Owner's Manual & Safety Instructions

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. 24f

Bauer™

20106E-B

4" x 36" 6"
BELT / DISC SANDER

Visit our website at: http://www.harborfreight.com
Email our technical support at: productsupport@harborfreight.com

58339

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠WARNING

Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.

Table of Contents

Safety 2
Specifications 6
Setup 6
Operation 8
Maintenance 11
Parts List and Diagram 14
Warranty 16

SAFETY

SETUP

OPERATION

MAINTENANCE

WARNING SYMBOLS AND DEFINITIONS	
⚠	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	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠ WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

IMPORTANT SAFETY INFORMATION

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.

Table A: 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.**	

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. Nonslip 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.

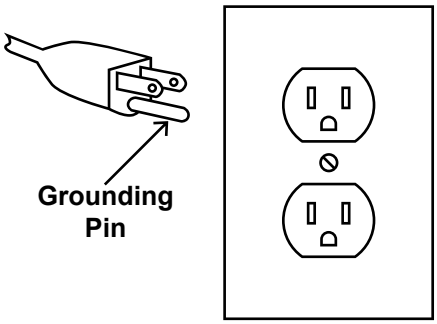
Grounding Instructions

⚠WARNING

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

110-120 VAC 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 VAC 3-Prong Plug and Outlet (for up to 125 VAC and up to 15)

7. This tool is intended for use on a circuit that has an outlet that looks like the one illustrated above in **125 VAC 3-Prong Plug and Outlet**. The tool has a grounding plug that looks like the plug illustrated above in **125 VAC 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.

Sander Safety Warnings

For Your Own Safety Read Instruction Manual Before Operating Sander

1. Wear eye protection.
2. Support workpiece with miter gauge, backstop, or worktable.
3. Maintain 1/16 inch maximum clearance between table and sanding belt or disc.
4. Avoid kickback by sanding in accordance with the directional arrows.
5. The backstop is a fence near the surface that helps the operator maintain control of the workpiece and prevents the workpiece from being pulled into the machine. For safety, it must be adjusted very close to the sanding surface.
6. The worktable is the surface mounted close to the sanding surface that the operator rests the workpiece against to prevent it from being pulled adjusted very close to the sanding surface.
7. The sanding belt is designed to rotate down towards the table while the disc rotates both up from the table and down towards the table. Sand on the belt with the workpiece in front of the backstop and/or table. Sand only on the downward moving surface of the disc - sanding on the upward moving surface may result in the workpiece being thrown up and towards the operator.
8. Remove Safety Key when the Switch is turned off. Do not leave the Safety Key in the Switch when the tool is not in use.

9. **DO NOT OPERATE WITH ANY GUARD DISABLED, DAMAGED, OR REMOVED. Moving guards must move freely and close instantly.**

10. The use of accessories or attachments not recommended by the manufacturer may result in a risk of injury to persons.

11. When servicing use only identical replacement parts.

12. 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.

13. 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.

14. Industrial applications must follow OSHA guidelines.

15. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

16. Avoid unintentional starting. Prepare to begin work before turning on the tool.

17. 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.

18. 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. Use tools with the lowest vibration when there is a choice between different processes.

4. Include vibration-free periods each day of work.

5. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.

6. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

SAVE THESE INSTRUCTIONS.

Specifications

Electrical Rating	120VAC / 60Hz / 4.3A
Belt Size	4" W x 36" L
Disc Size	6"
Maximum Speed	3565 RPM (Disc) 1800 FPM (Belt)

Setup - Before Use:

