MODEL T31634/T31635
10"/12" DOUBLE-BEVEL
COMPOUND SLIDING MITER SAW
OWNER'S MANUAL
(For models manufactured since 8/19)

C US
184892

#CS20597 PRINTED IN CHINA V1.11.19

⚠ WARNING!

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

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

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

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

⚠ WARNING!

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- **Lead from lead-based paints.**
- **Crystalline silica from bricks, cement and other masonry products.**
- **Arsenic and chromium from chemically-treated lumber.**

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: Work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

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INTRODUCTION

Contact Info

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

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

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

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

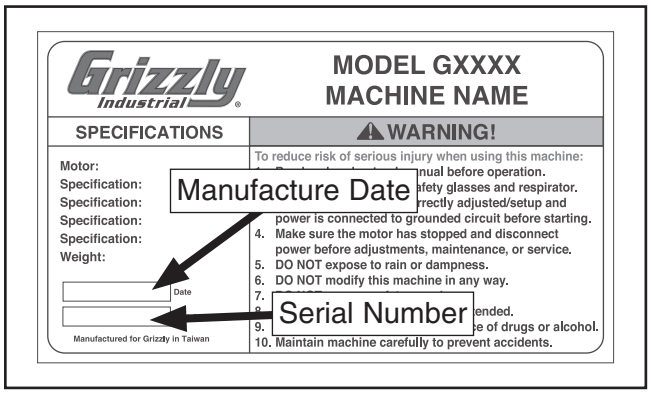
Manual Accuracy

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

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

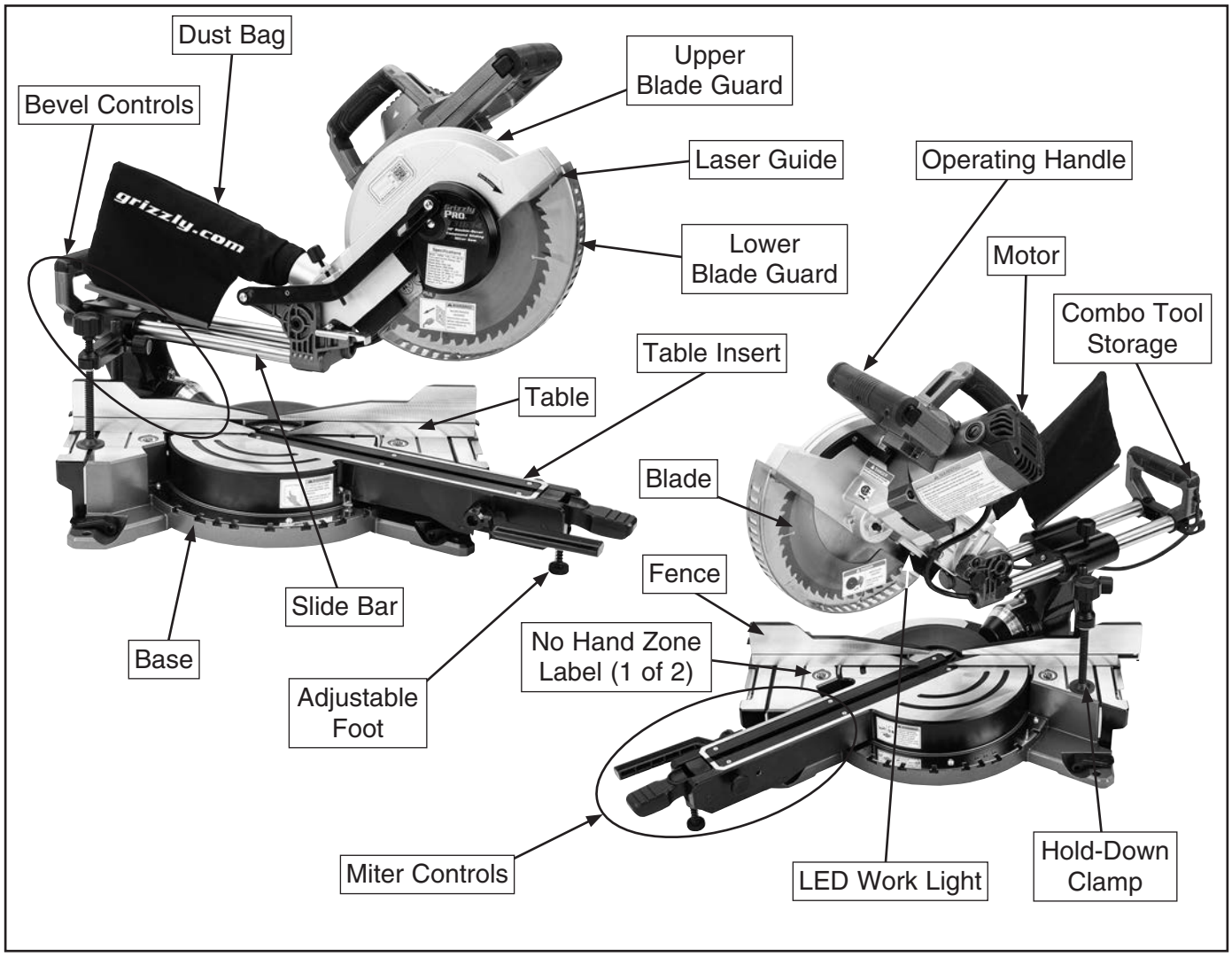
If you find this to be the case, and the difference between the manual and machine leaves you confused or unsure about something, check our website for an updated version. We post current manuals and manual updates for free on our website at **www.grizzly.com**.

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



Identification

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

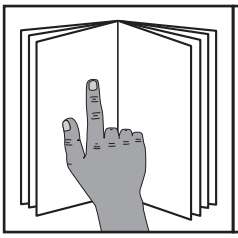


⚠WARNING

For Your Own Safety Read Instruction Manual Before Operating Miter Saw

a) Wear eye protection.
b) Keep hands out of path of saw blade.
c) Do not operate saw without guards in place.
d) Do not perform any operation freehand.
e) Never reach around or in back of saw blade.
f) Turn off tool and wait for saw blade to stop before moving workpiece or changing settings.
g) Disconnect power (or unplug tool as applicable) before changing blade or servicing.
h) Only use saw blade diameter rated for saw.
i) Only use saw blade with RPM rating higher than no-load arbor speed of saw.

