

Grizzly *Industrial, Inc.*®

MODEL G0489 METALWORKING SANDER OWNER'S MANUAL



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**WARNING: NO PORTION OF THIS MANUAL MAY BE REPRODUCED IN ANY SHAPE
OR FORM WITHOUT THE WRITTEN APPROVAL OF GRIZZLY INDUSTRIAL, INC.**

#PC7920 PRINTED IN CHINA



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

Manual Accuracy

We are proud to offer this document with your new machine! We've made every effort to be exact with the instructions, specifications, drawings, and photographs of the machine we used when writing this manual. However, sometimes we still make an occasional mistake.

Also, owing to our policy of continuous improvement, **your machine may not exactly match the manual**. If you find this to be the case, and the difference between the manual and machine leaves you in doubt, immediately call our technical support for updates or clarification.

For your convenience, we post all available documentation on our website at **www.grizzly.com**. Any updates to this document will be reflected on our website as soon as complete.

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





MACHINE DATA SHEET

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

GRIZZLY MODEL G0489 METALWORKING SANDER

Design Type Floor Model

Product Dimensions:

Height 48"
Width 22½"
Length 39"
Weight 188 lbs.
Footprint 13¾" x 20¾"

Shipping Dimensions:

Height 21"
Width 30"
Length 46"
Weight (Approx) 210 lbs.

Electrical:

Switch Magnetic with Thermal Overload Protection
Switch Voltage 220V
Cord Length 6'
Recommended Breaker Size 15 Amp
Plug Not Included

Motor:

Type TEFC
Horsepower 4 HP
Phase / Voltage 3-Phase / 220V
Amperage 11
Cycle and RPM 60 Hertz / 1725 RPM
Switch Push Button with Safety Cover
Power Transfer Direct Drive
Bearings Sealed, Permanently Lubricated

Main Specifications:

Belt Size 3" x 79"
Platen Material Graphite
Platen Length 20½"
Contact Wheel Diameter 8"
Contact Wheel Surface Rubber
Belt Release Spring Loaded Quick Release
Sanding Belt Speed 3937 Sfpm
Sanding Belt Tilt 30°
Belt Height in Horizontal Position 4"
Main Construction Formed Steel
Drive Wheel Construction Cast Aluminum

Features:

..... 4" Dust Port
..... Single Knob Tracking Adjustment

Specifications, while deemed accurate, are not guaranteed.



Identification

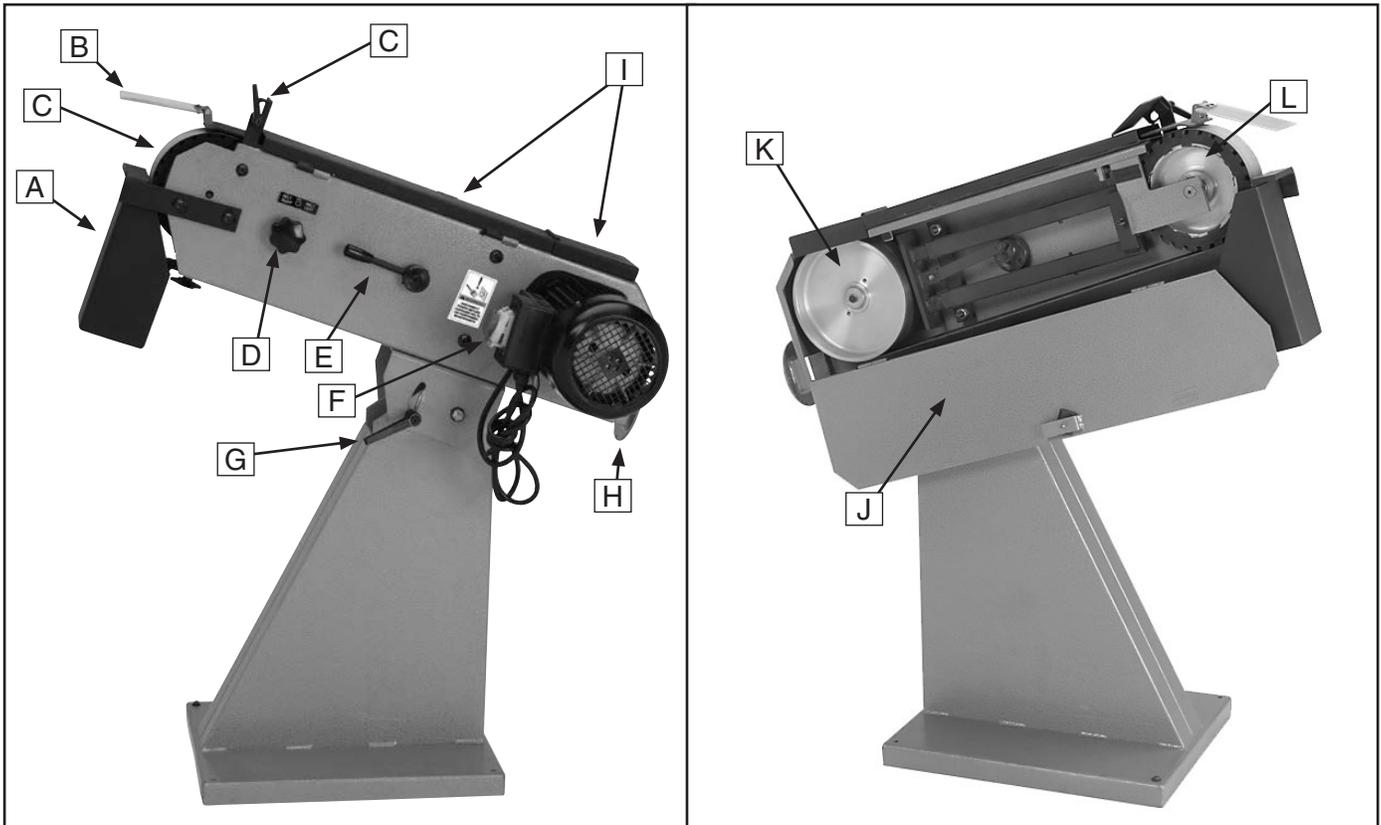


Figure 1. Machine Identification.

- A.** Spark Trap
- B.** Eye Shield
- C.** Tool/Work Rests
- D.** Belt Tracking Adjustment Knob
- E.** Belt Tension Release Lever
- F.** ON/OFF Switch

- G.** Angle Adjustment Lever
- H.** Dust Port
- I.** Belt Guards Long & Short
- J.** Cover Door
- K.** Drive Wheel
- L.** Contact Wheel



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 This symbol is used to alert the user to useful information about proper operation of the machine.

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.



