

Grizzly **Industrial, Inc.**®

MODEL G0839P **POLAR BEAR SERIES™** **6" X 79" EDGE SANDER** **OWNER'S MANUAL** *(For models manufactured since 04/18)*



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WARNING!

This manual provides critical safety instructions on the proper setup, operation, maintenance, and service of this machine/tool. Save this document, refer to it often, and use it to instruct other operators.

Failure to read, understand and follow the instructions in this manual may result in fire or serious personal injury—including amputation, electrocution, or death.

The owner of this machine/tool is solely responsible for its safe use. This responsibility includes but is not limited to proper installation in a safe environment, personnel training and usage authorization, proper inspection and maintenance, manual availability and comprehension, application of safety devices, cutting/sanding/grinding tool integrity, and the usage of personal protective equipment.

The manufacturer will not be held liable for injury or property damage from negligence, improper training, machine modifications or misuse.



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, cement and 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.

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INTRODUCTION

Contact Info

We stand behind our machines! If you have questions or need help, contact us with the information below. Before contacting, make sure you get the **serial number** and **manufacture date** from the machine ID label. This will help us help you faster.

Grizzly Technical Support
1815 W. Battlefield
Springfield, MO 65807
Phone: (570) 546-9663
Email: techsupport@grizzly.com

We want your feedback on this manual. What did you like about it? Where could it be improved? Please take a few minutes to give us feedback.

Grizzly Documentation Manager
P.O. Box 2069
Bellingham, WA 98227-2069
Email: manuals@grizzly.com


Manual Accuracy

We are proud to provide a high-quality owner's manual with your new machine!

We made every effort to be exact with the instructions, specifications, drawings, and photographs in this manual. Sometimes we make mistakes, but our policy of continuous improvement also means that **sometimes the machine you receive is slightly different than shown in the manual.**

If you find this to be the case, and the difference between the manual and machine leaves you confused or unsure about something, check our website for an updated version. We post current manuals and manual updates for free on our website at www.grizzly.com.

Alternatively, you can call our Technical Support for help. Before calling, make sure you write down the **Manufacture Date** and **Serial Number** from the machine ID label (see below). This information is required for us to provide proper tech support, and it helps us determine if updated documentation is available for your machine.

		MODEL GXXXX MACHINE NAME	
SPECIFICATIONS		▲ WARNING!	
Motor:		To reduce risk of serious injury when using this machine:	
Specification:		1. Read manual before operation.	
Specification:		2. Wear safety glasses and respirator.	
Specification:		3. Make sure safety glasses and respirator are properly adjusted/setup and	
Specification:		4. power is connected to grounded circuit before starting.	
Weight:		5. Make sure the motor has stopped and disconnect power before adjustments, maintenance, or service.	
		6. DO NOT expose to rain or dampness.	
		7. DO NOT modify this machine in any way.	
		8. Make sure power is disconnected.	
		9. Do not use while under the influence of drugs or alcohol.	
		10. Maintain machine carefully to prevent accidents.	
		Manufactured for Grizzly in Taiwan	

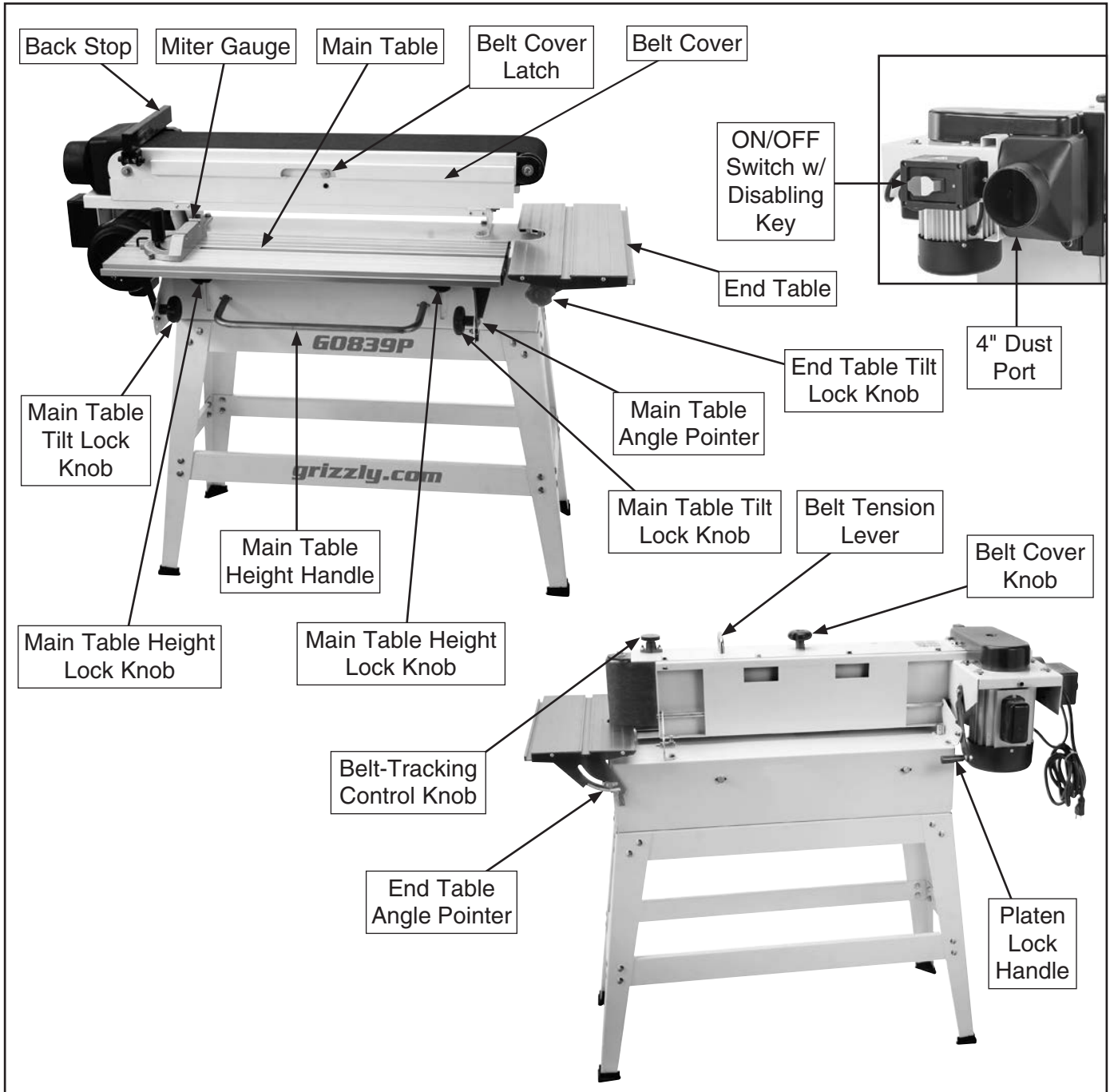
Manufacture Date

Serial Number



Identification

Become familiar with the names and locations of the controls and features shown below to better understand the instructions in this manual.

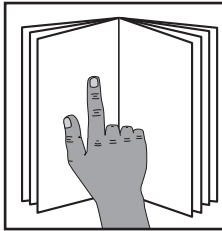


WARNING

Like all machinery there is potential danger when operating this machine. Accidents are frequently caused by lack of familiarity or failure to pay attention. Use this machine with respect and caution to decrease the risk of operator injury. If normal safety precautions are overlooked or ignored, serious personal injury may occur.



Controls & Components



!WARNING

To reduce your risk of serious injury, read this entire manual **BEFORE** using machine.

Refer to the following figures and descriptions to become familiar with the basic controls and components of this machine. Understanding these items and how they work will help you understand the rest of the manual and minimize your risk of injury when operating this machine.

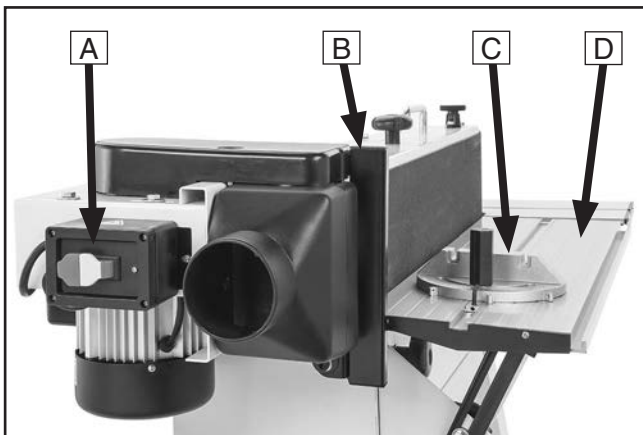


Figure 1. Controls and components (side).

- A. ON/OFF Switch w/Disabling Key:** Turns motor **ON** and **OFF**. Remove yellow key to disable switch.
- B. Back Stop:** Supports workpiece during edge-, end-, and face-sanding operations.
- C. Miter Gauge:** Supports workpiece for angle-sanding operations.
- D. Main Table:** Used for edge/end sanding operations. Raises or lowers to allow sanding against full width of sanding belt to maximize usability of each belt. Table also tilts for bevel sanding.

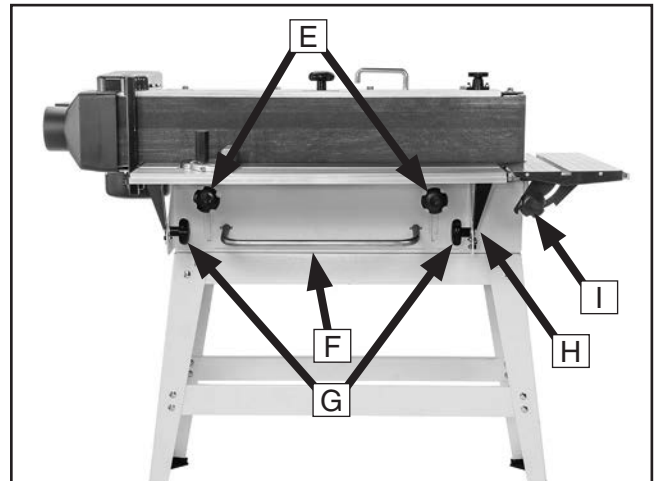


Figure 2. Controls and components (front).

- E. Main Table Height Lock Knobs:** Tighten to secure main table height position; loosen to adjust main table height.
- F. Main Table Height Handle:** Use to raise and lower main table up and down.
- G. Main Table Tilt Lock Knobs:** Tighten to secure main table angle; loosen to adjust main table angle.
- H. Main Table Angle Pointer:** Shows angle of main table tilt.
- I. End Table Tilt Lock Knob:** Tighten to secure end table angle; loosen to adjust end table angle.



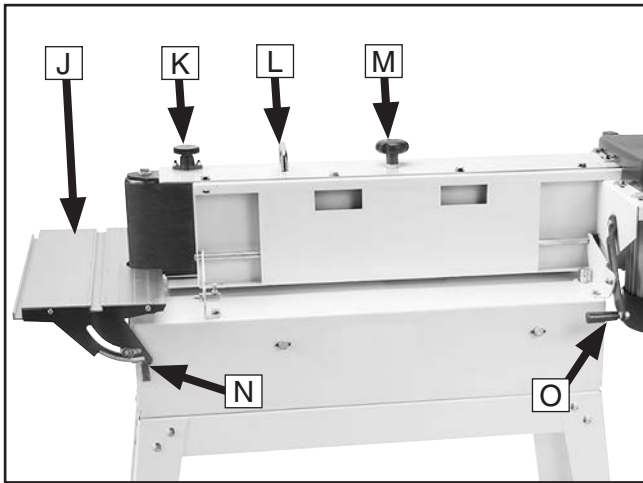


Figure 3. Controls and components (rear).

- J. End Table:** Used for contour-sanding operations. Table also tilts for bevel sanding.
- K. Belt-Tracking Control Knob:** Adjusts alignment (tracking) of sanding belt (refer to **Page 25** for more information).
- L. Belt Tensioning Lever:** Releases belt tension when removing/replacing sanding belt.
- M. Belt Cover Knob:** Use to engage/disengage belt cover latch.
- N. End Table Scale Pointer:** Shows angle of end table tilt.
- O. Platen Lock Handle :** Secures platen assembly in vertical position for edge and end sanding, and in horizontal position for face sanding and sanding belt removal/replacement.

!WARNING

Like all machinery there is potential danger when operating this machine. Accidents are frequently caused by lack of familiarity or failure to pay attention. Use this machine with respect and caution to decrease the risk of operator injury. If normal safety precautions are overlooked or ignored, serious personal injury may occur.

!WARNING

No list of safety guidelines can be complete. Every shop environment is different. Always consider safety first, as it applies to your individual working conditions. Use this and other machinery with caution and respect. Failure to do so could result in serious personal injury, damage to equipment, or poor work results.





MACHINE DATA SHEET

Customer Service #: (570) 546-9663 · To Order Call: (800) 523-4777 · Fax #: (800) 438-5901

MODEL G0839P 6" X 79" EDGE SANDER - POLAR BEAR SERIES

Product Dimensions:

Weight..... 190 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 51 x 23-1/2 x 40 in.
Footprint (Length x Width)..... 37 x 16-1/2 in.

Shipping Dimensions:

Type..... Cardboard Box
Content..... Machine
Weight..... 199 lbs.
Length x Width x Height..... 41 x 21 x 16 in.
Must Ship Upright..... Yes

Electrical:

Power Requirement..... 110V or 220V, Single-Phase, 60Hz
Prewired Voltage..... 110V
Full-Load Current Rating..... 14A at 110V, 7A at 220V
Minimum Circuit Size..... 20A at 110V, 15A at 220V
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 6 ft.
Power Cord Gauge..... 14 AWG
Plug Included..... Yes
Included Plug Type..... NEMA 5-15
Recommended Plug Type..... NEMA 6-15 for 220V
Switch Type..... Safety Paddle Switch w/Removable Key

Motors:

Main

Horsepower..... 1.5 HP
Phase..... Single-Phase
Amps..... 14A/7A
Speed..... 3350 RPM
Type..... TEFC Capacitor-Start Induction
Power Transfer..... Belt Drive
Bearings..... Sealed & Permanently Lubricated

Main Specifications:

Operation Information

Sanding Belt Speed..... 2600 FPM
Sanding Belt Length..... 79 in.
Sanding Belt Width..... 6 in.
Sanding Belt Tilt..... 0, 90 deg.



Table Information

Table Length.....	31-1/4 in.
Table Width.....	9-3/8 in.
Table Thickness.....	1/4 in.
Table Tilt.....	0-45 deg.
Table Travel.....	3-1/2 in.
Floor To Table Height.....	31-1/4 - 34-3/4 in.
End Table Length.....	20-5/8 in.
End Table Width.....	9-3/8 in.
End Table Thickness.....	1/4 in.

Platen Information

Platen Type.....	Graphite Coated
Platen Length.....	32-1/4 in.
Platen Width.....	5-7/8 in.

Construction

Table.....	Aluminum
Frame.....	Steel
Base.....	Steel
Drive Roller.....	Steel
Idler Roller.....	Steel
Miter Block.....	Aluminum
Paint Type/Finish.....	Powder Coated

Other Related Information

Number of Dust Ports.....	1
Dust Port Size.....	4 in.
Belt Release.....	Quick Release
Drive Roller Size.....	3-15/16 in.
Idler Roller Size.....	2-3/4 in.

Other Specifications:

Country of Origin	China
Warranty	1 Year
Approximate Assembly & Setup Time	30 Minutes
Serial Number Location	ID Label
Sound Rating	82 dB
ISO 9001 Factory	Yes

Features:

- Edge Table Tilt Range 0 to 45 Deg.
- End Table Tilt Range 0 to 45 Deg.
- 90 Deg. Sanding Belt Tilt
- Graphite-Coated Platen
- Quick Belt Release
- Conveniently Located Belt Tracking Adjustment
- 3/4" T-Slots in Edge Table and End Table

Accessories Included:


- Aluminum Miter Gauge




SECTION 1: SAFETY

For Your Own Safety, Read Instruction Manual Before Operating This Machine

The purpose of safety symbols is to attract your attention to possible hazardous conditions. This manual uses a series of symbols and signal words intended to convey the level of importance of the safety messages. The progression of symbols is described below. Remember that safety messages by themselves do not eliminate danger and are not a substitute for proper accident prevention measures. Always use common sense and good judgment.

 **DANGER** Indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.

 **WARNING** Indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.

 **CAUTION** Indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury. It may also be used to alert against unsafe practices.

NOTICE Alerts the user to useful information about proper operation of the machine to avoid machine damage.

Safety Instructions for Machinery

WARNING

OWNER'S MANUAL. Read and understand this owner's manual **BEFORE** using machine.

TRAINED OPERATORS ONLY. Untrained operators have a higher risk of being hurt or killed. Only allow trained/supervised people to use this machine. When machine is not being used, disconnect power, remove switch keys, or lock-out machine to prevent unauthorized use—especially around children. Make your workshop kid proof!

DANGEROUS ENVIRONMENTS. Do not use machinery in areas that are wet, cluttered, or have poor lighting. Operating machinery in these areas greatly increases the risk of accidents and injury.

MENTAL ALERTNESS REQUIRED. Full mental alertness is required for safe operation of machinery. Never operate under the influence of drugs or alcohol, when tired, or when distracted.

ELECTRICAL EQUIPMENT INJURY RISKS. You can be shocked, burned, or killed by touching live electrical components or improperly grounded machinery. To reduce this risk, only allow qualified service personnel to do electrical installation or repair work, and always disconnect power before accessing or exposing electrical equipment.

DISCONNECT POWER FIRST. Always disconnect machine from power supply **BEFORE** making adjustments, changing tooling, or servicing machine. This prevents an injury risk from unintended startup or contact with live electrical components.

EYE PROTECTION. Always wear ANSI-approved safety glasses or a face shield when operating or observing machinery to reduce the risk of eye injury or blindness from flying particles. Everyday eyeglasses are **NOT** approved safety glasses.