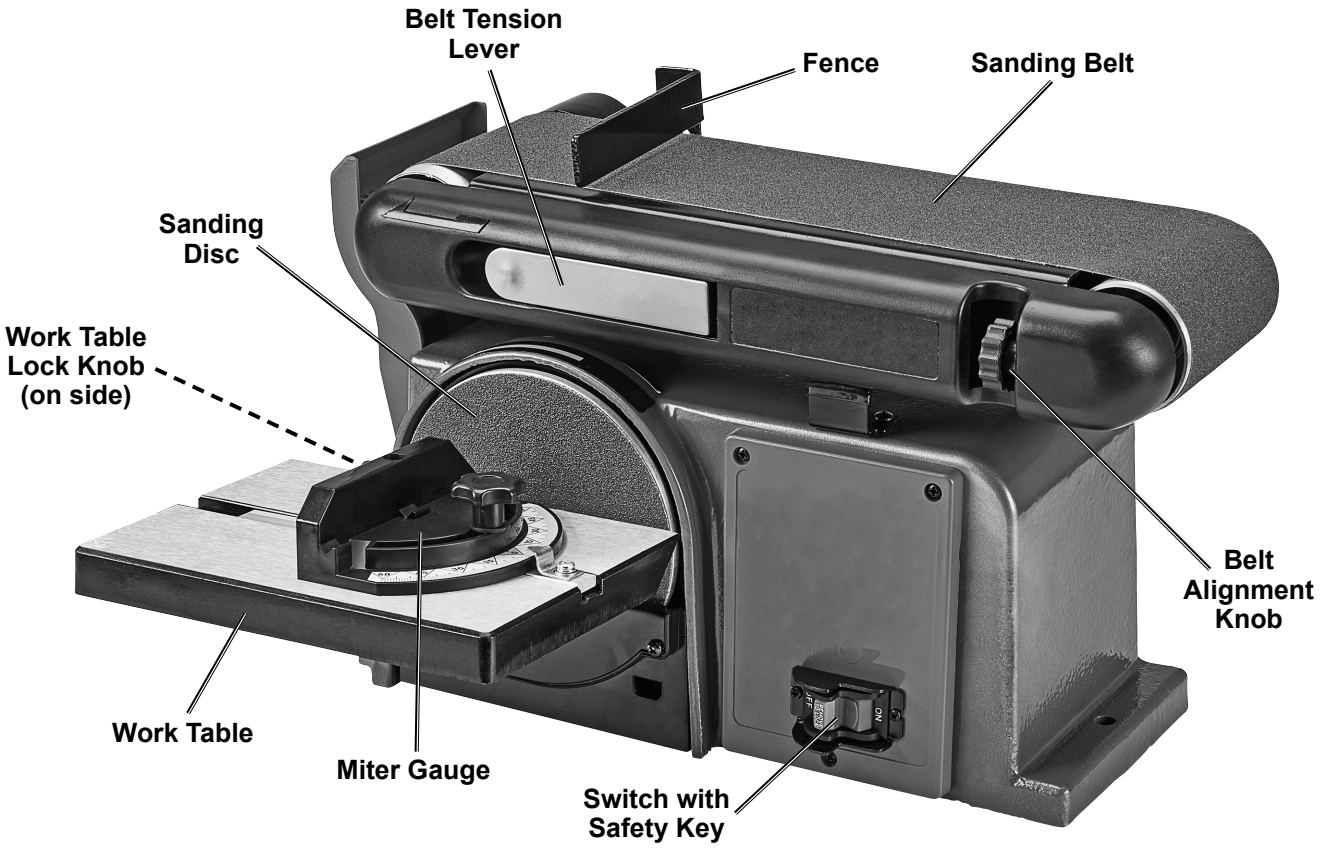
Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn the Power Switch of the tool off and unplug the tool from its electrical outlet before performing any procedure in this section.

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

Functions



Safety Switch

Insert the Safety Key into the Switch. This “Key” is a safety precaution and should remain in the Switch during use and be removed after Switch is turned off and/or any time the Belt/Disc Sander is left unattended or in storage.

Assembly/Mounting

Mounting Sander

1. Select a workbench or mounting location that is able to support the weight of the Sander, plus any additional weight placed on it during use.
2. Use the mounting bolt holes provided in the Base to mount the Sander to the mounting location before use. Mounting hardware not included.

Install Sanding Disc and Guard

1. Wipe down the Backing Disc with denatured alcohol to remove any residue and ensure a secure bond.
2. Remove backing from Sanding Disc (7).
3. Align perimeter of Sanding Disc over the Backing Disc and press Sanding Disc firmly onto the Backing Disc.
4. Position Disc Guard (6) against lower 1/3 of Sanding Disc, aligning slots in Guard with holes in Base. Fasten securely using two St4.2x10 Screws (5) and Star Washers (4). Refer to Figure A.

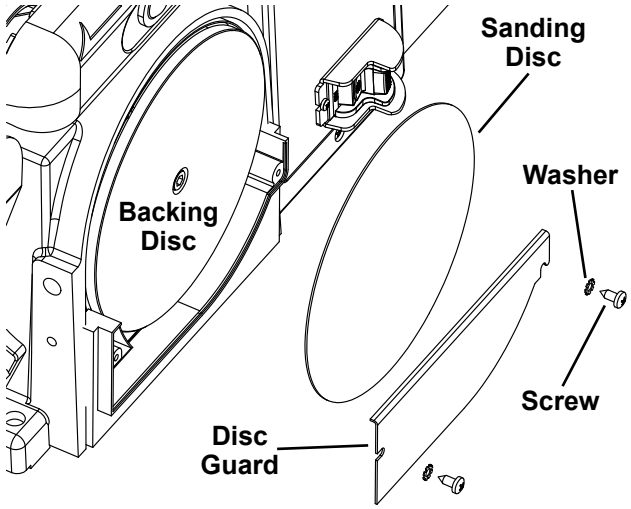


Figure A

Mounting Work Table

1. Hold the Work Table (35) in a horizontal position and insert the pivot pin on the Work Table Support into the pivot hole on the Sander Base. Hold in place.
2. Insert the Work Table Lock Knob (63) with Washer (32) into the threaded hole and tighten. Refer to Figure B.
3. Adjust the Table so the edge is a maximum of 1/16 inch from the Sanding Disc.