WARNING

Additional Safety for Belt Sanders

- 1. RESPIRATOR AND SAFETY GLASSES.** Always wear a respirator and safety glasses while operating the machine. Dust and chips are created when sanding. Some debris will be ejected, becoming hazards to the eyes and lungs.
- 2. PROTECT YOUR HEARING.** Always wear approved hearing safety equipment when operating this belt sander.
- 3. DUST COLLECTION SYSTEM.** Never operate the sander without an adequate dust collection system in place and running. Use only a system rated for metal dust collection.
- 4. CLOTHING.** DO NOT wear loose clothing while operating this machine. Roll up or button sleeves at the cuff.
- 5. HAND PROTECTION.** DO NOT place hands near, or in contact with, sanding belt during operation!
- 6. HOT WORKPIECES.** Friction will cause the workpiece to heat to the point of causing burns to the skin.
- 7. FLAMMABLE MATERIALS.** Sanding metal will cause sparks. Make sure there are no flammable or combustible materials near sander.
- 8. FEEDING STOCK.** Firmly grasp the workpiece in both hands and ease it into the machine using light pressure. DO NOT jam the workpiece into the machine during operation. Feed the workpiece against the direction of rotation. DO NOT sand tapered or pointed stock with the point facing the feed direction. Never sand more than one piece of stock at a time.
- 9. BELT GUARDS.** Use belt guards when the section of belt is not being used to avoid unintended contact with the belt. Always keep door closed during operation.
- 10. REPLACING SANDPAPER.** Replace sanding paper when it becomes worn. DO NOT operate the sander with a damaged or badly worn sandpaper.
- 11. MAINTENANCE AND ADJUSTMENTS.** Perform machine inspections and maintenance service promptly when called for. Disconnect power before performing maintenance or adjustments on the sander.
- 12. EXPERIENCING DIFFICULTIES.** Any problem, with the exception of conveyor belt tracking that is concerned with any moving parts or accessories, must be investigated and corrected with the power disconnected, and after all moving parts have come to a complete stop.

WARNING

Like all machines, there is danger associated with the Model G0489. Accidents are frequently caused by lack of familiarity or failure to pay attention. Use this machine with respect and caution to lessen the possibility of operator injury. If normal safety precautions are overlooked or ignored, serious personal injury may occur.

CAUTION

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.



SECTION 2: CIRCUIT REQUIREMENTS

220 3-Phase

⚠️ WARNING

Serious personal injury could occur if you connect your machine to the power source before you have completed the set up process. **DO NOT** connect the machine to the power source until instructed to do so.

Amperage Draw

The Model G0489 features a 220V motor that draws the following amps under maximum load:

Motor Draw at 220V..... 11 Amps

Circuit Requirements

We recommend connecting this machine to a dedicated circuit with a verified ground, using the circuit breaker size given below. Never replace a circuit breaker with one of higher amperage without consulting a qualified electrician to ensure compliance with wiring codes. **If you are unsure about the wiring codes in your area or you plan to connect your machine to a shared circuit, you may create a fire hazard—consult a qualified electrician to reduce this risk.**

220V Circuit Breaker 15 Amps

Connection Type

Recommended connection type (see **Figures 2 & 3** for an example):

220V Locking Shut-Off Switch

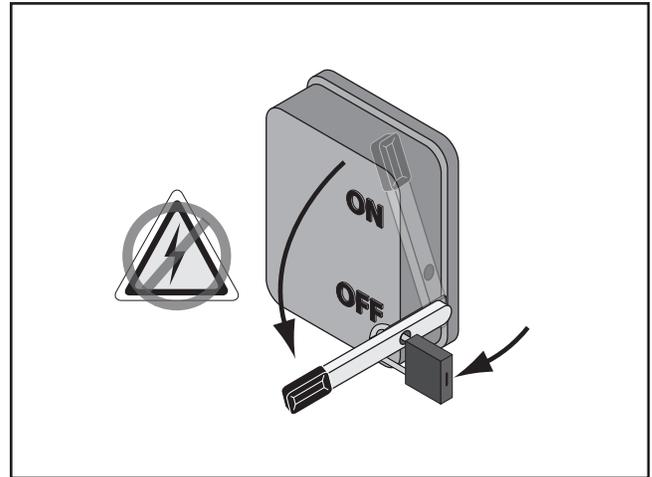


Figure 2. A locking shut-off switch near the machine.

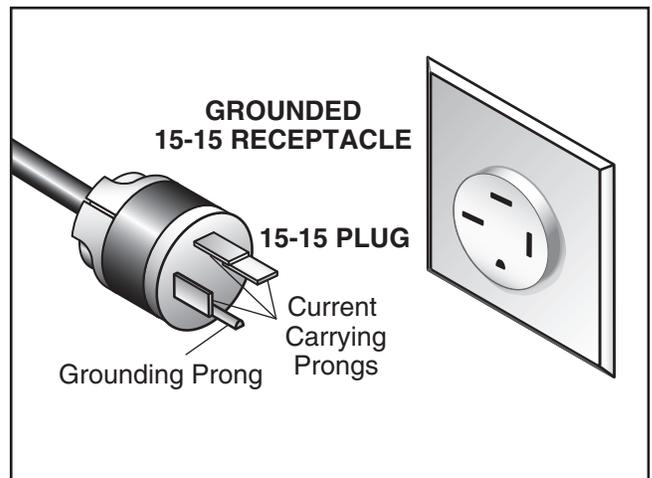


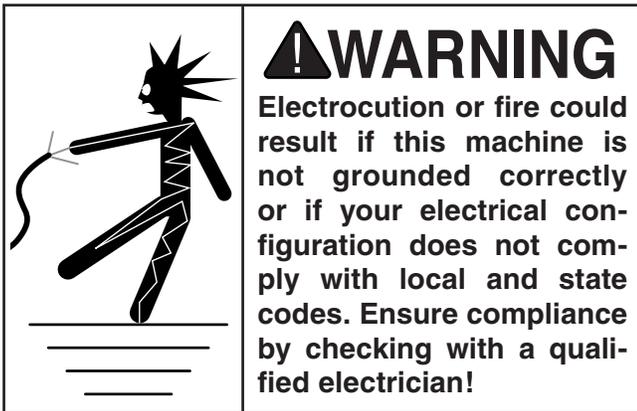
Figure 3. 15-15R plug and receptacle.



Grounding

In the event of an electrical short, grounding reduces the risk of electric shock. The grounding wire in the power cord must be properly connected to the grounding prong on the plug; likewise, the outlet must be properly installed and grounded. All electrical connections must be made in accordance with local codes and ordinances.