WARNING

WEARING PROPER APPAREL. Do not wear clothing, apparel or jewelry that can become entangled in moving parts. Always tie back or cover long hair. Wear non-slip footwear to reduce risk of slipping and losing control or accidentally contacting cutting tool or moving parts.

HAZARDOUS DUST. Dust created by machinery operations may cause cancer, birth defects, or long-term respiratory damage. Be aware of dust hazards associated with each workpiece material. Always wear a NIOSH-approved respirator to reduce your risk.

HEARING PROTECTION. Always wear hearing protection when operating or observing loud machinery. Extended exposure to this noise without hearing protection can cause permanent hearing loss.

REMOVE ADJUSTING TOOLS. Tools left on machinery can become dangerous projectiles upon startup. Never leave chuck keys, wrenches, or any other tools on machine. Always verify removal before starting!

USE CORRECT TOOL FOR THE JOB. Only use this tool for its intended purpose—do not force it or an attachment to do a job for which it was not designed. Never make unapproved modifications—modifying tool or using it differently than intended may result in malfunction or mechanical failure that can lead to personal injury or death!

AWKWARD POSITIONS. Keep proper footing and balance at all times when operating machine. Do not overreach! Avoid awkward hand positions that make workpiece control difficult or increase the risk of accidental injury.

CHILDREN & BYSTANDERS. Keep children and bystanders at a safe distance from the work area. Stop using machine if they become a distraction.

GUARDS & COVERS. Guards and covers reduce accidental contact with moving parts or flying debris. Make sure they are properly installed, undamaged, and working correctly BEFORE operating machine.

FORCING MACHINERY. Do not force machine. It will do the job safer and better at the rate for which it was designed.

NEVER STAND ON MACHINE. Serious injury may occur if machine is tipped or if the cutting tool is unintentionally contacted.

STABLE MACHINE. Unexpected movement during operation greatly increases risk of injury or loss of control. Before starting, verify machine is stable and mobile base (if used) is locked.

USE RECOMMENDED ACCESSORIES. Consult this owner's manual or the manufacturer for recommended accessories. Using improper accessories will increase the risk of serious injury.

UNATTENDED OPERATION. To reduce the risk of accidental injury, turn machine **OFF** and ensure all moving parts completely stop before walking away. Never leave machine running while unattended.

MAINTAIN WITH CARE. Follow all maintenance instructions and lubrication schedules to keep machine in good working condition. A machine that is improperly maintained could malfunction, leading to serious personal injury or death.

DAMAGED PARTS. Regularly inspect machine for damaged, loose, or mis-adjusted parts—or any condition that could affect safe operation. Immediately repair/replace BEFORE operating machine. For your own safety, DO NOT operate machine with damaged parts!

MAINTAIN POWER CORDS. When disconnecting cord-connected machines from power, grab and pull the plug—NOT the cord. Pulling the cord may damage the wires inside. Do not handle cord/plug with wet hands. Avoid cord damage by keeping it away from heated surfaces, high traffic areas, harsh chemicals, and wet/damp locations.

EXPERIENCING DIFFICULTIES. If at any time you experience difficulties performing the intended operation, stop using the machine! Contact our Technical Support at (570) 546-9663.



Additional Safety for Edge Sanders

WARNING

Serious injury or death can occur if fingers, clothing, jewelry, or hair get entangled in moving components. Impact injuries can occur from kickback if workpiece is improperly fed into moving sandpaper. Serious pinch injuries can occur from touching in-running nip point between table and sanding surface. Long-term respiratory damage can occur from using sander without proper use of a respirator. To reduce the risk of these hazards, operator and bystanders MUST completely heed the hazards and warnings below.

AVOIDING ENTANGLEMENT. Becoming entangled in moving parts of this machine can cause pinching and crushing injuries. To avoid these hazards, DO NOT wear loose clothing, gloves, or jewelry, and tie back long hair. Keep all guards in place and secure.

IN-RUNNING NIP POINTS. The gap between moving sandpaper and fixed table/support creates a pinch point for fingers or workpieces; the larger this gap is, the greater risk of fingers or workpieces getting caught in it. Minimize this risk by adjusting table no more than $\frac{1}{16}$ " away from sandpaper.

SANDPAPER DIRECTION. Feeding workpiece incorrectly can cause it to be thrown from machine, striking operator or bystanders, or causing your hands to slip into the moving sandpaper. To reduce these risks, only sand against direction of sandpaper travel, ensure workpiece is properly supported, and avoid introducing sharp edges into moving sandpaper on leading side of workpiece.

WORKPIECE SUPPORT & HAND PLACEMENT. Rotating sandpaper can remove a large amount of skin quickly, and kickback can occur with violent force if workpiece is not properly supported during operation. Always sand with workpiece firmly against table or another support device. Never touch moving sandpaper on purpose.

WORKPIECE INTEGRITY. Only sand solid workpieces that can withstand power sanding forces. Make sure shape of workpiece is properly supported on table; avoid sanding workpieces without flat bottom surfaces unless some type of jig is used to maintain support and control when sanding force is applied.

FEEDING WORKPIECE. Forcefully jamming workpiece into sanding surface could cause workpiece to be aggressively grabbed and pull your hands into sanding surface. Firmly grasp workpiece in both hands and ease it into sandpaper using light pressure.

SMALL WORKPIECES. Small workpieces are difficult to control and require close support near sanding surface. Always use a jig or other holding device when sanding small workpieces, and keep hands and fingers at least 2" away from sanding surface.

WORKPIECE INSPECTION. Nails, staples, knots, or other imperfections in workpiece can be dislodged and thrown from sander at high rate of speed into operator or bystanders, or cause damage to sandpaper or sander. Never try to sand stock that has embedded foreign objects or questionable imperfections.

SANDPAPER CONDITION. Worn or damaged sandpaper not only produces poor sanding results, but could fly apart, aggressively grab workpiece, and throw debris at the operator. Always inspect sandpaper before operation and replace if worn or damaged.

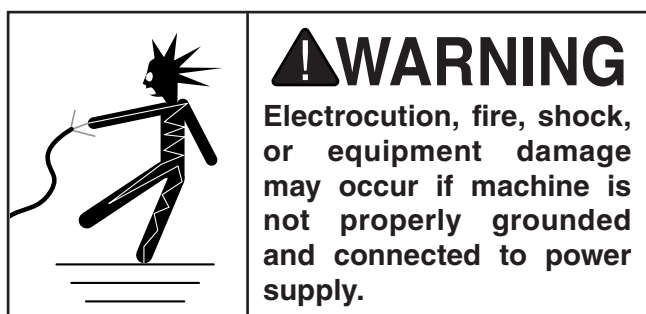
SANDING DUST & DUST COLLECTION. Sanding creates large amounts of dust and flying particles that can lead to eye injury or respiratory illness. Reduce risk by wearing approved eye and respiratory protection when using sander. Never operate without adequate dust-collection system in place and running. Proper dust collection reduces dust in work area, decreasing risk of long-term respiratory damage, but it is not a substitute for using a respirator.



SECTION 2: POWER SUPPLY

Availability

Before installing the machine, consider the availability and proximity of the required power supply circuit. If an existing circuit does not meet the requirements for this machine, a new circuit must be installed. To minimize the risk of electrocution, fire, or equipment damage, installation work and electrical wiring must be done by an electrician or qualified service personnel in accordance with all applicable codes and standards.



Full-Load Current Rating

The full-load current rating is the amperage a machine draws at 100% of the rated output power. On machines with multiple motors, this is the amperage drawn by the largest motor or sum of all motors and electrical devices that might operate at one time during normal operations.

Full-Load Current Rating at 110V..... 14 Amps

Full-Load Current Rating at 220V 7 Amps

The full-load current is not the maximum amount of amps that the machine will draw. If the machine is overloaded, it will draw additional amps beyond the full-load rating.

If the machine is overloaded for a sufficient length of time, damage, overheating, or fire may result—especially if connected to an undersized circuit. To reduce the risk of these hazards, avoid overloading the machine during operation and make sure it is connected to a power supply circuit that meets the specified circuit requirements.

Circuit Information

A power supply circuit includes all electrical equipment between the breaker box or fuse panel in the building and the machine. The power supply circuit used for this machine must be sized to safely handle the full-load current drawn from the machine for an extended period of time. (If this machine is connected to a circuit protected by fuses, use a time delay fuse marked D.)



Note: *Circuit requirements in this manual apply to a dedicated circuit—where only one machine will be running on the circuit at a time. If machine will be connected to a shared circuit where multiple machines may be running at the same time, consult an electrician or qualified service personnel to ensure circuit is properly sized for safe operation.*

Circuit Requirements for 110V

This machine is prewired to operate on a power supply circuit that has a verified ground and meets the following requirements:

Nominal Voltage 110V, 115V, 120V
Cycle 60 Hz
Phase Single-Phase
Power Supply Circuit 20 Amps
Plug/Receptacle NEMA 5-15

Circuit Requirements for 220V

This machine can be converted to operate on a power supply circuit that has a verified ground and meets the requirements listed below. (Refer to **Voltage Conversion** instructions for details.)

Nominal Voltage 208V, 220V, 230V, 240V
Cycle 60 Hz
Phase Single-Phase
Power Supply Circuit 15 Amps
Plug/Receptacle NEMA 6-15



Grounding Requirements

This machine **MUST** be grounded. In the event of certain malfunctions or breakdowns, grounding reduces the risk of electric shock by providing a path of least resistance for electric current.

For 110V operation: This machine is equipped with a power cord that has an equipment-grounding wire and a grounding plug (see following figure). The plug must only be inserted into a matching receptacle (outlet) that is properly installed and grounded in accordance with all local codes and ordinances.

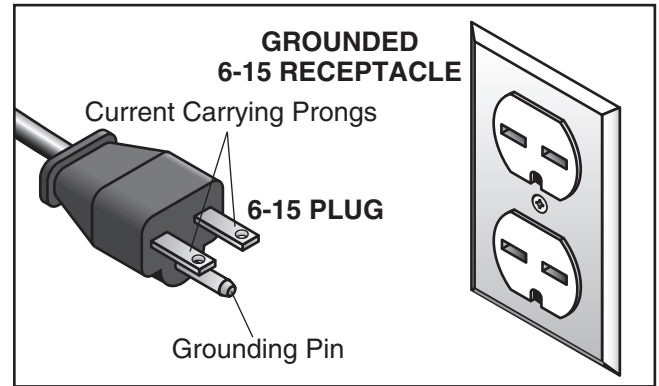


Figure 5. Typical 6-15 plug and receptacle.

Improper connection of the equipment-grounding wire can result in a risk of electric shock. The wire with green insulation (with or without yellow stripes) is the equipment-grounding wire. If repair or replacement of the power cord or plug is necessary, do not connect the equipment-grounding wire to a live (current carrying) terminal.

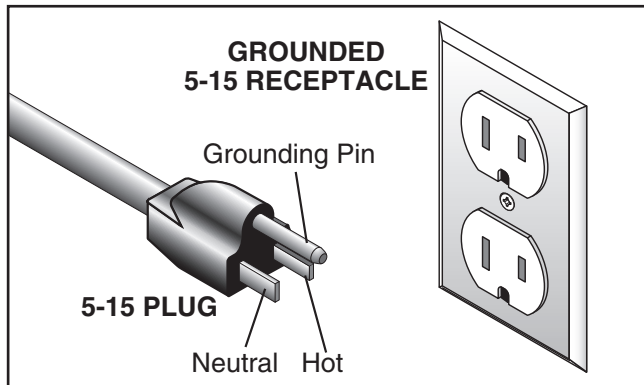


Figure 4. Typical 5-15 plug and receptacle.

Check with a qualified electrician or service personnel if you do not understand these grounding requirements, or if you are in doubt about whether the tool is properly grounded. If you ever notice that a cord or plug is damaged or worn, disconnect it from power, and immediately replace it with a new one.

⚠ CAUTION

SHOCK HAZARD!

Two-prong outlets do not meet the grounding requirements for this machine. Do not modify or use an adapter on the plug provided—if it will not fit the outlet, have a qualified electrician install the proper outlet with a verified ground.

Extension Cords

We do not recommend using an extension cord with this machine. If you must use an extension cord, only use it if absolutely necessary and only on a temporary basis.

Extension cords cause voltage drop, which can damage electrical components and shorten motor life. Voltage drop increases as the extension cord size gets longer and the gauge size gets smaller (higher gauge numbers indicate smaller sizes).

Any extension cord used with this machine must be in good condition and contain a ground wire and matching plug/receptacle. Additionally, it must meet the following size requirements:

Minimum Gauge Size12 AWG
Maximum Length (Shorter is Better).....50 ft.

For 220V operation: The plug specified under “Circuit Requirements for 220V” on the previous page has a grounding prong that must be attached to the equipment-grounding wire on the included power cord. The plug must only be inserted into a matching receptacle (see following figure) that is properly installed and grounded in accordance with all local codes and ordinances.



Converting Voltage to 220V

The voltage conversion MUST be performed by an electrician or qualified service personnel.

The voltage conversion procedure consists of rewiring the motor and installing the correct NEMA 6-15 plug. A wiring diagram is provided on **Page 41** for your reference.

IMPORTANT: If the diagram included on the motor conflicts with the one on **Page 41**, the motor may have changed since the manual was printed. Use the diagram included on the motor instead.

Items Needed	Qty
• Phillips Head Screwdriver #2	1
• Wire Cutters/Stripper.....	1
• Electrical Tape.....	As Needed
• Wire Nut (14 AWG).....	1
• NEMA 6-15 Plug.....	1

To convert Model G0839P to 220V:

1. DISCONNECT MACHINE FROM POWER!
2. Cut off existing 5-15 plug.
3. Open motor junction box, disconnect wires #2 and #4 (see **Figure 6**).

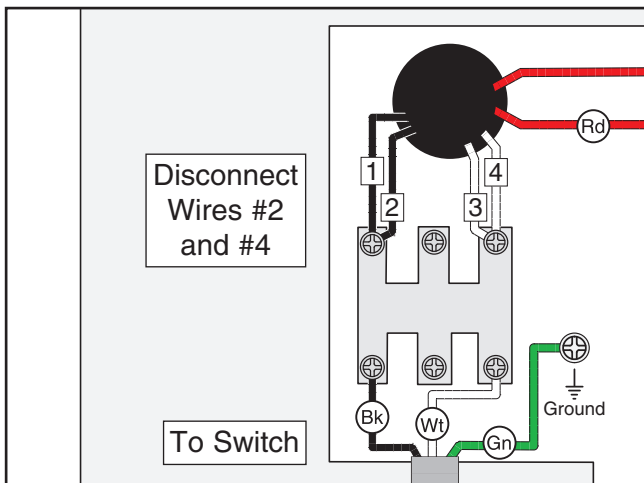


Figure 6. Inside motor junction box (motor pre-wired to 110V).

4. Use wire nut to connect wires #2 and #4, as shown in **Figure 7**. Twist wire nut onto wires and wrap it with electrical tape so it will not come loose.

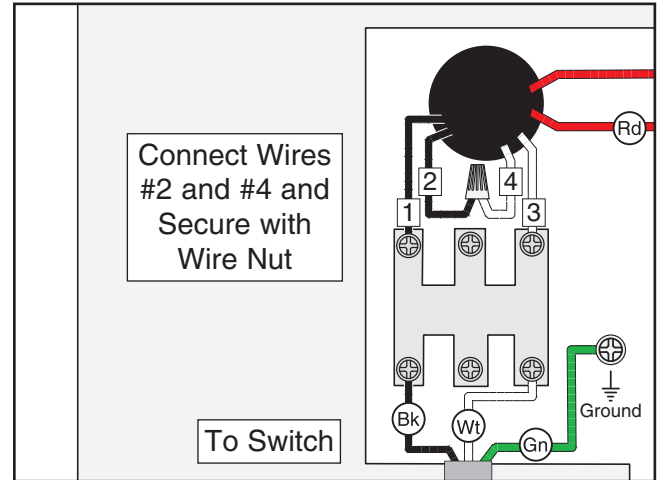
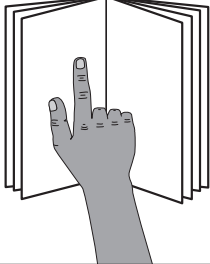


Figure 7. Inside motor junction box (motor re-wired to 220V).

5. Close and secure motor junction box.
6. Install a 6-15 plug on power cord, according to plug manufacturer's instructions.
 - If plug manufacturer's instructions are not available, NEMA standard 6-15 plug wiring is provided on **Page 41**.



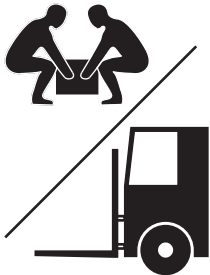
SECTION 3: SETUP



!WARNING
This machine presents serious injury hazards to untrained users. Read through this entire manual to become familiar with the controls and operations before starting the machine!



!WARNING
Wear safety glasses during the entire setup process!



!WARNING
HEAVY LIFT!
Straining or crushing injury may occur from improperly lifting machine or some of its parts. To reduce this risk, get help from other people and use a forklift (or other lifting equipment) rated for weight of this machine.

Needed for Setup

The following items are needed, but not included, for the setup/assembly of this machine.

Description	Qty
• Additional People	1
• Safety Glasses (for each person).....	1
• Leather Gloves (for each person).....	1 Pair
• Wrench Open-End or Socket 13mm	2
• Wrench Open-End or Socket 10mm	2
• Phillips Head Screwdriver #2	1
• Dust-Collection System.....	1
• Dust Hose 4"	1
• Hose Clamps 4"	2

Unpacking

This machine was carefully packaged for safe transport. When unpacking, separate all enclosed items from packaging materials and inspect them for shipping damage. ***If items are damaged, please call us immediately at (570) 546-9663.***

IMPORTANT: Save all packaging materials until you are completely satisfied with the machine and have resolved any issues between Grizzly or the shipping agent. ***You MUST have the original packaging to file a freight claim. It is also extremely helpful if you need to return your machine later.***



!WARNING
SUFFOCATION HAZARD!
Keep children and pets away from plastic bags or packing materials shipped with this machine.



