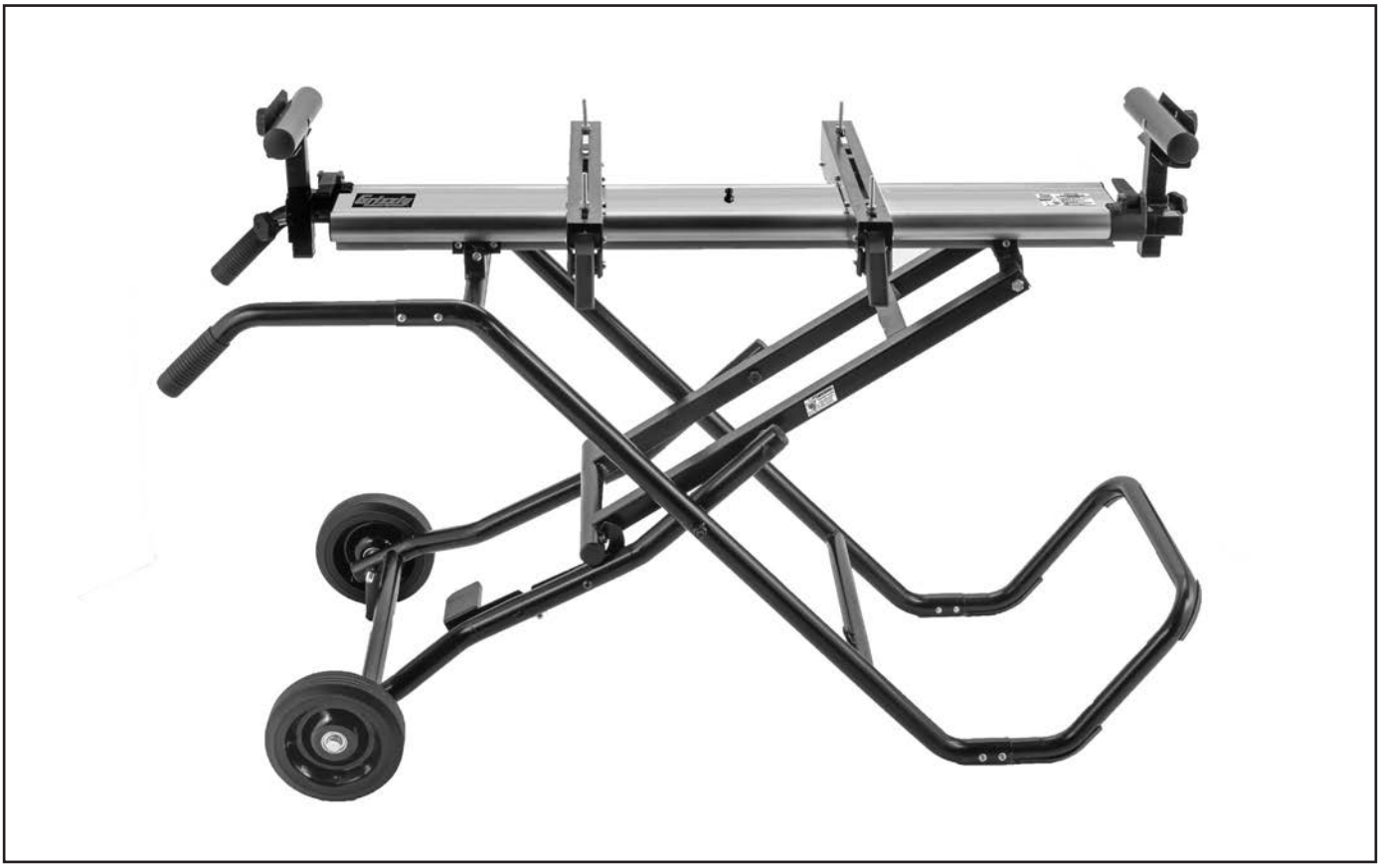
MODEL T33296
MOBILE MITER SAW STAND
OWNER'S MANUAL
(For models manufactured since 07/23)



#CR22861 PRINTED IN TAIWAN V1.08.23

******Keep for Future Reference******

⚠ 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

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

Specifications

Maximum Miter Saw Size	12 in.
Maximum Capacity (Table Only)	350 lbs.
Operating Length	57-1/2 - 124 in.
Operating Height	33-3/4 - 37-3/4 in.
Net Weight	61 lbs.
Shipping Weight	71 lbs.
Collapsed Dimensions	56-1/2 x 23 x 10-1/8 in.

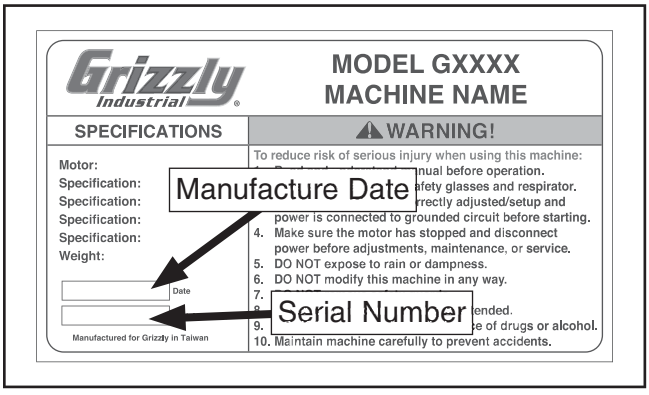
Manual Accuracy

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.



SECTION 1: SAFETY

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

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

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

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

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

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

Safety Instructions for Machinery

⚠WARNING

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

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

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

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

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

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

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

⚠WARNING

WEARING PROPER APPAREL. Do not wear loose clothing, gloves, neckties, 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 Miter Saw Stands

⚠WARNING

Serious cuts, amputation, or death can occur from contact with rotating saw blade during operation. Workpieces, broken blades, or flying particles thrown by blade can blind or strike operators or bystanders with deadly force. To reduce the risk of these hazards, operator and bystanders MUST completely heed the hazards and warnings below.

HAND & BODY POSITIONING. Keep hands at least 4" away from spinning saw blade and out of blade path when cutting. Only operate at front of machine. Never reach behind or around blade and never support the workpiece cross handed.

WORKPIECE SUPPORT. To maintain maximum control and reduce risk of blade contact from binding or kickback, always ensure stable, adequate support for long/large workpieces. Always keep workpiece stationary, flat, and firmly held against table/fence when cutting to avoid loss of control. Secure workpieces with clamps whenever possible. Only cut one workpiece at a time—do not cut stacks. Warped material may cause binding so it must be clamped with outside bowed face toward fence so there is no gap between workpiece, fence, and table along line of cut.

DULL/DAMAGED SAW BLADES. Broken saw blade teeth can become deadly projectiles. Do not operate with damaged, cracked, or badly worn blades. Inspect for damage before each use.

CUTTING CORRECT MATERIAL. Never cut ferrous materials as they increase risk of operator injury and can produce sparks or flying particles that may jam. Only cut natural and man-made wood products, laminate-covered wood products, and some plastics. Inspect workpiece for warping or embedded materials like nails or other foreign objects before cutting.

SMALL WORKPIECES. If hands slip during cut while holding small workpieces with fingers, serious personal injury could occur. Always support small, narrow, and round workpieces with appropriate type of clamping fixture. Do not cut workpieces that are too small to effectively support or require hands/fingers to be closer than 4" away from blade.

CHANGING BLADES. Accidental startup while changing saw blade can result in serious injury. Always disconnect power before changing blades and wear gloves to protect hands. Do not use blades with different diameters or arbor hole shapes/sizes. Always ensure blade is oriented with marked blade rotation direction.

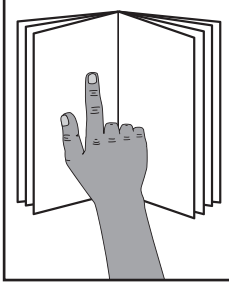
BLADE ADJUSTMENTS. Adjusting blade miter or tilt during operation increases risk of crashing blade and sending metal fragments flying at operator or bystanders. Only adjust blade when blade is completely stopped and saw is disconnected from power and be sure to lock settings and adjust fence to properly support workpiece and clear guard and blade before operation.