Improper connections of the electrical-grounding conductor increases the risk of electric shock. Check with a qualified electrician or one of our service personnel if you do not understand the grounding instructions, or if you doubt the machine is properly grounded.



Phase Converter

When using a phase converter, the power from the manufactured power leg (sometimes called the wild wire) can fluctuate. Connect the manufactured power leg to the S terminal to prevent damage to the transformer. The wire from the S terminal can handle some fluctuation because it goes directly to the motor. The power going to the R and T terminals goes to the transformer and must be consistent to prevent damage.

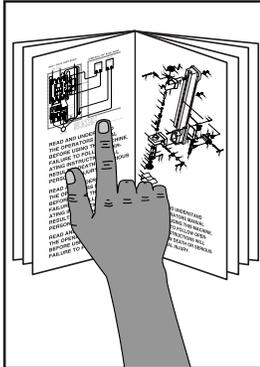
Extension Cords

Because of the high amperage draw from this machine, we do not recommend the use of extension cords. Instead, position your equipment near installed wiring to eliminate the need for extension cords.



SECTION 3: SET UP

Set Up Safety



!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 set up process!



!WARNING
The Model G0489 is a heavy machine. DO NOT over-exert yourself while unpacking or moving your machine—get assistance.

Items Needed for Set Up

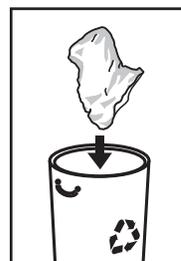
The following items are needed to complete the set up process, but are not included with your machine:

Description	Qty
• Safety Glasses (for each person)	1
• Dust Collection System	1
• Cleaning Solvent	1
• Shop Towels.....	1
• Floor Mounting Hardware.....	1
• Wrench or Socket 19mm.....	1
• Assistants	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. Discard immediately.



Inventory

After all the parts have been removed from the two boxes, you should have the following items:

Box 1: (Figures 4, & 5)	Qty
A. Metalworking Sander.....	1
B. Spark Trap.....	1
C. Rest.....	1
D. Eye Shield.....	1
E. Angle Adjustment Lever.....	1
F. Flat Washer 12mm.....	1
G. Sleeve.....	1
H. Hex Nut M12-1.75 (Base).....	1
I. Fender Washers 12mm (Base).....	2
J. Hex Bolt M12-1.75 X 150 (Base).....	1

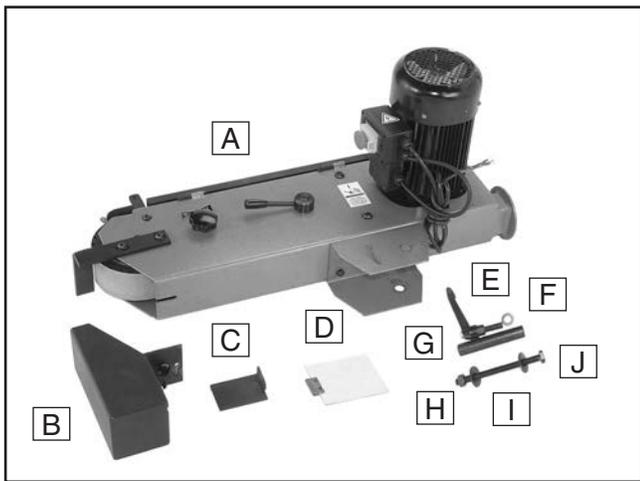


Figure 4. Model G0489 Inventory.

K. Base 1



Figure 5. Model G0489 Base.

In the event that any nonproprietary parts are missing (e.g. a nut or a washer), we would be glad to replace them, or for the sake of expediency, replacements can be obtained at your local hardware store.

NOTICE

Some hardware/fasteners on the inventory list may arrive pre-installed on the machine. Check these locations before assuming that any items from the inventory list are missing.



Clean Up

The unpainted surfaces of your machine are coated with a heavy-duty rust preventative that prevents corrosion during shipment and storage. This rust preventative works extremely well, but it will take a little time to clean.

Be patient and do a thorough job cleaning your machine. The time you spend doing this now will give you a better appreciation for the proper care of your machine's unpainted surfaces.

There are many ways to remove this rust preventative, but the following steps work well in a wide variety of situations. Always follow the manufacturer's instructions with any cleaning product you use and make sure you work in a well-ventilated area to minimize exposure to toxic fumes.

Before cleaning, gather the following:

- Disposable rags
- Cleaner/degreaser (WD-40 works well)
- Safety glasses & disposable gloves
- Plastic paint scraper (optional)

Basic steps for removing rust preventative:

1. Put on safety glasses.
2. Coat the rust preventative with a liberal amount of cleaner/degreaser, then let it soak for 5–10 minutes.
3. Wipe off the surfaces. If your cleaner/degreaser is effective, the rust preventative will wipe off easily. If you have a plastic paint scraper, scrape off as much as you can first, then wipe off the rest with the rag.
4. Repeat **Steps 2–3** as necessary until clean, then coat all unpainted surfaces with a quality metal protectant to prevent rust.

NOTICE

Avoid chlorine-based solvents, such as acetone or brake parts cleaner, that may damage painted surfaces.

Site Considerations

Floor Load

Refer to the **Machine Data Sheet** for the weight and footprint specifications of your machine. Some floors may require additional reinforcement to support both the machine and operator.

Working Clearances

Consider existing and anticipated needs, size of material to be processed through each machine, and space for auxiliary stands, work tables or other machinery when establishing a location for your new machine. See **Figure 6** for the minimum working clearances.

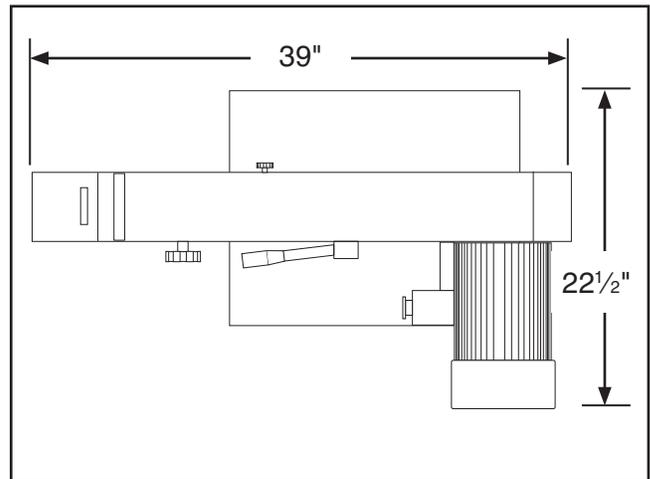
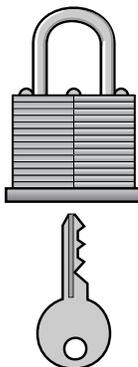


Figure 6. Minimum working clearances.