Inventory

The following is a list of items shipped with your machine. Before beginning setup, lay these items out and inventory them.

If any non-proprietary parts are missing (e.g. a nut or a washer), we will gladly replace them; or for the sake of expediency, replacements can be obtained at your local hardware store.

NOTICE

If you cannot find an item on this list, carefully check around/inside the machine and packaging materials. Often, these items get lost in packaging materials while unpacking or they are pre-installed at the factory.

Inventory (Figures 8–9)	Qty
A. Edge Sander w/Main Table Assembly	1
B. 4" Dust Port	1
C. Miter Gauge.....	1
D. End Table Assembly.....	1
E. Legs.....	4
F. Upper End Supports.....	2
G. Lower End Supports.....	2
H. Upper Side Supports.....	2
I. Lower Side Supports.....	2
J. Carriage Bolts M8-1.25 x 12.....	32
K. Flat Washers 8mm	36
L. Hex Nuts M8-1.25.....	32
M. Hex Bolts M8-1.25 x 20	4
N. Lock Nuts M8-1.25	4
O. Fender Washers 6mm.....	9
P. Lock Washers 6mm.....	4
Q. Hex Nuts M6-1	4
R. Hex Bolts M6-1 x 20.....	4
S. Carriage Bolt M6-1 x 15	1
T. Knob M6-1	1
U. Phillips Head Screws M5-.8 x 15.....	2
V. External Tooth Washers 5mm.....	2
W. Hex Nuts M5-.8.	2
X. Rubber Feet.	4

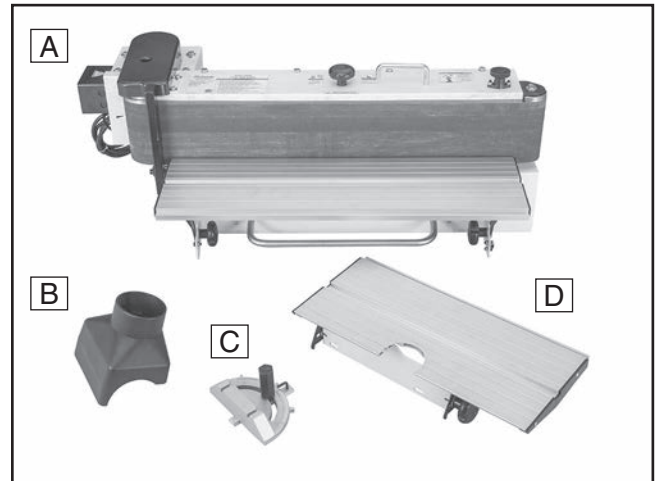


Figure 8. Inventory—edge sander and components.

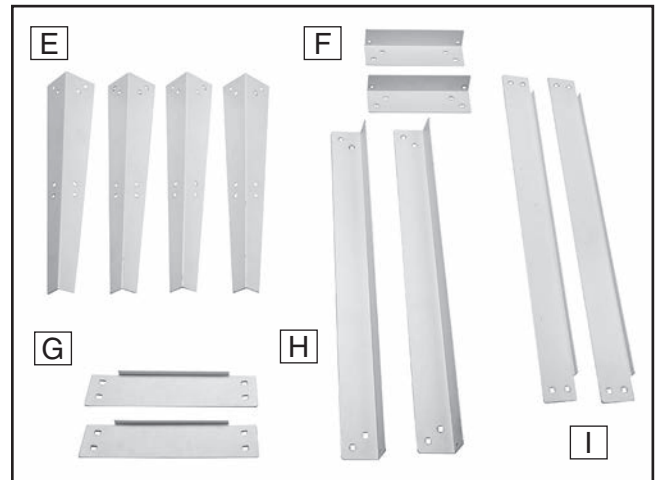


Figure 9. Inventory—stand.

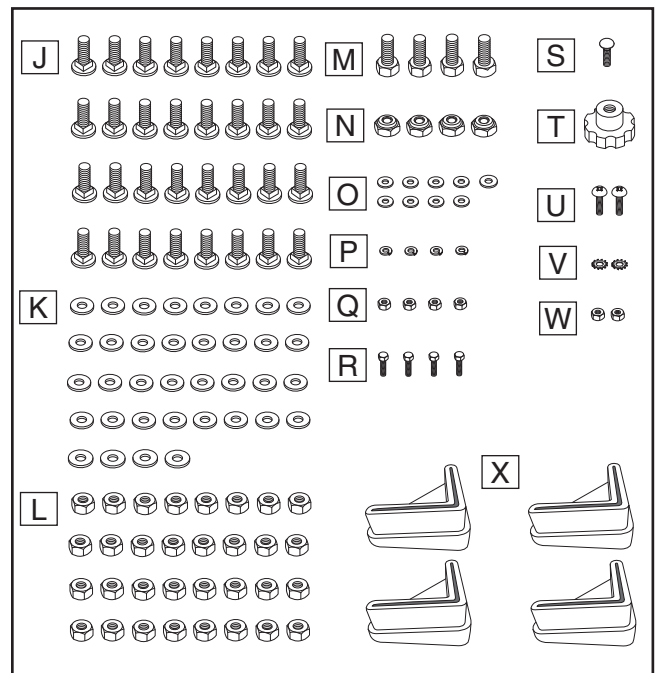


Figure 10. Inventory—hardware.



Hardware Recognition Chart

USE THIS CHART TO MATCH UP
HARDWARE DURING THE INVENTORY
AND ASSEMBLY PROCESS.

MEASURE BOLT DIAMETER BY PLACING INSIDE CIRCLE

#10

1/4"

5/16"

3/8"

7/16"

1/2"

4mm

5mm

6mm

8mm

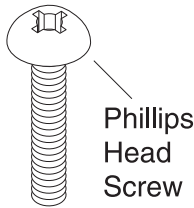
10mm

12mm

16mm



Hex Wrench



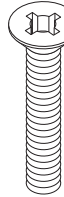
Phillips Head Screw



Lock Nut



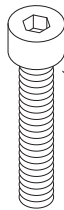
Wing Nut



Flat Head Screw



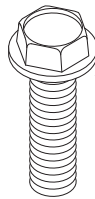
Flat Head Cap Screw



Cap Screw



Carriage Bolt



Flange Bolt



Button Head Screw



Tap Screw



External Retaining Ring



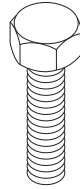
Internal Retaining Ring



E-Clip



Set Screw



Hex Bolt



Key



Flat Washer

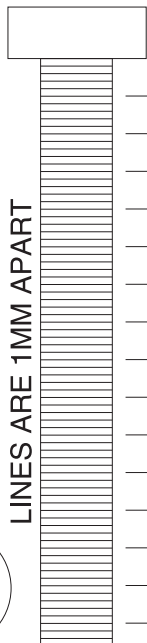


Lock Washer



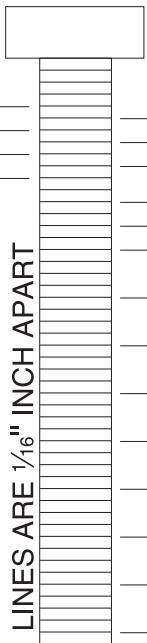
Hex Nut

LINES ARE 1MM APART



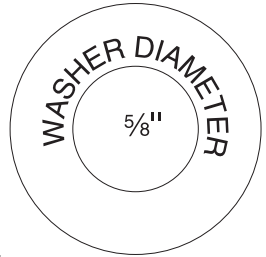
5mm
10mm
15mm
20mm
25mm
30mm
35mm
40mm
45mm
50mm
55mm
60mm
65mm
70mm
75mm

LINES ARE 1/16" INCH APART

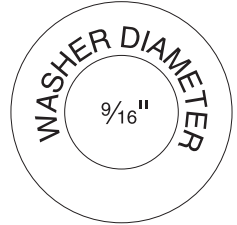


1/4"
3/8"
1/2"
5/8"
5/16"
7/16"
9/16"
3/4"
7/8"
1"
1 1/4"
1 1/2"
1 3/4"
2
2 1/4"
2 1/2"
2 3/4"
3

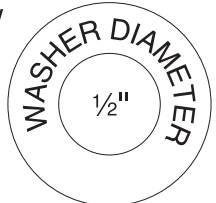
WASHERS ARE MEASURED BY THE INSIDE DIAMETER



WASHER DIAMETER
5/8"



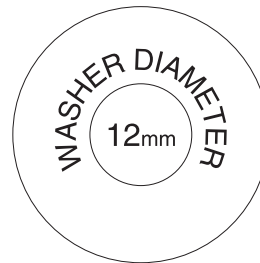
WASHER DIAMETER
9/16"



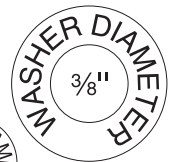
WASHER DIAMETER
1/2"



WASHER DIAMETER
7/16"



WASHER DIAMETER
12mm



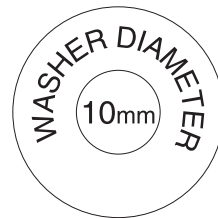
WASHER DIAMETER
3/8"



WASHER DIAMETER
4mm



WASHER DIAMETER
5/16"



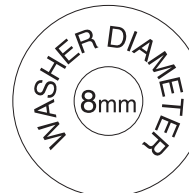
WASHER DIAMETER
10mm



WASHER DIAMETER
5mm



WASHER DIAMETER
1/4"



WASHER DIAMETER
8mm



WASHER DIAMETER
6mm



WASHER DIAMETER
#10



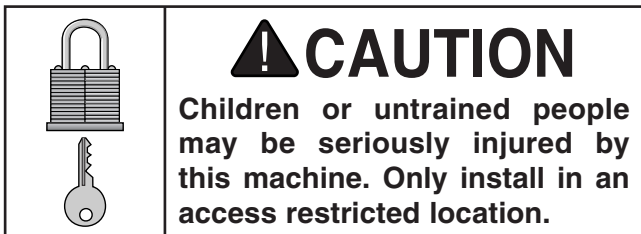
Site Considerations

Weight Load

Refer to the **Machine Data Sheet** for the weight of your machine. Make sure that the surface upon which the machine is placed will bear the weight of the machine, additional equipment that may be installed on the machine, and the heaviest workpiece that will be used. Additionally, consider the weight of the operator and any dynamic loading that may occur when operating the machine.

Space Allocation

Consider the largest size of workpiece that will be processed through this machine and provide enough space around the machine for adequate operator material handling or the installation of auxiliary equipment. With permanent installations, leave enough space around the machine to open or remove doors/covers as required by the maintenance and service described in this manual. **See below for required space allocation.**



Physical Environment

The physical environment where the machine is operated is important for safe operation and longevity of machine components. For best results, operate this machine in a dry environment that is free from excessive moisture, hazardous chemicals, airborne abrasives, or extreme conditions. Extreme conditions for this type of machinery are generally those where the ambient temperature range exceeds 41°–104°F; the relative humidity range exceeds 20%–95% (non-condensing); or the environment is subject to vibration, shocks, or bumps.

Electrical Installation

Place this machine near an existing power source. Make sure all power cords are protected from traffic, material handling, moisture, chemicals, or other hazards. Make sure to leave enough space around machine to disconnect power supply or apply a lockout/tagout device, if required.

Lighting

Lighting around the machine must be adequate enough that operations can be performed safely. Shadows, glare, or strobe effects that may distract or impede the operator must be eliminated.

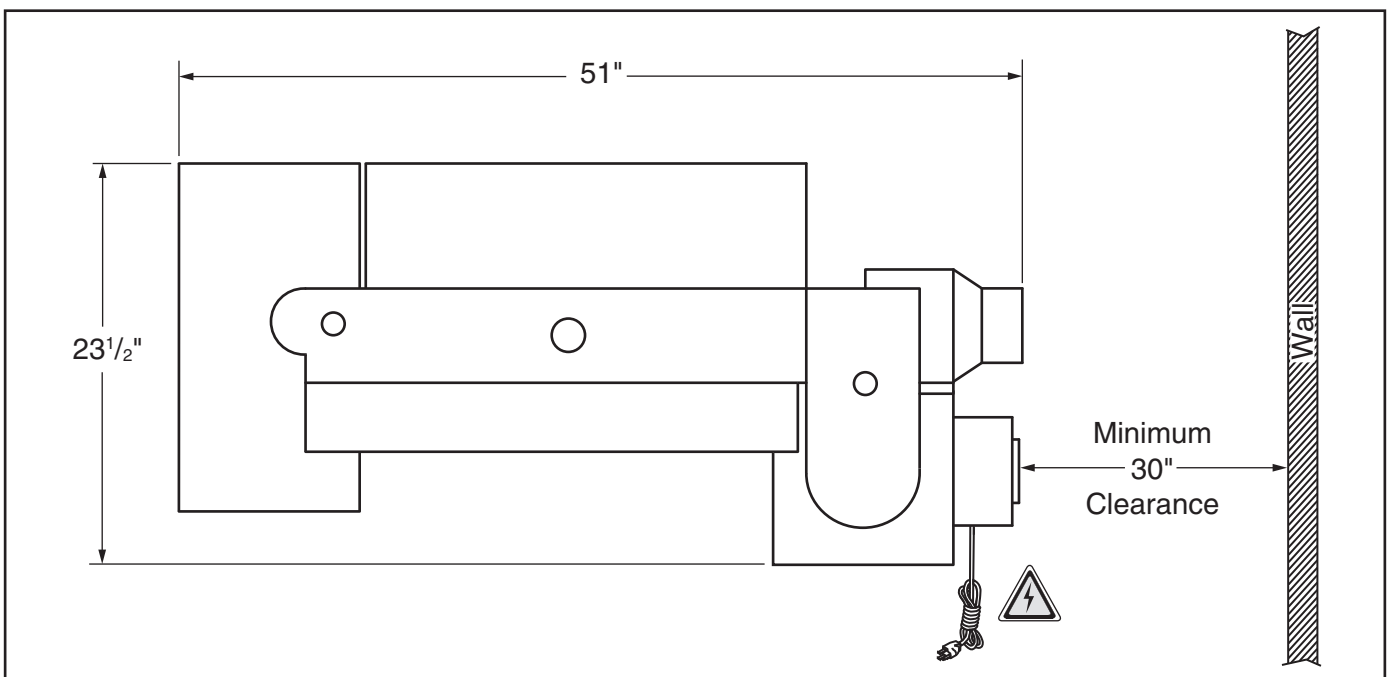


Figure 11. Minimum working clearances.



Assembly

This machine must be fully assembled before it can be used. Before beginning the assembly process, refer to **Needed for Setup** and gather all listed items.

To assemble edge sander:

1. Build two stand end assemblies by attaching (2) upper end supports to (4) legs with (8) M8-1.25 x 12 carriage bolts, (8) 8mm flat washers, and (8) M8-1.25 hex nuts (see **Figure 12**). DO NOT fully tighten fasteners yet.

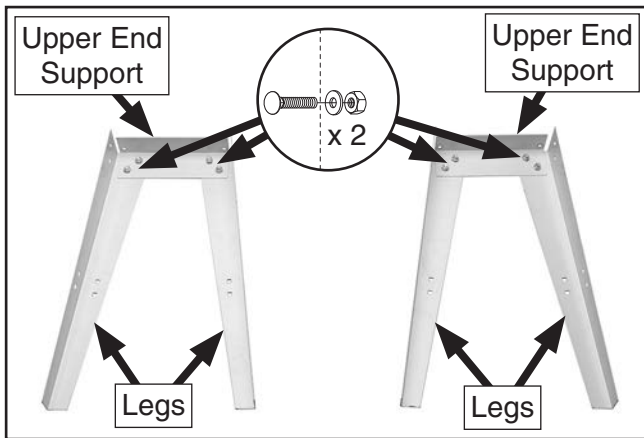


Figure 12. Stand end assemblies built.

2. Attach (2) upper side supports to end assemblies from **Step 1** with (8) M8-1.25 x 12 carriage bolts, (8) 8mm flat washers, and (8) M8-1.25 hex nuts (see **Figure 13**). DO NOT fully tighten fasteners yet.

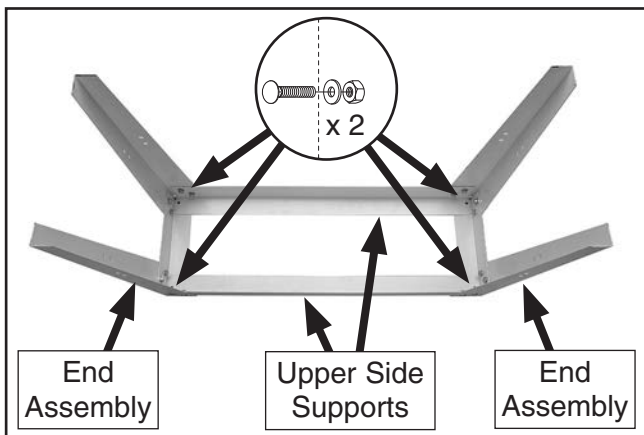


Figure 13. Stand assembly built.

3. Attach (2) lower end supports and (2) lower side supports to stand assembly made in **Step 2** with (16) M8-1.25 x 12 carriage bolts, (16) 8mm flat washers, and (16) M8-1.25 hex nuts (see **Figure 14**). DO NOT fully tighten fasteners yet.

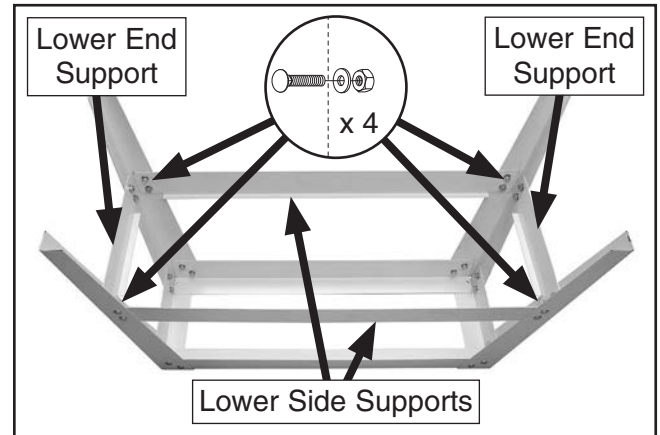


Figure 14. Lower end supports and lower side supports attached.