SAW OPERATION. Ensure miter stand is placed on level, firm work surface before use and clear all tools, wood scraps, etc., as debris can be thrown at high speeds. Always allow blade to reach full speed before contacting workpiece. When cut is finished, allow blade to completely stop before removing workpiece. Hold handle firmly when making non-through cuts and when releasing trigger before saw head is completely in down position.

BLADE GUARD. Make sure blade guard is installed, working correctly, and used for all cuts. Promptly repair or replace if damaged. Re-install immediately after servicing saw blade.

JAMMED OR CUT-OFF PIECES. To avoid risk of injury due to blade contact, turn saw ***OFF*** and allow blade to completely stop before removing cut-off pieces. Unplug saw before working to free jammed pieces. Never use your hands to move cut-off pieces away from blade while saw is running. Do not use stop blocks that may wedge cut-off pieces against saw blade.

SECTION 2: SETUP



⚠WARNING

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

⚠WARNING

Wear safety glasses during the entire setup process!

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.*

Needed for Setup

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

Description	Qty
• Hex Wrench 6mm	1
• Phillips Head Screwdriver #2	1
• Combination Wrench 10mm	1
• Combination Wrench 19mm	1
• Adjustable Wrench 0–20mm	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.

Inventory (Figures 1–2)	Qty
A. Miter Stand Assembly	1
B. Clamping Rails	2
— Carriage Bolts M8-1.25 x 55	4
— Flat Washers 8mm	4
— Lock Nuts M8-1.25	4
C. Offset Mounts	2
— Carriage Bolts M8-1.25 x 16	2
— Flat Washers 8mm	2
— Hex Nuts M8-1.25	2
D. Handle Bars	2
— Phlp Hd Screws M6-1 x 45	4
— Hex Nuts M6-1	4
E. Skid Rail	1
— Phlp Hd Screws M6-1 x 45	4
— Hex Nuts M6-1	4
F. T-Supports	2
— Knobs	2
— Carriage Bolts M6-1 x 55	2
G. Angle Flanges	2
— Knob Bolts	2
H. Wheels	2
— Axle Bolts M12-1.75 x 120	2
— Lock Nuts M12-1.75	2

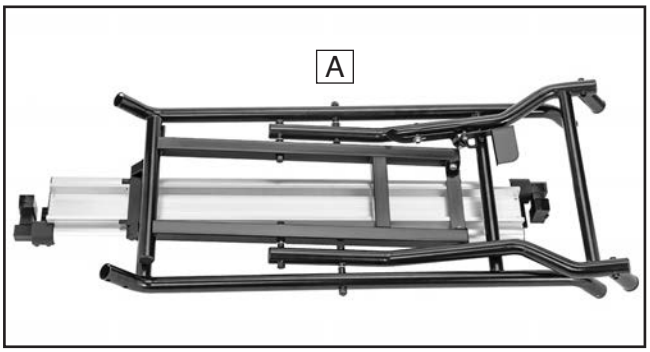


Figure 1. Miter stand assembly inventory.

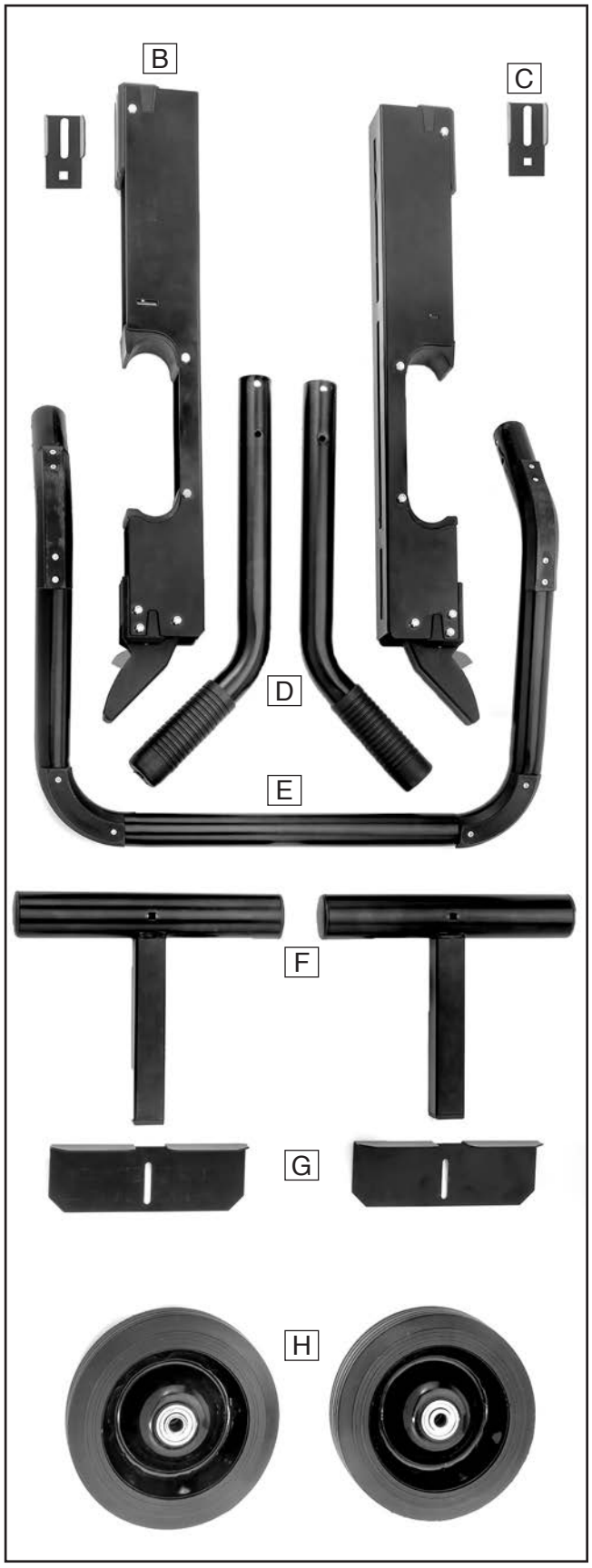


Figure 2. T33296 inventory small parts.

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.

Site Considerations

Placement Location

Consider anticipated workpiece sizes and additional space needed for auxiliary stands, work tables, or other machinery when establishing a location for this machine in the shop. Below is the minimum amount of space needed for the machine.

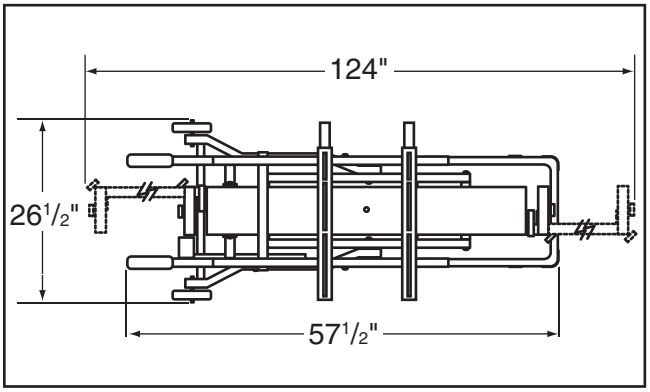


Figure 3. Minimum working clearances.

Assembly

The machine must be fully assembled before it can be operated. Before beginning the assembly process, refer to **Needed for Setup** and gather all listed items. To ensure the assembly process goes smoothly, first clean any parts that are covered or coated in heavy-duty rust preventative (if applicable).

To assemble miter stand:

1. Place miter stand table-side down, and orient as shown in **Figure 4**.

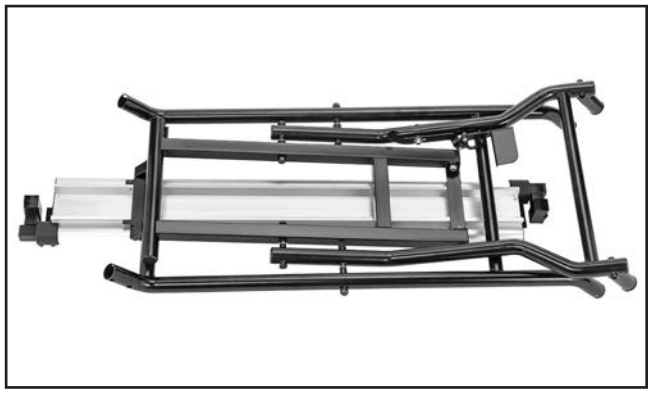


Figure 4. Miter stand table-side down.