	<h2>CAUTION</h2> <p>Unsupervised children and visitors inside your shop could cause serious personal injury to themselves. Lock all entrances to the shop when you are away and DO NOT allow unsupervised children or visitors in your shop at any time!</p>
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Mounting to Shop Floor

Although not required, we recommend that you mount your new machine to the floor. Because this is an optional step and floor materials may vary, floor mounting hardware is not included. Generally, you can either bolt your machine to the floor or mount it on machine mounts. Both options are described below. Whichever option you choose, it is necessary to level your machine with a precision level.

Bolting to Concrete Floors

Lag shield anchors with lag bolts (**Figure 7**) and anchor studs (**Figure 8**) are two popular methods for anchoring an object to a concrete floor. We suggest you research the many options and methods for mounting your machine and choose the best that fits your specific application.

NOTICE

Anchor studs are stronger and more permanent alternatives to lag shield anchors; however, they will stick out of the floor, which may cause a tripping hazard if you decide to move your machine.

Using Machine Mounts

Using machine mounts, shown in **Figure 9**, gives the advantage of fast leveling and vibration reduction. The large size of the foot pads distributes the weight of the machine to reduce strain on the floor. Machine mounts for this machine use Grizzly Model G7158.



Figure 7. Typical lag shield anchor and lag bolt.



Figure 8. Typical anchor stud.



Figure 9. Machine mount example.



Mounting Sander

This step may require three people to complete—two to lift and hold the sander in place, and one person to install the hardware.

Components and Hardware Needed:	Qty
Sleeve.....	1
Hex Bolt M12-1.75 X 150	1
Hex Nut M12-1.75	1
Fender Washers 12mm	2
Helpers	2
Angle Adjustment Lever	1
Flat Washer 12mm	1

To mount the sander to the base:

1. Set the base in the upright position.
2. Slide the sleeve through the holes so it spans the width of the base yoke.
3. With the aid of a couple helpers, lift the sander, spread the yoke on the sander slightly and set onto the base (see **Figure 10**).
4. Slide the hex bolt and fender washers through the sleeve and tighten the hex nut.
5. Thread the angle adjustment lever through the flat washer and slot and tighten the sander in position.

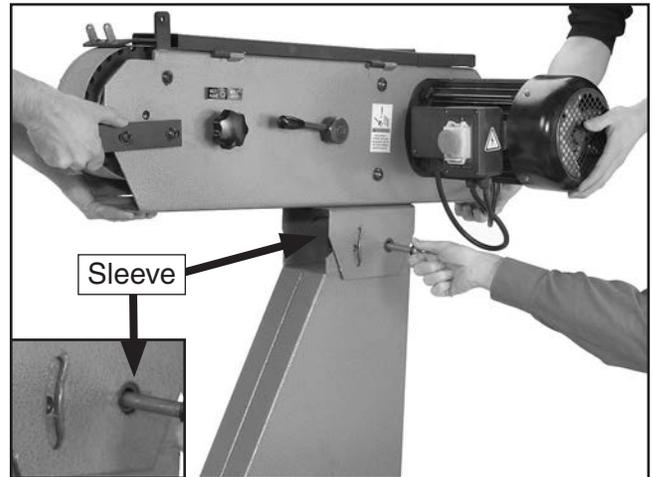


Figure 10. Base installation.

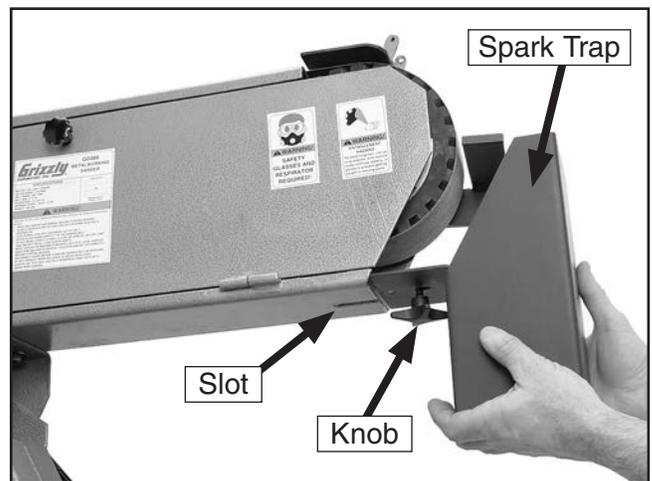


Figure 11. Spark trap installation.

Spark Trap, Rest & Eye Shield

Theses components **MUST** be mounted before operation. Refer to **Figures 11-13** for assembly/ installation.

Components and Hardware Needed:	Qty
Spark Trap.....	1
Eye Shield	1
Rest	1
Rest Lever	1
Square Nut	1
Cap Screw M5-.8 x 50.....	1

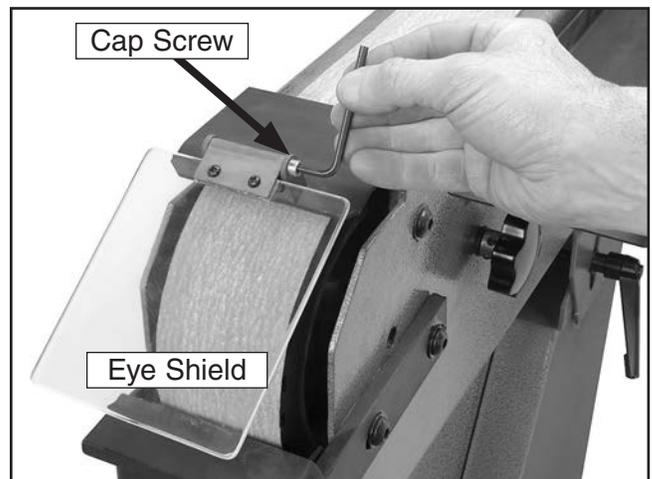


Figure 12. Eye shield installation.



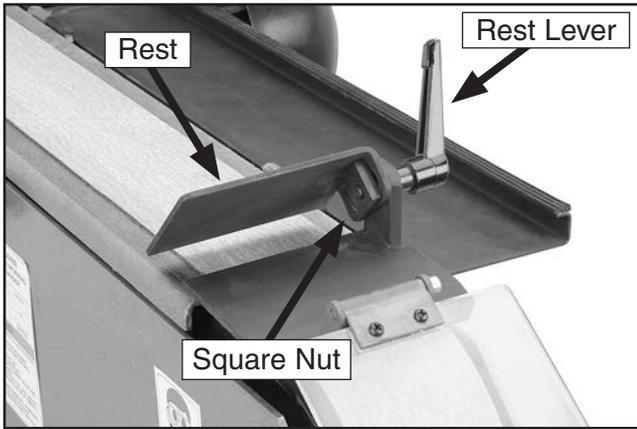


Figure 13. Rest installation.