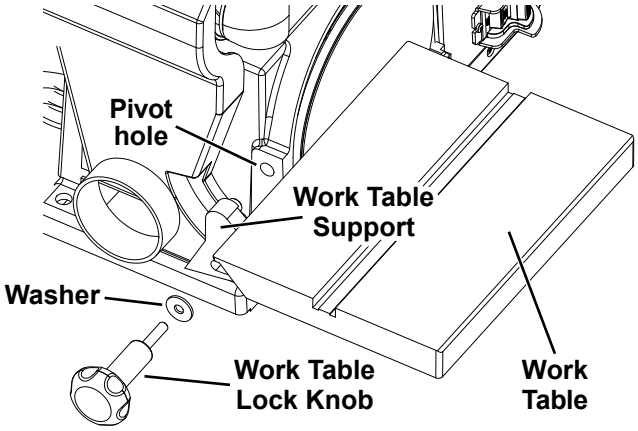


Figure B

Mounting Fence

1. The Fence (60) fits across the top of the Sanding Belt to prevent workpiece from moving to the rear when sanding.
2. Align two holes on the Fence with two Holes on the Belt Support Assembly (59).
3. Secure Fence in place using two M8x16 Set Screws and Washers (52). Refer to Figure C.

WARNING! TO PREVENT SERIOUS INJURY:
Adjust Fence height to avoid contact with Sanding Belt and allow free Belt movement.

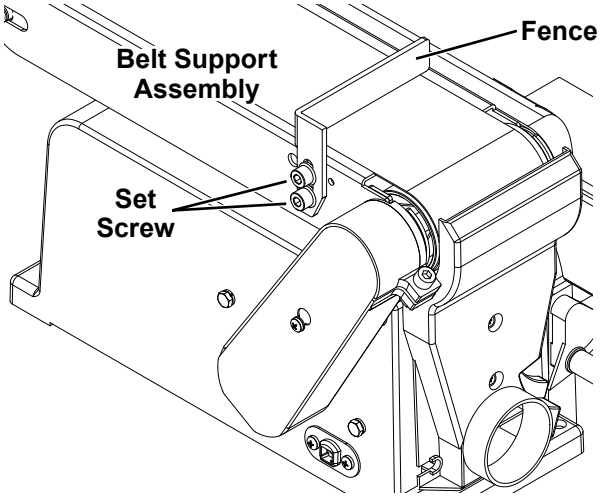


Figure C

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.

Tool Set Up

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn the Power Switch of the tool off and unplug the tool from its electrical outlet before performing any procedure in this section.

TO PREVENT SERIOUS INJURY:
DO NOT OPERATE WITH ANY GUARD DISABLED, DAMAGED, OR REMOVED.

Installing Sanding Belt

1. Loosen the Belt Support Locking Screw. Raise the Belt Support Assembly to 45° and tighten the Locking Screw.

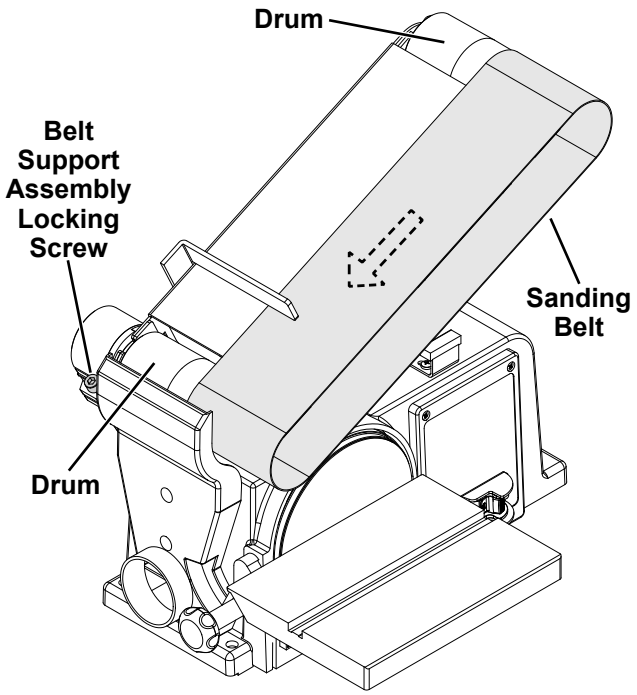


Figure D

2. Pull the Belt Tension Lever out to release the tension.
3. Slide the Sanding Belt onto the front and rear Drums with the directional arrows on the inside of the Belt pointing in the direction of rotation. Refer to Figure D.
4. Center the Belt correctly on both Drums. Push the Tension Lever back to tighten the Belt to the Belt Support Assembly.
5. Loosen the Belt Support Locking Screw, lower the Belt Support to its horizontal position and tighten the Locking Screw.

