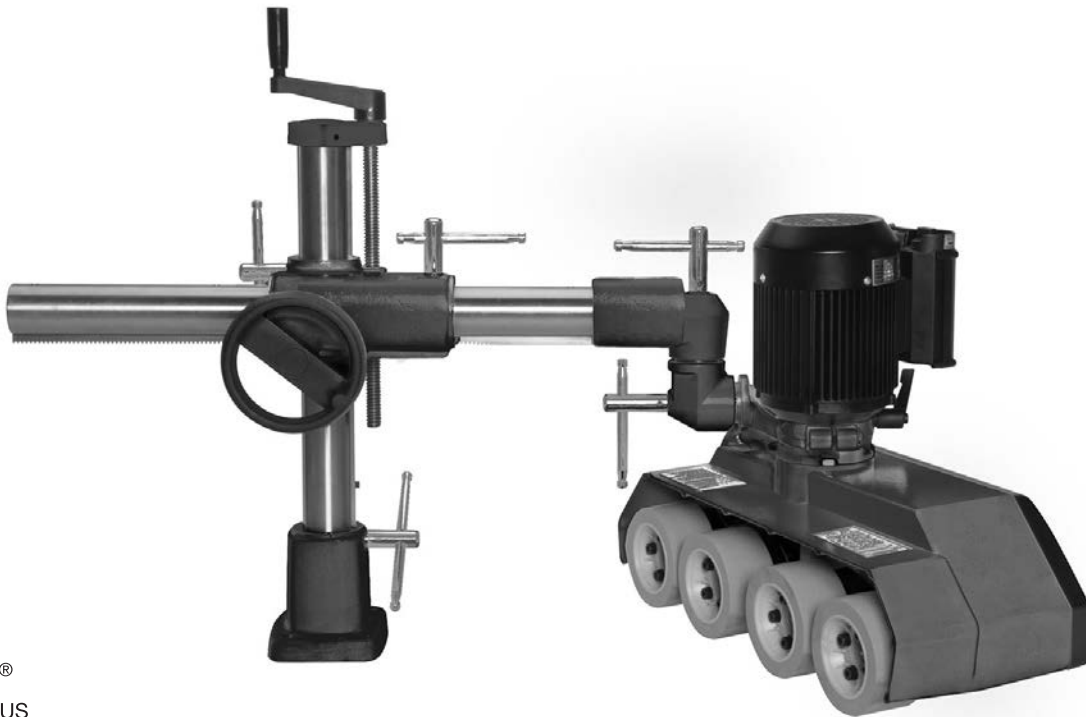


Grizzly *Industrial, Inc.*®

MODEL G1095/G1096 1-HP POWER FEEDER w/4 ROLLERS & 4 SPEEDS OWNER'S MANUAL *(For models manufactured since 8/15)*




C US
LR109179

COPYRIGHT © MAY, 2008 BY GRIZZLY INDUSTRIAL, INC. REVISED JANUARY, 2018 (HE)
**WARNING: NO PORTION OF THIS MANUAL MAY BE REPRODUCED IN ANY SHAPE
OR FORM WITHOUT THE WRITTEN APPROVAL OF GRIZZLY INDUSTRIAL, INC.**
#CR10667 PRINTED IN TAIWAN

V3.01.18



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.

Table of Contents

INTRODUCTION	2	SECTION 5: MAINTENANCE	21
Contact Info.....	2	Schedule	21
Manual Accuracy	2	Cleaning.....	21
Identification.....	3	Lubrication	21
Machine Data Sheet G1095	4	SECTION 6: ACCESSORIES	22
Machine Data Sheet G1096	5	SECTION 7: SERVICE	23
SECTION 1: SAFETY	7	Troubleshooting	23
Safety Instructions for Machinery	7	Wheel Replacement.....	24
Additional Safety for Power Feeders	9	SECTION 8: WIRING	25
SECTION 2: POWER SUPPLY	10	Wiring Safety Instructions	25
SECTION 3: SETUP	12	Model G1095 Wiring Diagram	26
Unpacking	12	Model G1096 Wiring Diagram	27
Needed for Setup.....	12	SECTION 9: PARTS	28
Inventory	12	Main Breakdown	28
Cleanup.....	13	Main Parts List.....	29
Assembly	14	Base Breakdown.....	30
Base Mounting.....	16	Base Parts List.....	30
Test Run	18	WARRANTY & RETURNS	33
SECTION 4: OPERATIONS	19		
Basic Use and Care.....	19		
Changing Speeds	20		



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 power is connected to grounded circuit before starting.	
Specification:		4. Make sure the motor has stopped and disconnect power before adjustments, maintenance, or service.	
Weight:		5. DO NOT expose to rain or dampness.	
		6. DO NOT modify this machine in any way.	
		7.	
		8.	
		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.

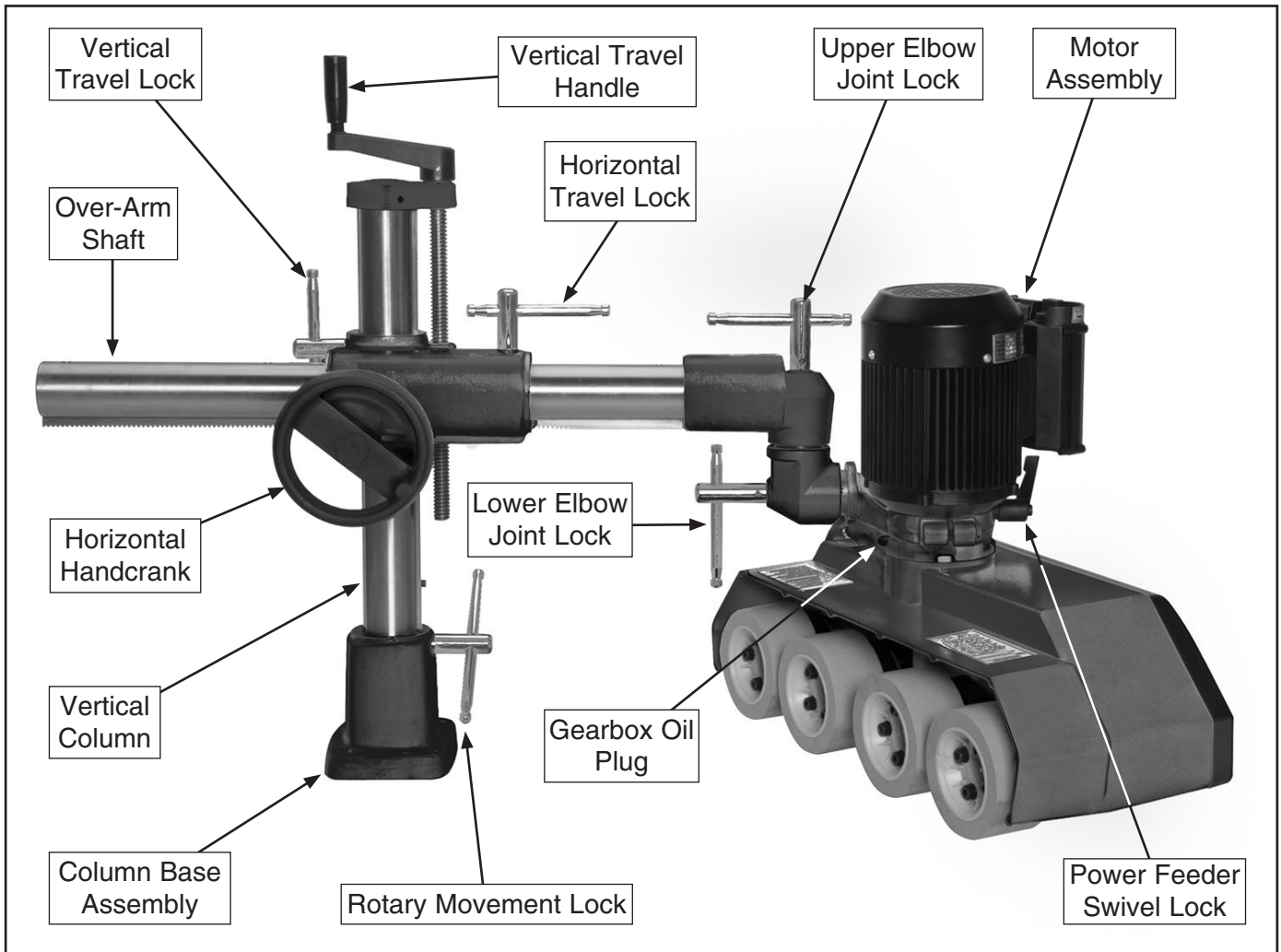
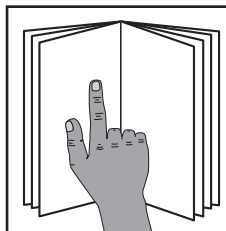


Figure 1. Model G1095/G1096 controls and components.



!WARNING

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





MACHINE DATA SHEET

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

MODEL G1095 POWER FEEDER 4 ROLLER / 4 SPEED, SINGLE-PHASE

Product Dimensions:

Weight..... 144 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 43-1/4 x 23-1/2 x 29-1/2 in.
Footprint (Length x Width)..... N/A x N/A

Shipping Dimensions:

Carton #1

Type..... Cardboard Box
Content..... Machine
Weight..... 72 lbs.
Length x Width x Height..... 30 x 12 x 22 in.
Must Ship Upright..... No

Carton #2

Type..... Cardboard Box
Content..... Stand
Weight..... 80 lbs.
Length x Width x Height..... 30 x 13 x 11 in.
Must Ship Upright..... No

Electrical:

Power Requirement..... 220V, Single-Phase, 60 Hz
Full-Load Current Rating..... 4.2A
Minimum Circuit Size..... 15A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 9 ft.
Power Cord Gauge..... 16 AWG
Plug Included..... No
Recommended Plug Type..... 6-15
Switch Type..... Forward/Reverse Switch

Motors:

Main

Horsepower..... 1 HP
Phase..... Single-Phase
Amps..... 4.2A/2.5A
Speed..... 3400 / 1700 RPM
Type..... TEFC Capacitor-Start Induction
Power Transfer..... Gear Drive
Bearings..... Sealed & Permanently Lubricated

Main Specifications:

Workpiece Capacities

Minimum Workpiece Length..... 6 in.