Dust Collection

! CAUTION

DO NOT operate the Model G0489 with a dust collection system that has been previously used for wood dust collection or other combustible material. Hot metal sparks and fragments could cause material to ignite! **DO NOT** attach to plastic fittings or dust collection system not rated specifically for metal dust collection!

The Model G0489 comes with a 4" dust port ready to attach to your metal dust collection system. Your dust collection system is unique so we cannot give you specific instructions to cover all the possible set up options.

To connect a dust collection hose:

1. Fit your dust hose over the dust port and secure in place with a hose clamp.

Test Run

Once the assembly is complete, test run your machine to make sure it runs properly.

If, during the test run, you cannot easily locate the source of an unusual noise or vibration, stop using the machine immediately.

If you cannot remedy a problem, contact our Tech Support at (570) 546-9663 for assistance.

To test run the machine:

1. Connect the machine to the power source.
2. Make sure you have read the safety instructions at the beginning of the manual and that the machine is setup properly.
3. Make sure all tools and objects used during set up are cleared away from the machine.
4. Turn the machine **ON**.
5. Listen to and watch for abnormal noises or actions. The machine should run smoothly with little or no vibration or rubbing noises.

—Strange or unusual noises should be investigated and corrected before operating the machine further. Always disconnect the machine from power when investigating or correcting potential problems.

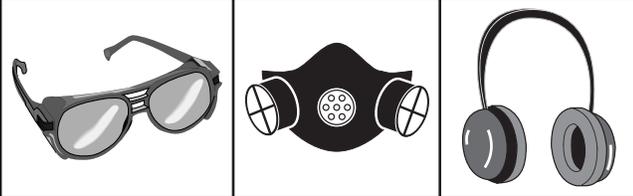


SECTION 4: OPERATIONS

Operation Safety

!WARNING

Damage to your eyes, lungs, and ears could result from using this machine without proper protective gear. Always wear safety glasses, a respirator, and hearing protection when operating this machine.



!WARNING

Loose hair and clothing could get caught in machinery and cause serious personal injury. Keep loose clothing and long hair away from moving machinery.



NOTICE

If you have never used this type of machine or equipment before, WE STRONGLY RECOMMEND that you read books, trade 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.

Angle Adjustment

The sander can be angled up and down to meet your needs. Use the angle adjustment lever shown in **Figure 14** to lock the sander in the angle you choose. Tighten securely so the sander will not move during operation.

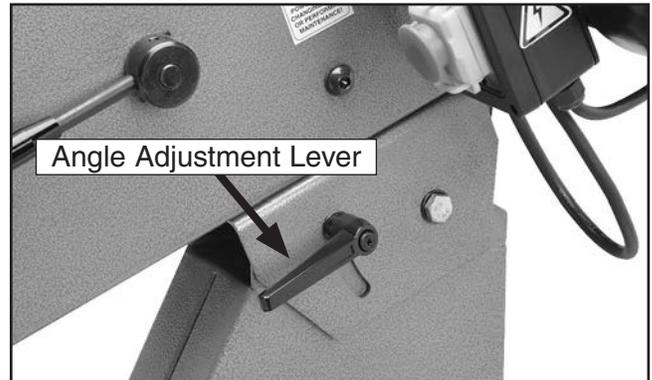


Figure 14. Angle adjustment lever.

Rests

The Model G0489 comes with two rests. A fixed rest sits just above the spark trap. The second sits above the platen and can be adjusted for use or to move it out of the way when closing the belt guard (see **Figure 15**).

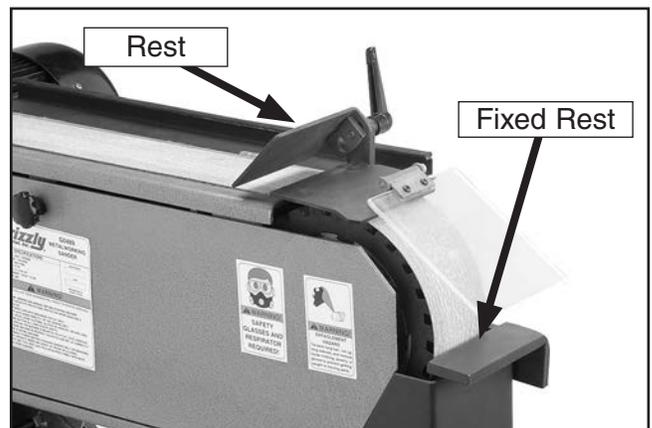


Figure 15. Rest locations.



Grinding Tips

- When grinding against the contact wheel, make sure the belt guard is closed.
- Hold work piece securely with both hands. Use the rests when possible to support the workpiece.
- The workpiece will get hot as you continue to grind. Cool the workpiece frequently by quenching in water or another approved solution.
- Change belts frequently for the best performance.
- Do not force the work into the sander.
- Make sure the shorter, hinged section of the belt guard is folded all the way back to the longer belt guard section. This will allow the belt guard to clear the motor and open completely (see **Figure 16**).

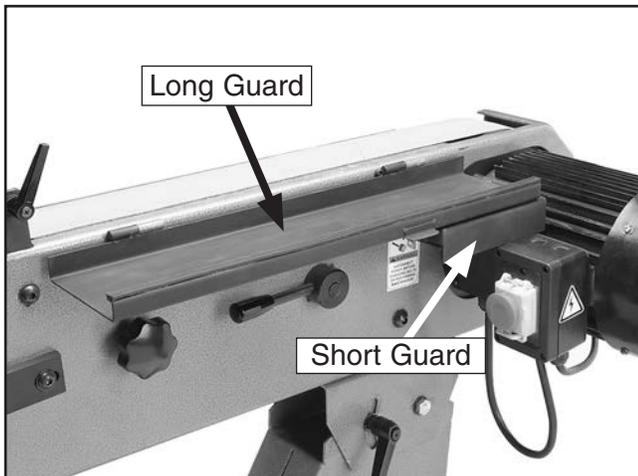


Figure 16. Short guard section folded out of the way.

- Wear the proper protective clothing. Particles flying off of a sander will be traveling very fast—prepare for this. Wear safety glasses, face shield, a dust mask, earplugs, a leather apron, and heavy leather boots.
- Remember that grinding often produces sparks. DO NOT allow anyone to stand in the path of the sparks. DO NOT grind near flammable materials.
- Concentrate on the task at hand. STOP grinding if you are distracted.
- Make sure side cover is closed and latched during operation.