Adjusting Sanding Belt Tracking

1. Turn the Sander on, then immediately turn off.
2. The Belt should remain centered on the front and rear Drums. If the Belt starts moving to the side of either Drum, it needs to be adjusted.

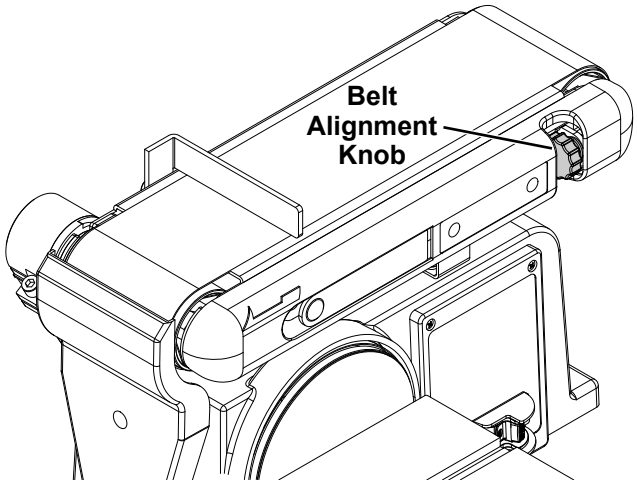


Figure E

3. If the Belt moves towards the front of the Sander, turn the Belt Alignment Knob slightly counterclockwise.
4. If the Belt moves towards the rear of the Sander, turn the Belt Alignment Knob slightly clockwise.
5. Turn the Sander on and immediately off again after adjustment to check alignment.
6. If necessary, continue to adjust the Belt Alignment Knob until the Belt rides in the center of the front and rear Drums.

Changing Belt Support Assembly Position

The Sanding Belt Support Assembly can be used in a horizontal or vertical position or at any angle in-between. To change the Belt Support position, do the following:

1. Loosen the Belt Support Locking Screw and raise the Belt Support Assembly to the desired vertical position/angle.

2. After positioning, wrench tighten the Locking Screw securely to prevent the Belt Support Assembly from slipping.

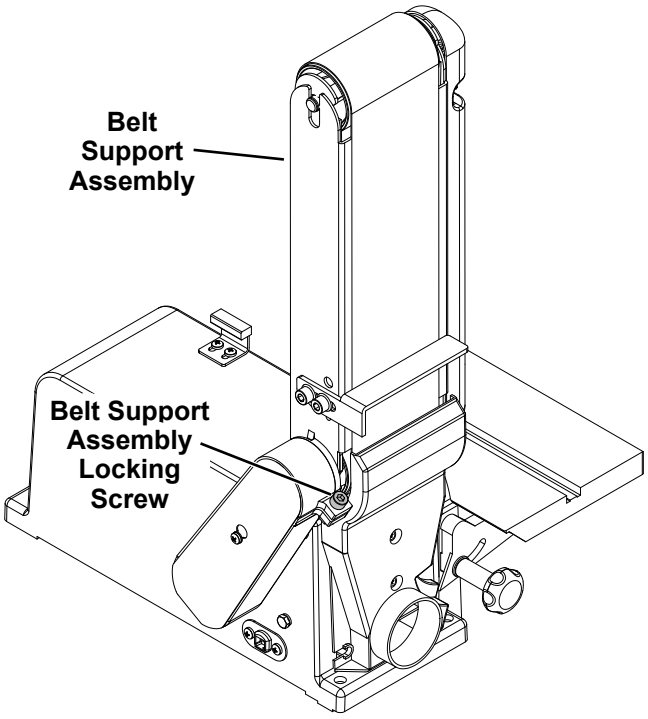


Figure F

Leveling the Work Table

For accurate end sanding the Work Table must be square to the Sanding Disc.

1. Place a combination square or framing square (not included) on the Table so that the square touches the Sanding Disc. If the Table is 90° to the Sanding Disc, the Table is level. Always maintain a maximum of 1/16" clearance between the Table and the Sanding Disc.

2. If the Table is not 90° to the Sanding Disc pad, loosen the Work Table Lock Knob and tilt the Table until it is square with the Sanding Disc. Tighten the Lock Knob.