2. Press foot pedal down until stow lock disengages lock ring shown in **Figure 5**.

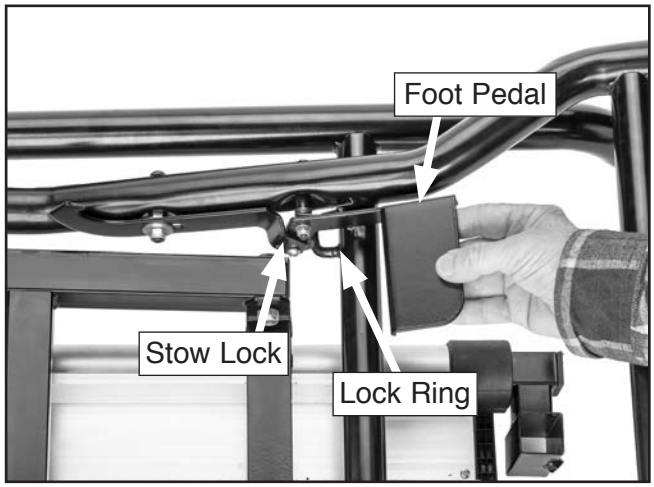


Figure 5. Releasing stow lock.

3. While holding foot pedal in its unlocked position, grasp foot bar shown in **Figure 6** and lift upward until foot pedal elevation lock engages with lock lug shown in **Figure 7**.

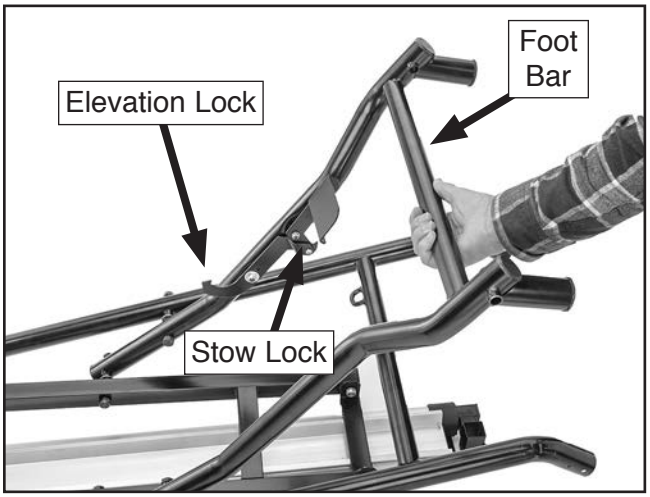


Figure 6. Lifting foot bar.

Figure 7. Elevation lock engaged with lock lug.

4. At this point miter stand will be locked in its fully unfolded position, as shown in **Figure 8**.

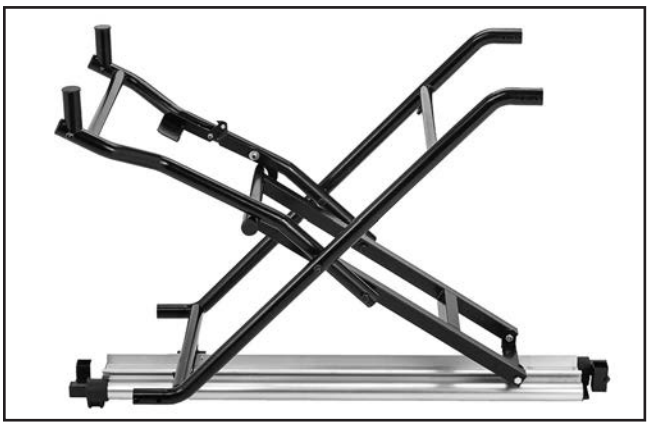


Figure 8. Miter stand locked upside down.

5. Locate (2) wheels, (2) M12-1.75 x 120 hex bolts, and (2) 12mm lock nuts.

6. Insert bolt through wheel, so it protrudes through domed hub.

7. Install wheel and bolt onto stand, so there is a gap between frame and wheel, as shown in **Figure 9**. Do not over-tighten locking nut or wheel will bind.

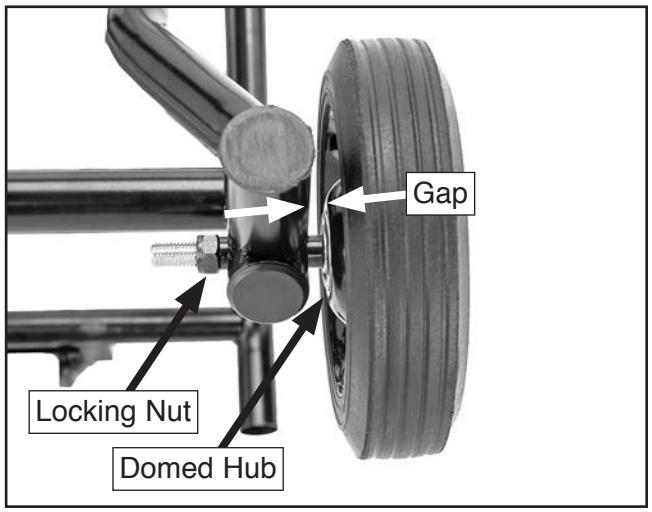


Figure 9. Wheel installed with gap.

8. Install remaining wheel, bolt, and lock nut.

9. Locate and lay-out skid frame, (4) M6-1 x 45 Phillips head screws, and (4) M6-1 lock nuts.

10. Attach skid frame as shown in **Figure 10**, and make sure to install screws with nuts on inside of stand and screw heads on outside of stand.

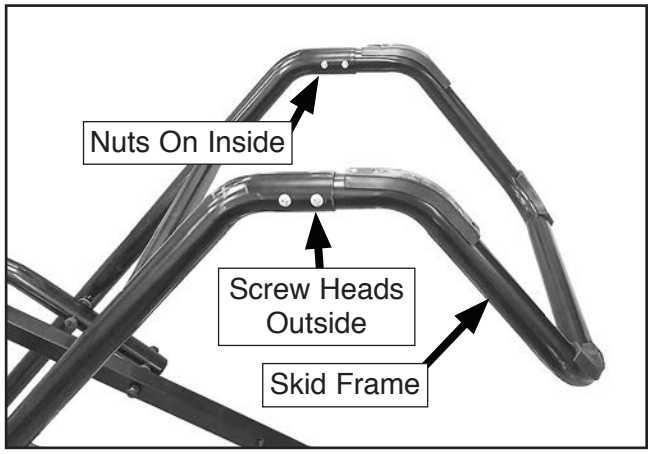


Figure 10. Skid frame installed.

11. Making sure stand stays locked in unfolded position, invert stand to upright position, as shown in **Figure 11**.

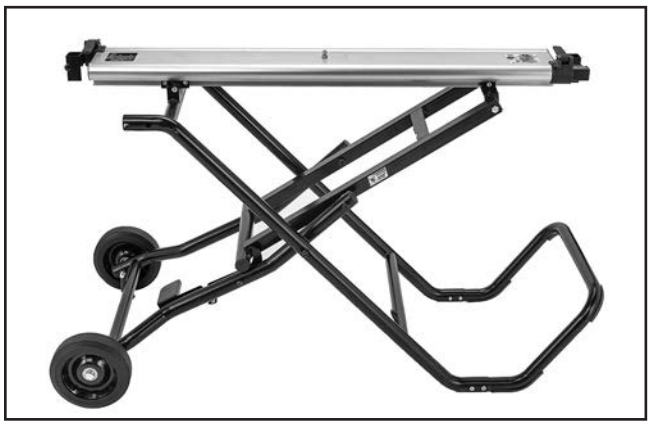


Figure 11. Miter stand unfolded and upright.