MACHINE DATA SHEET

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

MODEL G1096 POWER FEEDER 4 ROLLER / 4 SPEED, 3-PHASE

Product Dimensions:

Weight..... 144 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 43-1/4 x 23-1/2 x 29-1/2 in.
Footprint (Length x Width)..... 22-1/2 x 40 in.

Shipping Dimensions:

Carton #1

Type..... Cardboard Box
Content..... Machine
Weight..... 70 lbs.
Length x Width x Height..... 30 x 12 x 22 in.
Must Ship Upright..... No

Carton #2

Type..... Cardboard Box
Content..... Stand
Weight..... 80 lbs.
Length x Width x Height..... 13 x 11 x 30 in.
Must Ship Upright..... No

Electrical:

Power Requirement..... 220V, 3-Phase, 60 Hz
Full-Load Current Rating..... 3.4A
Minimum Circuit Size..... 15A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 9 ft.
Power Cord Gauge..... 16 AWG
Plug Included..... No
Recommended Plug Type..... 15-15
Switch Type..... Forward/Reverse Switch
Recommended Phase Converter..... G5841

Motors:

Main

Horsepower..... 1 HP
Phase..... 3-Phase
Amps..... 3.4A/2.5A
Speed..... 3400 / 1700 RPM
Type..... TEFC Induction
Power Transfer..... Gear Drive
Bearings..... Sealed & Permanently Lubricated

Main Specifications:

Workpiece Capacities

Minimum Workpiece Length..... 6 in.



Operation Info

Number of Feed Speeds..... 4
Feed Speeds..... 13, 26, 33, 66 FPM
Swing..... 360 deg.
Vertical Movement..... 9-1/2 in.
Horizontal Movement..... 24-1/4 in.
Rotation..... Forward, Reverse

Roller Info

Number of Rollers..... 4
Roller Width..... 2-3/8 in.
Roller Diameter..... 4-3/4 in.
Roller Suspension..... 3/4 in.
Maximum Height Rollers Parallel Table Surface..... 8-1/2 in.
Centers Between Rollers..... 5 in.

Construction Info

Roller..... Synthetic Rubber
Housing..... Cast Aluminum
Supports..... Cast Iron
Column..... Steel
Paint Type/Finish..... Enamel

Other

Column Diameter..... 2-1/4 in.

Other Specifications:

Country of Origin Taiwan
Warranty 1 Year
Approximate Assembly & Setup Time 45 Minutes
Serial Number Location Checked Sticker, On In-feed Portion Of Housing's Roller Cover Side
ISO 9001 Factory Yes
Certified by a Nationally Recognized Testing Laboratory (NRTL) Yes

Features:

Rollers are Spring Tensioned with 3/4" Travel
Heavy-Duty Gear Reduction with Hardened Gears
Universal Positioning with Handle Locks



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.



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



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



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.



Additional Safety for Power Feeders

WARNING

Serious injury or death can occur from getting hands, clothing, or jewelry entangled in moving parts of power feeder or being pulled into cutting tool on attached machinery. Workpieces ejected by attached machine can strike operator or bystanders with significant force, causing impact injuries. To minimize risk of injury, anyone operating this machine **MUST** completely heed hazards and warnings below.

HAND SAFETY. To reduce risk of accidental entanglement/pinch injuries between power feeder rollers and workpiece, or contact with blade/cutter of associated machine, keep hands away from rotating parts of power feeder. Turn power feeder and associated machine **OFF** before removing chips, sawdust, or cutoffs—DO NOT use your hands.

INSTALLING GUARDS. To reduce risk of kickback and accidental contact with blade/cutter of associated machine, always install guards, fences, and hold-downs before starting attached machine and power feeder. Repair or replace guards promptly if they become damaged.

KICKBACK. Occurs when workpiece is ejected from machine at a high rate of speed. To reduce risk of kickback-related injuries (blindness, broken bones, bruises, amputation, severe lacerations, and death), use quality workpieces and proper setup or maintenance of power feeder or associated machine. Never stand in path of workpiece.

VERIFY EACH SETUP. An improperly adjusted power feeder can increase risk of kickback, because it will continue feeding even if stock is not properly positioned for cut. Ensure that power feeder is set up correctly and firmly secured before feeding workpiece.

FEATHERBOARD. When cutting long or large stock that is difficult to feed properly, use a featherboard with power feeder (on the infeed side) to maintain even pressure and control of workpiece against fence, and to help reduce risk of kickback.

FEED WORKPIECE PROPERLY. To reduce risk of kickback, verify blade or cutter of associated machine is at full speed before feeding stock with power feeder. Avoid feeding workpiece too quickly. Always verify power feeder wheels are slightly lower than workpiece to ensure it will not slip during cutting operation. Stop power feeder **BEFORE** stopping cutting tool.

WORKPIECE SUPPORT. Loss of workpiece control while feeding can increase risk of kickback. Support workpiece continuously during operation as required. Use auxiliary stands or support tables for long or wide stock.

ADJUSTMENTS/MAINTENANCE. Make sure power feeder and associated machine are turned **OFF**, disconnected from power, and all moving parts are completely stopped before doing adjustments or maintenance.

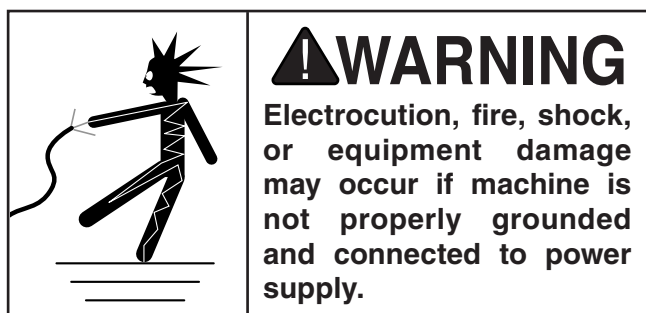
ATTACHED MACHINERY. Follow all warnings and safety information for attached machine doing cutting work.



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.

G1095 at 220V, 1-Phase 4.2/2.5 Amps

G1096 at 220V, 3-Phase3.4/2.5 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.

G1095 Circuit Requirements

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

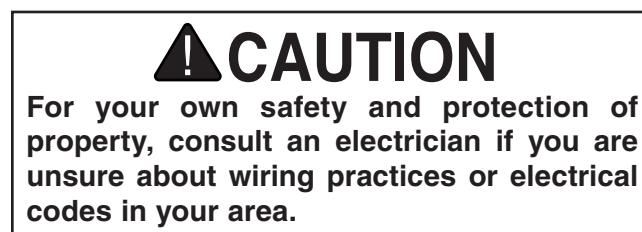
Nominal Voltage220V
Cycle60 Hz
Phase 1-Phase
Circuit Rating 15 Amps
Plug/Receptacle NEMA 6-15

G1096 Circuit Requirements

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

Nominal Voltage220V
Cycle60 Hz
Phase 3-Phase
Circuit Rating 15 Amps
Plug/ReceptacleNEMA 15-15

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.*



! WARNING

Serious injury could occur if you connect machine to power before completing setup process. **DO NOT** connect to power until instructed later in this manual.

Grounding Instructions

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.

The plug specified under "Circuit Requirements" 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 the following figures) that is properly installed and grounded in accordance with all local codes and ordinances.

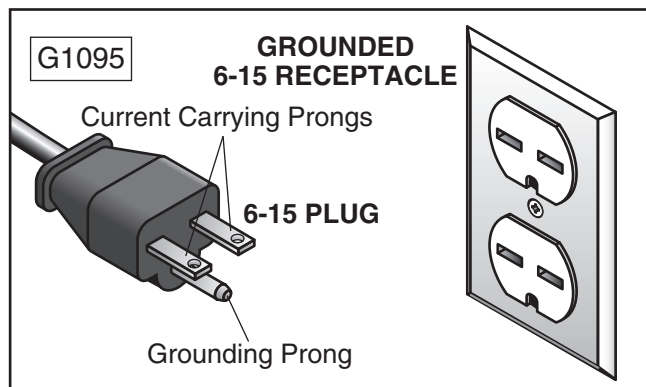


Figure 2. Typical 6-15 plug and receptacle.

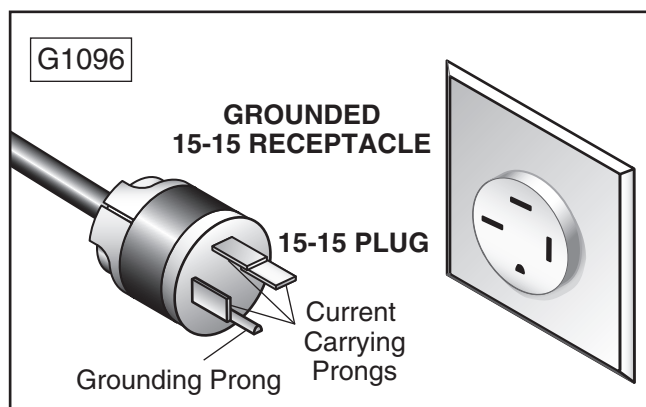
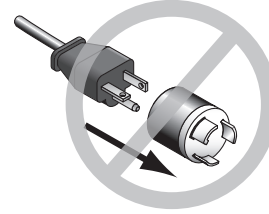


Figure 3. Typical 15-15 plug and receptacle.

! CAUTION



No adapter should be used with plug. If plug does not fit available receptacle, or if machine must be reconnected for use on a different type of circuit, reconnection must be performed by an electrician or qualified service personnel, and it must comply with all local codes and ordinances.

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.

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.

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 AWG (G1095).....16 AWG, 3W, 300V
Minimum AWG (G1096).....16 AWG, 4W, 300V
Maximum Length (Shorter is Better).....50 ft.



SECTION 3: SETUP

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.***

	<p>⚠ WARNING SUFFOCATION HAZARD! Keep children and pets away from plastic bags or packing materials shipped with this machine. Discard immediately.</p>
--	---

Needed for Setup

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

Description	Qty
• Safety Glasses	1
• Cleaner/Degreaser (Page 14)	As Needed
• Disposable Shop Rags.....	As Needed
• Medium Grade Thread Locking Liquid.....	1

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.