Controls & Components



⚠WARNING

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

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

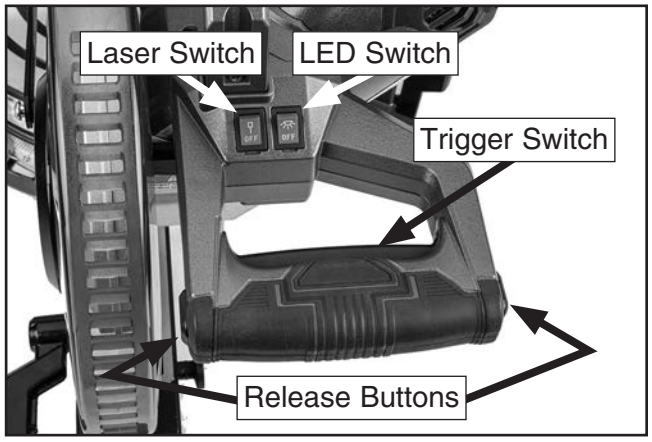


Figure 1. Handle controls.

Trigger Switch: Starts saw.

Release Button: Must be pressed before trigger switch will engage.

Laser ON/OFF Switch: Activates laser sight to project guide for cut on workpiece.

LED Work Lamp ON/OFF Switch: Activates light to illuminate cutting area for better visibility.

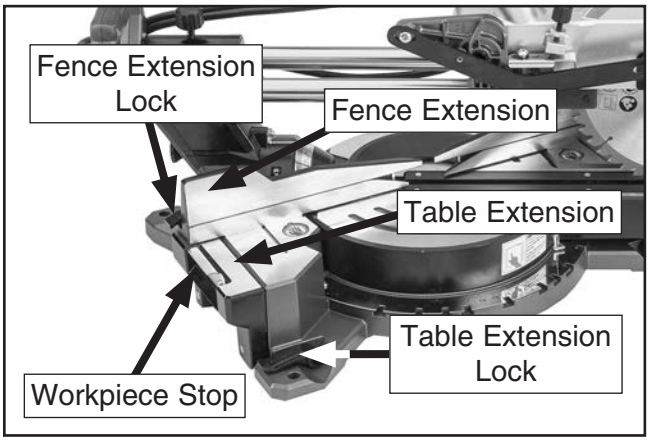


Figure 2. Table and fence components.

Table Extension (1 of 2): Provides support for long workpieces.

Table Extension Lock (1 of 2): Locks table extension at desired length.

Fence Extension (1 of 2): Provides support for long workpieces.

Fence Extension Lock (1 of 2): Locks fence extension at desired length.

Workpiece Stop: Raises to quickly position stock when cutting multiple pieces of equal length.

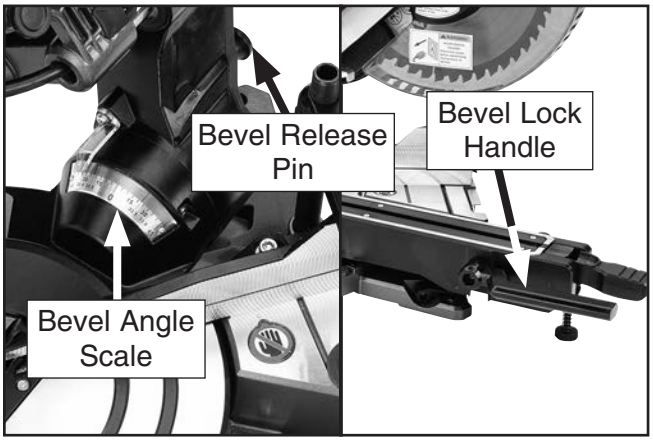


Figure 3. Bevel components.

Bevel Lock Handle: Lifts to unlock tilt position.

Bevel Release Pin: Pulls out to allow bevel angle adjustment.

Bevel Angle Scale: Indicates angle of bevel from 45˚ left - 45˚ right.

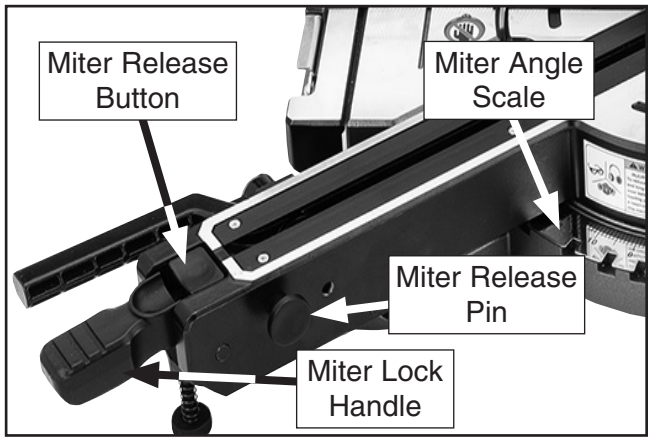


Figure 4. Miter components.

Miter Lock Handle: Lifts to unlock table position.

Miter Release Button: Must be pressed and held while miter lock handle is used to position miter angle.

Miter Release Pin: Pushes in to keep miter release button engaged without being continuously held.

Miter Angle Scale: Indicates angle of bevel from 52˚ left - 60˚ right.

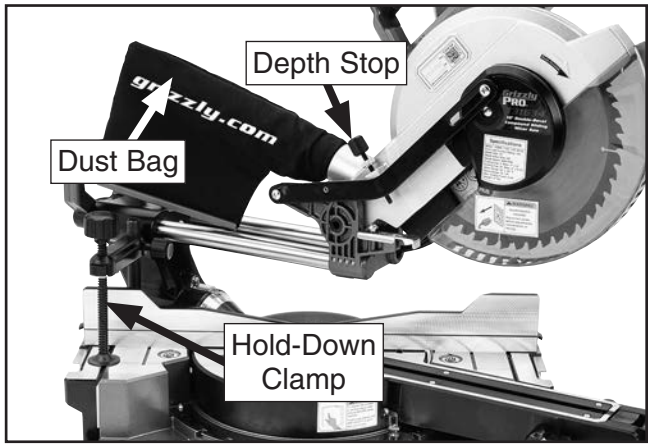


Figure 5. General saw controls.