4. Slide (4) rubber feet (see **Figure 15**) onto ends of legs.

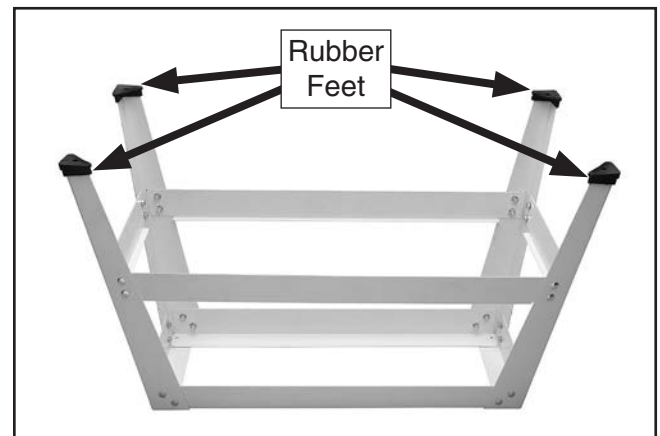


Figure 15. Rubber feet attached to ends of legs.

5. Turn stand upright. Make sure it is centered over legs and supports (not leaning to one side or the other).



6. Insert (4) M6-1 x 20 hex bolts in holes through upper end supports and upper side supports (see **Figure 16**).

Note: This step ensures holes through upper end supports and upper side supports remain aligned during fastener tightening in **Step 7**.

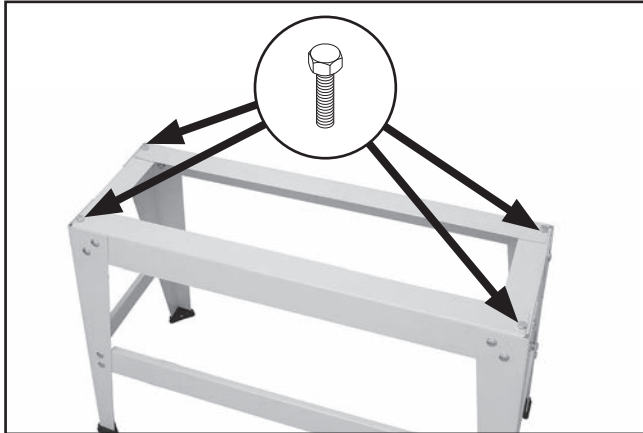


Figure 16. Hex nuts inserted in holes through upper end supports and upper side supports.

7. Fully tighten all fasteners, and then remove (4) M6-1 x 20 hex bolts inserted in **Step 6**.



8. With help from another person, place edge sander on top of stand (see **Figure 17**).

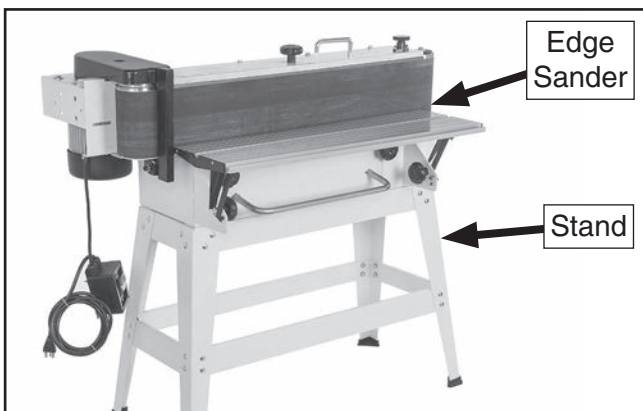


Figure 17. Edge sander placed on stand.

9. Secure edge sander to stand with (4) M6-1 x 20 hex bolts, (8) 6mm fender washers, (4) 6mm lock washers, and (4) M6-1 hex nuts (see **Figure 18**).

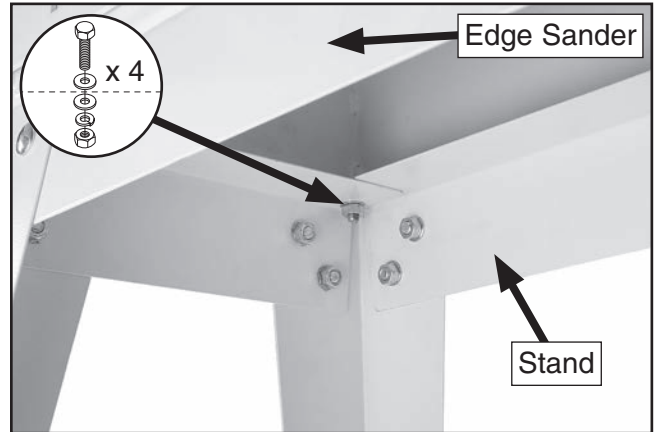


Figure 18. Edge sander secured to stand.

10. Attach ON/OFF switch box to edge sander with (2) M5-.8 x 15 Phillips head screws, (2) 5mm external tooth washers, and (2) M5-.8 hex nuts (see **Figure 19**).

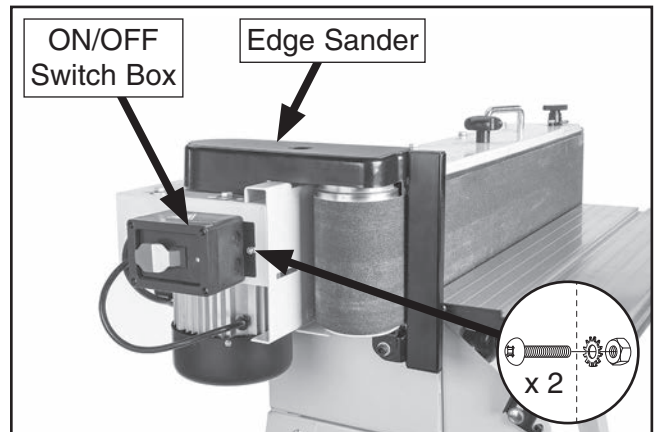


Figure 19. ON/OFF switch box attached to edge sander.



- Attach dust port to edge sander with (1) M6-1 x 15 carriage bolt, 6mm fender washer, and M6-1 knob (see **Figure 20**).



Figure 20. Dust port attached to edge sander.

- Attach end table to edge sander with (4) M8-1.25 x 20 hex bolts, (4) 8mm flat washers, and (4) M8-1.25 lock nuts (see **Figure 21**).

IMPORTANT: Make sure idler roller is centered in end table notch (see **Figure 21**).

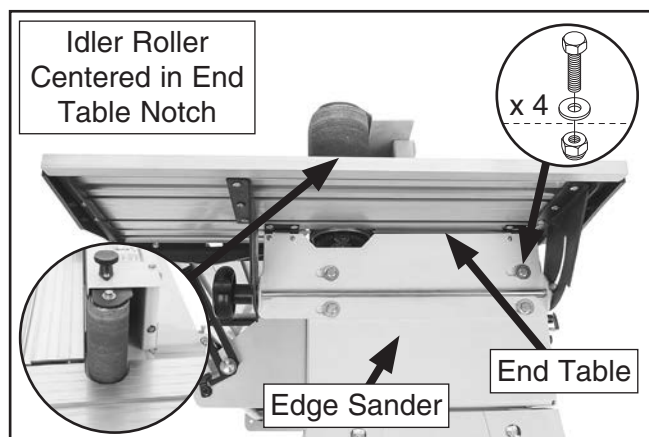


Figure 21. End table attached to edge sander.

- After attaching end table, it's necessary to calibrate it to ensure accurate sanding results (refer to **Calibrating Table Tilt** on **Page 36** for instructions).

Dust Collection

⚠ CAUTION

This machine creates a lot of fine dust during operation. Breathing airborne dust on a regular basis can result in permanent respiratory illness. Reduce your risk by wearing a respirator and capturing dust with a dust-collection system.

Minimum CFM at Dust Port: 400 CFM

Do not confuse this CFM recommendation with the rating of the dust collector. To determine the CFM at the dust port, you must consider these variables: (1) CFM rating of the dust collector, (2) hose type and length between the dust collector and the machine, (3) number of branches or wyes, and (4) amount of other open lines throughout the system. Explaining how to calculate these variables is beyond the scope of this manual. Consult an expert or purchase a good dust collection "how-to" book.

To connect dust-collection system to machine:

- Fit 4" dust hose over dust port and secure in place with 4" hose clamp (see **Figure 22**).

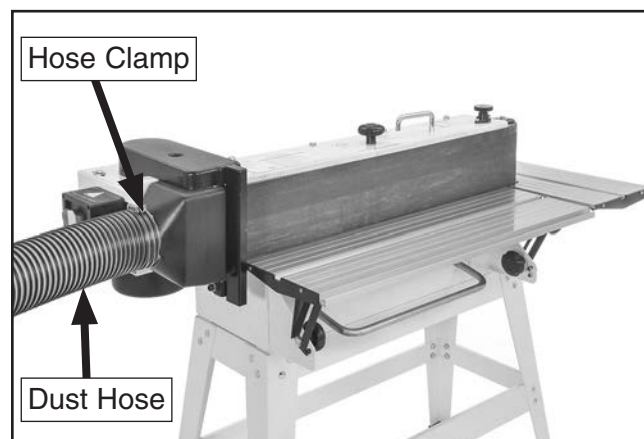


Figure 22. Dust hose attached to dust port.

- Tug hose to make sure it does not come off. A tight fit is necessary for proper performance.



Test Run

Once assembly is complete, test run the machine to ensure it is properly connected to power and safety components are functioning correctly.

If you find an unusual problem during the test run, immediately stop the machine, disconnect it from power, and fix the problem **BEFORE** operating the machine again. The **Troubleshooting** table in the **SERVICE** section of this manual can help.

The Test Run consists of verifying the following:

- 1) The motor powers up and runs correctly, and
- 2) the safety disabling mechanism on the switch works correctly.

!WARNING

Serious injury or death can result from using this machine BEFORE understanding its controls and related safety information. DO NOT operate, or allow others to operate, machine until the information is understood.

!WARNING

DO NOT start machine until all preceding setup instructions have been performed. Operating an improperly set up machine may result in malfunction or unexpected results that can lead to serious injury, death, or machine/property damage.

To test run machine:

1. Clear all setup tools away from machine.
2. Connect machine to power supply.
3. Turn machine **ON**, verify motor operation, and then turn machine **OFF**.

The motor should run smoothly and without problems or noises.

4. Remove switch disabling key, as shown in **Figure 23**.

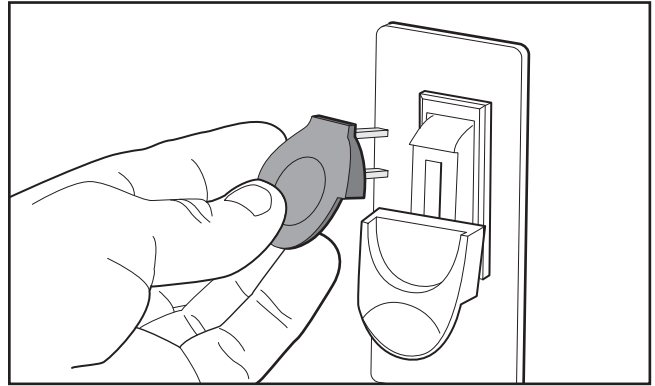


Figure 23. Removing switch disabling key from paddle switch.

5. Try to start machine with paddle switch. The machine should not start.
 - If the machine *does NOT* start, the switch disabling feature is working correctly. The test run is complete!
 - If the machine *does start*, immediately stop the machine. The switch disabling feature is not working correctly. This safety feature must work properly before proceeding with regular operations. Call Tech Support for help.

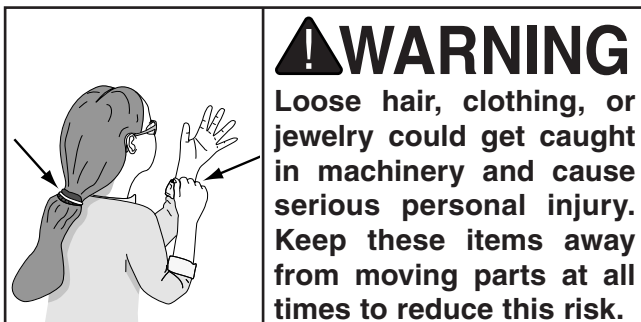
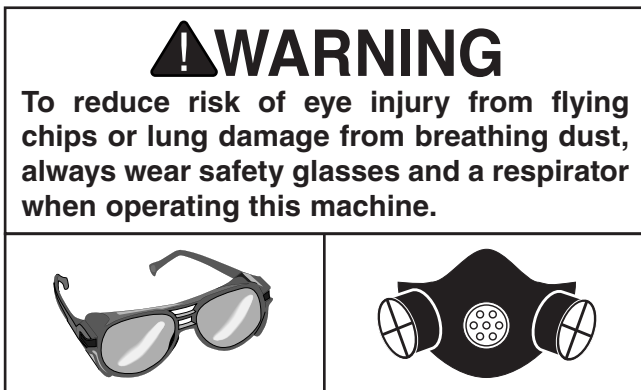


SECTION 4: OPERATIONS

Operation Overview

The purpose of this overview is to provide the novice machine operator with a basic understanding of how the machine is used during operation, so the machine controls/components discussed later in this manual are easier to understand.

Due to the generic nature of this overview, it is **not** intended to be an instructional guide. To learn more about specific operations, read this entire manual, seek additional training from experienced machine operators, and do additional research outside of this manual by reading "how-to" books, trade magazines, or websites.



NOTICE

If you are not experienced with this type of machine, **WE STRONGLY RECOMMEND** that you seek additional training outside of this manual. Read books/magazines or get formal training before beginning any projects. Regardless of the content in this section, Grizzly Industrial will not be held liable for accidents caused by lack of training.

To complete a typical sanding operation, the operator does the following:

1. Examines workpiece to make sure it is suitable for sanding.
2. Adjusts table tilt if necessary and locks table in place.
3. If necessary, inserts miter gauge in miter slot, adjusts miter gauge to required sanding angle, and locks it in place.
4. Puts on safety glasses and a respirator.
5. Starts dust collector and then machine.
6. Holds workpiece firmly and flatly against both table and miter gauge (if used), pushes workpiece into or along side of sanding belt, and moves it to different locations to wear sandpaper evenly and prevent it from overheating.
7. Stops machine.



Choosing Sanding Belts

This machine uses a 6" W x 79" L belt. Below is a chart that groups abrasives into different classes, and shows which grits fall into each class.

Grit	Class
36	Extra Coarse
60	Coarse
80–100	Medium
120–180	Fine

To achieve a finer finish, the general rule is to sand a workpiece with progressively higher grit numbers, with no one grit increase of more than 50. Avoid skipping grits; the larger the grit increase, the harder it will be to remove the scratches from the previous grit.

Ultimately, the type of wood you use and your stage of finish will determine the best grit types to install on your sander.

Sanding Tips

- Extend the life of the sanding belt by regularly using a PRO-STICK® abrasive surface cleaner (see **Accessories** on **Page 31**).
- When sanding workpieces with a bow or crown, place the high point up on the table to prevent the workpiece from rocking, then take very light passes.
- Use the full width of the sanding belt by adjusting table height or workpiece position so sanding is not always done in just one area.

Positioning Platen

The platen can be positioned vertically or horizontally. Position the platen vertically for edge and end sanding and horizontally for face sanding and sanding belt removal/replacement.

To position the platen:

1. DISCONNECT MACHINE FROM POWER!
2. Lift handle to release platen lock (see **Figure 24**).
3. Manually rotate platen assembly to vertical or horizontal position (see **Figure 24**).
4. Push handle down to lock platen in position (see **Figure 24**).

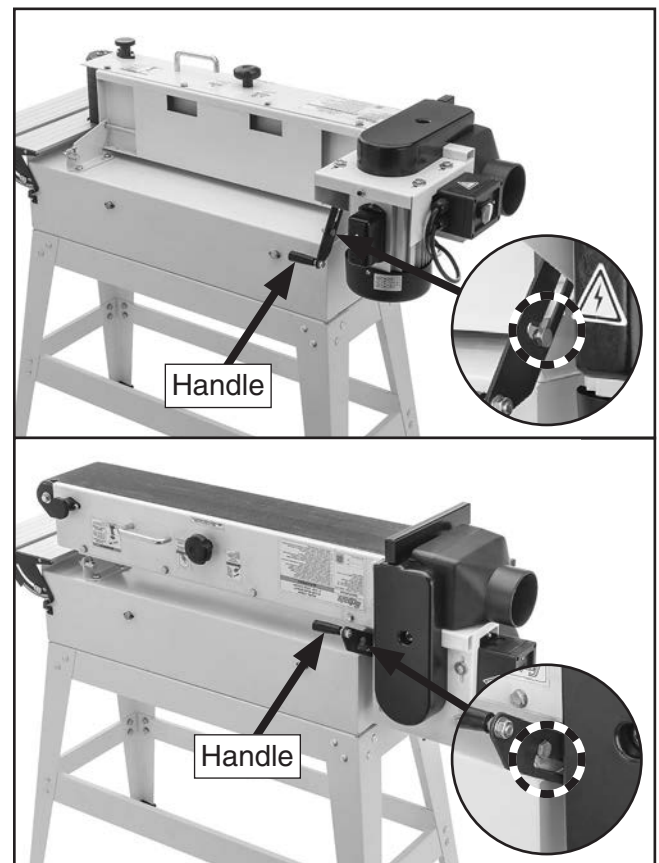


Figure 24. Platen positioned vertically and horizontally.