Stand Inventory (Figure 4)	Qty
A. Power Feeder Assy. (Not Shown)	1
B. Base and Vertical Column Assembly	1
C. Vertical Travel Handle	1
D. Elbow-Joint Assembly	1
E. Elbow Adjustment Handle	1
F. Grease Gun.....	1
G. Over-Arm Shaft.....	1
H. Hex Bolt M12-1.75 x 50.....	4
I. Lock Washer M12.....	4

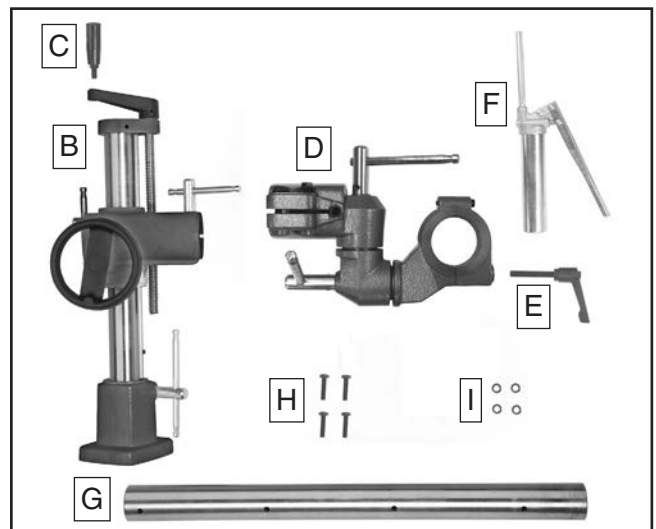


Figure 4. Model G1095/G1096 inventory.

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.



Cleanup

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.

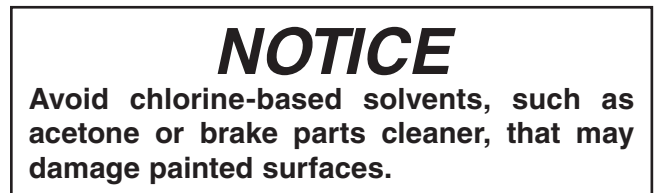
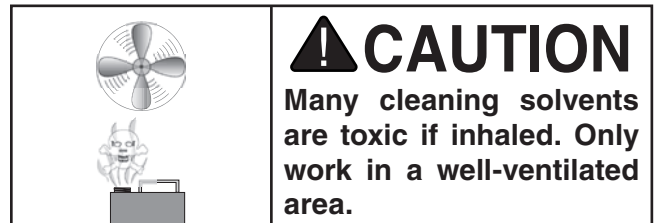
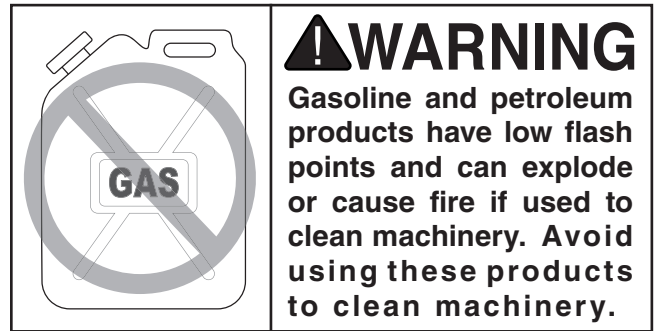
There are many ways to remove this rust preventative, but the following steps work well in a wide variety of situations. Always follow the manufacturer's instructions with any cleaning product you use and make sure you work in a well-ventilated area to minimize exposure to toxic fumes.

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.



T23692—Orange Power Degreaser

A great product for removing waxy shipping grease from **non-painted** parts of machine during clean up.



Figure 5. T23692 Orange Power Degreaser.



Assembly

To correctly position this power feeder on your machine table top, the power feeder must first be attached to the stand.

After assembly is complete, you then will need to mount the power feeder to your desired machine. The process is described in the following section, **Base Mounting**, on **Page 16**.

To Assemble Stand and Power Feeder:

1. Remove hex bolt securing collar to elbow-joint assembly (see **Figure 6**).

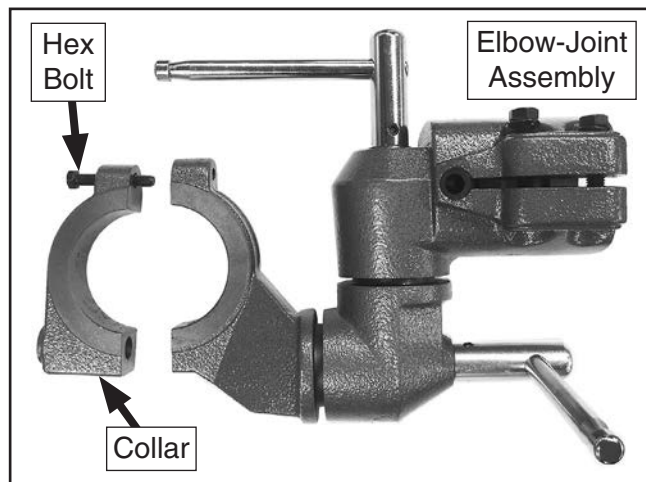


Figure 6. Collar separated from elbow-joint assembly.

2. Place elbow-joint collar around motor neck (see **Figure 7**) and secure with hex bolt removed in **Step 1** (see **Figure 8**).

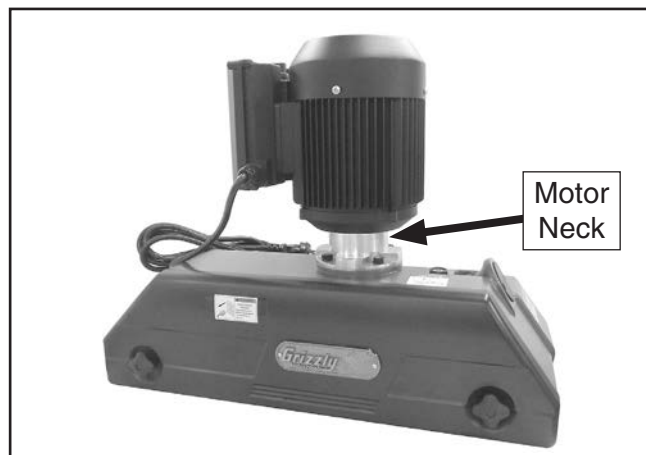


Figure 7. Elbow-joint collar attaches to power feeder around motor neck.

3. Further secure collar on elbow-joint assembly with swivel lock, as shown in **Figure 8**. Tighten hex bolt and swivel lock.

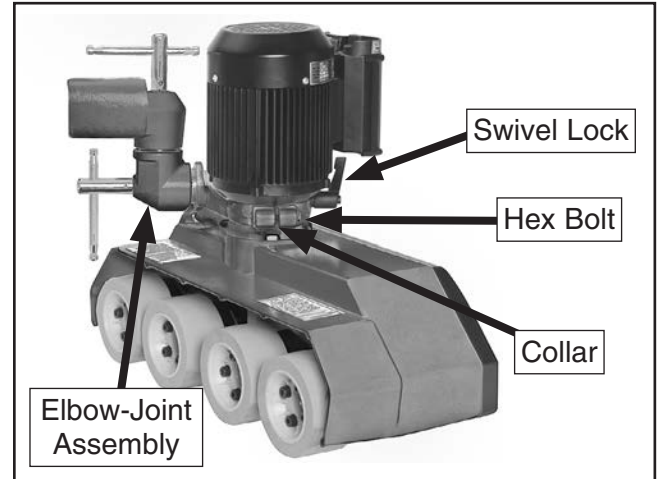


Figure 8. Assembled power feeder.

4. Loosen hex nut and set screw under horizontal handcrank, then remove it from vertical column (see **Figure 9**).

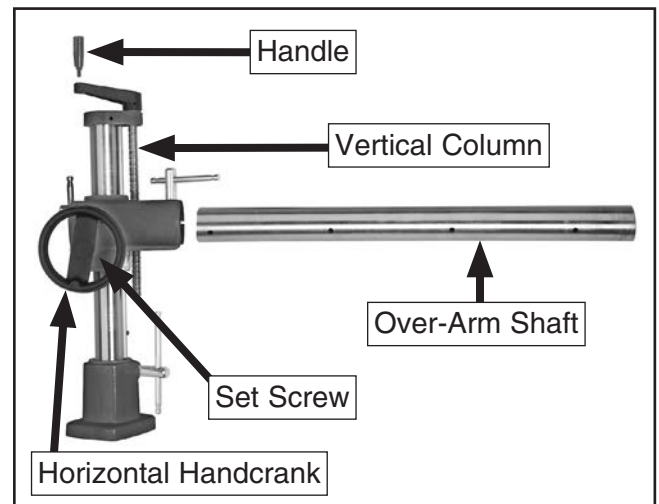


Figure 9. Over-arm shaft installation.

5. Feed over-arm shaft into sleeve on vertical column (see **Figure 9**). Install handcrank and engage gear wheel with over-arm shaft teeth. Replace set screw and tighten hex nut.
6. Install handle on vertical column to adjust over-arm shaft height (see **Figure 9**).



7. Loosen (2) hex bolts on elbow-joint assembly and slide onto over-arm shaft (see **Figure 10**).

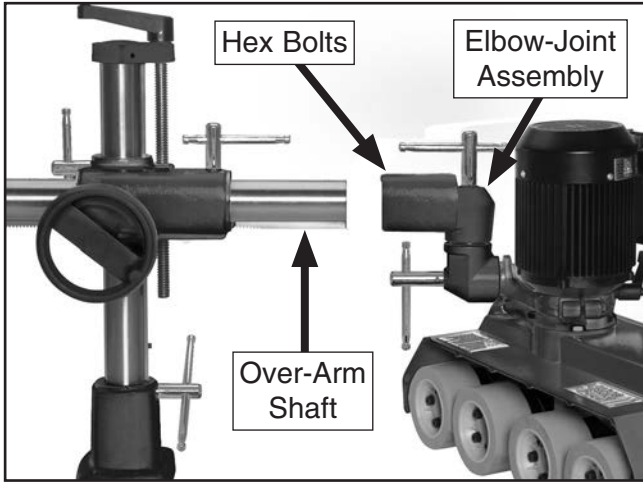


Figure 10. Attaching power feeder to over-arm shaft assembly.

8. Tighten (2) hex bolts and vertical column lock handle to secure power feeder to vertical column and over-arm shaft assembly (see **Figure 11**).