Hold-Down Clamp: Secures workpiece against table.

Depth Stop: Adjusts to allow for shallow cuts (such as slots or dadoes).

Dust Bag: Collects wood dust as saw operates.

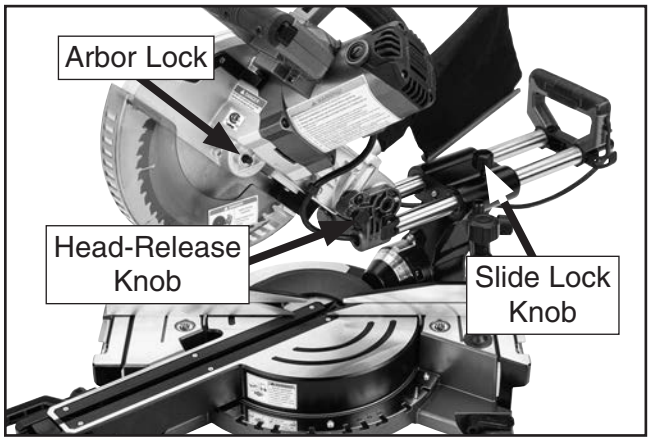


Figure 6. More general saw controls.

Head-Release Knob: Pulls to release head for saw operation and pushes to lock cutting head down for carrying or storage.

Arbor Lock: Pushes in to lock arbor for removal of arbor nut during blade replacement or servicing.

Slide Lock Knob: Tightens to lock saw at desired position on slides.

Glossary Of Terms

The following is a list of common definitions, terms and phrases used throughout this manual as they relate to this miter saw and woodworking in general. Become familiar with these terms for assembling, adjusting or operating this machine. Your safety is **VERY** important to us at Grizzly!

Arbor: A metal shaft extending from the drive mechanism that is the mounting location for the saw blade.

Bevel Cut: A cut made with the blade tilted left or right to an angle between 0˚-45˚ from vertical, to cut a beveled edge onto a workpiece. Refer to **Page 31** for more details.

Blade Guard Assembly: Metal or plastic safety device that mounts over the saw blade. Its function is to prevent the operator from coming into contact with the saw blade.

Chop Cut: Cutting operation in which the workpiece is narrow or tall and, when secured to the table, rests behind the center of the saw blade. The saw blade "plunges" straight down to perform the cut. Refer to **Page 26** for more details.

Compound Cut: A cut made while employing both a miter and bevel cut at the same time. Refer to **Page 32** for more details.

Dado Cut: Cutting operation that does not extend completely through the workpiece (i.e. to cut a flat bottomed groove into the face of the workpiece). Refer to **Page 34** for more details.

Kerf: The resulting cut or gap in the workpiece after the saw blade passes through during a cutting operation.

Miter Cut: A cut made with the cutting arm and saw head rotated to an angle between 0˚-60˚ from the fence to cut a workpiece at an angle. Refer to **Page 30** for more details.

Kickback: Miter saw kickback refers to the cutting head "kicking back" at the user with great force, often making a loud noise. This could cause user to lose control and make contact with the blade or eject workpiece cutoff. Miter saw kickback is usually caused by binding at the blade because the workpiece is improperly supported. It can also be caused by cutting the wrong type of workpiece materials for the saw/blade, such as metal.

Parallel: Being an equal distance apart at every point along two given lines or planes (i.e. the laser guide is parallel to the line of cut).

Perpendicular: Lines or planes that intersect and form right angles (i.e. at 0˚ bevel, the blade is perpendicular to the table surface).

Pull Cut: Incorrect cutting operation that involves pulling the cutting head and blade toward the operator through the workpiece. Pull cutting will likely cause a workpiece to kickback toward the operator.

Push Cut: Cutting operation that involves pulling the cutting head toward the operator and the cutting arm to begin cut at the foremost front of the workpiece, then advancing through the remainder of the cut from front to back. Push cuts are ideal for wider workpieces in which a chop cut will not suffice for the entire width. Refer to **Page 27** for more details.

Straightedge: A tool used to check the flatness, parallelism, or consistency of a surface(s).

Through Cut: A cut in which the blade cuts completely through the workpiece. Refer to **Page 23** for more details.

MACHINE DATA SHEET

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

MODEL T31634
10" DOUBLE-BEVEL COMPOUND SLIDING MITER SAW

Product Dimensions:

Weight	47 lbs.
Width (side-to-side) x Depth (front-to-back) x Height	34-1/2 x 42-1/2 x 24-1/2 in.
Footprint (Length x Width)	20 x 15 in.

Shipping Dimensions:

Type	Cardboard Box
Content	Machine
Weight	54 lbs.
Length x Width x Height	38 x 25 x 15 in.
Must Ship Upright	Yes

Electrical:

Power Requirement	110V, Single-Phase, 60 Hz
Full-Load Current Rating	15A
Minimum Circuit Size	20A
Connection Type	Cord & Plug
Power Cord Included	Yes
Power Cord Length	8-1/2 ft.
Power Cord Gauge	14 AWG
Plug Included	Yes
Included Plug Type	1-15
Switch Type	Trigger Switch

Motor:

Main

Horsepower	1500W
Phase	Single-Phase
Amps	15A
Speed	3800 RPM
Type	Universal
Power Transfer	Direct
Bearings	Shielded & Permanently Sealed

Main Specifications:

Operation Information

Blade Diameter	10 in.
Arbor Size	5/8 in.
Arbor Speed (No Load)	3800 RPM
Bevel Range	Left 45, Right 45 deg.
Bevel Stops	Left 45, 0, Right 45 deg.
Miter Range	Left 52, Right 60 deg.
Miter Stops	0, 15, 22.5, 31.6, 45 Deg. L/R; Right 60 deg.
Maximum Sliding Travel	9-3/8 in.

Cutting Capacities

Cross Cut (0 Deg. Miter/Bevel)	3-5/8 x 12 in.
Miter Cut (45 Deg. Miter)	4 x 8-1/2 in.
Bevel Cut (45 Deg. Bevel Left)	1-9/16 x 12 in.
Bevel Cut (45 Deg. Bevel Right)	1 x 12 in.
Compound Cut (45 Deg. Miter, 45 Deg. Bevel Left)	1-9/16 x 8-1/2 in.
Compound Cut (45 Deg. Miter, 45 Deg. Bevel Right)	1 x 8-1/2 in.