12. Locate (2) T-supports, (2) M6-1 x 55 carriage bolts, (2) knobs, and (2) knob bolts.

13. Attach T-support onto support tube using knob bolt, as shown in **Figure 12**.

14. Install angle flange using M6-1 x 55 carriage bolt and knob, as shown in **Figure 12**.

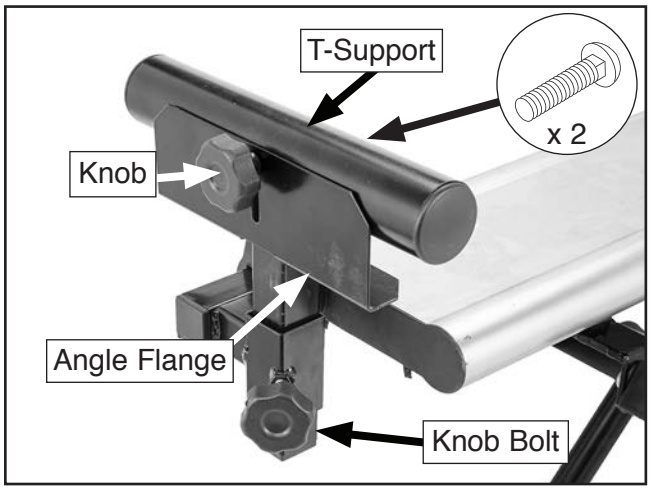


Figure 12. T-support angle flange installed.

15. Install remaining T-support and angle flange.

16. Locate (2) handle bars, (4) M6-1 x 45 Phillips head screws, (4) M6-1 lock nuts.

17. Position both handle bars pointing downward, as shown in **Figure 14**, and fasten using screws making sure smooth heads are facing outward.

18. Locate (2) clamping rails, (4) M8-1.25 x 55 carriage bolts, (4) 8mm flat washers, and (4) M8-1.25 lock nuts.

19. Loosely install carriage bolts, washers, and nuts in slots of clamping rails, as shown in **Figure 13**. These fasteners are used for mounting most miter saws.

Note: *You may have to select different fasteners depending on your model of miter saw.*

20. Grasp clamping rail handle and depress lock trigger with index finger.

21. Engage far end of clamping rail on miter stand table as shown in **Figure 13**.

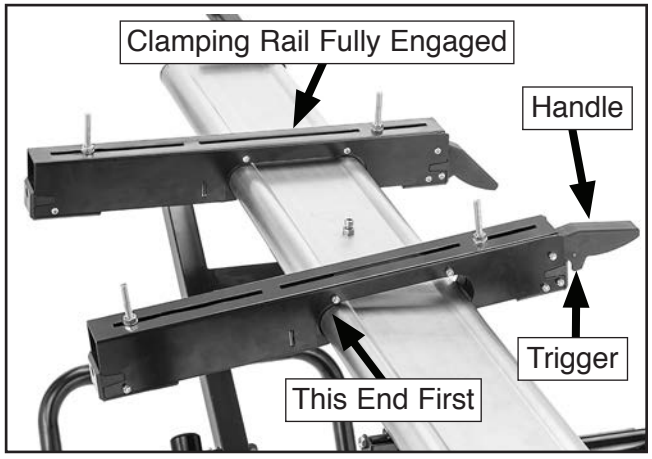


Figure 13. Clamping rail installation.

22. Keeping far end engaged with table and lock trigger depressed, push handle end down until clamping rail fully engages on table by releasing lock trigger.

23. Install remaining clamping rail.

24. Verify that miter stand has been assembled completely, and that it matches what is shown in **Figure 14**.

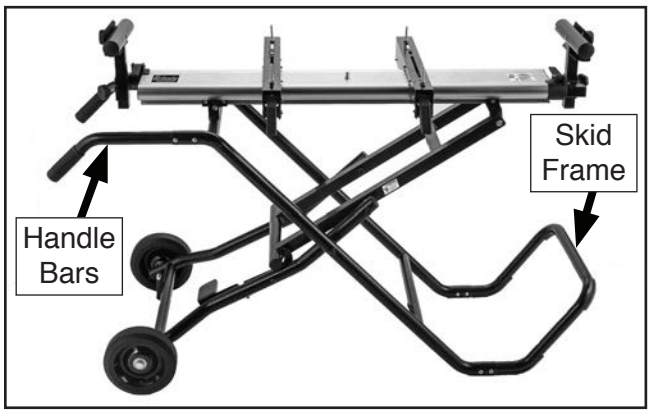


Figure 14. Assembly complete.

25. On each end of miter stand table, unlock each rail lock lever (see **Figure 15**) and slide rails out from their retracted position (see **Figure 16**) until they hit their internal stops, then lock in place**.**

Operation should be smooth and levers should lock T-support rails securely in place.

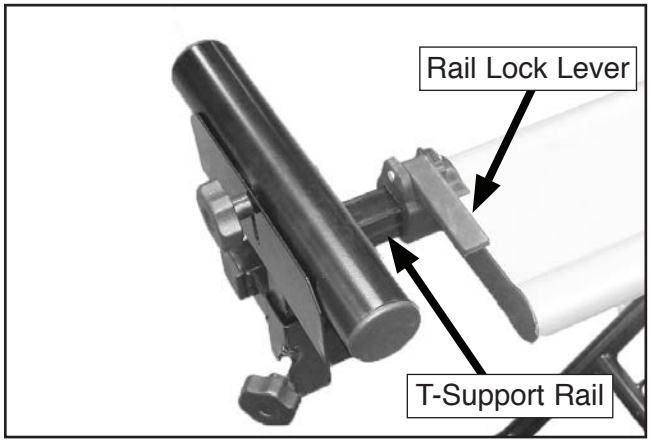


Figure 15. T-support rail lock lever.

Figure 16. T-support rails fully extended.

Installing Miter Saw

The Model T33296 miter saw stand features two adjustable clamping rails that have a series of 3/8" (8.2mm) slots that run along the top of each rail.

When carriage bolts are used in these slots, along with the ability of the mounting rails to be slid right and left, one can mount most miter saws with blades up to 12".

In the event that a miter saw has an obscure base casting/mounting design, additional offset mounting brackets (see **Figure 18**) have been included to accommodate for unique bolt patterns. In the event the offset brackets will not work, one can also fasten a 3/4" thick flat board to the mounting rails and then fasten the miter saw to the board.

There is an array of other machines such as small planers and jointers that are mountable to this miter saw stand; however, we do not recommend this use. Since the workpiece needs to be pushed in the direction that the stand rolls, the stand can move during workpiece feeding increasing likelihood of workpiece kickback and possible injury.

⚠CAUTION

Do not mount a planer/jointer, or any other machine on this stand that has an infeed direction that matches the direction that the stand rolls. If you do, you create a risk of miter stand moving during workpiece feeding resulting in possible workpiece kickback and severe injury.

⚠CAUTION

This miter stand presents the risk of hand and fingers being pinched. When folding and unfolding this miter stand, keep fingers and hands away from all pivot and pinch points.

⚠CAUTION

If installing or removing saw from table alone, you may have to overreach, adding extra stress to lower back. To avoid lower back injury, get assistance from a second person when installing or removing saw.

To install miter saw:

1. Position clamping rails on table so handles are on rear of miter saw, and weight of saw is centered in middle of table (see **Figure 17**).

The reason for this rear handle positioning is that when miter saw rails are unclamped and removed from table, majority of saw weight is as close to your body as possible for easier lifting and placement control. However, for maximum safety we recommend help from a second person for removal and installation.

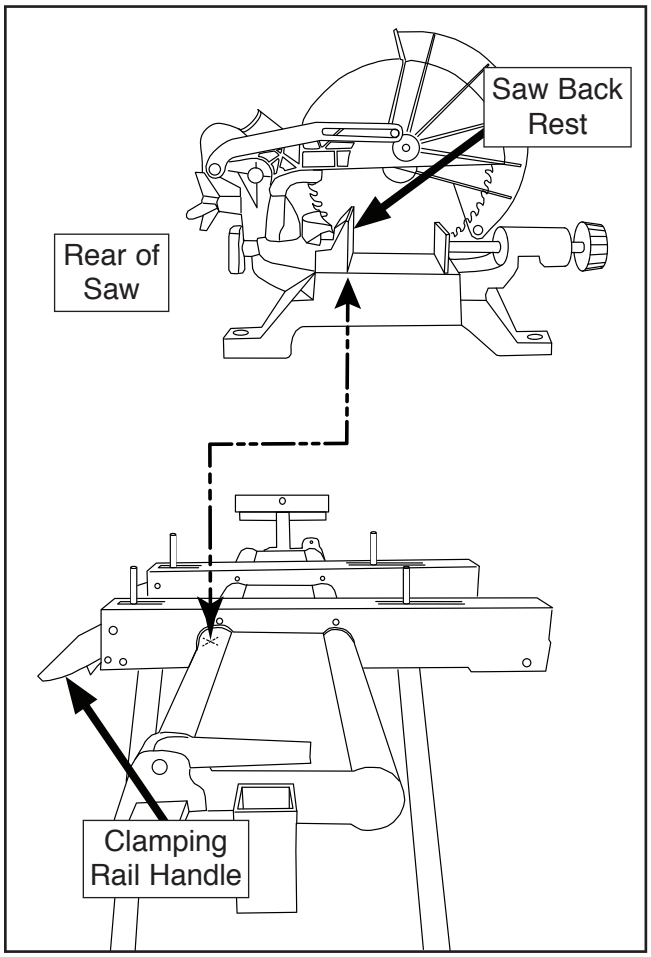


Figure 17. Miter saw and table alignment.