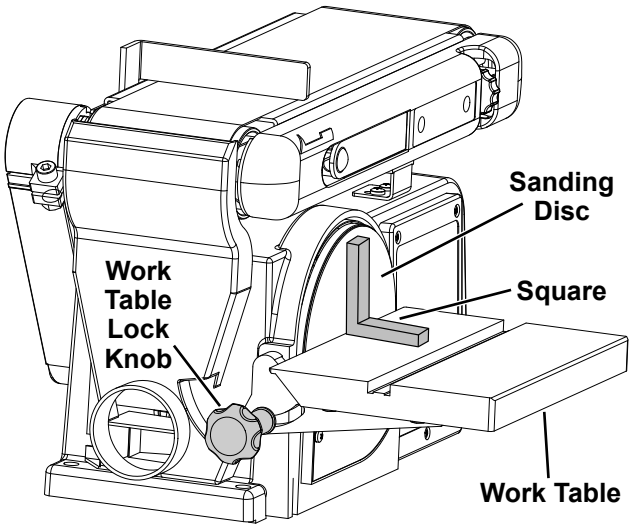


Figure G

Dust Collection Setup

To minimize dust, the Sander is equipped with a Dust Port for connecting to a dust collection system.

1. Connect a 2-1/2" dust collection hose from the Dust Collection Port to a shop vacuum or dust collection system (hose and system not included).

2. Periodically check the Dust Collection Port for sawdust buildup that would reduce the dust collection efficiency.

3. It is recommended to wear a dust mask or respirator even when using a dust collection system.

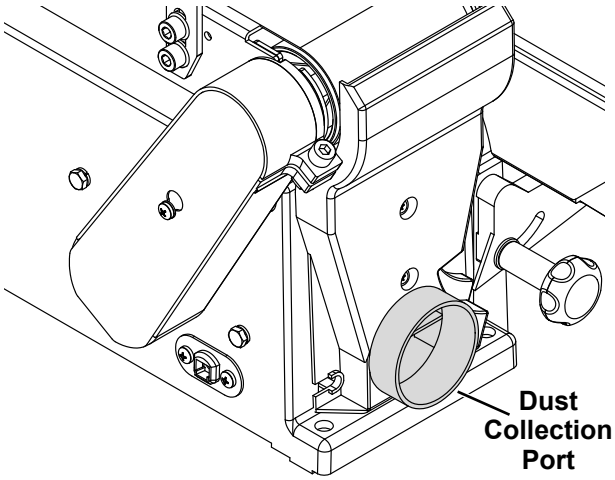


Figure H

Work Area Set Up

1. Designate a work area that is clean and well lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. There must not be objects, such as utility lines, nearby that will present a hazard while working.
3. Route the power cord along a safe route to reach the work area without creating a tripping hazard or exposing the power cord to possible damage. The power cord must reach the work area with enough extra length to allow free movement while working.

General Operating Instructions

1. Make sure that the Switch is in the off-position, then plug in the tool.
2. Insert Safety Key into Switch.
3. Make sure nothing is contacting the Sanding Disc or Belt, then turn on the Switch.
4. When using the Disc Sander, only use the LEFT side of the Sanding Disc (as you face it) to sand. The Sanding Disc turns counterclockwise and using the right side could cause kickback.
5. Use two hands and hold workpiece securely against the Fence/Work Table at all times. Press the workpiece against the Belt/Disc to start sanding. Keep the workpiece moving for a better finish.
6. Occasionally check the Sanding Belt and Sanding Disc for tears, wear, or fraying. Replace used or worn sanding belts or discs when necessary.
7. After use, turn off the tool, remove the Safety Key from the Switch, and disconnect from the power supply. Clean and store the tool indoors out of children's reach.

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

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn the Power Switch of the tool off and unplug the tool from its electrical outlet before performing any procedure in this section.

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 hardware
   - misalignment or binding of moving parts
   - cracked or broken parts
   - damaged electrical wiring
   - any other condition that may affect its safe operation.
2. **AFTER USE,** turn off the tool, remove the Safety Key from the Switch, and disconnect its power supply. Then, wipe external surfaces of the tool with clean cloth.
3. Apply a light coat of paste wax to the Work Table to make feeding material easier.
4. Periodically, wear ANSI-approved safety goggles and NIOSH-approved breathing protection and blow dust and debris out of the motor vents using dry compressed air.
5. The Bearings on this Sander are sealed and do not require lubrication.
6. **⚠WARNING! TO PREVENT SERIOUS INJURY: If the supply cord of this power tool is damaged, it must be replaced only by a qualified service technician.**

Sanding Disc Replacement

1. Remove the Work Table if it is mounted in front of the Sanding Disc.
2. Loosen the two St4.2x10 Screws (5) holding the Disc Guard (6) in place and remove the Guard.
3. Peel off old Sanding Disc.
4. Wipe down the Backing Disc with denatured alcohol to remove any residue and ensure a secure bond.
5. Remove backing from new Sanding Disc.
6. Align perimeter of new Sanding Disc over the Backing Disc and press Sanding Disc firmly onto the Backing Disc.
7. Replace the Disc Guard against the lower 1/3 of the Sanding Disc and fasten securely.