Fence Information

Fence Type	Aluminum
Fence Length	21-1/4 in.
Fence Max Extended Length	34 in.
Fence Width	3/8 in.
Fence Height	2-13/16 in.

Other Related Info

Number of Dust Ports	1
Dust Port Size	1-1/2 in.

Other Specifications:

Country of Origin	China
Warranty	1 Year
Approximate Assembly & Setup Time	15 Minutes
Serial Number Location	ID Label
Sound Rating	97 - 99 dB
ISO 9001 Factory	Yes
Certified by a Nationally Recognized Testing Laboratory (NRTL)	Yes

Features:

LED Worklight
Laser for Guided Cuts
10" x 48T Blade
1-1/2" Dust Port w/Dust Collection Bag
Aluminum Crosscut Fence w/Extensions
10 Indexed Miter Angles
Adjustable Hold-Down Bracket

Accessories:

Hex Wrench w/Cross Point 6mm

MACHINE DATA SHEET

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

MODEL T31635
12" DOUBLE-BEVEL COMPOUND SLIDING MITER SAW

Product Dimensions:

Weight	56 lbs.
Width (side-to-side) x Depth (front-to-back) x Height	37 x 45-1/2 x 26-1/2 in.
Footprint (Length x Width)	23 x 18 in.

Shipping Dimensions:

Type	Cardboard Box
Content	Machine
Weight	62 lbs.
Length x Width x Height	42 x 26 x 18 in.
Must Ship Upright	Yes

Electrical:

Power Requirement	110V, Single-Phase, 60 Hz
Full-Load Current Rating	15A
Minimum Circuit Size	20A
Connection Type	Cord & Plug
Power Cord Included	Yes
Power Cord Length	8-1/2 in.
Power Cord Gauge	14 AWG
Plug Included	Yes
Included Plug Type	1-15
Switch Type	Trigger Switch

Motor:

Main

Horsepower	1500W
Phase	Single-Phase
Amps	15A
Speed	3800 RPM
Type	Universal
Power Transfer	Direct
Bearings	Shielded & Permanently Sealed

Main Specifications:

Operation Information

Blade Diameter	12 in.
Arbor Size	1 in.
Saw Blade Reducer Bushing	1 in. to 5/8 in.
Arbor Speed (No Load)	3800 RPM
Bevel Range	Left 45, Right 45 deg.
Blade Stops	Left 45, 0, Right 45 deg.
Miter Range	Left 52, Right 60 deg.
Miter Stops	0, 15, 22.5, 31.6, 45 Deg. L/R; Right 60 deg.
Maximum Sliding Travel	9-3/8 in.

MACHINE DATA SHEET

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

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Maximum Sliding Travel	9-3/8 in.

SECTION 1: SAFETY

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

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

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

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

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

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

Safety Instructions for Machinery

⚠WARNING

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

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

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

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

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

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

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

⚠WARNING

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Safety for Miter Saws

⚠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. Do not place saw on floor and work over top of it.

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. Dull blades require more effort to perform cuts. 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 saw 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 from workpiece. Hold handle firmly when making non-through cuts and when releasing trigger before saw head is completely in down position. Never pull saw through cut as this can cause saw head to kickback toward operator. Always push toward the fence for sliding cuts.

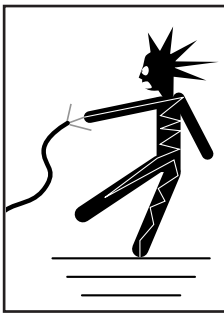
BLADE GUARD. Make sure blade guard is installed, working correctly, and used for all cuts. Promptly repair or replace if damaged. Re-install immediately after servicing saw blade.

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: 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 electrican or qualified service personnel in accordance with all applicable codes and standards.



⚠WARNING

Electrocution, fire, shock, or equipment damage may occur if machine is not properly grounded and connected to power supply.

Full-Load Current Rating

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

Full-Load Current Rating at 110V..... 15 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.

⚠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.

Circuit Requirements

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

Nominal Voltage 110V, 115V, 120V
Cycle ..... 60 Hz
Phase ..... Single-Phase
Power Supply Circuit ..... 20 Amps

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.)

⚠CAUTION

For your own safety and protection of property, consult an electrician if you are unsure about wiring practices or electrical codes in your area.

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.*

Polarized Plug

To reduce the risk of electric shock, this tool has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fully fit in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

When servicing, use only identical replacement parts.

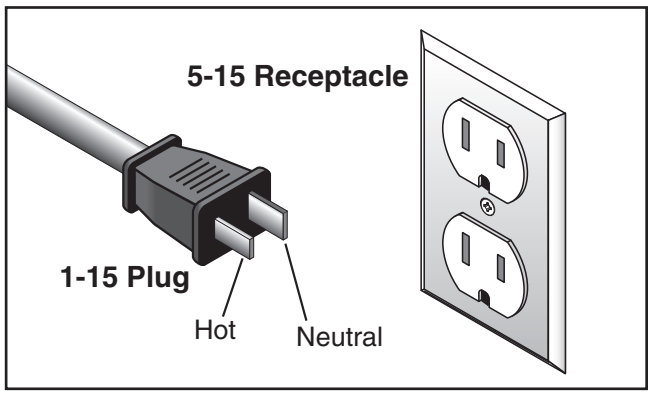


Figure 7. Typical 1-15 plug and receptacle.

Extension Cords

When using extension cords, make sure the cords are rated for outdoor use. Outdoor use cords are marked with a "W-A" or a "W" to signify their rating. Always check to make sure that the extension cords are in good working order and free of any type of damage, such as exposed wires, cuts, creased bends, or missing prongs.

Extension cords cause voltage drop, which may 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. When using extension cords, always choose the shortest cord possible, with the greatest-sized gauge.

Below is a list of minimum gauge sizes needed for running this tool at different lengths:

25 Feet.....16AWG
50 Feet.....14AWG
100 Feet.....12AWG
Over 100 Feet..... Not Recommended

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.*

Needed for Setup

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

Description	Qty
• Safety Glasses	1
• Socket 17mm	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.