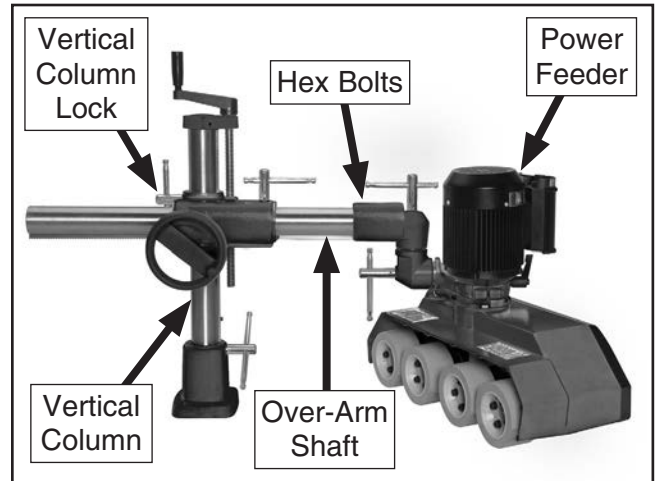


Figure 11. Power feeder attached to vertical column and over-arm shaft assembly.



Base Mounting

Position the power feeder on the table top to determine where to drill the base mounting holes in order to maximize power feeder swing and adjustment options.

Use the base-bolt pattern template to align the mounting holes. Consider the available mounting choices for your needs: **Through-Bolt Mounting** and **Direct Mounting** (discussed on **Page 17**).

With either mounting choice, leave room to operate the handcranks and lock levers to position the rubber wheels parallel with the table surface and approximately $\frac{1}{8}$ " lower than the thickness of the workpiece.

Also, aim the front of the power feeder slightly towards the machine fence (see **Figure 12**) with approximately 1° to 1.5° toe-in toward the machine fence, so the rubber wheels lightly push the workpiece against the fence during cutting operations.

If cutting long or large stock that is difficult to feed properly, use a featherboard *before* the power feeder (on the infeed side) to maintain even pressure and control of the workpiece against the fence.

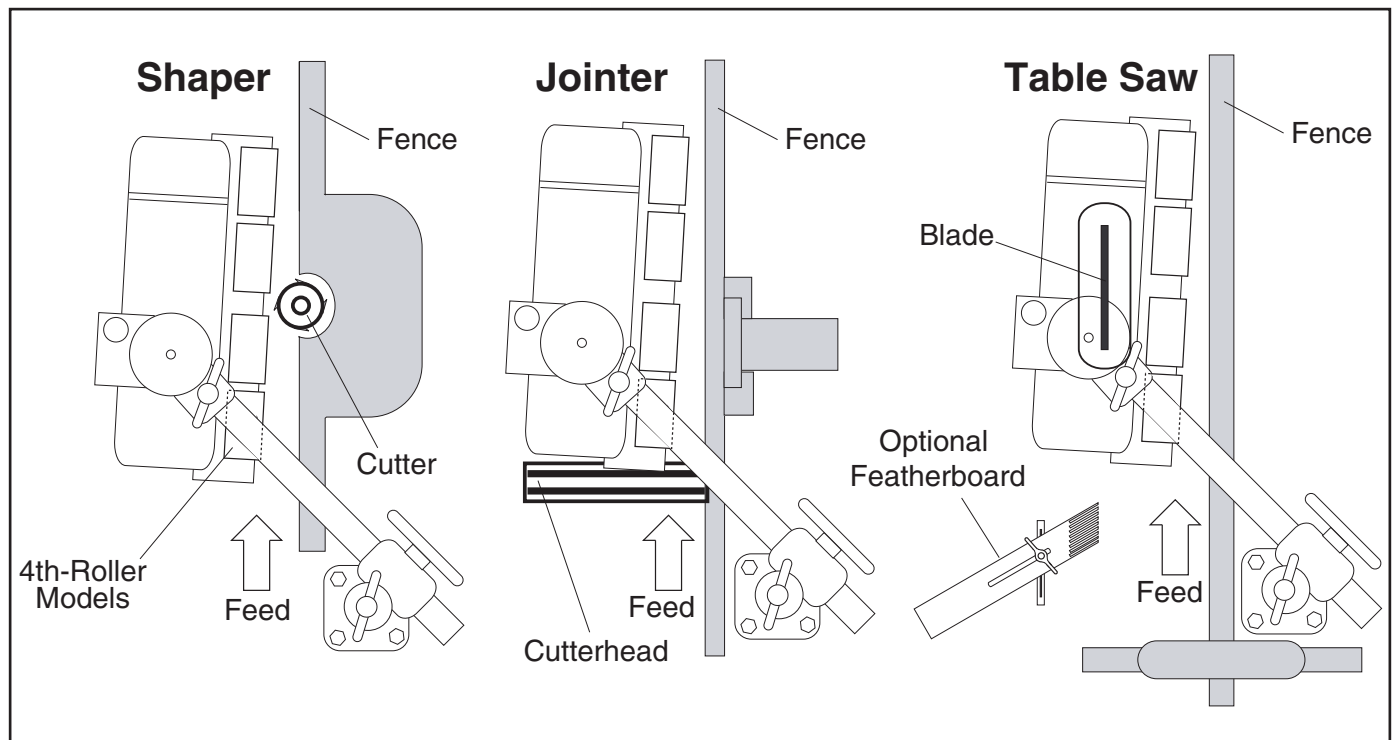


Figure 12. Typical power feed mounting on a shaper, jointer, and table saw.



Through-Bolt Mounting

We recommend mounting the power feeder to the machine table with through bolts, nuts, and washers (see **Figure 13**). This option provides the most rigidity and clamping strength to prevent the feeder base from twisting out of alignment during use. However, if under-table support webs interfere with washer or nut locations, use the optional clamping kit, or drill and thread holes directly into the table as described in **Direct Mounting**.

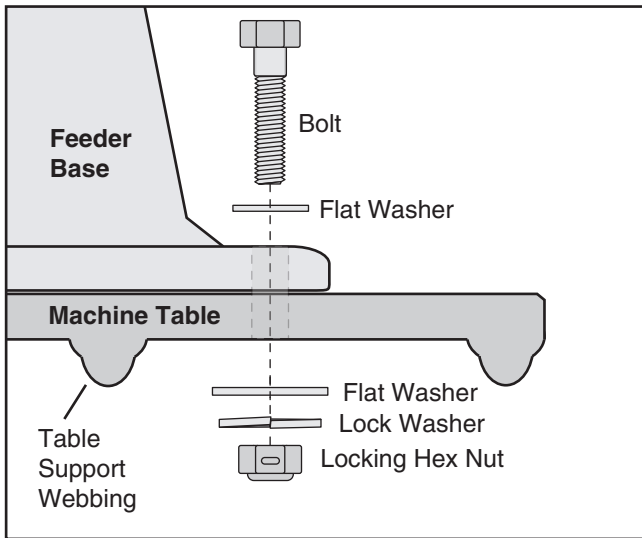


Figure 13. Through-bolt mounting.

Direct Mounting

Use the included mounting template to drill and tap the table so the power feeder base can be directly mounted to the table surface (see **Figure 14**). Use medium-grade liquid thread-locking compound on all threads. If the table is less than $\frac{3}{8}$ " thick where the holes will be drilled and tapped, or if support webbing interferes, the threads may strip or loosen during power feeder use. Thread-locking compound is *not* a permanent solution. Revert to the **Through-Bolt Mounting** option.

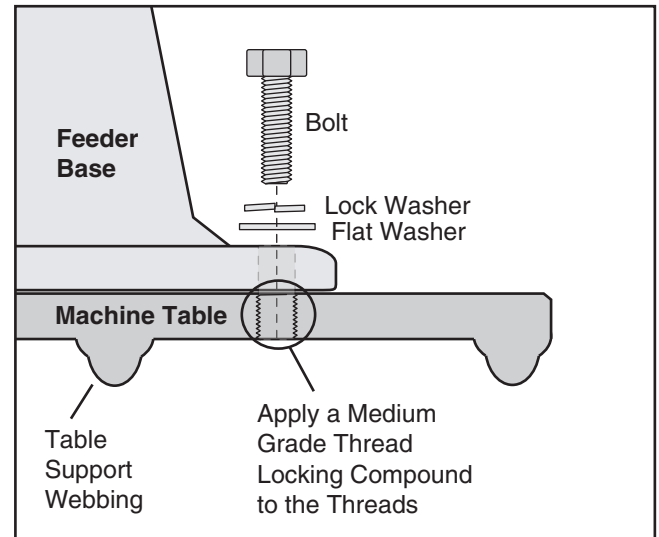
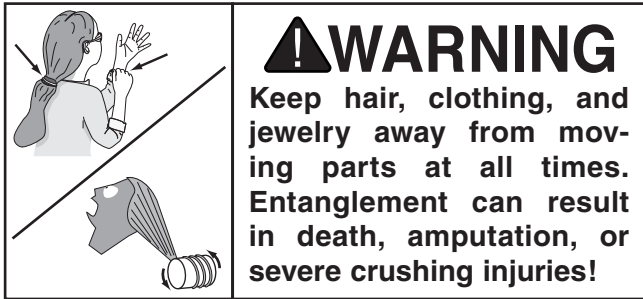


Figure 14. Direct mounting.



Test Run



Once assembly is complete, test run the power feeder to make sure it runs properly and is ready for regular operation. The test run consists of verifying that the motor powers up and runs correctly, and that the rollers operate.

If you cannot easily locate the source of unusual noise or vibration during the test run, stop using the machine immediately, then review **Troubleshooting on Page 23**.

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

To test run power feeder:

1. Understand all safety instructions at the beginning of the manual, and verify that the power feeder is adjusted and is set up properly.
2. Make sure that the power feeder gearbox oil level is full. The oil level should be 1" below the oil fill port. Refer to **Lubrication on Page 21** for details.

Note: See **Figure 19 on Page 21** for oil fill port location.
3. Ensure that all tools and objects used during set up are cleared away from machine.
4. Adjust and lock the power feeder so the wheels are held approximately 1" above the table and nothing will interfere with wheel rotation.

! WARNING

You **MUST** assemble all guards, fences, and hold-downs before starting your machine or power feeder. Failure to heed this warning could result in amputation or death!

5. Connect the power feeder to the power supply, and use the feed direction and speed dial (see **Figure 15**) to test operation in both feed directions.