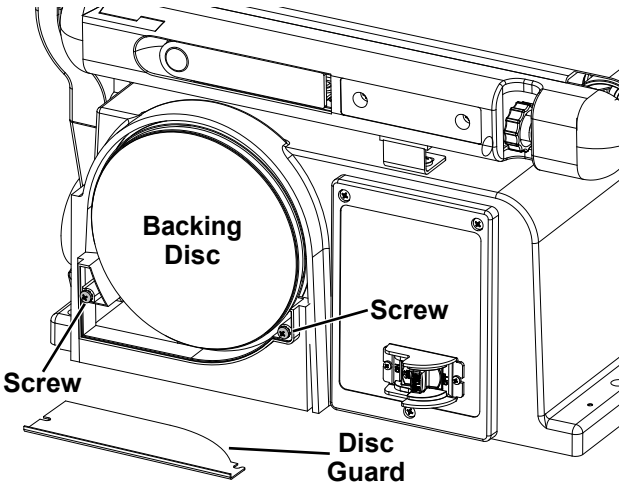


Figure I

Sanding Belt Replacement

1. Loosen the Belt Support Locking Screw. Raise the Belt Support Assembly to 45° and tighten the Locking Screw.
2. Pull the Belt Tension Lever out to release tension on the Sanding Belt.
3. Slide the old Sanding Belt off the front and rear Drums.
4. Slide a new 4"x36" Sanding Belt onto the front and rear Drums with the directional arrows on the inside of the Belt pointing in the direction of rotation as indicated on the tool.
5. Center the Belt correctly on both Drums. Push the Tension Lever back to tighten the Belt to the Belt Support Assembly.
6. Loosen the Belt Support Locking Screw, lower the Belt Support to its horizontal position and tighten the Locking Screw.
7. Before using, check the new Sanding Belt for alignment. Refer to *Adjusting Sanding Belt Tracking* on page 8.

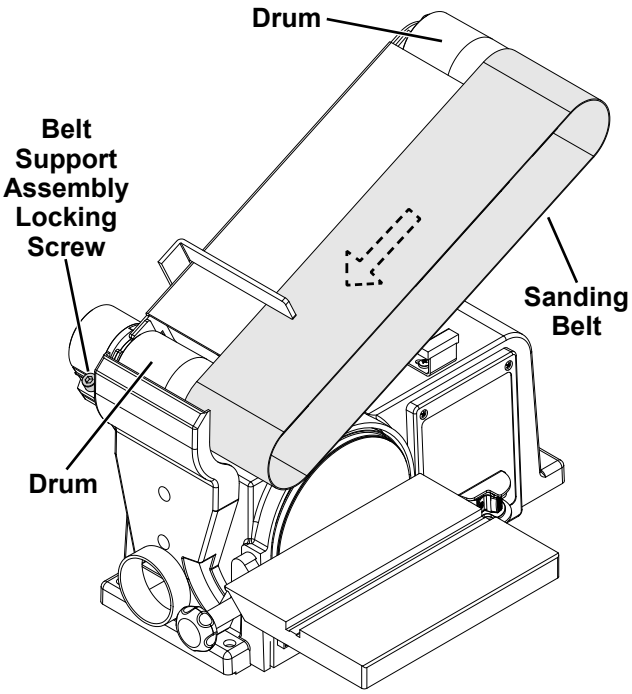


Figure J

Drive Belt Replacement/Tensioning

1. Loosen the M5x25 Screw (66) securing the Drive Belt Housing Cover (67). Lift the Cover up over the screw and remove it.
2. Once the Cover is removed, the Drive Belt (70) is accessible.
3. Loosen the three Phillips-head screws securing the Drive Belt Housing to the Sander body.
4. Loosen the Tensioning Screw at the bottom of the Drive Belt Housing by turning counterclockwise to release tension on the Drive Belt.
5. Remove the old Drive Belt. Place the new Drive Belt onto the Pulleys, making sure the Belt is properly seated in the grooves of both Pulleys.
6. Tighten the Drive Belt by turning the Tensioning Screw at the bottom of the Drive Belt Housing clockwise.
7. Tighten the three Phillips-head screws securing the Drive Belt Housing.
8. Check Drive Belt tension by squeezing both sides of the Belt toward each other. When properly adjusted, the Belt should deflect anywhere from 1/8 to 1/4 inch. Make sure the Belt is properly seated in the grooves of both Pulleys.
9. Replace the Drive Belt Housing Cover and tighten the Screw securely.