Belt Tracking

When first starting the Model G0489, the belt may not track centrally on the contact wheel.

To adjust the belt tracking:

1. Turn the sander **ON**.
2. Making small adjustments, turn the belt tracking adjustment knob clockwise to move the belt to the left, or turn the knob counter-clockwise to move the belt to the right (see **Figure 17**).
3. Make sure the belt is not making contact with edge of the sander and that it is centered on the contact wheel.

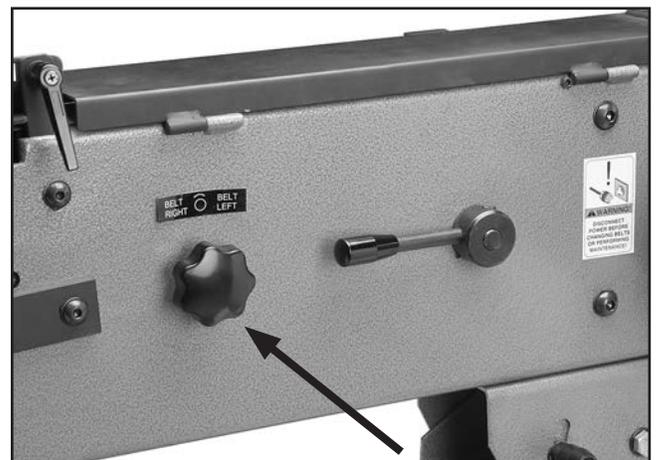


Figure 17. Belt tracking adjustment knob.



SECTION 5: MAINTENANCE



Schedule

For optimum performance from your machine, follow this maintenance and cleaning schedule and refer to any specific instructions given in this section.

Daily Check:

- Loose mounting bolts.
- Worn or damaged belt.
- Clean and chips and debris between platen and sanding belt.
- Empty spark trap.
- Sweep surrounding dust and chips.
- Sweep or vacuum dust and chips from the inside belt compartment and around motor.

Accessories

10-Pack 3" x 79 Aluminum Oxide Belts

- H8865—60 Grit
- H8866—80 Grit
- H8867—100 Grit
- H8868—120 Grit
- H8869—150 Grit

Call 1-800-523-4777 To Order

Changing the Belt

Changing the belt on the Model G0489 is quick and easy.

To change the belt:

1. DISCONNECT THE SANDER FROM THE POWER SUPPLY!
2. Open the belt guard, remove the spark trap, and open the side cover (see **Figure 18**).
3. Loosen the belt by pushing the belt tension lever all the way down until it holds in place.
4. Slip the belt off of the wheels and replace with a new belt. Note the correct rotational direction of the belt.
5. Tighten the belt by pulling the belt tension lever all the way up.
6. Spin the belt by hand to resume previous belt tracking. Adjust if necessary.
7. Close and latch the side cover, remount the spark trap, and close the belt guard.

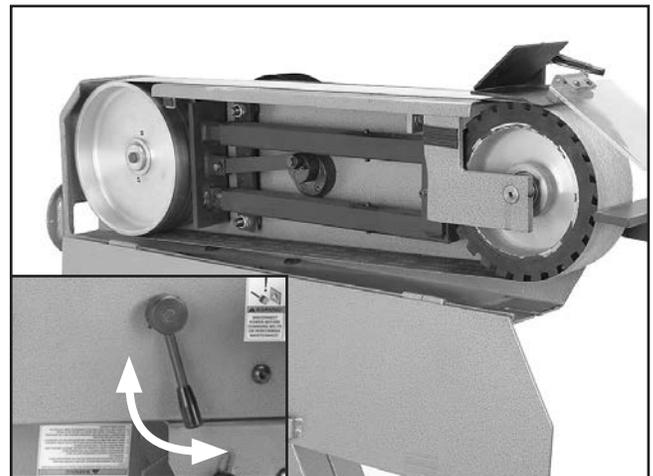
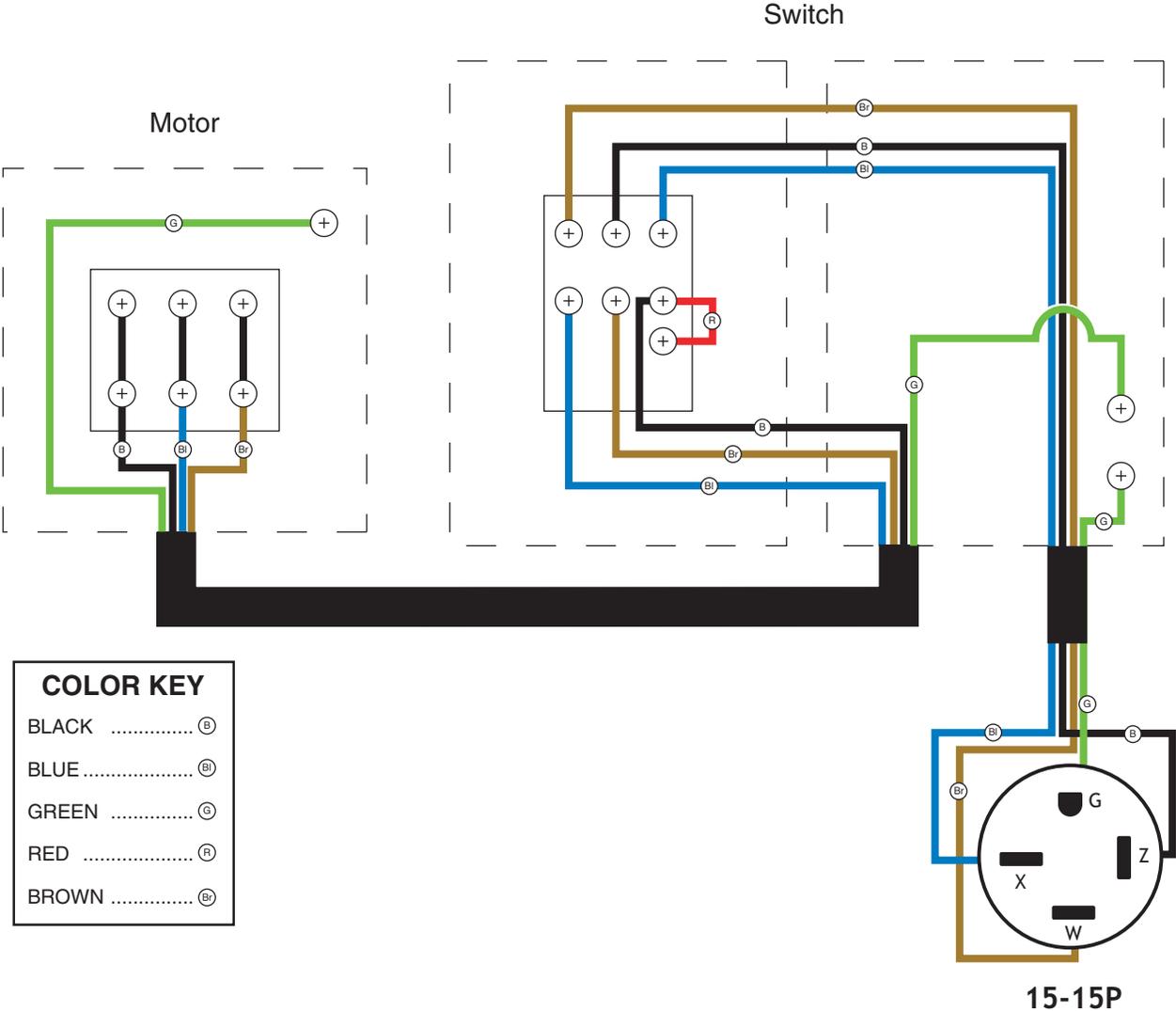
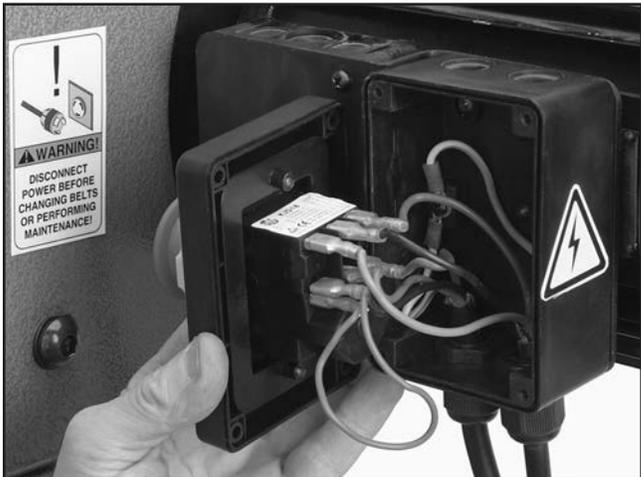
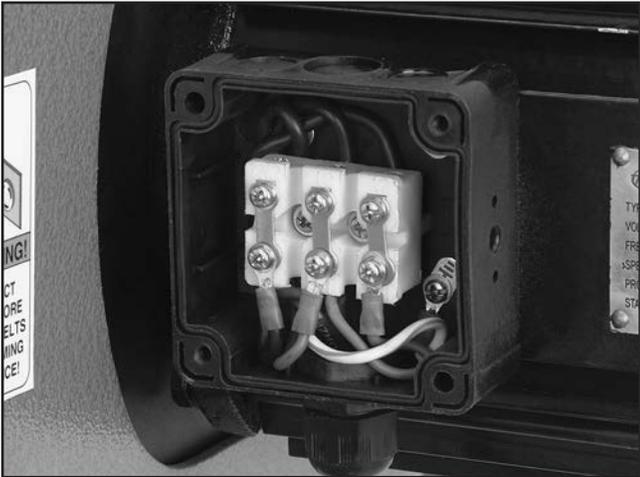