Installing Belt

Item(s) Needed: Qty
 6" W x 79" L Sanding Belt..... 1

To install a sanding belt:

1. DISCONNECT MACHINE FROM POWER!
2. Position platen horizontally (refer to **Positioning Platen** on **Page 23**).
3. Open belt cover by rotating knob counterclockwise, and then pushing it downward to release the latch, as shown in **Figure 25**.

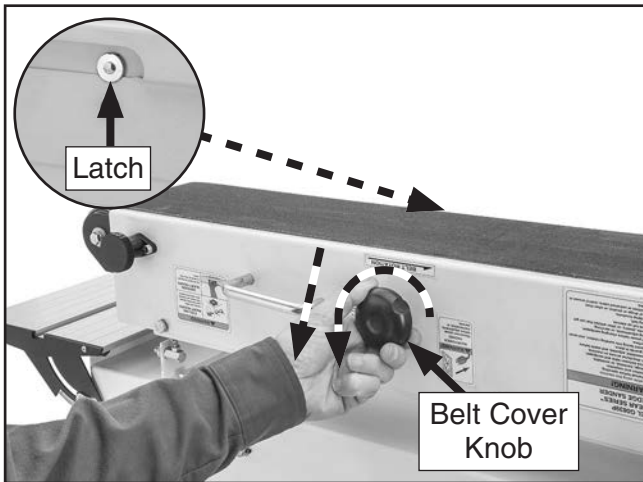


Figure 25. Opening belt cover.

4. With belt cover open, rotate back stop out of the way (see **Figure 26**).

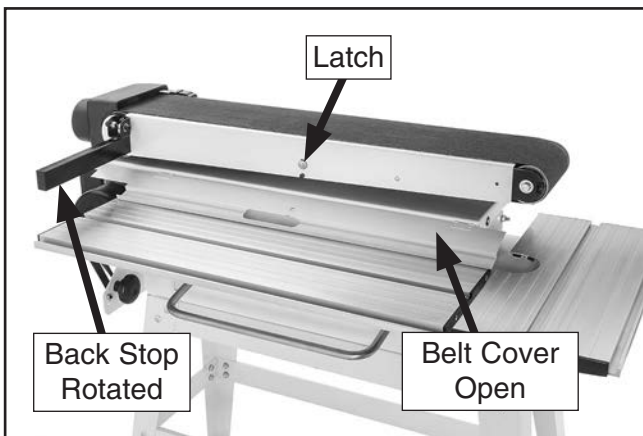


Figure 26. Belt cover open and back stop rotated.

5. Release tension on belt by rotating belt tensioning lever clockwise, as shown in **Figure 27**.

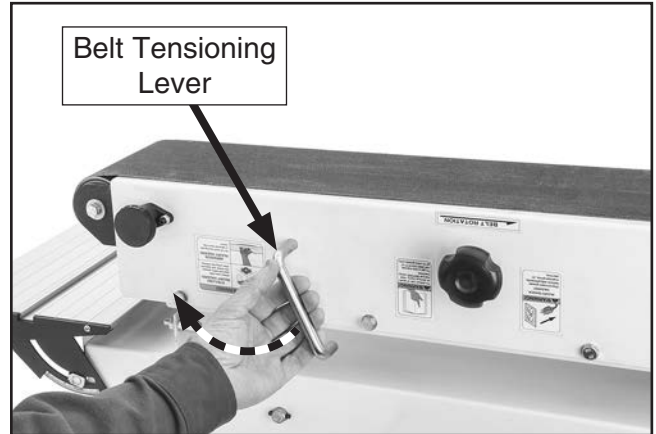


Figure 27. Releasing belt tension.

6. Remove old belt by sliding it off of rollers.

Note: You may need to loosen dust port knob and move dust port out of the way.

7. Make sure arrows on inside of new belt point in counterclockwise direction, and install new belt over both rollers, as shown in **Figure 28**.

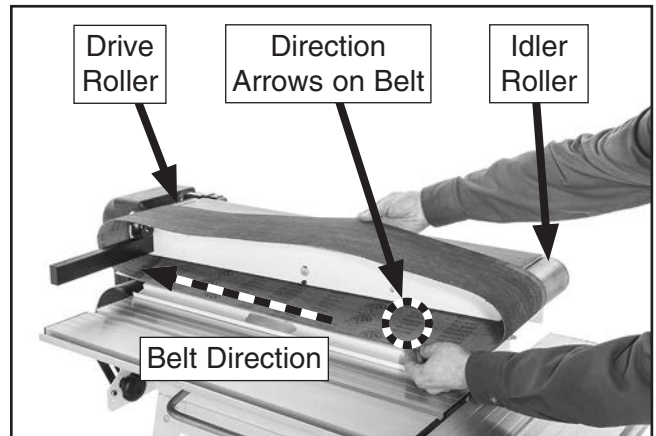


Figure 28. Installing new belt.

8. Tension belt by rotating belt tensioning lever counterclockwise.
9. Return back stop to upright position and if necessary, reposition dust port and tighten dust port knob.
10. Close and latch belt access door.
11. Adjust belt tracking (refer to **Adjusting Belt Tracking** on **Page 25**).



Adjusting Belt Tracking

After a sanding belt has been installed, replaced, or used for a significant amount of time, belt tracking adjustments are typically required. The belt should track on the rollers so that the top edge of the sanding belt stays parallel with the top edge of the platen graphite.

⚠ CAUTION

Moving sanding belts are dangerously abrasive. Use extreme caution when working near sanding surfaces. Use extreme caution while making adjustments that require momentary or extended operation of the edge sander. Failure to exercise care while sanding could result in severe personal injury.

To adjust sanding belt tracking:

1. Position platen horizontally (refer to **Positioning Platen** on **Page 23**).
2. Turn machine **ON** long enough to observe belt tracking, then turn machine **OFF**. If belt does not track on a centered path across rollers, adjustment is necessary.

3. Turn machine **ON**, and carefully adjust tracking knob until belt remains centered across rollers, as shown in **Figure 29**.

Tip: *Belt tracking control knob is very sensitive; adjust it carefully in small increments.*

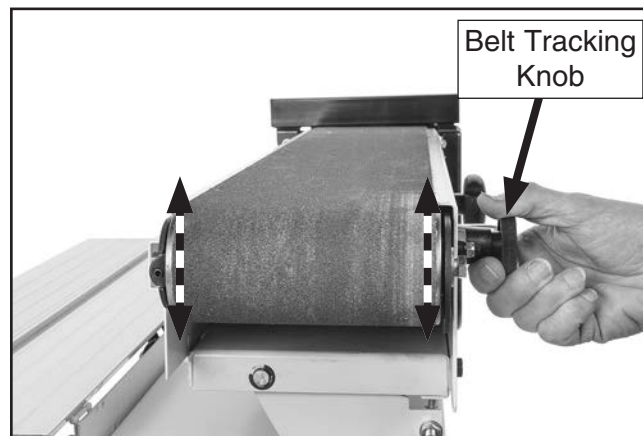


Figure 29. Adjusting belt tracking.

4. Once belt appears to track correctly, allow the sander to run for approximately 1 minute to verify belt is tracking correctly. Repeat **Step 3** as necessary until belt tracks correctly.



Adjusting Table Height & Tilt

The height of the main table is adjustable. You adjust the table height according to the thickness of your workpiece. If you repeatedly sand workpieces of similar size, adjust the table height periodically to ensure the sanding belt wears evenly.

Both the main and end tables tilt from 0°–45°. Tilt the main table to sand workpieces with bevelled edges and ends. Tilt the end table to sand workpieces with bevelled contours.

Adjusting Main Table Height

1. DISCONNECT MACHINE FROM POWER!
2. Loosen main table height lock knobs (see **Figure 30**).

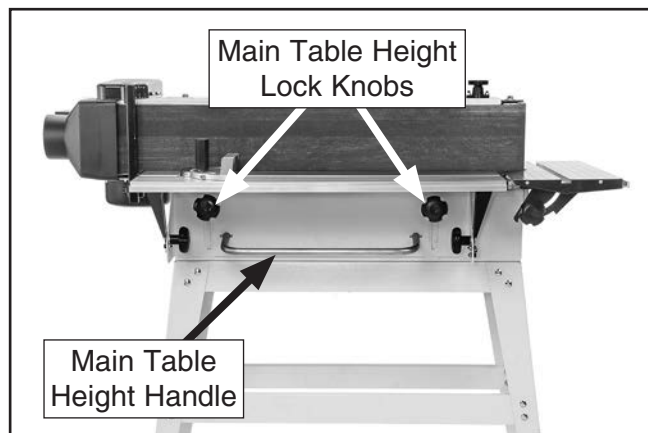


Figure 30. Main table height lock knobs and handle location.

3. Raise or lower main table, using main table height handle as leverage (see **Figure 30**).
4. Tighten main table height lock knobs while holding main table in place.

Adjusting Main Table Tilt

1. DISCONNECT MACHINE FROM POWER!
2. Loosen main table tilt lock knobs (see **Figure 31**).
3. Manually adjust main table angle, using scale pointer as guide (see **Figure 31**).

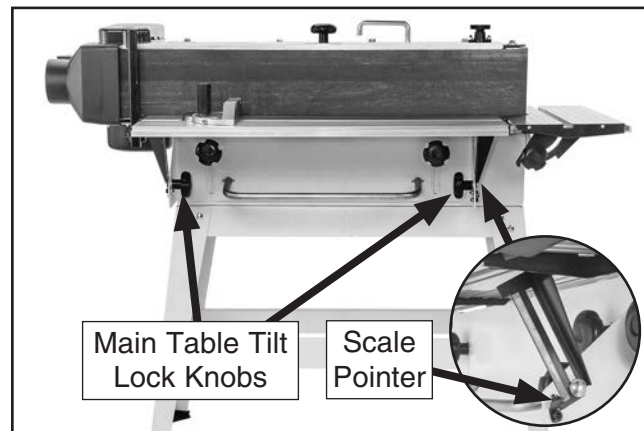


Figure 31. Main table tilt lock knobs and scale pointer location.

4. Tighten main table tilt knobs while holding main table in place.

Adjusting End Table Tilt

1. DISCONNECT MACHINE FROM POWER!
2. Loosen end table tilt lock knob (see **Figure 32**).
3. Manually adjust end table angle, using scale pointer as guide (see **Figure 32**).

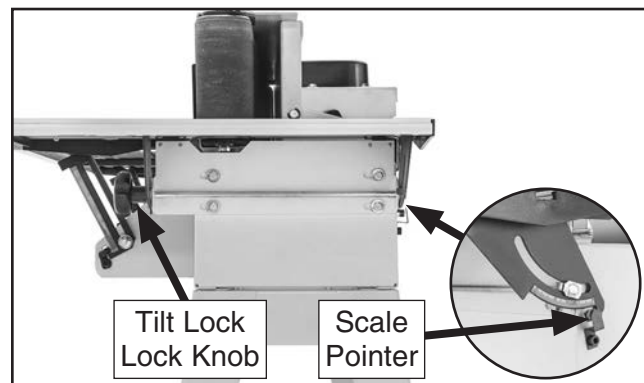


Figure 32. End table tilt lock knob and scale pointer location.

4. Tighten end table tilt knob while holding end table in place.



Edge & End Sanding

⚠ CAUTION

Moving sanding belt can cause serious personal injury if it comes in contact with fingers, hands, or other body parts. Make sure workpiece is always supported against table. Use extreme care to provide a safe distance between the belt and any part of your body.

Edge and end sanding operations are performed on the main table with the platen in vertical position. Use the back stop to support workpieces during normal edge-sanding operations; use the miter gauge to support workpieces during end-and angle-sanding operations, or when additional control over the workpiece is required. Always keep the workpiece against the table and use two hands to control it.

To perform edge or end sanding:

1. Position platen vertically (refer to **Positioning Platen** on **Page 23**).
2. Set table height to match workpiece thickness (refer to **Adjusting Table Height & Tilt** on **Page 26**).
3. Connect machine to power, turn it **ON**, and allow it to reach full speed.
4. Position workpiece on main table against back stop or miter gauge, depending on type of sanding operation.

IMPORTANT: *Always use miter gauge when end sanding to prevent sanding belt from grabbing workpiece and pulling it out of your hands.*

5. Use both hands to maintain control of workpiece, as shown in **Figures 33–35**, and slowly feed it into moving belt with light, even pressure. **DO NOT** force workpiece against belt.

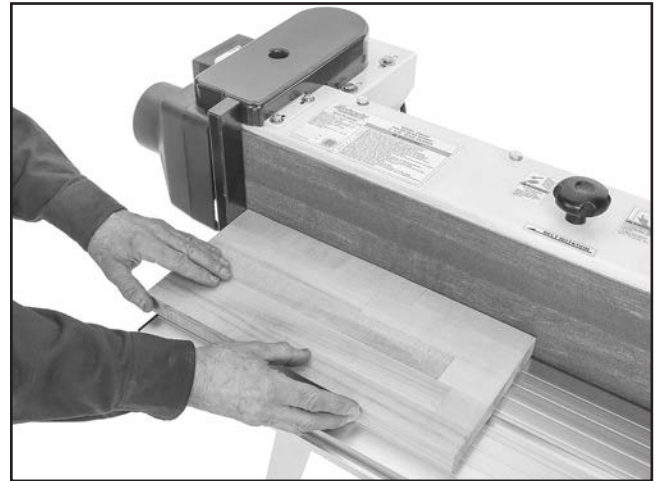


Figure 33. Example of edge sanding.



Figure 34. Example of edge sanding with miter gauge.



Figure 35. Example of end sanding.



Face Sanding

Face-sanding operations are performed directly on the sanding belt with the platen in the horizontal position. Always use two hands to control the workpiece and use the back stop to support it.

To perform face sanding:

1. Position platen horizontally (refer to **Positioning Platen** on **Page 23**).
2. Connect machine to power, turn it **ON**, and allow it to reach full speed.
3. While supporting workpiece against back stop, slowly feed it into moving belt with light, even pressure. Use a push block to maintain control of workpiece, as shown in **Figure 36**. DO NOT force workpiece against belt.



Figure 36. Example of face sanding.

⚠ CAUTION

Moving sanding belt can cause serious personal injury if it comes in contact with fingers, hands, or other body parts. Make sure workpiece is always supported against table. Use extreme care to provide a safe distance between the belt and any part of your body.

Contour Sanding

⚠ CAUTION

Moving sanding belt can cause serious personal injury if it comes in contact with fingers, hands, or other body parts. Make sure workpiece is always supported against table. Use extreme care to provide a safe distance between the belt and any part of your body.

Contour sanding operations are performed on the end table with the platen in vertical position. For additional control over the workpiece, use the miter gauge to support workpieces during contour-sanding operations. Always keep the workpiece against the table and use two hands to control it.

To perform contour sanding:

1. Connect machine to power, turn it **ON**, and allow it to reach full speed.
2. Position workpiece on end table and against miter gauge if feasible.
3. Use both hands to maintain control of workpiece, as shown in **Figures 37–38**, and slowly feed it into curved end of moving belt with light, even pressure. DO NOT force workpiece against belt. Use extra caution when sanding end-grain.



Figure 37. Example of contour sanding.





Figure 38. Example of contour sanding with miter gauge.

Bevel Sanding

⚠ CAUTION

Moving sanding belt can cause serious personal injury if it comes in contact with fingers, hands, or other body parts. Make sure workpiece is always supported against table. Use extreme care to provide a safe distance between the belt and any part of your body.

Both the main and end tables on the Model G0839P tilt from 0°–45° for sanding bevelled edges on your workpieces. Angle sanding operations are performed with the platen in vertical position. For additional control over the workpiece, use the miter gauge to support workpieces during bevel-sanding operations. Always keep the workpiece against the table and use two hands to control it.

Edge & End Bevel Sanding

1. Set main table height to match workpiece thickness, and set table tilt to match angle of bevel on workpiece (refer to **Adjusting Table Height & Tilt** on **Page 26**).
2. Connect machine to power, turn it **ON**, and allow it to reach full speed.
3. Position workpiece on main table against miter gauge.

4. Use both hands to maintain control of workpiece, as shown in **Figures 39–40**, and slowly feed it into moving belt with light, even pressure. **DO NOT** force workpiece against belt.



Figure 39. Example of edge bevel sanding with miter gauge.



Figure 40. Example of end bevel sanding with miter gauge.



Contour Bevel Sanding

1. Set end table tilt to match angle of bevel on workpiece (refer to **Adjusting Table Height & Tilt** on **Page 26**).
2. Connect machine to power, turn it **ON**, and allow it to reach full speed.
3. Position workpiece on end table against miter gauge if feasible.
4. Use both hands to maintain control of workpiece, as shown in **Figures 41–42**, and slowly feed it into curved end of moving belt with light, even pressure. **DO NOT** force workpiece against belt. Use extra caution when sanding end-grain.



Figure 42. Example of contour bevel sanding with miter gauge.



Figure 41. Example of contour bevel sanding.



SECTION 5: ACCESSORIES

! WARNING

Installing unapproved accessories may cause machine to malfunction, resulting in serious personal injury or machine damage. To reduce this risk, only install accessories recommended for this machine by Grizzly.

NOTICE

Refer to our website or latest catalog for additional recommended accessories.

6" x 79" Sanding Belts (2-Pc.)

These tough aluminum oxide sanding belts are sized right for all your belt sanding needs.

Model & Type	Grit
T28972 Aluminum Oxide.....	60
T28973 Aluminum Oxide.....	80
T28974 Aluminum Oxide.....	100
T28975 Aluminum Oxide.....	120
T28976 Aluminum Oxide.....	150
T28977 Aluminum Oxide.....	180
T28978 Aluminum Oxide.....	220

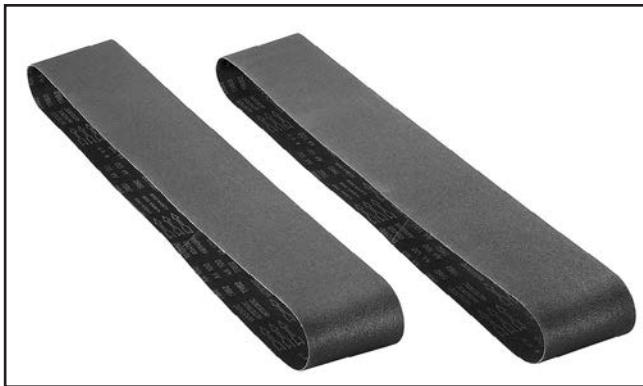


Figure 43. Aluminum oxide sanding belts.