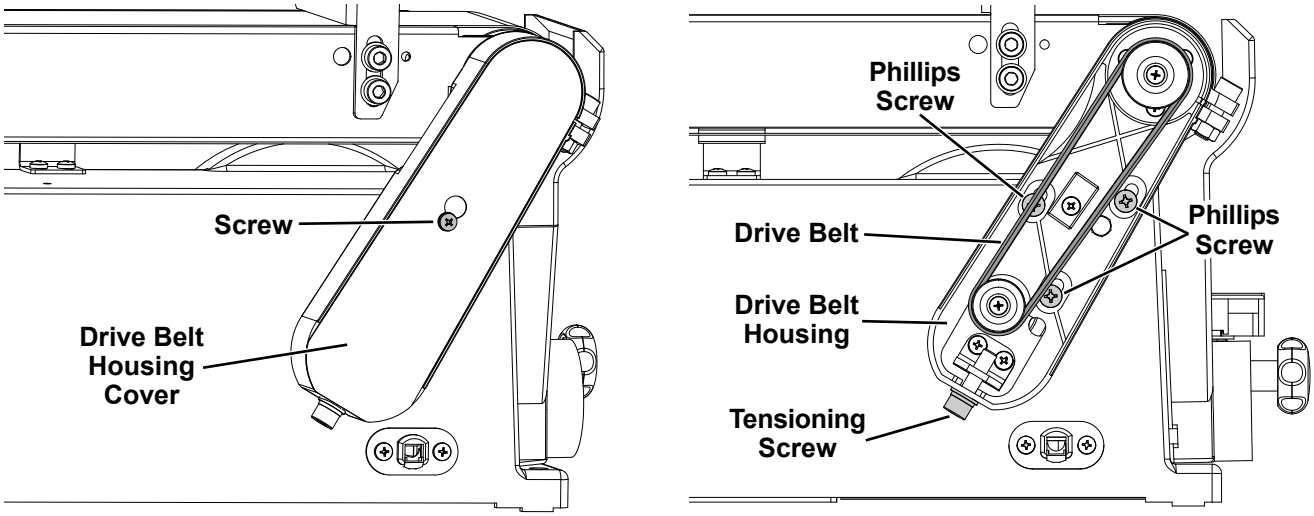


Figure K

Troubleshooting

Problem	Possible Causes	Likely Solutions
Belt/Disc Sander does not turn on	1. Not plugged in. 2. No power at outlet. 3. Safety Key not inserted into Switch. 4. Switch is not turned ON.	1. Plug in Sander. 2. Check power at outlet and/or circuit breaker. 3. Insert Safety Key into Switch. 4. Turn on the Switch.
Motor slows when sanding	1. Drive Belt too tight. 2. Applying too much pressure while sanding.	1. Have the Drive Belt adjusted by a qualified technician. 2. Use less pressure.
Wood burns while sanding	1. Sanding Disc or Belt may be loaded with dirt or debris. 2. Applying too much pressure while sanding.	1. Clean or replace Disc or Belt using instructions in this manual. 2. Use less pressure.

Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.

Parts List

Part	Description	Qty
1	Screw M4x6	4
2	Base Plate	1
3	Screw M4x8	3
4	Star Washer Φ4	3
5	Screw St4.2x10	2
6	Disc Guard	1
7	Sanding Disc	1
8	Hex Socket Screw M6x16	1
9	Backing Disc	1
10	Disc Cover	1
11	Switch Box	1
12	Screw M5x8	8
13	Screw M5x25	3
14	Belt Tension Handle	1
15	Sleeve	1
16	Screw M5x16	1
17	Base	1
18	Cord Clip 6p4	1
19	Wire Box Cover	1
20	Screw St2.9x30	1
21	Relay	1
22	Extension Spring	1
23	Cotter Pin 1.6x10	1
24	Pin 5x10	1
25	Screw M5x8	1
26	Screw M4x12	3
27	Nut M4	1
28	Capacitor 100uf/125v	1
29	Capacitor Bracket	1
30	Screw M4x12	1
31	Hex Bolt M6x12	3
32	Flat Washer Φ6	3
33	Work Table Support	1
34	Miter Gauge Knob	1
35	Work Table	1
36	Miter Rod	1
37	Scale Pointer	1
38	Miter Gauge	1
39	Switch	1
40	Compression Spring	1
41	Bushing	2
42	Adjusting Bracket	1
43	Circlip D12	2
44	Bearing 6001-2RS	4
45	Idle Pulley Drum	1
46	Idle Shaft	1
47	Screw M5x25	2