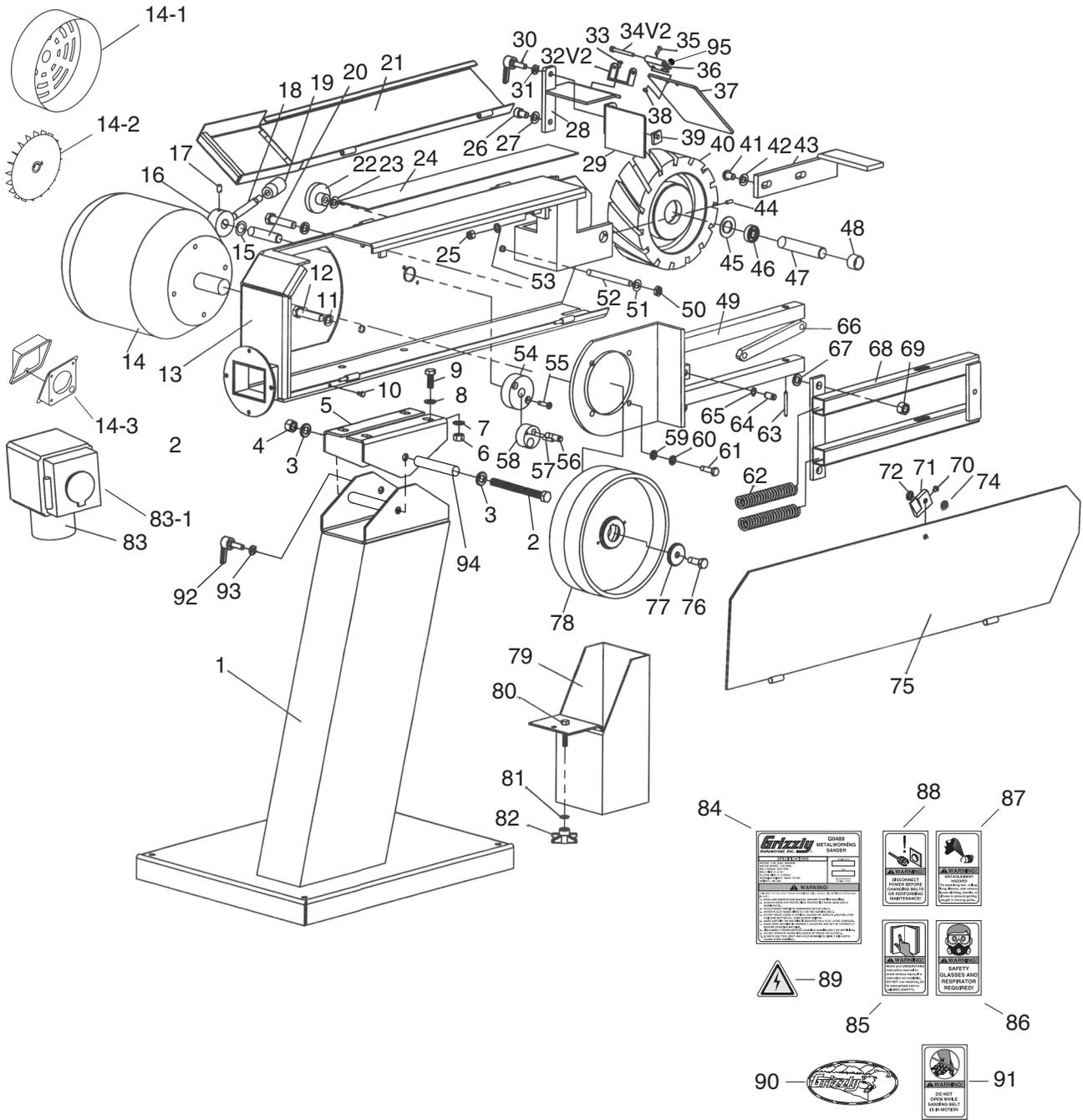
Figure 18. Belt replacement.