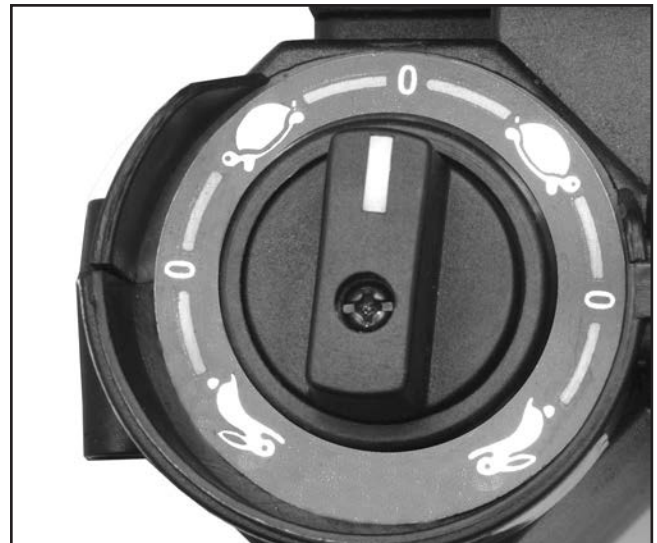
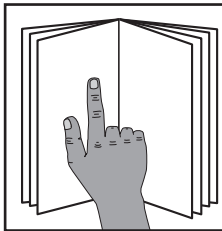


Figure 15. Feed direction and speed dial.

- Listen and watch for abnormal noises or vibrations. The power feeder should run smoothly.
 - Correct for any unusual noises or vibrations before operating the power feeder any further. Always disconnect the power feeder from power when investigating or correcting potential problems.
6. Turn the feed direction switch to "0" (**OFF** position, see **Figure 15**).



SECTION 4: OPERATIONS

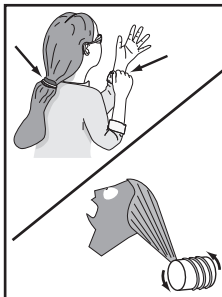
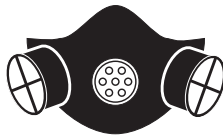


!WARNING

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

!WARNING

To reduce risk of eye injury from flying chips or lung damage from breathing dust, always wear safety glasses and a respirator when operating this machine.



!WARNING

Keep hair, clothing, and jewelry away from moving parts at all times. Entanglement can result in death, amputation, or severe crushing injuries!

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.

Basic Use and Care

!WARNING

You **MUST** assemble all guards, fences, and hold-downs before starting your machine or power feeder. Failure to heed this warning could result in amputation or death!

Power feeders reduce kickback hazards and improve cutting results by feeding in a consistent and stable manner. Remember, do not stand in the path of potential kickback. When not in use, support the power feeder with a wooden block so the rubber wheels are raised above the table and do not compress from the weight of the power feeder.

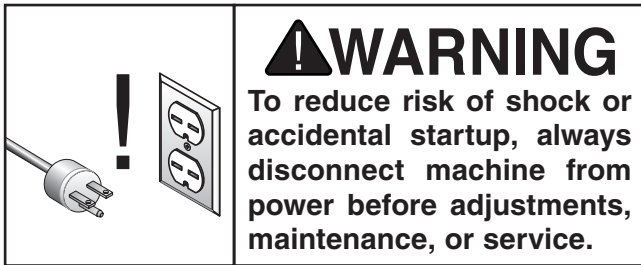
Lock levers and handcranks on this power feeder allow adjustment of its tracking and height to accommodate many workpiece sizes. Before loosening any lock lever, always support the power feeder with a wooden block so the power feeder does not drop and cause damage.

Adjust the power feeder so it is toed-in approximately 1° to 1.5° towards the machine fence. This adjustment will ensure that the power feeder wheels lightly push the workpiece against the fence during cutting operations (see **Figure 12** on **Page 16**). Use a featherboard on the infeed side to assist with feeding long or large stock.

Next, adjust the power feeder so the rubber wheels are parallel with the table surface and approximately $\frac{1}{8}$ " lower than the thickness of the workpiece. This adjustment ensures that the workpiece will not slip or hang during a cut. Double-check that the power feeder wheels are slightly lower than the workpiece before you begin feeding operations. Otherwise, the workpiece may slip and kick back.



Changing Speeds



This power feeder can feed workpieces at 13, 26, 33, or 66 feet per minute.

Users can change feed rates by switching change gears and by turning the motor switch to the low-range or high-range operation.

To change power feeder feed rate:

1. Make sure speed dial points to "0" (**OFF** position, see **Figure 16**).



Figure 16. Adjusting feed direction and speed.

2. DISCONNECT MACHINE FROM POWER!
3. Remove chain cover and two hex nuts securing **A** & **B** change gears to shafts shown in **Figure 17**.

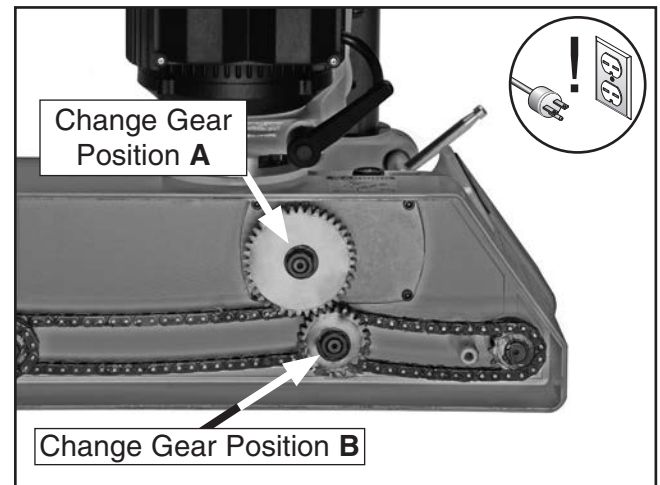







Figure 17. Change gear locations.

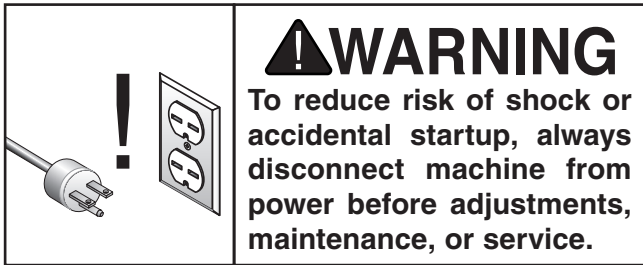
4. Use list below to find gear combination required for chosen feed rate.

-  **13 Ft. Per Min.:** A, 25 Tooth + B, 40 Tooth.
-  **26 Ft. Per Min.:** A, 40 Tooth + B, 25 Tooth.
-  **33 Ft. Per Min.:** A, 25 Tooth + B, 40 Tooth.
-  **66 Ft. Per Min.:** A, 40 Tooth + B, 25 Tooth.
-  **Motor OFF.**

5. Swap change gears so gear hubs face in toward power feeder (shown in positions **A** & **B** in **Figure 17**).
6. Re-install hex nuts and chain cover.
7. Connect power feeder to power, and move feed direction and speed dial to low or high range.



SECTION 5: MAINTENANCE



Schedule

For optimum performance from the Model G1095/G1096, follow this maintenance schedule and refer to any specific instructions given in this section.

Daily Check:

- Loose mounting bolts.
- Damaged wheels.
- Worn or damaged, switch, cord, and plug.
- Any other condition that could hamper power feeder safe operation.

Cleaning

Cleaning the Model G1095/G1096 is relatively easy. Frequently blow off sawdust with compressed air. This is especially important for internal working parts and the motor. Dust build-up around the motor will decrease its lifespan. If wheels become loaded up with pitch, oil, or other residues, wipe with a clean rag and mild solvent. Keep mineral spirits away from plastic parts or painted surfaces to avoid damage.

Lubrication

- To prevent surface rust and binding, periodically clean and oil all lock-lever and leadscrew threads with light machine oil.

- Every 40 hours of use, or once every two weeks, wipe clean and lubricate the wheel grease fittings (see **Figure 18**) with one pump from a grease gun filled with automotive-grade NLGI #2 grease.

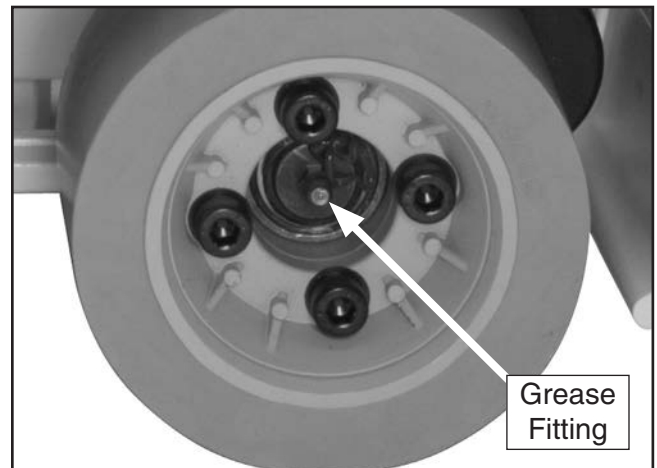


Figure 18. Wheel lubrication.

- After the first month or 200 hours of use, change the gearbox oil with 5.1 fluid ounces of automotive-grade 80-90W gear oil. To drain the unit, remove the fill plug labeled "OIL" (see **Figure 19**) and invert the power feeder. For the remaining life of power feeder, change the oil every 6 months or 1000 hours of use.
- To prevent rust and binding, brush the sprockets, chain, and change gears (see **Figure 19**) with a light film of automotive-grade multi-purpose grease.

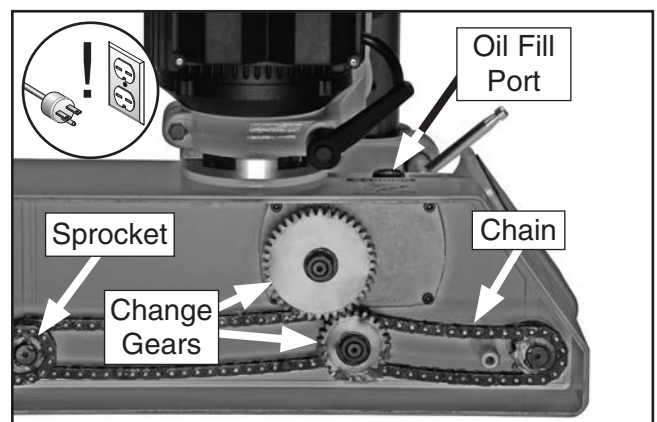


Figure 19. Lubrication locations.