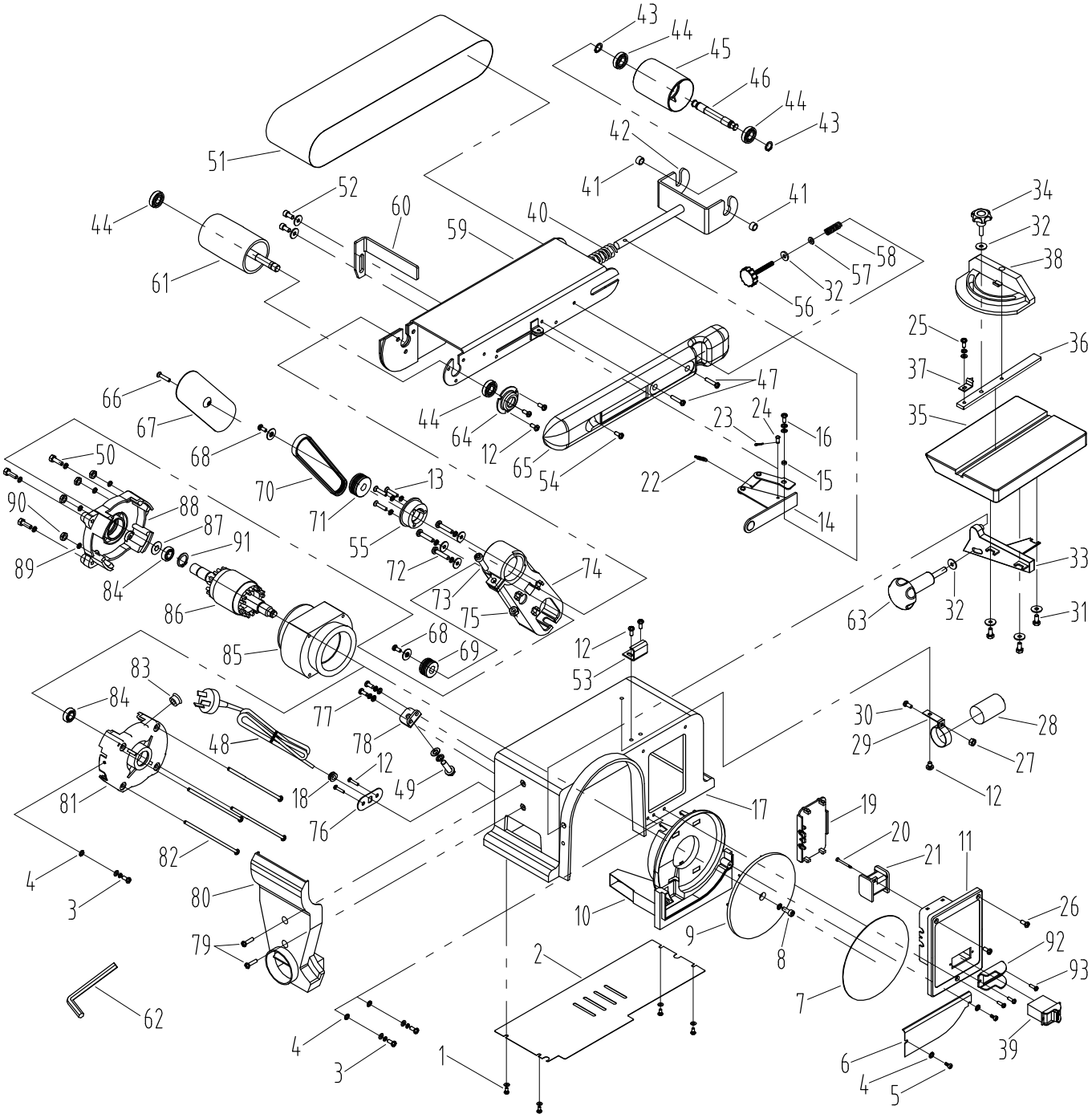
Part	Description	Qty
48	Power Cord	1
49	Hex Socket Screw M8x30	1
50	Hex Bolt M6x20	3
51	Sanding Belt	1
52	Set Screw M8x16/Washer	2
53	Bracket	1
54	Screw M5x16	1
55	Bearing Housing	1
56	Belt Alignment Knob	1
57	Rubber Washer	1
58	Spring	1
59	Belt Support Assembly	1
60	Fence	1
61	Drive Pulley Drum	1
62	Hex Wrench M6x90x32	1
63	Work Table Lock Knob	1
64	Bearing Cap	1
65	Support Cover	1
66	Screw M5x25	1
67	Drive Belt Housing Cover	1
68	Screw M5x16	2
69	Motor Arbor Wheel	1
70	Drive Belt	1
71	Idle Pulley	1
72	Screw M6x25	3
73	Hex Bolt M8x25	1
74	Drive Belt Housing	1
75	Nut M8	1
76	Power Cord Plate	1
77	Screw M5x12	2
78	Pulley Cover Support Bracket	1
79	Screw M5x20	2
80	Belt End Cover	1
81	Front Motor Housing	1
82	Screw M6x113	4
83	Retainer	1
84	Bearing 6003-2RS	2
85	Stator	1
86	Rotor	1
87	Wave Washer Φ35	1
88	Rear Motor Housing	1
89	Spring Washer Φ6	4
90	Nut M6	4
91	Circlip D17	1
92	Switch Bracket	1
93	Screw M3x10	2

Record Product's Serial Number Here:_____

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

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts. Specify UPC 193175556653 when ordering parts.

Assembly Diagram



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.

Limited 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 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.

Bauer™

26677 Agoura Road • Calabasas, CA 91302 • 1-888-866-5797