PRO-STICK® Abrasive Surface Cleaners

Extend the life of your sanding belts! Choose the Pro-Stick® with a handle for greater control or without a handle for more usable area.

Size	Model
1½" x 1½" x 8½"	W1306
2" x 2" x 12"	W1307

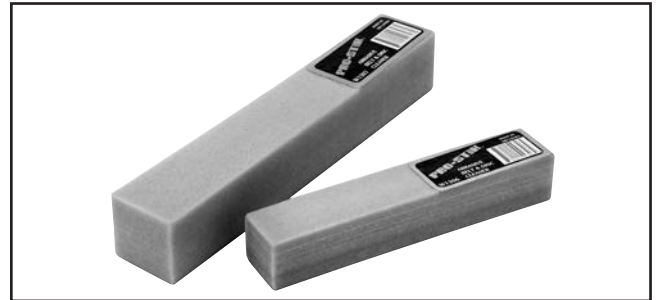


Figure 44. PRO-STICK® abrasive cleaners.

T26419—Syn-O-Gen Synthetic Grease

Formulated with 100% pure synthesized hydrocarbon basestocks that are compounded with special thickeners and additives to make Syn-O-Gen non-melt, tacky, and water resistant. Extremely low pour point, extremely high temperature oxidation, and thermal stability produce a grease that is unmatched in performance.



Figure 45. T26419 Syn-O-Gen Synthetic Grease.

order online at www.grizzly.com or call 1-800-523-4777



D4206—Clear Flexible Hose 4" x 10'
D4256—45° Elbow 4"
D4216—Black Flexible Hose 4" x 10'
W1034—Heavy-Duty Clear Flex Hose 4" x 10'
D2107—Hose Hanger 4¼"
W1015—Y-Fitting 4" x 4" x 4"
W1017—90° Elbow 4"
W1019—Hose Coupler (Splice) 4"
W1317—Wire Hose Clamp 4"
W1007—Plastic Blast Gate 4"
W1053—Anti-Static Grounding Kit
 Hand-picked selection of commonly used dust collection components for 4" dust ports.



Figure 46. Dust collection accessories.

T10456—Heavy-Duty Anti-Fatigue Mat 3' x 5'
 This Heavy-Duty Anti-Fatigue Mat features beveled edges and no-slip tread for safety and comfort. Open-hole design allows liquid to drain through, so it's perfect for wet or oily conditions. Measures 3' wide x 5' long x 3/8" thick.

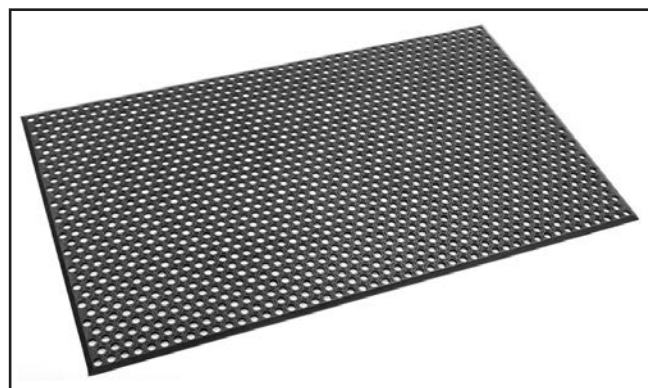


Figure 47. T10456 Anti-Fatigue Mat.

Basic Respiratory Protection
H2499—Small Half-Mask Respirator
H3631—Medium Half-Mask Respirator
H3632—Large Half-Mask Respirator
H3635—Cartridge Filter Pair P100

Wood dust has been linked to nasal cancer and severe respiratory illnesses. If you work around dust everyday, a half-mask respirator can be a lifesaver. Also compatible with safety glasses!



Figure 48. Half-mask respirator with disposable cartridge filters.

Basic Eye Protection
T20501—Face Shield Crown Protector 4"
T20502—Face Shield Crown Protector 7"
T20503—Face Shield Window
T20451—"Kirova" Clear Safety Glasses
T20452—"Kirova" Anti-Reflective S. Glasses
T20456—DAKURA Safety Glasses, Black/Clear

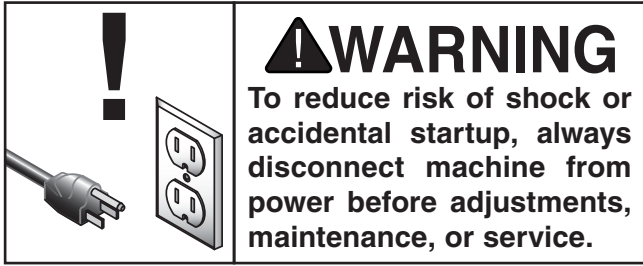


Figure 49. Assortment of basic eye protection.

order online at www.grizzly.com or call 1-800-523-4777



SECTION 6: MAINTENANCE



Schedule

For optimum performance from this machine, this maintenance schedule must be strictly followed.

Ongoing

To maintain a low risk of injury and proper machine operation, if you ever observe any of the items below, shut down the machine immediately and fix the problem before continuing operations:

- Damaged or worn sanding belt.
- Worn or damaged wires.
- Any other unsafe condition.

Weekly/Monthly Check

- Vacuum dust off motor fan.

Cleaning & Protecting

Cleaning the Model G0839P is relatively easy. Vacuum excess wood chips and sawdust, and wipe off the remaining dust with a dry cloth. If any resin has built up, use a resin dissolving cleaner to remove it.

Lubrication

It is essential to clean components before lubricating them because dust and chips build up on lubricated components and make them hard to move. Simply adding more grease to them will not yield smooth moving components.

Clean the components in this section with an oil/grease solvent cleaner and shop rags.

Item(s) Needed:

Qty

NLGI#2 Grease or Equivalent	As Needed
Mineral Spirits.....	As Needed
Clean Shop Rags	As Needed

Belt Tracking Shaft

Lubrication Type ... T26419 or NLGI#2 Equivalent	
Amount	Thick Coat
Lubrication Frequency	6–12 Months

Clean away any built up grime and debris from the belt tracking shaft (see **Figure 50**) with a wire brush, rags, and mineral spirits. Allow the shaft to dry, then apply a thick coat of grease to it.

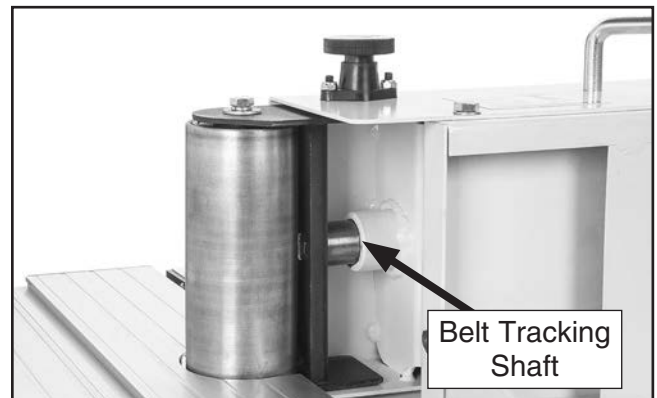


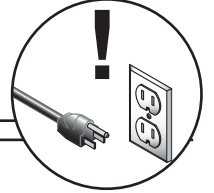
Figure 50. Belt tracking shaft location.



SECTION 7: SERVICE

Review the troubleshooting procedures in this section if a problem develops with your machine. If you need replacement parts or additional help with a procedure, call our Technical Support. **Note:** *Please gather the serial number and manufacture date of your machine before calling.*

Troubleshooting



Motor & Electrical

Symptom	Possible Cause	Possible Solution
Machine does not start, or power supply fuse/breaker trips immediately after startup.	<ol style="list-style-type: none"> 1. Switch disabling key removed. 2. Incorrect power supply voltage or circuit size. 3. Power supply circuit breaker tripped or fuse blown. 4. Wiring open/has high resistance. 5. ON/OFF switch at fault. 6. Start capacitor at fault. 7. Motor at fault. 	<ol style="list-style-type: none"> 1. Install switch disabling key (Page 21). 2. Ensure correct power supply voltage (Page 11) and circuit size. 3. Ensure circuit is sized correctly and free of shorts. Reset breaker or replace fuse. 4. Check/fix broken, disconnected, or corroded wires. 5. Test/replace ON/OFF switch. 6. Test/replace if at fault. 7. Test/repair/replace.
Machine stalls or is underpowered.	<ol style="list-style-type: none"> 1. Sanding belt loaded up. 2. Sanding belt worn or damaged. 3. Machine undersized for task. 4. Motor overheated. 5. Motor bearings at fault. 6. Motor at fault. 	<ol style="list-style-type: none"> 1. Clean sanding belt (Page 31). 2. Replace sanding belt (Page 24). 3. Reduce feed rate/workpiece pressure. 4. Clean motor, let cool, and reduce workload. 5. Test/repair/replace. 6. Test/repair/replace.
Machine has vibration or noisy operation.	<ol style="list-style-type: none"> 1. Sanding belt not tracking correctly. 2. Motor or component loose. 3. Stand not stable on floor. 4. Motor fan rubbing on fan cover. 5. Motor bearings at fault. 	<ol style="list-style-type: none"> 1. Ensure sanding belt is tracking correctly (Page 25). 2. Tighten mounting bolts; relocate/shim machine. 3. Relocate/shim machine. 4. Fix/replace fan cover; replace loose/damaged fan. 5. Test/repair/replace.



Sander Operation

Symptom	Possible Cause	Possible Solution
Machine vibrates excessively (non-motor related).	<ol style="list-style-type: none"> Stand not stable on floor. Broken/defective sanding belt. 	<ol style="list-style-type: none"> Relocate/shim machine. Replace sanding belt (Page 24).
Sanded surface not square.	<ol style="list-style-type: none"> Table not perpendicular to platen. 	<ol style="list-style-type: none"> Calibrate table tilt (Page 36).
Sanding grains easily rub off belt.	<ol style="list-style-type: none"> Sanding belt has been stored in an incorrect environment. Sanding belt has been smashed or folded. 	<ol style="list-style-type: none"> Replace damaged sanding belt (Page 24). Store sanding belt in a cool, dry area. Replace damaged sanding belt (Page 24). <i>Do not</i> bend or fold sanding belt.
Deep sanding grooves or scratches in workpiece.	<ol style="list-style-type: none"> Excessive feed pressure while sanding. Workpiece held still for too long against belt. Sanding belt too coarse. Workpiece sanded across grain. 	<ol style="list-style-type: none"> Reduce feed rate/workpiece pressure. Keep workpiece moving while sanding. Use finer grit sanding belt (Page 23). Sand with grain.
Snake-shaped marks on workpiece.	<ol style="list-style-type: none"> Sanding belt loaded up. Sanding belt damaged. 	<ol style="list-style-type: none"> Clean sanding belt (Page 31). Replace sanding belt (Page 24).
Sanding belt clogs quickly.	<ol style="list-style-type: none"> Excessive feed pressure while sanding. Sanding softwood or wood with a high amount of pitch. Sanding belt worn or damaged. 	<ol style="list-style-type: none"> Clean sanding belt (Page 31), and then reduce feed rate/workpiece pressure. Use different stock, or accept characteristics of stock and plan to clean/replace sanding belt frequently. Replace sanding belt (Page 24).
Glazed sanding surface.	<ol style="list-style-type: none"> Workpiece has excessive moisture. Workpiece has high amount of residue. Sanding belt loaded up. Sanding belt worn or damaged. 	<ol style="list-style-type: none"> Only sand dry stock with moisture content below 20%. Use different stock, or accept characteristics of stock and plan to clean/replace sanding belt frequently. Clean sanding belt (Page 31). Replace sanding belt (Page 24).
Burn marks on workpiece.	<ol style="list-style-type: none"> Sanding grit too fine. Excessive feed pressure while sanding. Workpiece held still for too long against sanding belt. Sanding belt loaded up. Sanding belt worn or damaged. 	<ol style="list-style-type: none"> Use coarser grit sanding belt (Page 23). Reduce feed rate/workpiece pressure. Keep workpiece moving while sanding. Clean sanding belt (Page 31). Replace sanding belt (Page 24).
Workpiece frequently gets pulled out of hand when sanding.	<ol style="list-style-type: none"> Workpiece not supported against back stop or miter gauge. 	<ol style="list-style-type: none"> Use back stop or miter gauge to support workpiece.



Calibrating Table Tilt

For best sanding results, ensure the table angle is calibrated correctly. If calibrated correctly, the scales should read 0° (main table) or 90° (end table) when the tables are perpendicular to the sanding belt. If the scales *do not* read 0° or 90°, or you have uneven sanding results, calibrate the table tilt.

Item(s) Needed:	Qty
90° Square	1
Hex Wrench 5mm.....	1

Calibrate Main Table Tilt

1. DISCONNECT MACHINE FROM POWER!
2. Position platen vertically (refer to **Positioning Platen** on **Page 23**).
3. Remove sanding belt (refer to **Installing Belt** on **Page 24**).
4. Set one edge of 90° square on main table surface and other edge against face of platen, as shown in **Figure 51**.

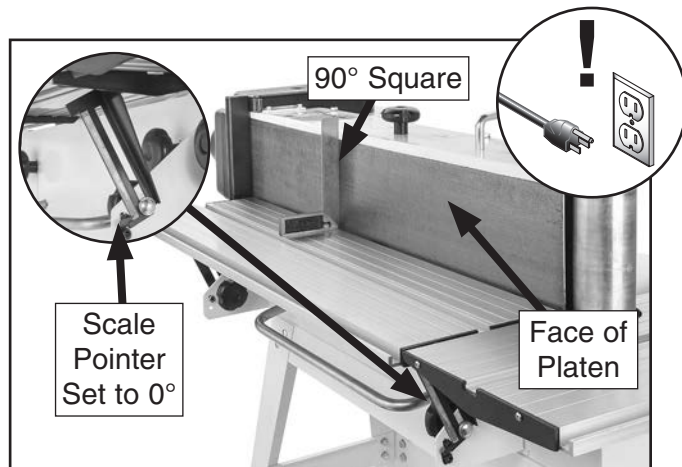


Figure 51. Calibrating main table tilt.

5. Loosen main table tilt knobs, then adjust main table angle until perpendicular to face of platen.
6. Tighten main table tilt knobs while holding table in place.

7. Loosen scale pointer cap screw (see **Figure 51**), adjust pointer to 0°, then tighten screw.
8. Re-check accuracy with 90° square.
9. Install sanding belt (refer to **Installing Belt** on **Page 24**).

Calibrate End Table Tilt

1. DISCONNECT MACHINE FROM POWER!
2. Position platen vertically (refer to **Positioning Platen** on **Page 23**).
3. Remove sanding belt (refer to **Installing Belt** on **Page 24**).
4. Set one edge of 90° square on end table surface and other edge against idler roller, as shown in **Figure 52**.

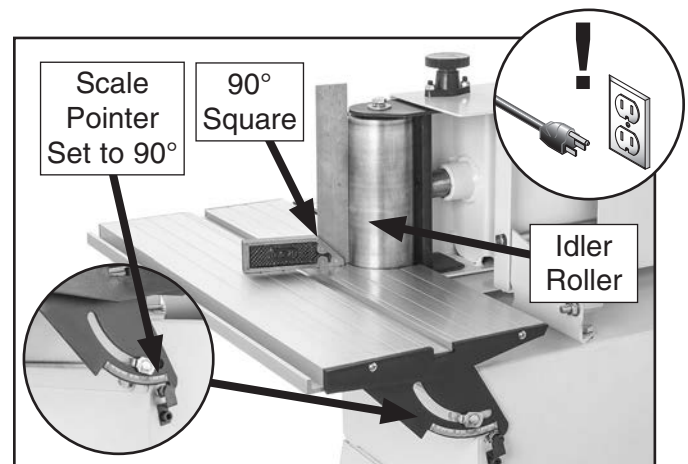


Figure 52. Calibrating end table tilt.

5. Loosen end table tilt knob, then adjust table angle until perpendicular to idler roller.
6. Tighten end table tilt knob while holding table in place.
7. Loosen scale pointer cap screw (see **Figure 52**), adjust pointer to 90°, then tighten screw.
8. Re-check accuracy with 90° square.
9. Install sanding belt (refer to **Installing Belt** on **Page 24**).



Calibrating Miter Gauge

This procedure ensures the miter gauge angle is accurate when set to 90°.

Item(s) Needed:	Qty
90° Square	1

To calibrate miter gauge:

1. DISCONNECT MACHINE FROM POWER!
2. Position platen vertically (refer to **Positioning Platen** on **Page 23**).
3. Remove sanding belt (refer to **Installing Belt** on **Page 24**).
4. Set one edge of 90° square on main table surface and other edge against face of platen, as shown in **Figure 53**.

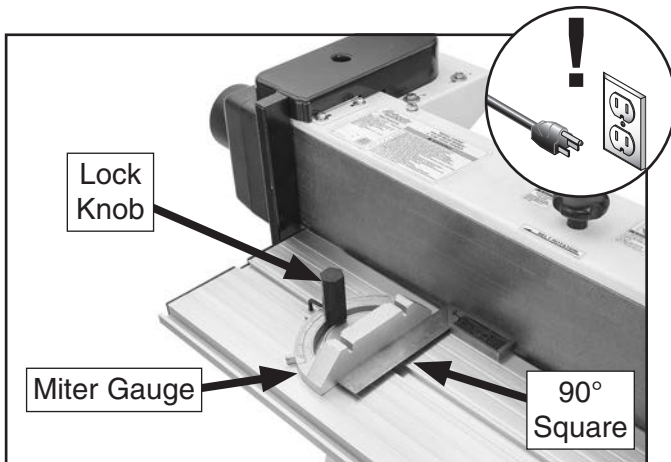


Figure 53. Squaring miter gauge to platen.