SECTION 6: 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.

D3122—Shop Fox® Push Stick

Measuring 13½" overall, this push stick allows the operator to keep his hands a safe distance away from the blade or cutter.

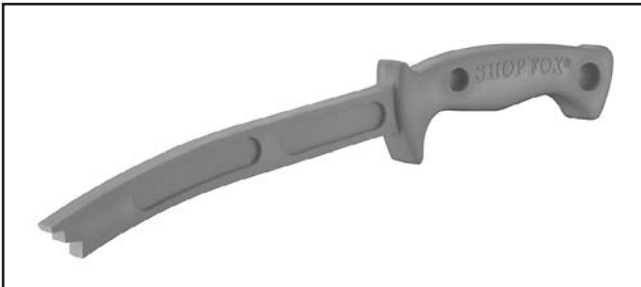


Figure 20. D3122 Shop Fox® Push Stick.

D3096—Shop Fox® Featherboard

Designed to lock into a standard ⅜" x ¼" miter slot, this featherboard is fully adjustable to accommodate a wide range of workpieces. Reduce the likelihood of kickback with this convenient accessory.



Figure 21. D3096 Shop Fox® Featherboard.

G3100—Flange with Polyurethane Roller

G1759—Flange with Rubber Roller

Save money over the long haul by replacing the rollers on the G1095 or G1096 with one of these roller flange and tire systems. Once you buy the complete system, you simply replace the inexpensive rubber or polyurethane tires when they wear out.



Figure 22. Flange and tire systems.

G3101—Polyurethane Roller

G2516—Rubber Roller

Polyurethane or rubber rollers fit the G3100 or G1759 roller flange tire system.

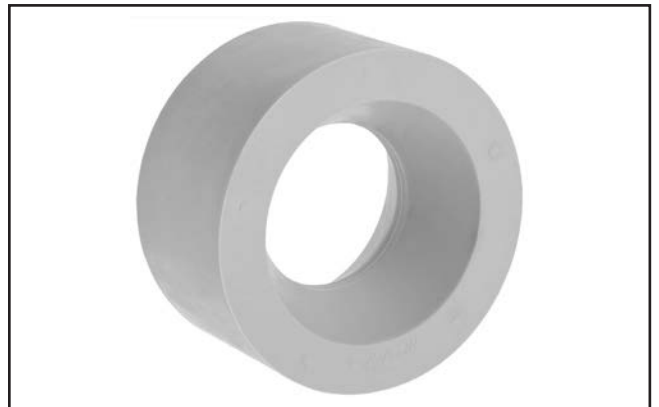


Figure 23. Polyurethane and rubber rollers.

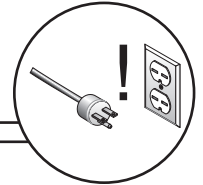
order online at www.grizzly.com or call 1-800-523-4777



SECTION 7: SERVICE

Review the troubleshooting and 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

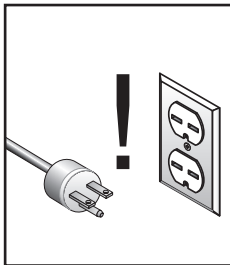


Motor & Electrical

Symptom	Possible Cause	Possible Solution
Motor will not start.	<ol style="list-style-type: none"> 1. Low voltage. 2. Open circuit in motor or loose connections. 3. Blown fuse or tripped circuit breaker. 4. Capacitor at fault. 5. Motor switch or motor is at fault. 	<ol style="list-style-type: none"> 1. Check power supply for proper voltage. 2. Inspect all lead connections on motor and circuit board for loose or open connections. 3. Repair for cause of overload and replace fuse or reset circuit breaker. 4. Replace capacitor. 5. Replace switch or motor.
Fuses or circuit breakers trip.	<ol style="list-style-type: none"> 1. Short circuit in line cord or plug. 2. Short circuit in motor or loose connections. 3. Incorrect fuses or circuit breakers in power supply. 	<ol style="list-style-type: none"> 1. Inspect cord or plug for damaged insulation and shorted wires and replace extension cord. 2. Inspect all connections on motor for loose or shorted terminals or worn insulation. 3. Install correct fuses or circuit breakers.
Motor overheats.	<ol style="list-style-type: none"> 1. Motor overloaded. 2. Air circulation through the motor restricted. 	<ol style="list-style-type: none"> 1. Reduce power feeder feed rate. 2. Clean out motor fan cover to provide normal air circulation.
Machine operates in reverse (G1096 only).	<ol style="list-style-type: none"> 1. Power connections wired out of phase (G1096 only). 	<ol style="list-style-type: none"> 1. Swap any two of the three incoming hot wires on the motor direction switch (see terminals 1, 5, and 21 shown on Page 27).
Workpiece jams when feeding under rollers.	<ol style="list-style-type: none"> 1. Rollers set too low. 2. Feeder at wrong angle. 	<ol style="list-style-type: none"> 1. Raise feeder. 2. Adjust angle.
Workpiece slips while passing beneath rollers.	<ol style="list-style-type: none"> 1. Rollers positioned too high, no traction. 2. Feeding too fast. 3. Rollers are dirty or oily. 4. Worn roller(s). 	<ol style="list-style-type: none"> 1. Lower feeder. 2. Slow feed speed. 3. Clean roller surface with a mild solvent. 4. Replace roller(s).
Workpiece cut is burnt.	<ol style="list-style-type: none"> 1. Wrong feed speed. 2. Cutter is at fault. 	<ol style="list-style-type: none"> 1. Adjust feed speed. 2. Sharpen or replace dull blade or cutter.
Rough finish or chipped grain on workpiece.	<ol style="list-style-type: none"> 1. Feed speed too fast. 2. Dull cutter or blade. 3. Power feeder angle is not toed in to keep workpiece against the fence. 	<ol style="list-style-type: none"> 1. Slow speed. 2. Replace with sharp cutter or blade. 3. Adjust power feeder so it is toed in 1° to 1.5° toward the fence.
Fuzzy grain occurs when planing or moulding.	<ol style="list-style-type: none"> 1. Lumber has high moisture content. 2. Dull knives. 	<ol style="list-style-type: none"> 1. If moisture content is higher than 20%, sticker and allow to dry. 2. Sharpen or replace knives.
Workpiece hangs and does not enter the machine.	<ol style="list-style-type: none"> 1. Power feeder roller height is set incorrectly. 	<ol style="list-style-type: none"> 1. Lower the power feeder roller 1/8" lower than the height of the workpiece.



Wheel Replacement

	<p>⚠ WARNING To reduce risk of shock or accidental startup, always disconnect machine from power before adjustments, maintenance, or service.</p>
---	--

Worn or damaged wheels are easily replaceable.

Tool Needed	Qty
Hex Wrench 5mm.....	1

To replace worn out or damaged wheel:

1. DISCONNECT MACHINE FROM POWER!
2. Remove (4) cap screws retaining wheel (Figure 24).

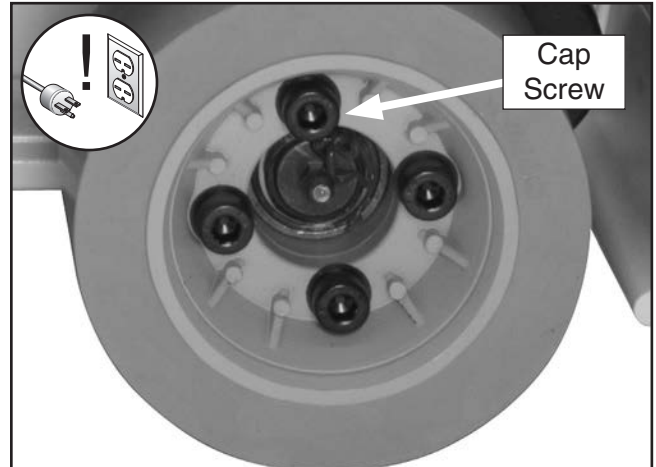


Figure 24. Wheel cap screws.

3. Remove and replace wheel.
4. Re-install (4) cap screws and tighten in alternating pattern.



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.













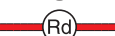

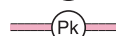
CAPACITORS/INVERTERS. Some capacitors and power inverters store an electrical charge for up to 10 minutes after being disconnected from the power source. To reduce the risk of being shocked, wait at least this long before working on capacitors.

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			



Model G1095 Wiring Diagram

View this page in color at www.grizzly.com.

