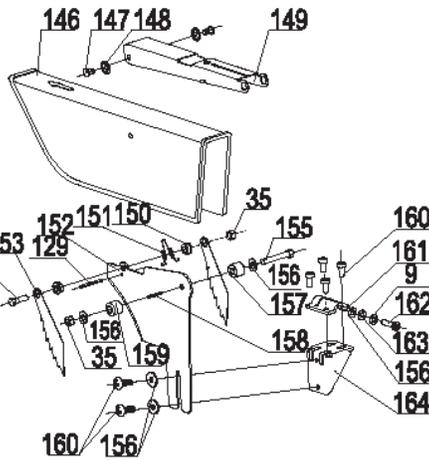
FENCE ASSEMBLY



MITRE GAUGE ASSEMBLY



BLADE GUARD ASSEMBLY



NO.	PART NAME	QTY
120	Rear Plate	1
121	Spring	1
122	Spring Defence Board	1
123	Fence	1
124	Bolt	1
125	Hex Bolt	2
126	Washer Plate	1
127	Fence Support	1
128	Long Nut	2
129	Spring Pin	1
130	Bias Wheel	2
131	Pin	1
132	Fence Handle	1
133	Pin	1
134	Front Board	1
135	Screw	1
136	Indicator	1
137	Pin	1
138	Guide Ruler	1
139	Gauge Pointer	1
140	Spring Washer	1
141	Screw	1
142	Mitre Gauge	1
143	Angle Bolt	1
144	Lock Knob	1
145	Knob Cover	1
146	Blade Guard	1
147	Block Pin	2
148	Spring Washer	2
149	Guard Arm	1
150	Bush	2
151	Spring	2
152	Follow blade Board	1
153	Anti-kickback Lever	2
154	Bolt	1
155	Bolt	2
156	Spring Washer	6
157	Block Bushing - R	1
158	Spring Pin	1
159	Block Bushing - L	1
160	Hex Bolt	6
161	Press Plate	1
162	Hex Bolt	1
163	Flat Washer	1
164	Support Base	1
165	Hex Wrench	1
166	Wrench	1
167	Open ended wrench	1
168	Push stick	4
169	Power cord	1

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.

LIMITED 1 YEAR / 90 DAY WARRANTY

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 for a period of one year from date of purchase that the tank is free of defects in materials and workmanship (90 days if used by a professional contractor or if used as rental equipment). Harbor Freight Tools also warrants to the original purchaser, for a period of ninety days from date of purchase, that all other parts and components of the product are free from defects in materials and workmanship. This warranty does not apply to damage due directly or indirectly to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, 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.