2. Lock clamping rails to stand table so they stay parallel when mounting miter saw.

3. Position miter saw on clamping rails, so miter saw back rest is parallel with table and its center of gravity lies in center of table.

4. When satisfied with miter saw location in relation to miter stand, fasten miter saw to rails using (4) carriage bolts, applicable nuts, and washers shown in **Figure 18**.

Note: *Different carriage bolts, washers, and nuts may have to be used to accommodate some miter saw bases.*

To prevent cracking or bending of miter saw base do not use impact tools to tighten fasteners; only tighten by hand.

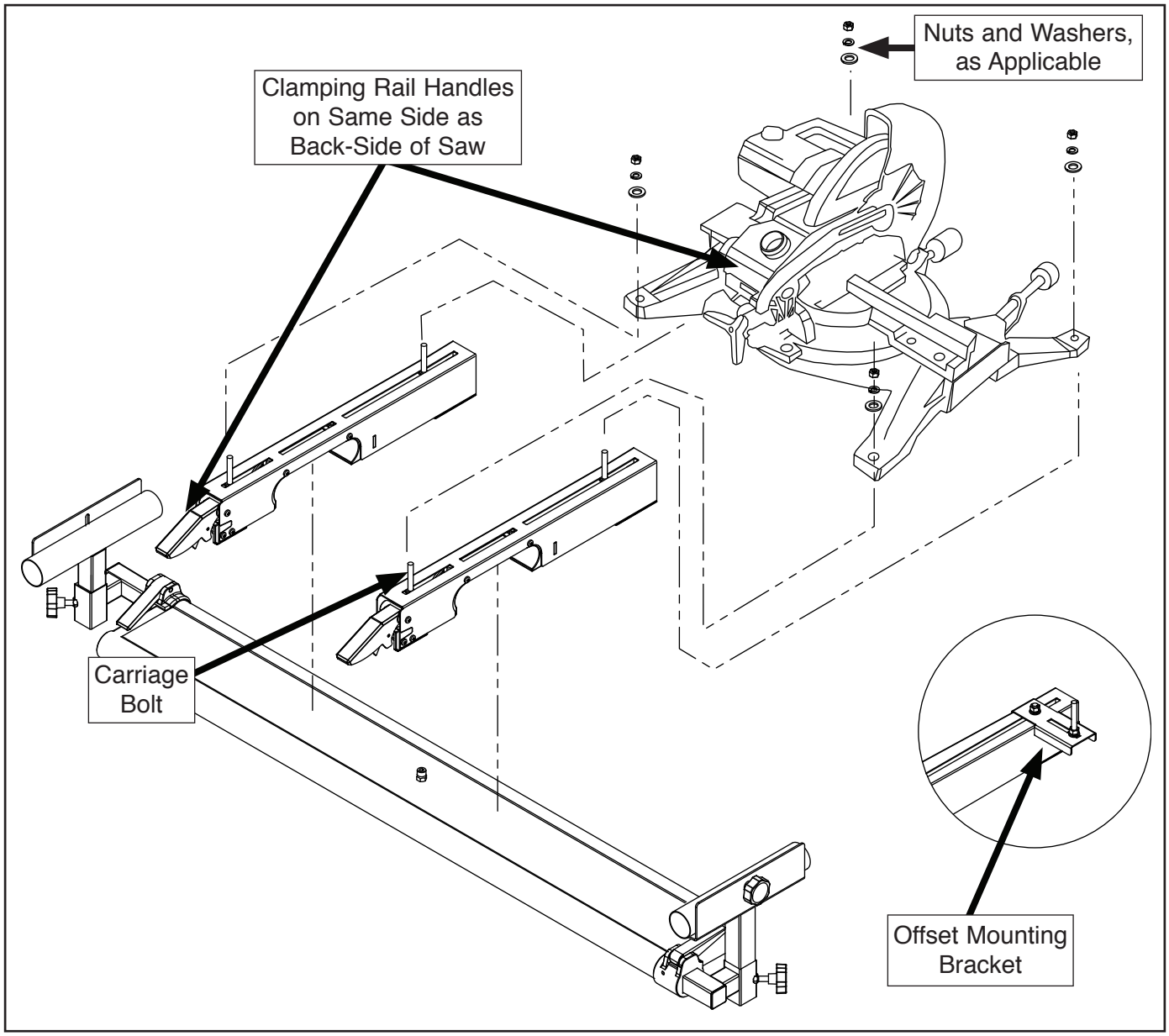
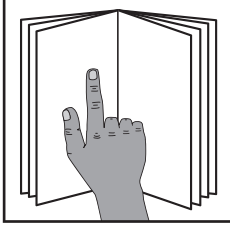


Figure 18. Mounting miter saw.

SECTION 3: OPERATIONS

Operation Overview

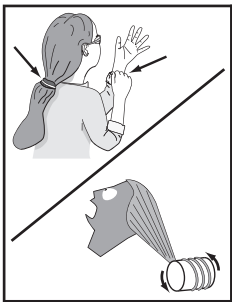


⚠WARNING

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

⚠WARNING

Eye injuries, respiratory problems, or hearing loss can occur while operating this tool. Wear personal protective equipment to reduce your risk from these hazards.



⚠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.

To complete a typical operation, operator does the following:

1. Visually verifies miter saw is firmly mounted and rails are locked to miter stand table.
2. Uses handle bars and wheels to roll miter stand to work area.
3. Uses handle bars and foot bar to stabilize and support weight of stand and saw.
4. Presses foot pedal to release stow lock and lowers stand until elevation lock engages.
5. Verifies miter stand is fully locked in unfolded position, is stable, and able to support miter saw operations without moving.
6. Verifies workpiece to be cut does not overload stand and/or bend T-support rails when extended (adds additional support if needed).
7. Unlocks mounting rails, slides miter saw to saw operation location, and locks rails in place.
8. Adjusts T-supports and support rails to support workpiece for miter saw operations.
9. Puts on PPE, connects saw to power, and performs operation, per saw owner's manual.
10. Disconnects saw from power, locks saw, and stows power cord.
11. Unlocks mounting rails, slides rail against stop bolt, and locks rails and saw in its stow location.
12. Uses handle bars and foot bar to stabilize and support weight of stand and saw.
13. Presses foot pedal to release elevation lock, and lifts stand until stow lock engages and locks stand in folded vertical position.
14. Verifies stow lock is fully engaged and rolls miter stand to storage area.

Folding & Unfolding Miter Saw Stand

This miter stand has two locking positions: Folded for stowage or unfolded for saw operations. When the stand is unfolded for use, for maximum stability and load bearing safety, saw must be locked at the operation location shown in **Figure 19.**

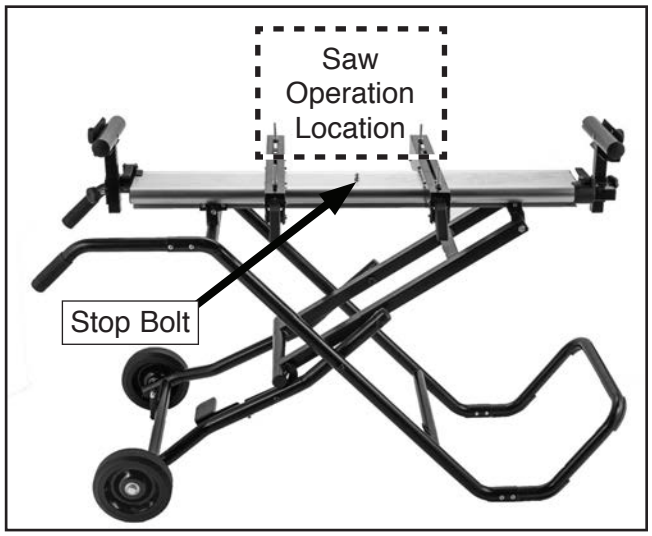


Figure 19. Saw operation location.