Electrical Components & Wiring Diagram



G0489 Parts Breakdown



⚠️ WARNING

Safety labels warn about machine hazards and ways to prevent injury. The owner of this machine **MUST** maintain the original location and readability of the labels on the machine. If any label is removed or becomes unreadable, **REPLACE** that label before using the machine again. Contact Grizzly at (800) 523-4777 or www.grizzly.com to order new labels.



G0489 Parts List

REF	PART #	DESCRIPTION
1	P0489001	STAND
2	P0489002	HEX BOLT M12-1.75 X 150
3	P0489003	FENDER WASHER 12MM
4	P0489004	HEX NUT M12-1.75
5	P0489005	PIVOT BASE
6	P0489006	HEX NUT M10-1.5
7	P0489007	FLAT WASHER 10MM
8	P0489008	FLAT WASHER 10MM
9	P0489009	HEX BOLT M10-1.5 X 20
10	P0489010	HEX BOLT M5-.8 X 10
11	P0489011	FLAT WASHER 12MM
12	P0489012	HEX BOLT M12-1.75 X 50
13	P0489013	BODY
14	P0489014	MOTOR
14-1	P0489014-1	FAN COVER
14-2	P0489014-2	FAN
14-3	P0489014-3	JUNCTION BOX
15	P0489015	SPACER 16.2 X 25 X 0.5
16	P0489016	LEVER HUB
17	P0489017	SET SCREW M8-1.25 X 20
18	P0489018	LEVER
19	P0489019	LEVER HANDLE
20	P0489020	SHAFT
21	P0489021	BELT GUARD
22	P0489022	TRACKING KNOB 10 X 63
23	P0489023	FLAT WASHER 10MM
24	P0489024	GRAPHITE PAD 3"W X 21"L
25	P0489025	HEX NUT M8-1.25
26	P0489026	HEX BOLT M10-1.5 X 15
27	P0489027	FLAT WASHER 10MM
28	P0489028	SUPPORT
29	P0489029	SUPPORT PLATE
30	P0489030	LOCK HANDLE
31	P0489031	FLAT WASHER 8MM
32V2	P0489032V2	EYE SHIELD BASE V2.05.21
33	P0489033	PHLP HD SCR M5-.8 X 8
34V2	P0489034V2	CAP SCREW M5-.8 X 65
35	P0489035	PHLP HD SCR M4-.7 X 12
36	P0489036	BRACKET
37	P0489037	EYE SHIELD
38	P0489038	HEX NUT M4-.7
39	P0489039	SQUARE NUT M8-1.25
40	P0489040	CONTACT WHEEL
41	P0489041	HEX BOLT M10-1.5 X 15
42	P0489042	FLAT WASHER 10MM
43	P0489043	WORK SUPPORT
44	P0489044	SET SCREW M5-.8 X 16
45	P0489045	INT RETAINING RING 45MM
46	P0489046	BALL BEARING 6004

REF	PART #	DESCRIPTION
47	P0489047	SHAFT
48	P0489048	SPACER 21 X 25 X 16
49	P0489049	MOTOR SUPPORT
50	P0489050	HEX NUT M10-1.5
51	P0489051	THRUST WASHER
52	P0489052	THREADED ROD M10-1.5 X 80MM
53	P0489053	FLAT WASHER 8MM
54	P0489054	BASE
55	P0489055	CAP SCREW M6-1 X 25
56	P0489056	PIVOT PIN
57	P0489057	ROLL PIN 6 X 20
58	P0489058	ECCENTRIC WHEEL
59	P0489059	FLAT WASHER 8MM
60	P0489060	LOCK WASHER 8MM
61	P0489061	HEX BOLT M8-1.25 X 24
62	P0489062	EXTENSION SPRING
63	P0489063	SOLID PIN
64	P0489064	PIVOT PIN
65	P0489065	EXT RETAINING RING 10MM
66	P0489066	DRAW BAR
67	P0489067	THRUST WASHER 8 X 16 X 1.6
68	P0489068	BELT TENSIONER
69	P0489069	HEX NUT M12-1.75
70	P0489070	SET SCREW M4-.7 X 5
71	P0489071	DOOR LATCH
72	P0489072	KNOB M8-1.25 X 15
74	P0489074	FLAT WASHER 8MM
75	P0489075	SIDE COVER
76	P0489076	HEX BOLT M10-1.5 X 30
77	P0489077	SPECIAL WASHER 10MM
78	P0489078	DRIVE WHEEL
79	P0489079	SPARK TRAP
80	P0489080	HEX BOLT M8-1.25 X 15
81	P0489081	FLAT WASHER 8MM
82	P0489082	KNOB M8-1.25
83	P0489083	MAGNETIC SWITCH
84	P0489084	MACHINE ID LABEL
85	P0489085	READ MANUAL LABEL
86	P0489086	RESPIRATOR/GLASSES LABEL
87	P0489087	ENTANGLEMENT LABEL
88	P0489088	UNPLUG 220V LABEL
89	P0489089	ELECTRICITY LABEL
90	P0489090	GRIZZLY NAMEPLATE-MINI
91	P0489091	DOOR CLOSED LABEL
92	P0489092	ANGLE ADJUSTMENT LEVER M12-1.75 X 35
93	P0489093	FLAT WASHER 12MM
94	P0489094	SLEEVE
95	P0489095	LOCK NUT M5-.8







WARRANTY CARD

Name _____
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 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.**

- How did you learn about us?

<input type="checkbox"/> Advertisement	<input type="checkbox"/> Friend	<input type="checkbox"/> Catalog
<input type="checkbox"/> Card Deck	<input type="checkbox"/> Website	<input type="checkbox"/> Other:
- 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	
- 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+
- 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+
- 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
------------------------------------	------------------------------------	-------------------------------------	------------------------------------
- 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+
------------------------------	------------------------------	------------------------------	------------------------------
- Do you think your machine represents a good value? Yes No
- Would you recommend Grizzly Industrial to a friend? Yes No
- 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: _____

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City _____ State _____ Zip _____

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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.

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