5. Loosen lock knob on miter gauge and adjust face of miter gauge so it is flush with edge of square, then tighten miter-gauge lock knob.
6. Loosen degree scale pointer screw on miter gauge, position pointer on 90°, and retighten screw.
7. Re-check accuracy with 90° square.
8. Install sanding belt (refer to **Installing Belt** on **Page 24**).

Tensioning/ Replacing V-Belt

NOTICE

After approximately 16 hours of operation, V-belt will stretch and seat into pulley grooves and need to be properly tensioned to avoid severely reducing life of V-belt.

The V-belt transfers power from the motor to the drive roller. To ensure efficient transfer of power to the drive roller, make sure the V-belt is always properly tensioned and in good condition. If the V-belt is worn, cracked, or damaged, replace it.

CAUTION

V-belt and pulley are hot after operation. Allow them to cool before handling.

Item(s) Needed:	Qty
New V-Belt (Part# P0839P041)	1
Open-End Wrench or Socket 13mm	2
Hex Wrench 5mm.....	1

To tension/replace V-belt:

1. DISCONNECT MACHINE FROM POWER!
2. Position platen vertically (refer to **Positioning Platen** on **Page 23**).
3. Remove belt cover (see **Figure 54**).

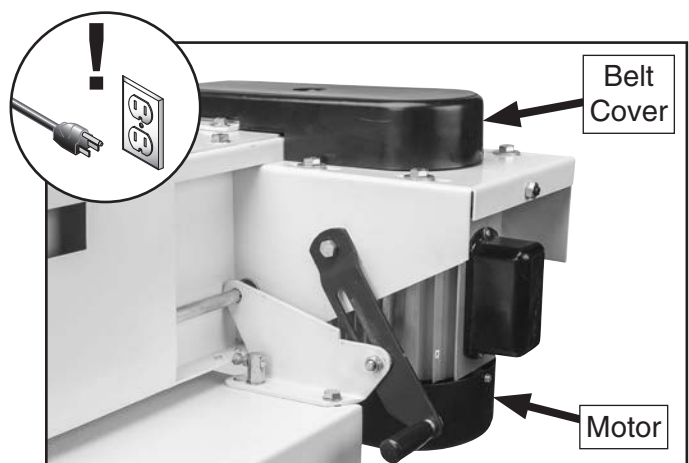


Figure 54. Belt cover location.



4. Position platen horizontally (refer to **Positioning Platen** on **Page 23**).
5. Loosen motor mount fasteners (see **Figure 55**).

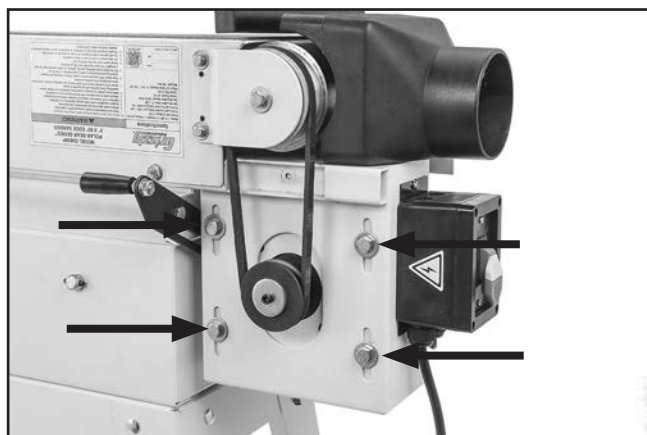


Figure 55. Motor mount fasteners location.

6. Loosen jam nut on motor stop set screw (see **Figure 56**).

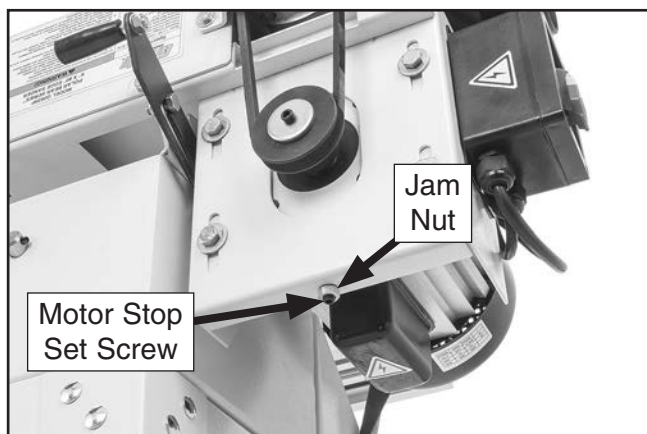


Figure 56. Motor stop set screw and jam nut location.

7. If replacing belt, lift motor as you remove old belt and replace it with new one. Make sure belt is seated in pulley grooves.
8. Press down on motor to keep tension on belt and tighten jam nut on motor stop set screw (see **Figure 56**).

9. Tighten motor mount fasteners (see **Figure 55**).
10. Press belt with moderate pressure in center to check tension. Belt is correctly tensioned when there is approximately $\frac{1}{4}$ " deflection when pushed (see **Figure 57**).

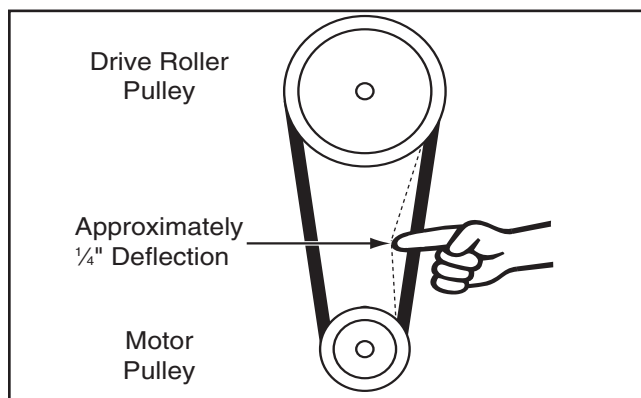


Figure 57. Correct belt deflection when properly tensioned.

— If there is more than $\frac{1}{4}$ " deflection when you check belt tension, repeat the tensioning procedure until it is correct.

11. Replace belt cover.



SECTION 8: WIRING

These pages are current at the time of printing. However, in the spirit of improvement, we may make changes to the electrical systems of future machines. Compare the manufacture date of your machine to the one stated in this manual, and study this section carefully.

If there are differences between your machine and what is shown in this section, call Technical Support at (570) 546-9663 for assistance BEFORE making any changes to the wiring on your machine. An updated wiring diagram may be available. **Note:** Please gather the serial number and manufacture date of your machine before calling. This information can be found on the main machine label.

WARNING

Wiring Safety Instructions

SHOCK HAZARD. Working on wiring that is connected to a power source is extremely dangerous. Touching electrified parts will result in personal injury including but not limited to severe burns, electrocution, or death. Disconnect the power from the machine before servicing electrical components!

MODIFICATIONS. Modifying the wiring beyond what is shown in the diagram may lead to unpredictable results, including serious injury or fire. This includes the installation of unapproved after-market parts.

WIRE CONNECTIONS. All connections must be tight to prevent wires from loosening during machine operation. Double-check all wires disconnected or connected during any wiring task to ensure tight connections.

CIRCUIT REQUIREMENTS. You MUST follow the requirements at the beginning of this manual when connecting your machine to a power source.

WIRE/COMPONENT DAMAGE. Damaged wires or components increase the risk of serious personal injury, fire, or machine damage. If you notice that any wires or components are damaged while performing a wiring task, replace those wires or components.

MOTOR WIRING. The motor wiring shown in these diagrams is current at the time of printing but may not match your machine. If you find this to be the case, use the wiring diagram inside the motor junction box.
















CAPACITORS/INVERTERS. Some capacitors and power inverters store an electrical charge for up to 10 minutes after being disconnected from the power source. To reduce the risk of being shocked, wait at least this long before working on capacitors.

EXPERIENCING DIFFICULTIES. If you are experiencing difficulties understanding the information included in this section, contact our Technical Support at (570) 546-9663.

NOTICE

The photos and diagrams included in this section are best viewed in color. You can view these pages in color at www.grizzly.com.

COLOR KEY

BLACK		BLUE		YELLOW		LIGHT BLUE	
WHITE		BROWN		YELLOW GREEN		BLUE WHITE	
GREEN		GRAY		PURPLE		TURQUOISE	
RED		ORANGE		PINK			



Electrical Components



Figure 58. G0839P switch box and connections.

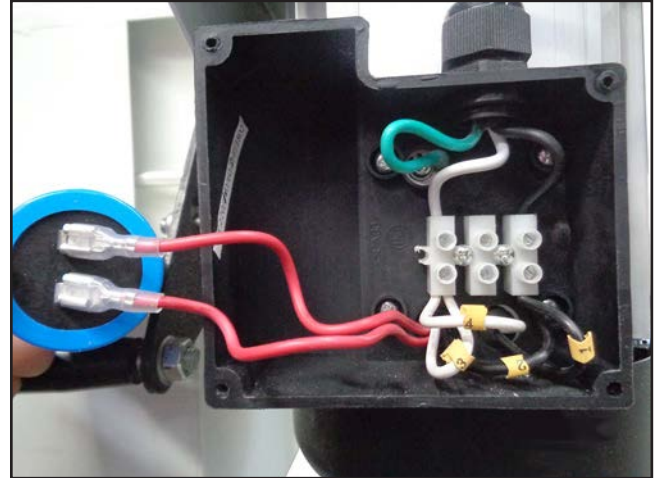


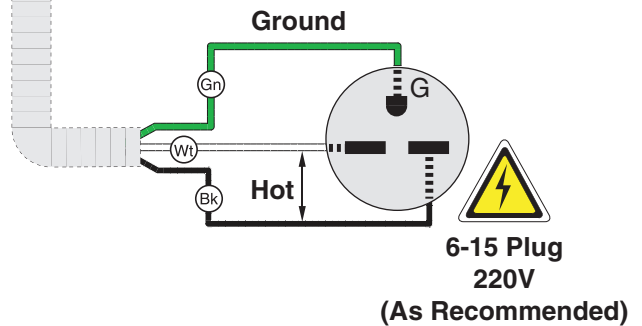
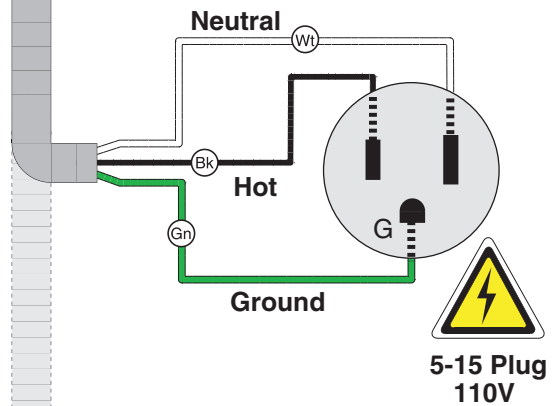
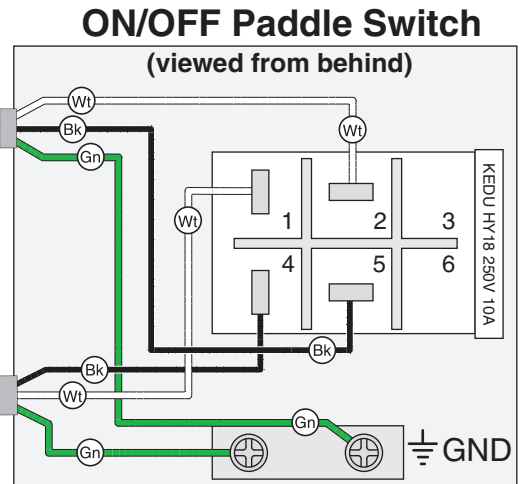
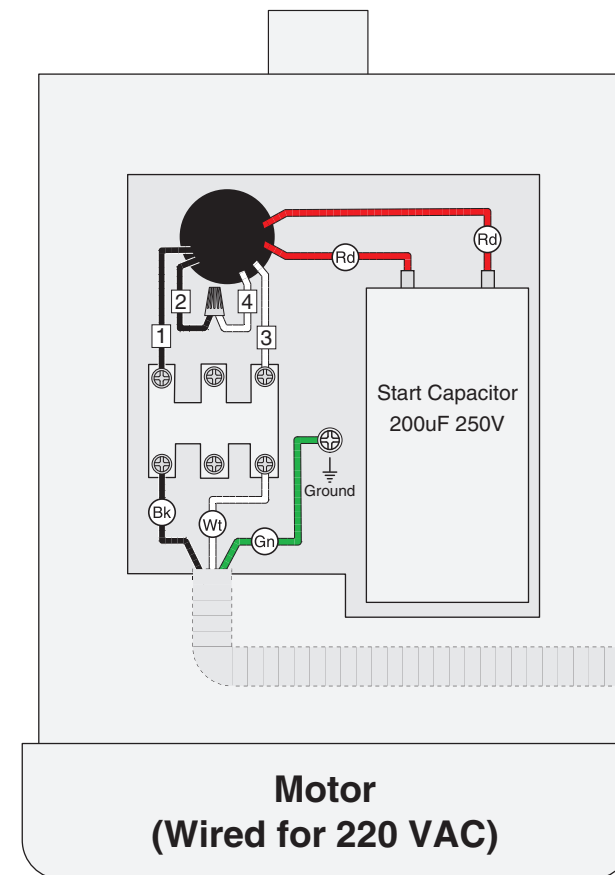
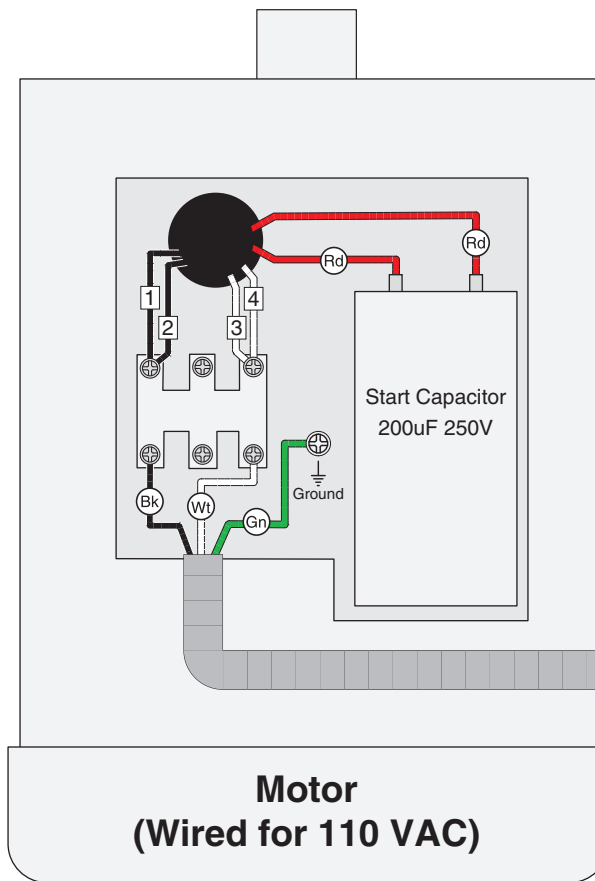
Figure 60. G0839P motor junction box and connections (wired for 110V).



Figure 59. G0839P start capacitor.



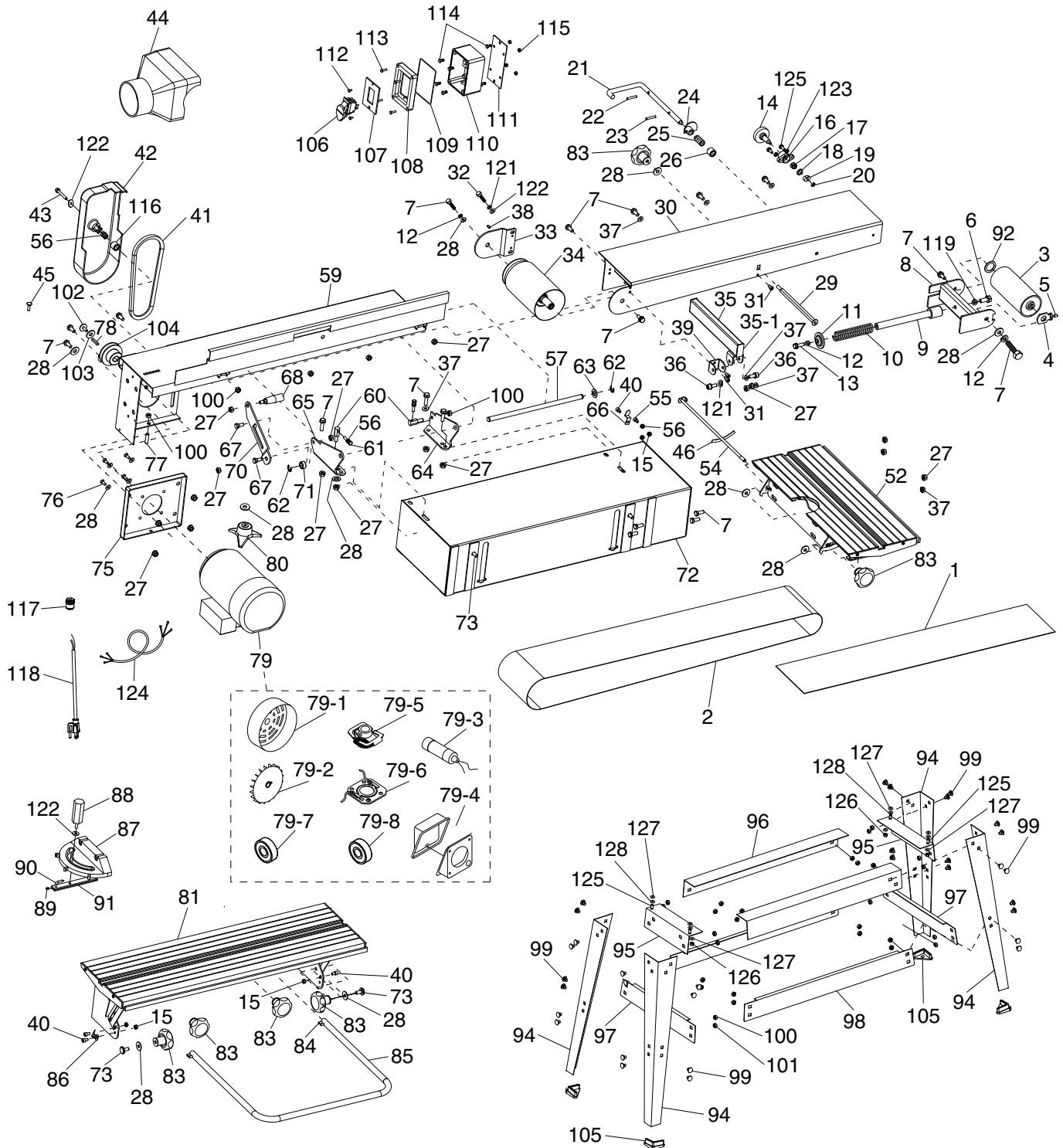
Wiring Diagram



SECTION 9: PARTS

We do our best to stock replacement parts when possible, but we cannot guarantee that all parts shown are available for purchase. Call **(800) 523-4777** or visit **www.grizzly.com/parts** to check for availability.