Before folding the miter stand for stowage, move the miter saw to the saw stow location (as far away from the wheels as possible) or until one rail contacts the stop bolt, as shown in **Figure 20.** This weight distribution gives better leverage when the stand is being folded and unfolded. In this position the stand is not as top heavy when carted on its wheels in its vertical folded position.

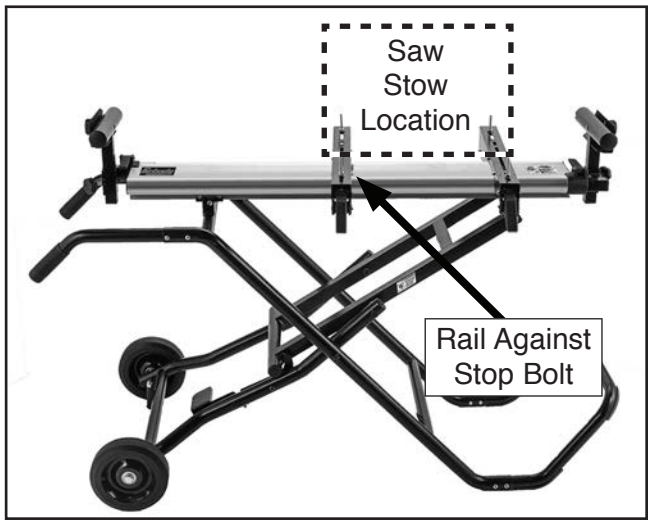


Figure 20. Saw stow location.

Folding Miter Stand

1. Lock saw in stow location (see **Figure 20**).

2. Hold handle bars firmly and place right foot on foot bar, as shown in **Figure 21**.

3. Unload saw weight by lifting handle bars, roll right foot forward, and press toe against foot pedal to unlock elevation lock latch**.**

4. Keep foot firmly on foot bar and lift upward on handle bars the rest of the way until stand is heard locking in vertical folded position.

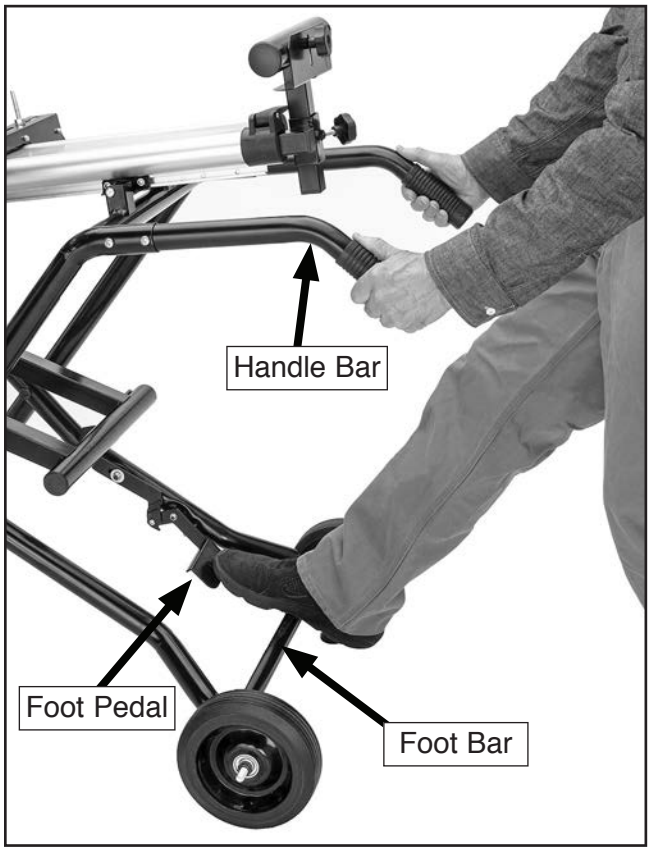


Figure 21. User control positions.

Unfolding Miter Stand

1. Position hands and foot, as shown in **Figure 21**, pull down on handle bars, unloading saw weight, then roll right foot forward pressing toe against foot pedal to unlock stow latch**.**

2. Keep foot firmly on foot bar and lower handle bars until stand is heard locking in unfolded position.

3. Move and lock saw in operation location, as shown in **Figure 19**.

SECTION 4: 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.

D2273—Single-Roller Stand
D2274—5-Roller Stand
These roller stands are invaluable when working solo in any shop for outfeeding and support tasks. With 15⅞" wide rollers, 250 lb. capacity, and adjustable height of 26½"–44½" height, and all steel construction make them convenient and rugged.

Figure 22. D2273 and D2274 single- and 5-roller stands.

G1163P—1 HP Floor-Model Dust Collector
G0710—1 HP Wall-Mount Dust Collector
G3591—30 Micron Replacement Bag
H4340—3.0 Micron Upgrade Bag
Excellent point-of-use dust collectors that can be used next to the machine with only a small amount of ducting. Specifications: 537 CFM, 7.2" static pressure, 1.5 cubic foot bag, and 30-micron filter. Motor is 1 HP, 120V/240V, 7A/3.5A.

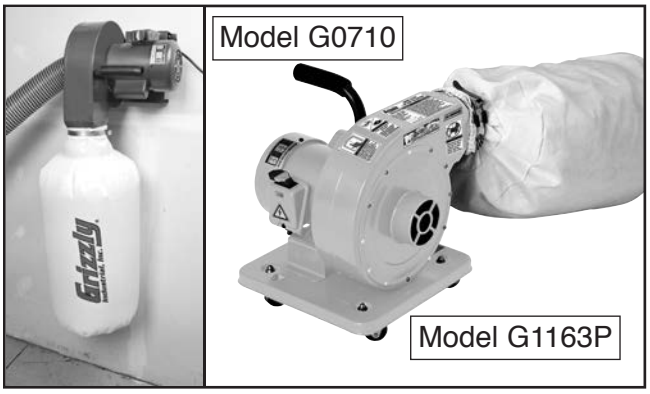
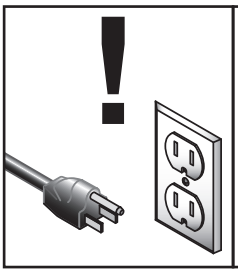


Figure 23. Point-of-use dust collectors.

SECTION 5: MAINTENANCE



⚠WARNING

To reduce risk of shock or accidental startup, always disconnect machine from power before adjustments, maintenance, or service.

Schedule

For optimum performance from this miter stand, follow this maintenance schedule.

Ongoing
To minimize your risk of injury and maintain proper operation, stop using miter stand and saw if you ever observe or suspect any of the problems listed below. Fix any problem before continuing operations:

Daily Check
- Inadequate locking of clamping rails.
- Loose/worn nuts and bolts at pivot locations.
- Worn or bent foot pedal, lock hooks, or pins.
- Loose table fasteners or wheels.
- Loose or missing saw mounting fasteners.
- Bent or cracked stand frame welds.
- Missing loose, or damaged skid pads.
- Bent or cracked clamping rails and handles.
- Bent or cracked workpiece rails or T-supports.
- Loose or inadequate locking of workpiece rails or T-supports.

Cleaning & Protecting

Cleaning the Model T33296 is easy. Vacuum excess sawdust and wipe off remaining dust with a dry cloth. If any resin has built up, use a resin dissolving cleaner to remove it. Extend workpiece support rails completely and wipe surfaces clean with a rag moistened with mineral spirits. Lightly oil lock knob threads to prevent rust.

Inspection & Maintenance

After long-term or heavy use the miter stand mechanisms may wear.

To maintain safe working order and trouble-free locking, periodically inspect all miter stand wear points and tighten/repair/replace parts as needed.