Box 1 (Figure 8)	Qty
A. Miter Saw	1
B. Saw Blade 10" x 48T (T31634)	1
Saw Blade 12" x 48T (T31635)	1
C. Hold-Down Clamp	1
D. Dust Bag	1
E. Combo Tool (In Rear Handle)	1
F. Hex Wrenches 2.5, 3mm	1 Ea.

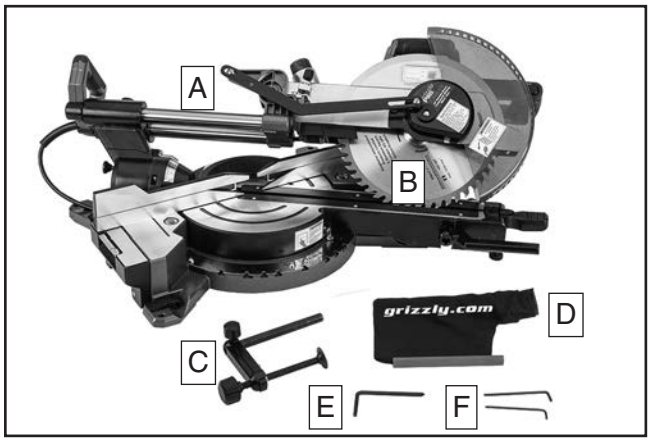


Figure 8. Inventory of T31634/T31635.

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

Workbench Load

Refer to the **Machine Data Sheet** for the weight and footprint specifications of your machine. Some workbenches may require additional reinforcement to support the weight of the machine and workpiece materials.

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. See **Figures 9** and **10** for the minimum amount of space needed for the machine.

While tempting and sometimes easier, using the saw placed on the floor is not recommended due to the associated hazards of working over the top of it and having legs, knees, and feet near the cutting area.

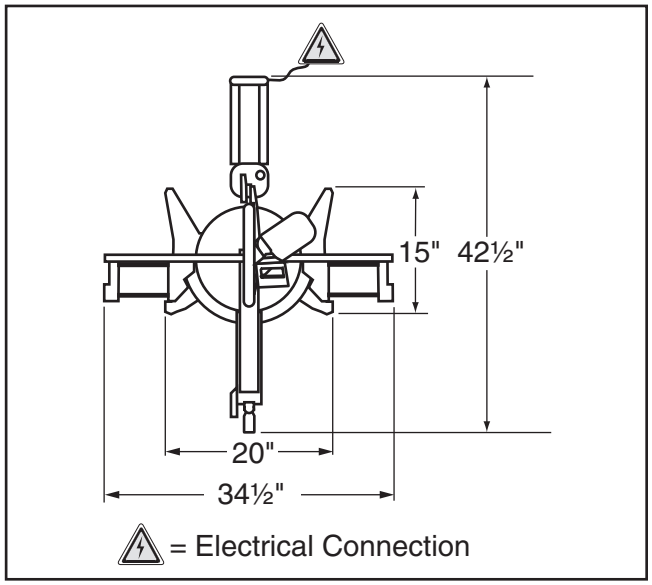


Figure 9. T31634 10" Miter Saw minimum working clearances.

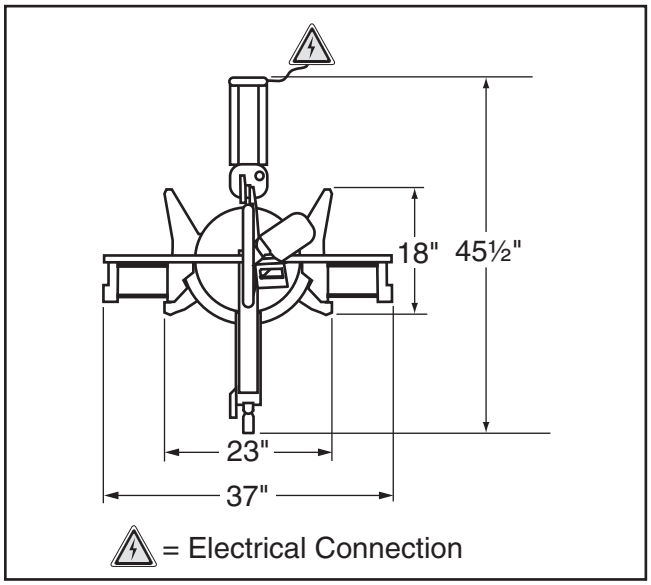
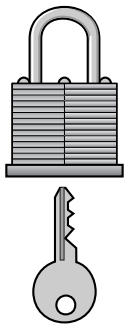


Figure 10. T31635 12" Miter Saw minimum working clearances.



CAUTION

Children and visitors may be seriously injured if unsupervised around this machine. Lock entrances to the shop or disable start switch or power connection to prevent unsupervised use.

Bench Mounting

Number of Mounting Holes 4
Dia. of Mounting Hardware Needed ..... 5/16"

The base of this machine has mounting holes that allow it to be fastened to a workbench or other mounting surface to prevent it from moving during operation and causing accidental injury or damage.

The strongest mounting option is a "Through Mount" (see example below) where holes are drilled all the way through the workbench—and hex bolts, washers, and hex nuts are used to secure the machine in place.

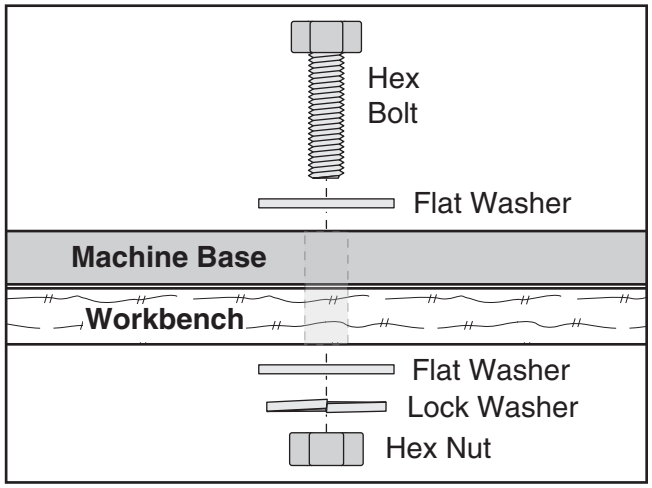


Figure 11. "Through Mount" setup.