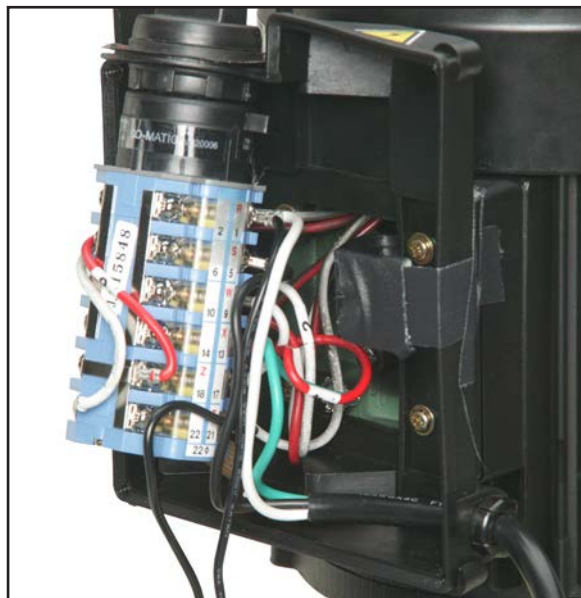
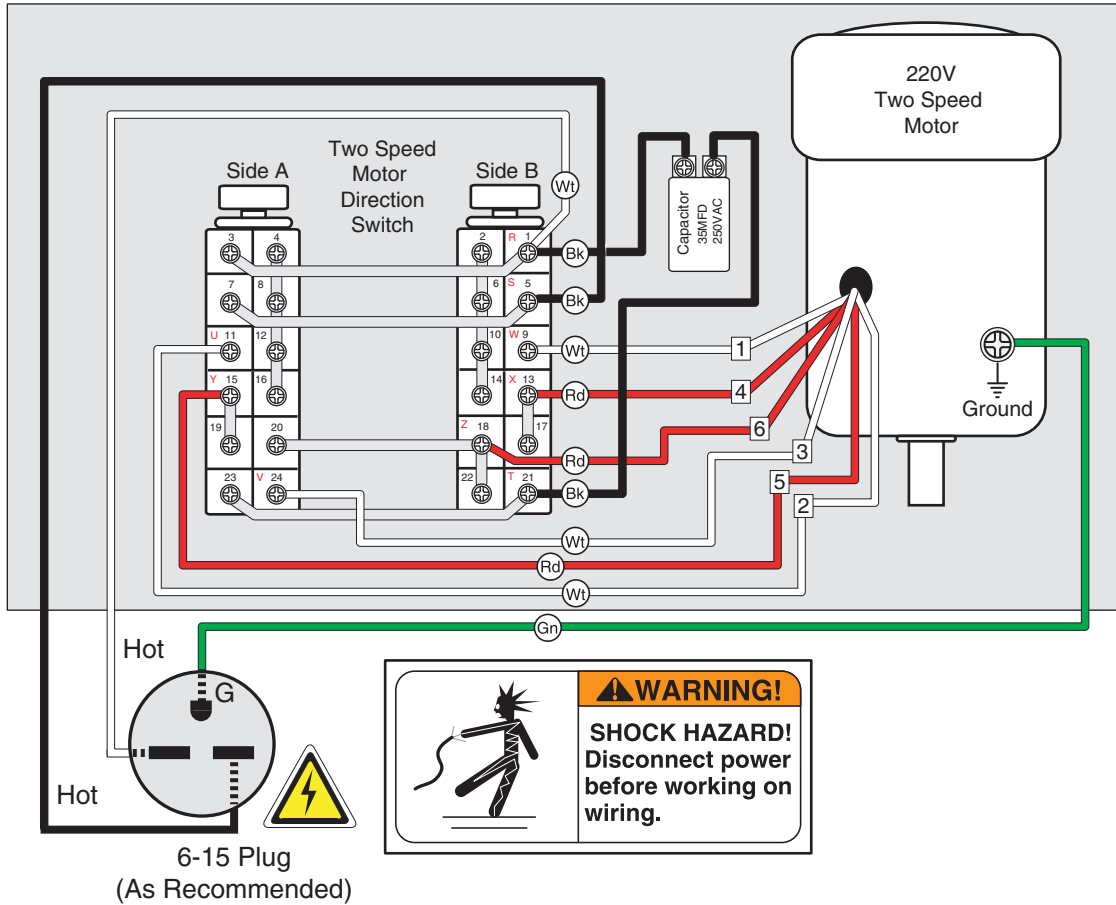


Figure 25. Motor switch (side view, G1095).



Figure 26. Motor switch and capacitor (front view, G1095).

Model G1096 Wiring Diagram



View this page in color at www.grizzly.com.

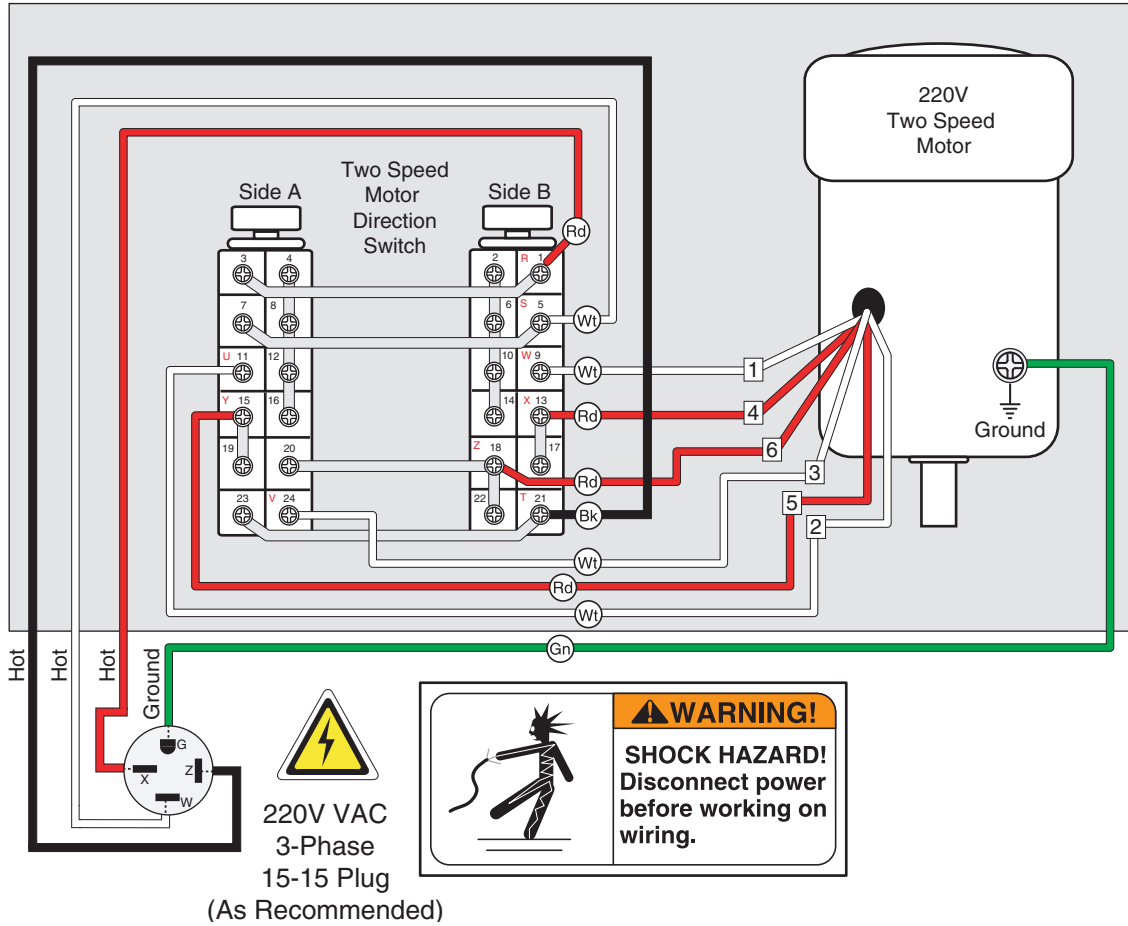


Figure 27. Motor switch (side view, G1096).



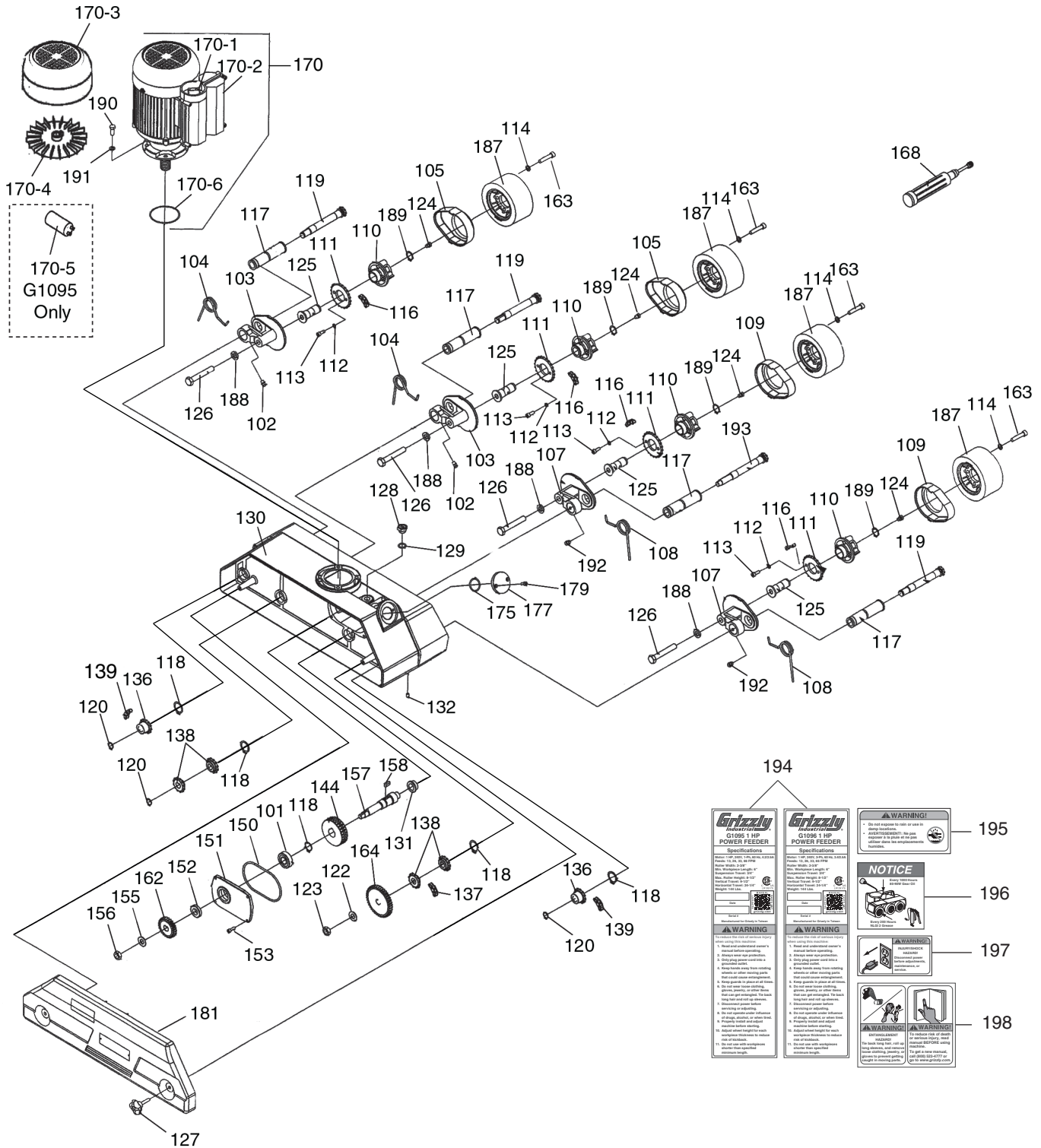
Figure 28. Motor switch (front view, G1096).