Main



Main Parts List

REF	PART #	DESCRIPTION
1	P0839P001	GRAPHITE PLATEN 6" X 32"
2	P0839P002	SANDING BELT 80-GRIT 6" X 79" (2PK)
3	P0839P003	DRIVE ROLLER
4	P0839P004	DRIVE ROLLER ADJUSTMENT BLOCK
5	P0839P005	SET SCREW M6-1 X 12
6	P0839P006	HEX BOLT M10-1.5 X 25
7	P0839P007	HEX BOLT M8-1.25 X 20
8	P0839P008	DRIVE ROLLER BRACKET
9	P0839P009	BELT TRACKING SHAFT
10	P0839P010	COMPRESSION SPRING
11	P0839P011	SPRING RETAINER
12	P0839P012	LOCK WASHER 8MM
13	P0839P013	HEX BOLT M8-1.25 X 25
14	P0839P014	BELT TRACKING KNOB
15	P0839P015	LOCK NUT M6-1
16	P0839P016	TRACKING KNOB BASE
17	P0839P017	COMPRESSION SPRING
18	P0839P018	SPRING RETAINER
19	P0839P019	SLIDE
20	P0839P020	C-CLIP 4MM
21	P0839P021	BELT TENSIONING HANDLE
22	P0839P022	ROLL PIN 5 X 30
23	P0839P023	ROLL PIN 5 X 20
24	P0839P024	CAM
25	P0839P025	COMPRESSION SPRING
26	P0839P026	SLEEVE
27	P0839P027	LOCK NUT M8-1.25
28	P0839P028	FENDER WASHER 8MM
29	P0839P029	LATCH BAR
30	P0839P030	PLATEN
31	P0839P031	CAP SCREW M6-1 X 10
32	P0839P032	HEX BOLT M6-1 X 16
33	P0839P033	DRIVE ROLLER BRACKET
34	P0839P034	DRIVE ROLLER
35	P0839P035	BACK STOP
35-1	P0839P035-1	BACK STOP END CAP
36	P0839P036	HEX BOLT M8-1.25 X 20
37	P0839P037	FLAT WASHER 8MM
38	P0839P038	ROLL PIN 5 X 10
39	P0839P039	BACK STOP BASE
40	P0839P040	CAP SCREW M6-1 X 12
41	P0839P041	V-BELT 1306
42	P0839P042	BELT COVER
43	P0839P043	CAP SCREW M6-1 X 45
44	P0839P044	DUST PORT 4"
45	P0839P045	CARRIAGE BOLT M6-1 X 20
46	P0839P046	ANGLE SCALE
52	P0839P052	END TABLE
54	P0839P054	LOCK BAR

REF	PART #	DESCRIPTION
55	P0839P055	CAP SCREW M6-1 X 12
56	P0839P056	HEX NUT M6-1
57	P0839P057	SUPPORT ROD
59	P0839P059	SANDER SUB-BASE W/DOOR
60	P0839P060	LIMIT BOLT M8-1.25 X 20
61	P0839P061	HEX BOLT M6-1 X 25
62	P0839P062	E-CLIP 9MM
63	P0839P063	FLAT WASHER 12MM
64	P0839P064	RIGHT SUPPORT BRACKET
65	P0839P065	LEFT SUPPORT BRACKET
66	P0839P066	POINTER
67	P0839P067	CARRIAGE BOLT M8-1.25 X 20
68	P0839P068	FIXED HANDLE 20 X 52, M8-1.25 X 12
70	P0839P070	PLATEN LOCK BAR
71	P0839P071	SPACER
72	P0839P072	SANDER BASE
73	P0839P073	HEX BOLT M8-1.25 X 20
75	P0839P075	MOTOR CONNECTION PLATE
76	P0839P076	HEX BOLT M6-1 X 12
77	P0839P077	SET SCREW M8-1.25 X 40
78	P0839P078	KEY 5 X 5 X 30
79	P0839P079	MOTOR 1.5HP 110V/220V 1-PH
79-1	P0839P079-1	FAN COVER
79-2	P0839P079-2	MOTOR FAN
79-3	P0839P079-3	S CAPACITOR 200M 250V 1-5/8" X 2-7/8"
79-4	P0839P079-4	MOTOR JUNCTION BOX
79-5	P0839P079-5	CENTRIFUGAL SWITCH
79-6	P0839P079-6	CONTACT PLATE
79-7	P0839P079-7	BALL BEARING 6204-2RS
79-8	P0839P079-8	BALL BEARING 6203-2RS
80	P0839P080	KNOB M6-1, 30D, 4-LOBE
81	P0839P081	EDGE TABLE
83	P0839P083	KNOB M8-1.25, 60D, 4-LOBE
84	P0839P084	ROLL PIN 5 X 25
85	P0839P085	EDGE TABLE HEIGHT HANDLE
86	P0839P086	TABLE POINTER
87	P0839P087	MITER GAUGE BASE
88	P0839P088	FIXED HANDLE M6-1 X 20, 26 X 65
89	P0839P089	SET SCREW M5-.8 X 6
90	P0839P090	POINTER
91	P0839P091	MITER GAUGE SLIDE
92	P0839P092	IDLER ROLLER END RING
94	P0839P094	STAND LEG
95	P0839P095	UPPER END STAND BRACE
96	P0839P096	UPPER SIDE STAND BRACE
97	P0839P097	LOWER END STAND BRACE
98	P0839P098	LOWER SIDE STAND BRACE
99	P0839P099	CARRIAGE BOLT M8-1.25 X 12



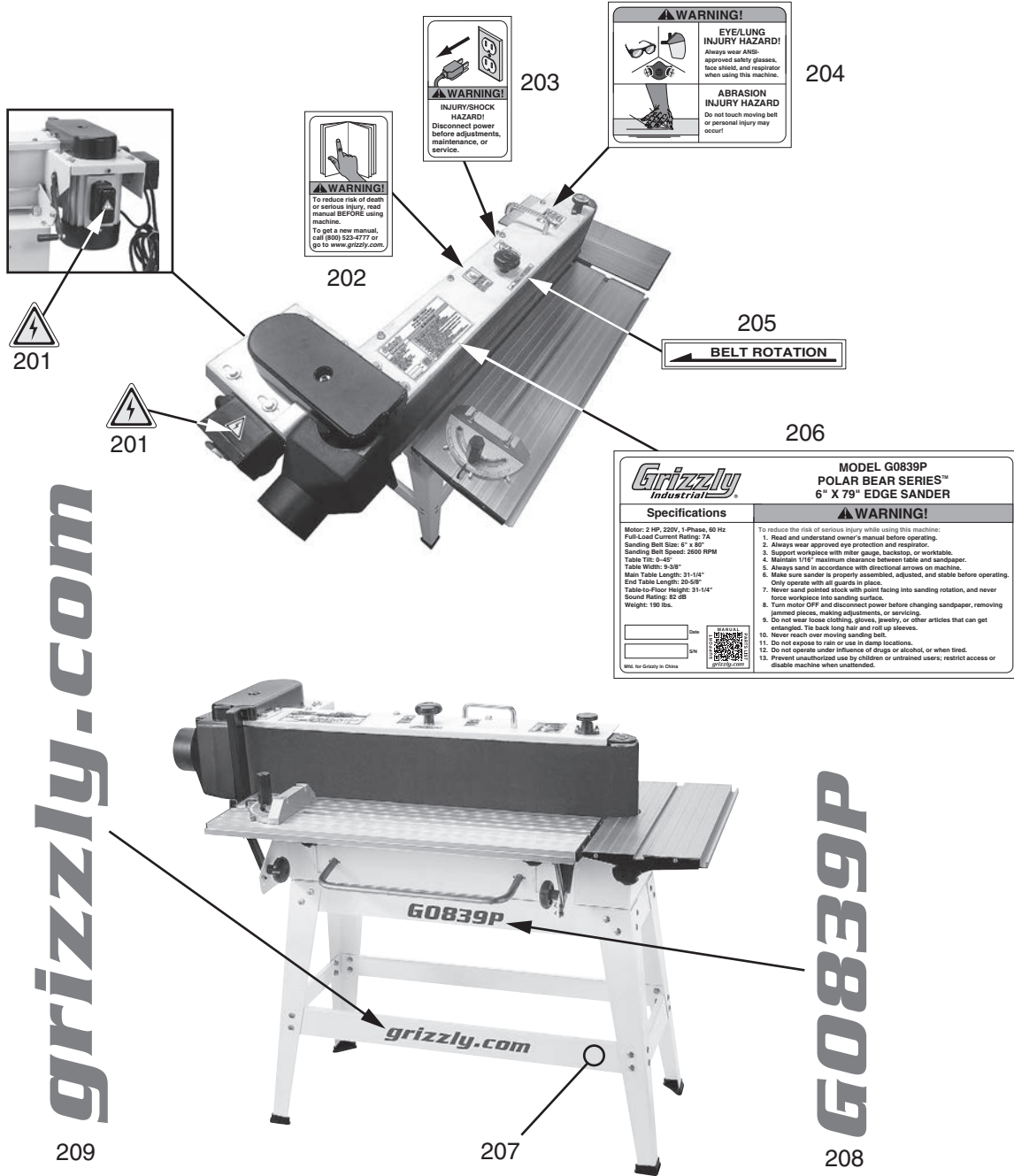
Main Parts List, Continued

REF	PART #	DESCRIPTION
100	P0839P100	HEX NUT M8-1.25
101	P0839P101	FLAT WASHER 8MM
102	P0839P102	CAP SCREW 6-1 X 20 LH
103	P0839P103	FENDER WASHER 6MM
104	P0839P104	MOTOR PULLEY
105	P0839P105	RUBBER FOOT
106	P0839P106	PADDLE SWITCH KEDU HY 18-4P
107	P0839P107	SWITCH PLATE
108	P0839P108	UPPER SWITCH BOX COVER
109	P0839P109	GASKET
110	P0839P110	SWITCH BOX
111	P0839P111	COVER PLATE, METAL
112	P0839P112	PHLP HD SCR M4-.7 X 10
113	P0839P113	PHLP HD SCR M4-.7 X 16

REF	PART #	DESCRIPTION
114	P0839P114	PHLP HD SCR M5-.8 X 16
115	P0839P115	HEX NUT M5-.8
116	P0839P116	LOCATING SLEEVE
117	P0839P117	STRAIN RELIEF TYPE 3 PG9
118	P0839P118	POWER CORD 3W 14G 72" 6-15P
119	P0839P119	LOCK WASHER 10MM
121	P0839P121	LOCK WASHER 6MM
122	P0839P122	FENDER WASHER 6MM
123	P0839P123	LOCK NUT M6-1
124	P0839P124	MOTOR CORD 3W 18G 12"
125	P0839P125	HEX BOLT M6-1 X 20
126	P0839P126	HEX NUT M6-1
127	P0839P127	LOCK WASHER 6MM
128	P0839P128	FLAT WASHER 6MM



Labels & Cosmetics



REF	PART #	DESCRIPTION
201	P0839P201	ELECTRICAL LABEL
202	P0839P202	READ MANUAL LABEL
203	P0839P203	INJURY/SHOCK HAZARD LABEL
204	P0839P204	WARNING LABEL
205	P0839P205	BELT ROTATION LABEL

REF	PART #	DESCRIPTION
206	P0839P206	MACHINE ID LABEL
207	P0839P207	TOUCH-UP PAINT, POLAR BEAR WHITE
208	P0839P208	GRIZZLY.COM LABEL
209	P0839P209	MODEL NUMBER LABEL

⚠ WARNING

Safety labels help reduce the risk of serious injury caused by machine hazards. If any label comes off or becomes unreadable, the owner of this machine **MUST** replace it in the original location before resuming operations. For replacements, contact (800) 523-4777 or www.grizzly.com.





WARRANTY CARD

Name _____

Street _____

City _____ State _____ Zip _____

Phone # _____ Email _____

Model # _____ Order # _____ Serial # _____

*The following information is given on a voluntary basis. It will be used for marketing purposes to help us develop better products and services. **Of course, all information is strictly confidential.***

1. How did you learn about us?

- Advertisement Friend Catalog
- Card Deck Website Other:

2. Which of the following magazines do you subscribe to?

- | | | |
|---|--|---|
| <input type="checkbox"/> Cabinetmaker & FDM | <input type="checkbox"/> Popular Science | <input type="checkbox"/> Wooden Boat |
| <input type="checkbox"/> Family Handyman | <input type="checkbox"/> Popular Woodworking | <input type="checkbox"/> Woodshop News |
| <input type="checkbox"/> Hand Loader | <input type="checkbox"/> Precision Shooter | <input type="checkbox"/> Woodsmith |
| <input type="checkbox"/> Handy | <input type="checkbox"/> Projects in Metal | <input type="checkbox"/> Woodwork |
| <input type="checkbox"/> Home Shop Machinist | <input type="checkbox"/> RC Modeler | <input type="checkbox"/> Woodworker West |
| <input type="checkbox"/> Journal of Light Cont. | <input type="checkbox"/> Rifle | <input type="checkbox"/> Woodworker's Journal |
| <input type="checkbox"/> Live Steam | <input type="checkbox"/> Shop Notes | <input type="checkbox"/> Other: |
| <input type="checkbox"/> Model Airplane News | <input type="checkbox"/> Shotgun News | |
| <input type="checkbox"/> Old House Journal | <input type="checkbox"/> Today's Homeowner | |
| <input type="checkbox"/> Popular Mechanics | <input type="checkbox"/> Wood | |

3. What is your annual household income?

- | | | |
|--|--|--|
| <input type="checkbox"/> \$20,000-\$29,000 | <input type="checkbox"/> \$30,000-\$39,000 | <input type="checkbox"/> \$40,000-\$49,000 |
| <input type="checkbox"/> \$50,000-\$59,000 | <input type="checkbox"/> \$60,000-\$69,000 | <input type="checkbox"/> \$70,000+ |

4. What is your age group?

- | | | |
|--------------------------------|--------------------------------|--------------------------------|
| <input type="checkbox"/> 20-29 | <input type="checkbox"/> 30-39 | <input type="checkbox"/> 40-49 |
| <input type="checkbox"/> 50-59 | <input type="checkbox"/> 60-69 | <input type="checkbox"/> 70+ |

5. How long have you been a woodworker/metalworker?

- | | | | |
|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|
| <input type="checkbox"/> 0-2 Years | <input type="checkbox"/> 2-8 Years | <input type="checkbox"/> 8-20 Years | <input type="checkbox"/> 20+ Years |
|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|

6. How many of your machines or tools are Grizzly?

- | | | | |
|------------------------------|------------------------------|------------------------------|------------------------------|
| <input type="checkbox"/> 0-2 | <input type="checkbox"/> 3-5 | <input type="checkbox"/> 6-9 | <input type="checkbox"/> 10+ |
|------------------------------|------------------------------|------------------------------|------------------------------|

7. Do you think your machine represents a good value? Yes No

8. Would you recommend Grizzly Industrial to a friend? Yes No

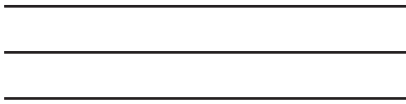
9. Would you allow us to use your name as a reference for Grizzly customers in your area?

Note: *We never use names more than 3 times.* Yes No

10. Comments: _____

CUT ALONG DOTTED LINE

FOLD ALONG DOTTED LINE



Place
Stamp
Here



GRIZZLY INDUSTRIAL, INC.
P.O. BOX 2069
BELLINGHAM, WA 98227-2069



FOLD ALONG DOTTED LINE

Send a Grizzly Catalog to a friend:

Name	_____
Street	_____
City	_____ State _____ Zip _____

TAPE ALONG EDGES--PLEASE DO NOT STAPLE

WARRANTY & RETURNS

Grizzly Industrial, Inc. warrants every product it sells for a period of **1 year** to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations or lack of maintenance. This is Grizzly's sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall Grizzly's liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Grizzly shall be tried in the State of Washington, County of Whatcom.

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 products.

To take advantage of this warranty, contact us by mail or phone and give us all the details. We will then issue you a "Return Number," which must be clearly posted on the outside as well as the inside of the carton. We will not accept any item back without this number. Proof of purchase must accompany the merchandise.

The manufacturers reserve the right to change specifications at any time because they constantly strive to achieve better quality equipment. We make every effort to ensure that our products meet high quality and durability standards and we hope you never need to use this warranty.

Please feel free to write or call us if you have any questions about the machine or the manual.

Thank you again for your business and continued support. We hope to serve you again soon.

grizzly.com[®]

TOOL WEBSITE

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