Another option is a "direct mount" (see example below) where the machine is secured directly to the workbench with lag screws and washers.

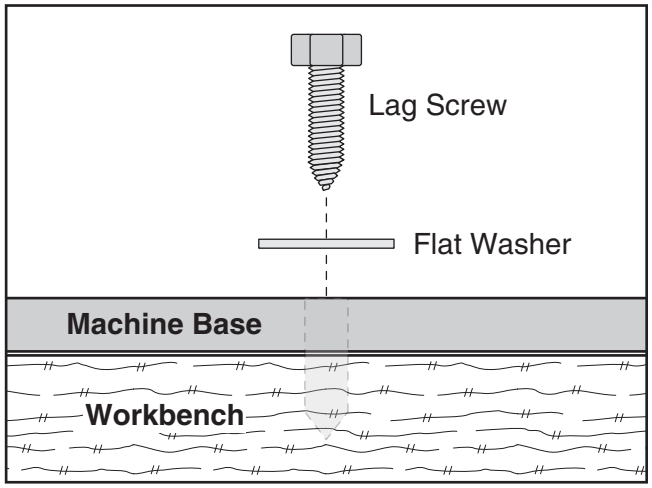


Figure 12. "Direct Mount" setup.

Assembly

Assembly of Model T31634/T31635 consists of adjusting the miter and bevel angles to 0˚, unlocking the cutting head, and attaching a dust collection system.

Adjusting Miter to 0˚

1. Lift miter lock handle to unlock table position (see **Figure 13**).

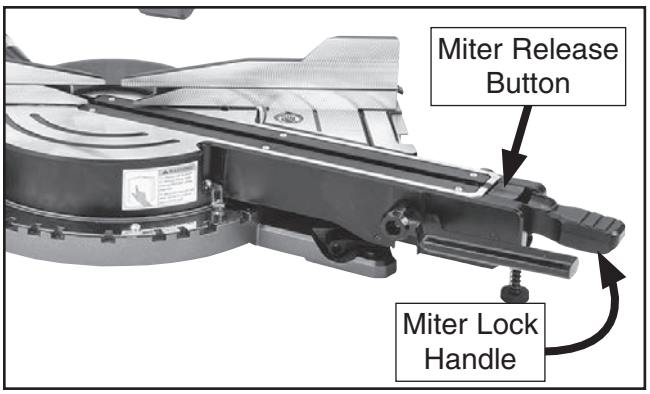


Figure 13. Miter lock handle in unlocked position.

2. Press and hold miter release button (see **Figure 13**) and use miter lock handle to push cutting arm until miter angle indicator displays 0 degrees (see **Figure 14**).

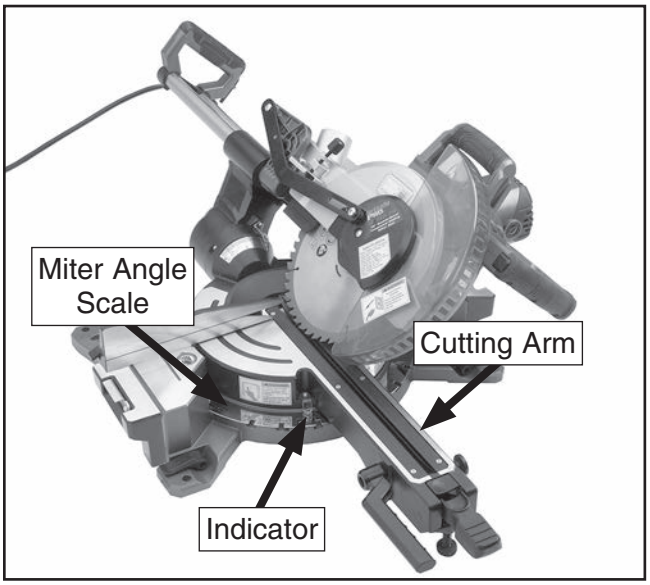


Figure 14. Miter angle adjusted to 0˚.

3. Use miter lock handle to lock table position.

Adjusting Bevel to 0˚

1. Lift bevel lock handle to unlock tilt position (see **Figure 15**).

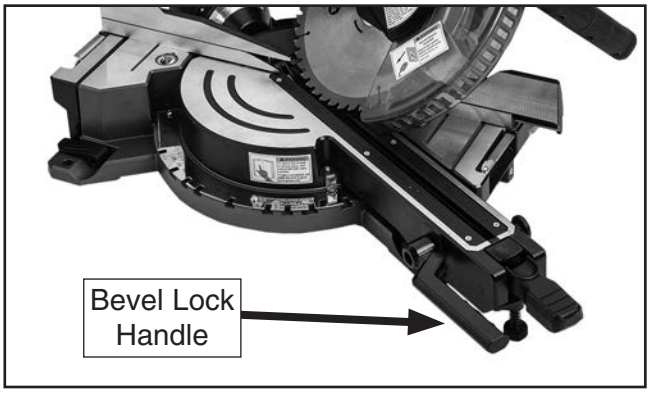


Figure 15. Bevel lock handle location.

2. Pull bevel release pin and rotate cutting head until bevel angle scale displays 0 degrees (see **Figures 16–17**).

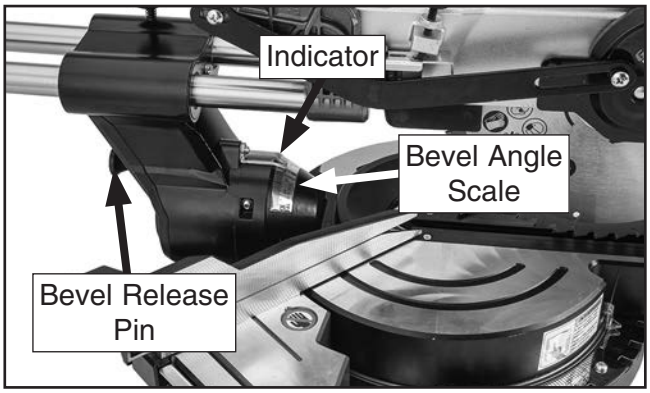


Figure 16. Cutting head angle.

Figure 17. Bevel angle at 0 degrees.

— If bevel lock handle and bevel release pin have been disengaged and cutting head *does* not rotate, bevel tilt lock nut may have been overtightened for shipping. To loosen lock nut, proceed to **Step 3**.