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 Breakdown



Main Parts List

REF	PART #	DESCRIPTION
101	P1096101	BALL BEARING 6203-2RS
102	P1096102	GREASE FITTING M6 X 1.0
103	P1096103	SPROCKET CASE
104	P1096104	TORSION SPRING 3.8 X 102
105	P1096105	CASE COVER
107	P1096107	SPROCKET CASE
108	P1096108	TORSION SPRING 3.8 X 102
109	P1096109	CASE COVER
110	P1096110	ROLLER SUPPORT
111	P1096111	SPROCKET
112	P1096112	LOCK WASHER 6MM
113	P1096113	CAP SCREW M6-1 X 16
114	P1096114	LOCK WASHER 8MM
116	P1096116	CHAIN 26S
117	P1096117	TUBE 27 X 19 X 103L
118	P1096118	EXT RETAINING RING 24MM
119	P1096119	SPROCKET SHAFT
120	P1096120	EXT RETAINING RING 13MM
122	P1096122	FLAT WASHER 1/2
123	P1096123	HEX NUT M12-1.75
124	P1096124	GREASE FITTING M6-1.0P X 1
125	P1096125	ROLLER SPINDLE
126	P1096126	SPRCKT CASE HEX BOLT M12-1.75 X 75
127	P1096127	KNOB M6-1 X 301
128	P1096128	OIL CAP 16MM
129	P1096129	O-RING 14.8 X 2.4 P15
130	P1096130	CASTING
131	P1096131	BUSHING 29D X 23D
132	P1096132	SET SCREW M6-1 X 10
136	P1096136	SPROCKET 12T X 3/8"
137	P1096137	CHAIN 62S
138	P1096138	DOUBLE SPROCKET 12T
139	P1096139	CHAIN 40S
144	P1096144	WORM GEAR BRASS 36T

REF	PART #	DESCRIPTION
150	P1096150	WORM GR BX CVR O-RING 101.19 X 3.53
151	P1096151	WORM GEAR BOX COVER
152	P1096152	OIL SEAL 17 X 32 X 7T
153	P1096153	CAP SCREW M5-.8 X 16
155	P1096155	FLAT WASHER 1/2
156	P1096156	HEX NUT M12-1.75
157	P1096157	WORM GEAR SHAFT
158	P1096158	WORM GEAR SHAFT KEY 6 X 6 X 18L
162	P1096162	GEAR 25T
163	P1096163	CAP SCREW M8-1.25 X 40
164	P1096164	GEAR 40T
168	P1096168	LUBRICATOR
170	P1095170	MOTOR 1HP 220V 1-PH (G1095)
170	P1096170	MOTOR 1HP 220V 3-PH 25PD (G1096)
170-1	P1096170-1	SWITCH W/ELECTRICAL BOX
170-2	P1096170-2	BOX COVER
170-3	P1096170-3	FAN COVER
170-4	P1095170-4	MOTOR FAN (G1095)
170-4	P1096170-4	MOTOR FAN (G1096)
170-5	P1095107-5	R CAPACITOR 35M 250V 1-1/2 X 2-3/4 (G1095)
170-6	P1096170-6	SEALING RING 30 X 52 X 11T
175	P1096175	O-RING 27.5 X 2.0 S28
177	P1096177	CAP
179	P1096179	CAP SCREW M5-.8 X 10
181	P1096181	BACK COVER
187	P1096187	FLANGE WHEEL W/ RUBBER ROLLER TIRE
188	P1096188	LOCK WASHER 12MM
189	P1096189	EXT RETAINING RING 20MM
190	P1096190	HEX BOLT M8-1.25 X 20
191	P1096191	LOCK WASHER 8MM
192	P1095192	GREASE FITTING M6 - 1 STRAIGHT (G1095)
192	P1096192	GREASE FITTING M6 X 1.0 (G1096)
193	P1096193	SPROCKET SHAFT

NOTICE

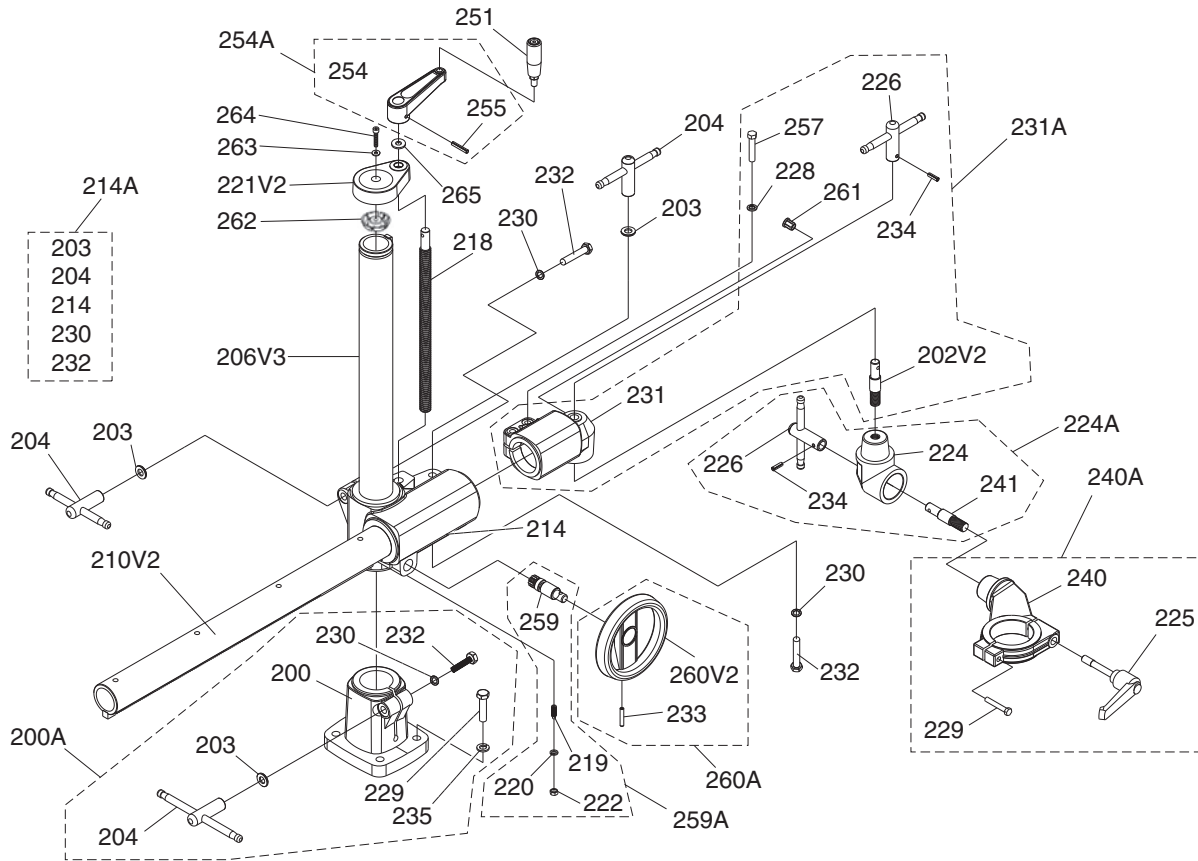
We do our best to stock replacement parts when possible, but we cannot guarantee that all parts shown are available for purchase. Call (800) 523-4777 or visit www.grizzly.com/parts to check for availability.

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.



Base Breakdown



Base Parts List

REF	PART #	DESCRIPTION
200A	P1096200A	COLUMN BASE ASSEMBLY
200	P1096200	COLUMN BASE
202V2	P1096202V2	STANDOFF-HEX V2.12.13
203	P1096203	FLAT WASHER 12MM
204	P1096204	T-HANDLE W/THREADS
206V2	P1096206V2	VERTICAL COLUMN 560MM V2.12.13
210V2	P1096210V2	OVER ARM 720MM V2.12.13
214A	P1096214A	ELEVATION BRACKET ASSEMBLY
214	P1096214	ELEVATION BRACKET
218	P1096218	ELEVATION SCREW M19-4 X 380
219	P1096219	SET SCREW M8-1.25 X 20
220	P1096220	LOCK WASHER 8MM
221A	P1096221A	COLUMN CAP ASSEMBLY
221	P1096221	COLUMN CAP
222	P1096222	HEX NUT M8-1.25
224A	P1096224A	SWIVEL CONE ASSEMBLY
224	P1096224	SWIVEL CONE
225	P1096225	ADJUSTABLE HANDLE M6-1 X 36
226	P1096226	T-HANDLE W/HOLE FOR PIN
228	P1096228	FLAT WASHER 10MM
229	P1096229	HEX BOLT M8-1.25 X 50
230	P1096230	INT TOOTH WASHER 12MM

REF	PART #	DESCRIPTION
231A	P1096231A	OVER ARM CONE ASSEMBLY
231	P1096231	OVER ARM CONE
232	P1095232	HEX BOLT M12-1.75 X 75 (G1095)
232	P1096232	HEX BOLT M12-1.75 X 75 (G1096)
233	P1096233	ROLL PIN 6 x 36
234	P1096234	ROLL PIN 6 X 22
235	P1096235	LOCK WASHER 12MM
240A	P1096240A	MOTOR CLAMP ASSEMBLY
240	P1096240	MOTOR CLAMP
241	P1096241	MOTOR CLAMP CONNECTOR
251	P1096251	HANDLE M10-1.5 X 70
252	P1096252	SET SCREW M8-1.25 X 12 CONE-PT
254A	P1096254A	CRANK ASSEMBLY
254	P1096254	CRANK
255	P1096255	ROLL PIN 6 x 36
257	P1096257	HEX BOLT M10-1.5 X 50
259A	P1096259A	PINION ASSEMBLY
259	P1096259	PINION
260A	P1096260A	HANDWHEEL ASSEMBLY
260V2	P1096260V2	HANDWHEEL W/O HANDLE V2.12.13
261	P1096261	STRAIN RELIEF





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
- Card Deck
- Friend
- Website
- Catalog
- 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?

- \$20,000-\$29,000
- \$30,000-\$39,000
- \$40,000-\$49,000
- \$50,000-\$59,000
- \$60,000-\$69,000
- \$70,000+

4. What is your age group?

- 20-29
- 30-39
- 40-49
- 50-59
- 60-69
- 70+

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

- 0-2 Years
- 2-8 Years
- 8-20 Years
- 20+ Years

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

- 0-2
- 3-5
- 6-9
- 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

Buy Direct and Save with Grizzly[®] – Trusted, Proven and a Great Value!
~Since 1983~

*Visit Our Website Today For
Current Specials!*

**ORDER
24 HOURS A DAY!
1-800-523-4777**