The key areas to inspect for maintenance are as follows:

- Verify that rubber handle bar grips are tight on handle bars and have no chance of slipping off.
- Inspect clamping rail handles and make certain they are undamaged and crack free.
- Inspect foot pedal mechanism for any damage, wear, broken spring, or loose fasteners.
- Remove and inspect T-support lock knobs for serviceable threads, then clean and oil threads.
- Inspect wheels axle bolts for secure lock nuts, and apply light machine oil to wheel axle bolts.
- Remove from tires and skid pads any imbedded staples, nails, and any other item that may scratch floors. Replace any missing skid pad screws.
- Inspect and test rail locking mechanism and lock shoe for any damage and for smooth and easy locking. If rail locking is inadequate, or will not lock, see **Clamping Adjustment** on **Page 17**.

Clamping Adjustment

After a period of time, the tension mechanism in the clamping rails will need to be adjusted. Rail clamping should be snug enough to prevent movement, but not overly tight where trigger lock operation is prevented. This adjustment may be done with the saw installed on the rails, or with the rails removed.

Tools Needed	**Qty**
Phillips Head Screwdriver #2	1
Combination Wrench 10mm	1

To adjust clamping of mounting rails:

1. DISCONNECT SAW FROM POWER!

2. Unlock clamping rail.

3. Loosen lock nut shown in **Figure 24** and turn adjusting screw to increase or decrease clamping of rail.

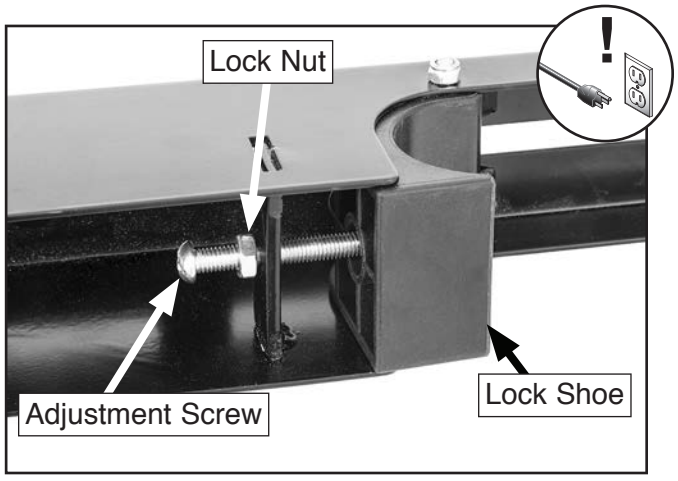


Figure 24. Clamping rail adjustment.

4. Place rail on miter stand table and test clamping adjustment. When clamped, trigger lock will click indicating rail is locked to miter table and rail will not move.

Ensure clamping rail trigger lock shown in **Figure 25** fully engage lock bars.

If trigger lock shows substantial wear, or it does not lock correctly after clamping adjustment, replace clamping rail assembly.

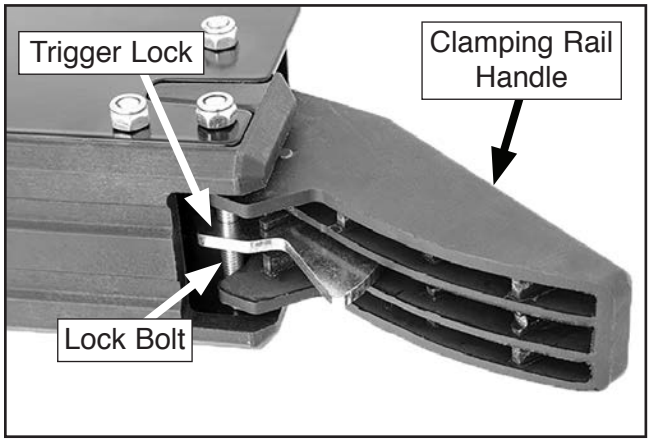


Figure 25. Engaged trigger lock.

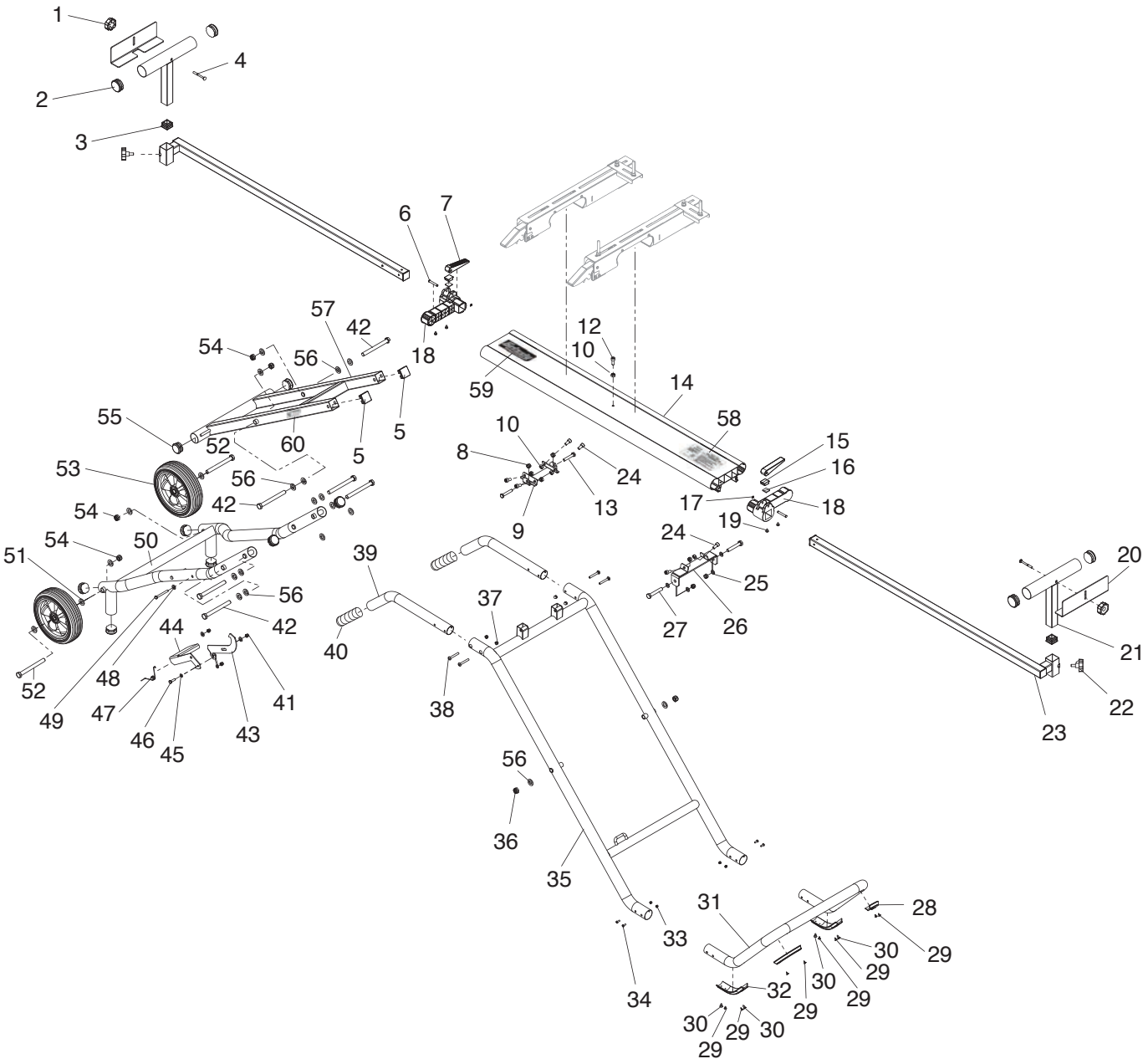
5. When satisfied with clamping adjustment, hold screw in position and tighten lock nut.