— If bevel lock handle and bevel release pin have been disengaged and cutting head *does* rotate, advance to **Unlocking Cutting Head** on **Page 20**.

3. Remove bevel release pin knob from screw, (3) M5-.8 x 12 Phillips head screws, and rear cover (see **Figure 18**).

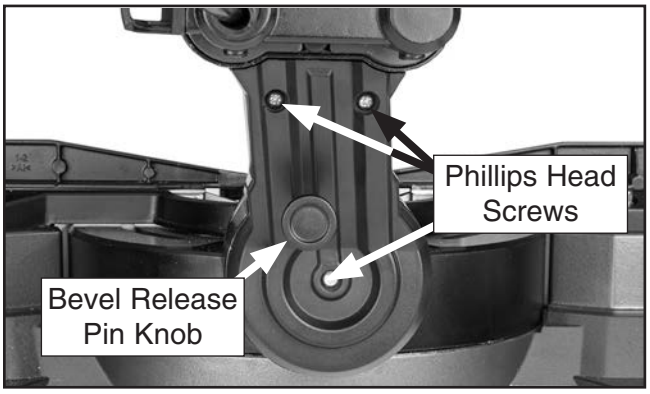


Figure 18. Rear cover hardware.

4. Loosen bevel tilt lock nut in ⅛ turn increments until cutting head can be adjusted as instructed in **Step 2** (see **Figure 19**).

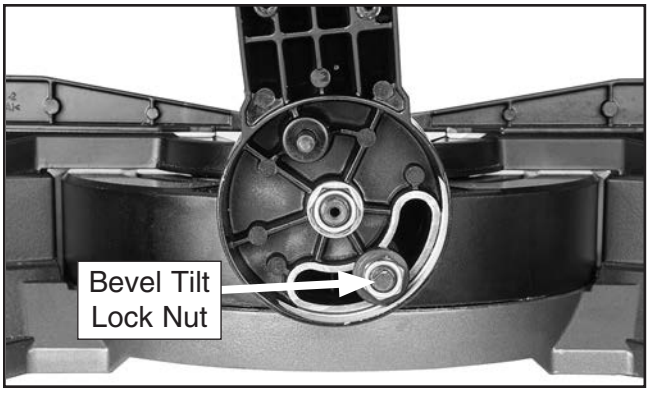


Figure 19. Bevel tilt lock nut location.

5. Re-install rear cover then bevel release pin knob.

6. Use bevel lock handle to lock head position.

Unlocking Cutting Head

1. Pull head-release knob to disengage cutting head from locked position (see **Figure 20**).

Figure 20. Releasing cutting head.

Dust Collection

⚠CAUTION

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

Minimum CFM at Dust Port: 100 CFM
Do not confuse this CFM recommendation with the rating of the dust collector. To determine the CFM at the dust port, you must consider these variables: (1) CFM rating of the dust collector, (2) hose type and length between the dust collector and the machine, (3) number of branches or wyes, and (4) amount of other open lines throughout the system. Explaining how to calculate these variables is beyond the scope of this manual. Consult an expert or purchase a good dust collection "how-to" book.

When mounting your miter saw to a workbench or with other stationary use, a vacuum system with a hose is best for keeping dust clear. If your miter saw is moved from job site to job site, the included dust bag may be used as an acceptable temporary alternative.

To connect dust collection or vacuum system to machine:

1. Fit 1½" hose over dust port, as shown in **Figure 21**, and secure in place with a 1½" hose clamp.

Figure 21. Dust hose attached to dust port.

2. Tug hose to make sure it does not come off.

   Note: *A tight fit is necessary for proper performance.*

To attach included dust bag to saw:

1. Fit 1½" dust bag port over machine port, as shown in **Figure 22**. Check to see that red clip is securely closing bag opening.

Figure 22. Dust bag attached to port.

Test Run

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

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

The Test Run consists of verifying the following:
1) The motor powers up and runs correctly and
2) the trigger switch will not activate unless release button is pressed.

⚠WARNING

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

⚠WARNING

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

To test run machine:

1. Clear all setup tools away from machine.

2. Connect machine to power supply.

3. To turn machine ***ON***, press one of the release buttons on either side of operating handle (see **Figure 23**). While keeping this pressed, squeeze trigger switch. Verify motor starts up and runs smoothly without any unusual problems or noises, and then turn machine ***OFF***.

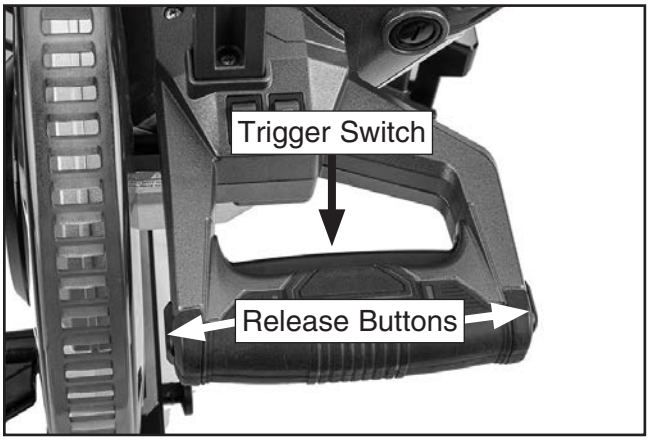


Figure 23. Trigger switch and release buttons.

4. Try to start machine by squeezing trigger switch on operating handle without pressing either release button.

   — If the machine *does not* start, the safety feature of the operating handle is working correctly. Congratulations, The Test Run is complete!

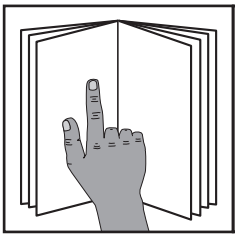
   — If the machine *does* start, immediately release trigger and disconnect power. The safety feature of the operating handle is NOT working properly and must be replaced before further using the machine.