6. Repeat procedure on remaining clamping rail.

SECTION 6: PARTS

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

Main



Main Parts List

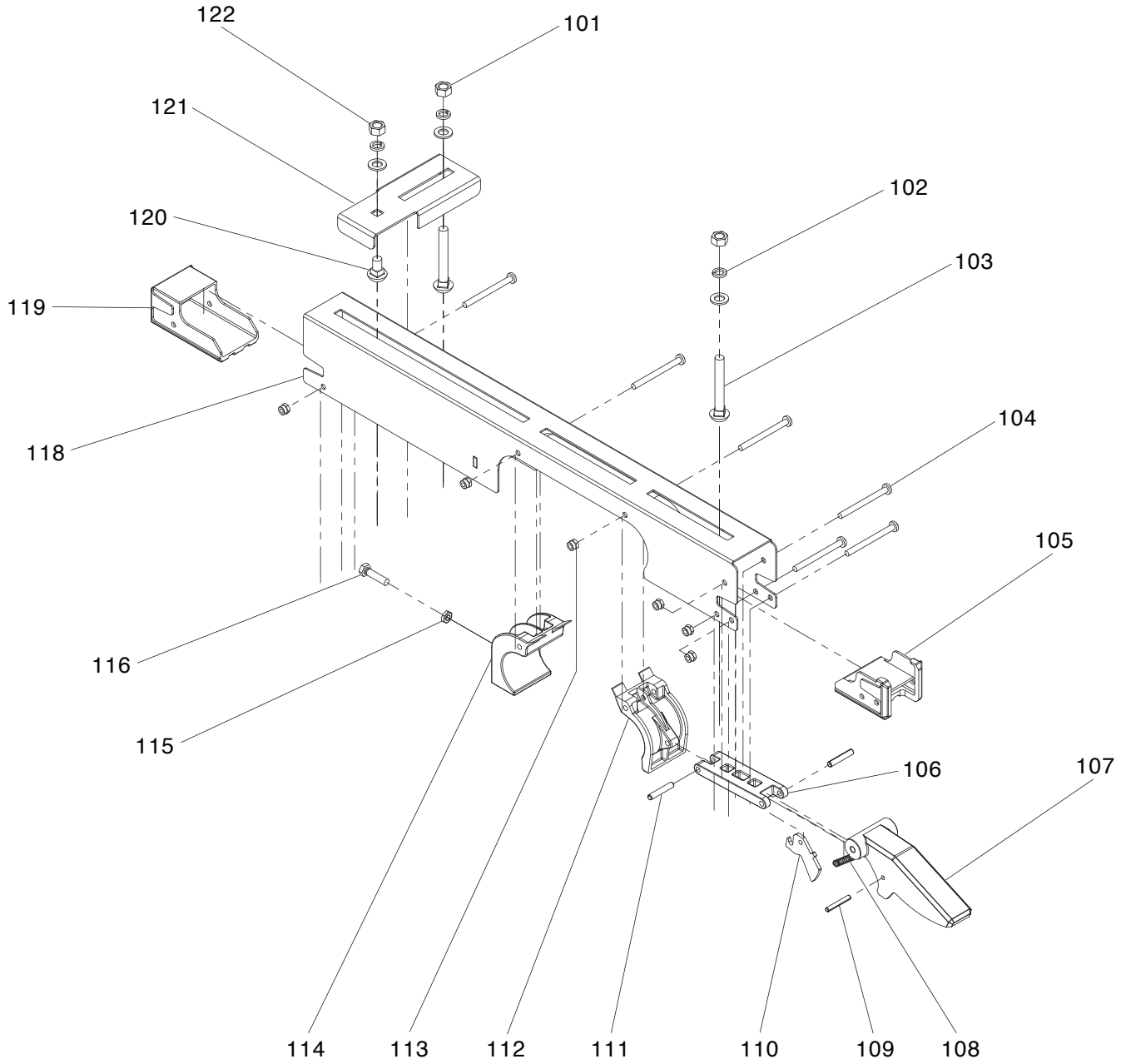
REF	PART #	DESCRIPTION
1	PT33296001	KNOB M6-1, 6-LOBE, D44
2	PT33296002	TUBE CAP 44MM
3	PT33296003	SQUARE TUBE CAP 30 X 30MM
4	PT33296004	CARRIAGE BOLT M6-1 X 55
5	PT33296005	SQUARE TUBE CAP 35 X 35MM
6	PT33296006	CLEVIS PIN
7	PT33296007	ECCENTRIC HANDLE
8	PT33296008	LOCK NUT M8-1.25
9	PT33296009	FRONT LEG SEAT
10	PT33296010	HEX NUT M8-1.25
12	PT33296012	CAP SCREW M8-1.25 X 20
13	PT33296013	HEX BOLT M8-1.25 X 45
14	PT33296014	TABLE
15	PT33296015	BRAKE TONGUE
16	PT33296016	BRAKE WASHER
17	PT33296017	E-CLIP 4MM
18	PT33296018	LOCK SEAT
19	PT33296019	TAP SCREW M4.8 X 9.5
20	PT33296020	ANGLE FLANGE
21	PT33296021	ROLLER BRACKET
22	PT33296022	KNOB BOLT M6-1 X 25, 6-LOBE, D44
23	PT33296023	BEAM
24	PT33296024	CAP SCREW M8-1.25 X 16
25	PT33296025	FLAT WASHER 8MM
26	PT33296026	REAR LEG SEAT
27	PT33296027	HEX BOLT M10-1.5 X 60
28	PT33296028	SKID PAD A
29	PT33296029	FLAT HD TAP SCREW M3.5 X 9.5
30	PT33296030	FLAT HD TAP SCREW M4.8 X 13
31	PT33296031	SKID RAIL

REF	PART #	DESCRIPTION
32	PT33296032	SKID PAD B
33	PT33296033	LOCK NUT M4-.7
34	PT33296034	PHLP HD SCR M4-.7 X 12
35	PT33296035	FORWARD SUPPORT
36	PT33296036	LOCK NUT M12-1.75
37	PT33296037	HEX NUT M6-1
38	PT33296038	PHLP HD SCR M6-1 X 45
39	PT33296039	HANDLE BAR
40	PT33296040	RUBBER HAND GRIP
41	PT33296041	LOCK NUT M6-1
42	PT33296042	HEX BOLT M12-1.75 X 120
43	PT33296043	HOOK
44	PT33296044	FOOT PEDAL
45	PT33296045	FLAT WASHER 6MM
46	PT33296046	HEX BOLT M6-1 X 20
47	PT33296047	TORSION SPRING
48	PT33296048	FLAT WASHER 6MM
49	PT33296049	HEX BOLT M6-1 X 55
50	PT33296050	FOOT BAR
51	PT33296051	FLAT WASHER 12MM
52	PT33296052	AXLE BOLT M12-1.75 X 45, 12 X 88
53	PT33296053	WHEEL
54	PT33296054	LOCK NUT M12-1.75
55	PT33296055	TUBE CAP 38MM
56	PT33296056	FLAT WASHER 12MM
57	PT33296057	SUPPORT FRAME
58	PT33296058	MACHINE ID LABEL
59	PT33296059	GRIZZLY LOGO LABEL
60	PT33296060	PINCH HAZARD LABEL

⚠WARNING

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

Clamping Rail



REF	PART #	DESCRIPTION
101	PT33296101	HEX NUT M8-1.25
102	PT33296102	LOCK WASHER 8MM
103	PT33296103	CARRIAGE BOLT M8-1.25 X 60
104	PT33296104	PHLP HD SCR M5-.8 X 55
105	PT33296105	END CAP (FRONT)
106	PT33296106	PULL ROD
107	PT33296107	CLAMP HANDLE
108	PT33296108	TORSION SPRING
109	PT33296109	ROLL PIN 4 X 28
110	PT33296110	HOOK
111	PT33296111	ROLL PIN 5 X 28

REF	PART #	DESCRIPTION
112	PT33296112	FRONT CLAMP
113	PT33296113	LOCK NUT M5-.8
114	PT33296114	REAR CLAMP
115	PT33296115	HEX NUT M6-1
116	PT33296116	HEX BOLT M6-1 X 45
118	PT33296118	RAIL
119	PT33296119	END CAP (REAR)
120	PT33296120	CARRIAGE BOLT M8-1.25 X 16
121	PT33296121	OFFSET MOUNTING BRACKET
122	PT33296122	FLAT WASHER 8MM

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.

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.

In the event you need to use 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.

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.

To take advantage of this warranty, you must register it at **https://www.grizzly.com/forms/warranty**, or you can scan the QR code below to be automatically directed to our warranty registration page. Enter all applicable information for the product.