SECTION 4: OPERATIONS

Operation Overview

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

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

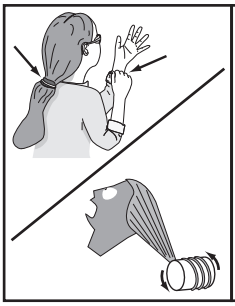


⚠WARNING

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, the operator does the following:

1. Examines workpiece to make sure it is suitable for cutting before measuring and marking desired line of cut.
2. Decides whether to use chop cut or push cut method, depending on workpiece, and adjusts slide lock knob accordingly.
3. Adjusts bevel and miter, if necessary, to correct angle of desired cut.
4. Adjusts table and fence to support length of workpiece, then locks both in place.
5. Uses hold-down clamp or another holding fixture to secure workpiece against table and fence whenever possible.
6. Performs a "dry run" by pulling cutting head down to allow blade to contact workpiece to confirm line of cut and to ensure no obstacles are present.
7. Puts on safety glasses, hearing protection, and respirator.
8. Starts saw and allows blade to reach full speed before contacting workpiece.
9. While keeping hands and fingers out of marked No Hand Zone, makes the cut.

Workpiece Inspection

Some workpieces are not safe to cut or may require modification before they are safe to cut. **Before cutting, inspect all workpieces for the following:**

- ***Material Type:*** This machine is intended for cutting natural and man-made wood products, laminate covered wood products, and some plastics. Cutting drywall or cementitious backer board creates extremely fine dust and may reduce the life of the bearings. This machine is NOT designed to cut metal, glass, stone, tile, etc.; cutting these materials with a miter saw may lead to injury.

- ***Foreign Objects:*** Nails, staples, dirt, rocks and other foreign objects are often embedded in wood. While cutting, these objects can become dislodged and hit the operator, cause kickback, or break the blade, which might then fly apart. Always visually inspect your workpiece for these items. If they can't be removed, DO NOT cut the workpiece.

- ***Large/Loose Knots:*** Loose knots can become dislodged during the cutting operation. Large knots can cause kickback and machine damage. Choose workpieces that do not have large/loose knots or plan ahead to avoid cutting through them.

- ***Wet or "Green" Stock:*** Cutting wood with a moisture content over 20% causes unnecessary wear on the blades, increases the risk of kickback, and yields poor results.

- ***Excessive Warping:*** Workpieces with excessive cupping, bowing, or twisting are dangerous to cut because they are unstable and often unpredictable when being cut. DO NOT use workpieces with these characteristics!

- ***Minor Warping:*** Workpieces with slight cupping can be safely supported if the cupped side is facing the table or the fence. On the contrary, a workpiece supported on the bowed side will rock during a cut and could cause kickback or severe injury.

Through & Non-Through Cuts

Through Cuts

A through cut is a sawing operation in which the workpiece is completely sawn through (see **Figure 24**). Examples of through cuts are rip cuts, cross cuts, miter cuts, and beveled cuts.

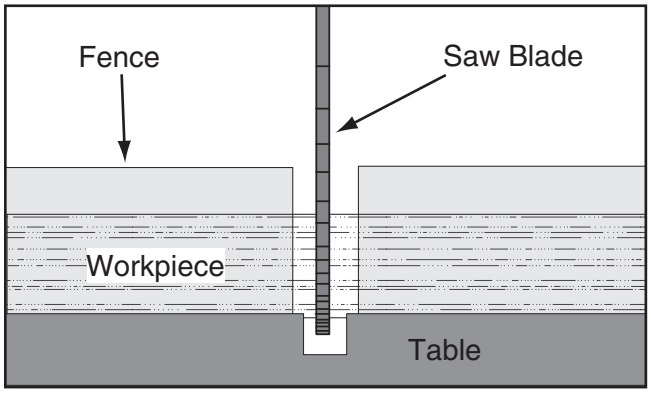


Figure 24. Illustration of through cut.

Non-Through Cuts

A non-through cut is a sawing operation where the blade does not protrude past the bottom face of the wood stock (see **Figure 25**).

Examples of non-through cuts include dadoes and rabbets.

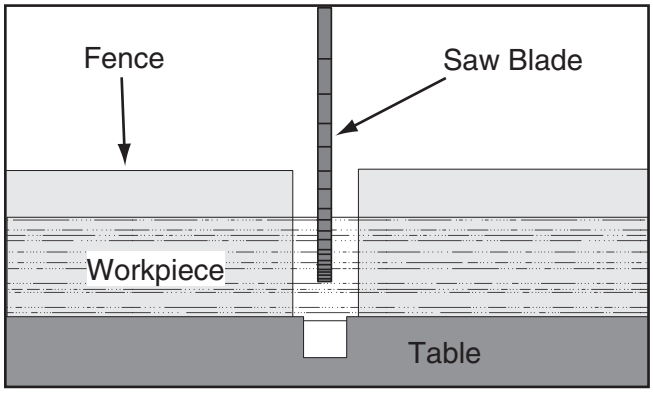


Figure 25. Illustration of non-through cut.

Blade Selection

This section on blade selection is by no means comprehensive. Always follow the saw blade manufacturer's recommendations to ensure safe and efficient operation of your table saw.

Ripping Blade Features:
- Best for cutting with the grain
- 20-40 teeth
- Flat-top ground tooth profile
- Large gullets for large chip removal

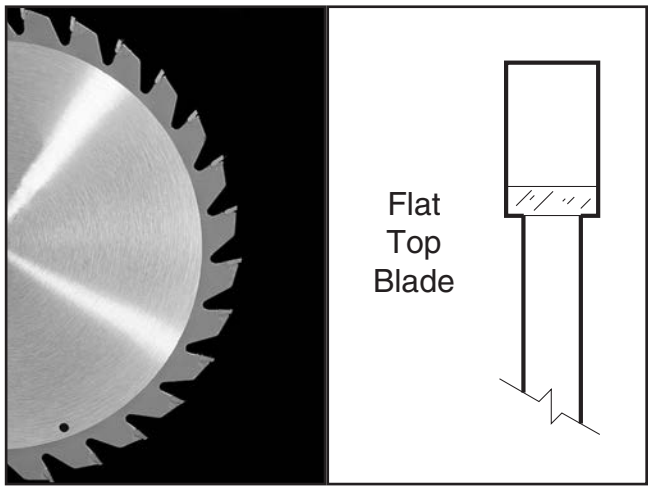


Figure 26. Ripping blade.

Crosscut Blade Features:
- Best for cutting across the grain
- 60-80 teeth
- Alternate top bevel tooth profile
- Small hook angle and a shallow gullet

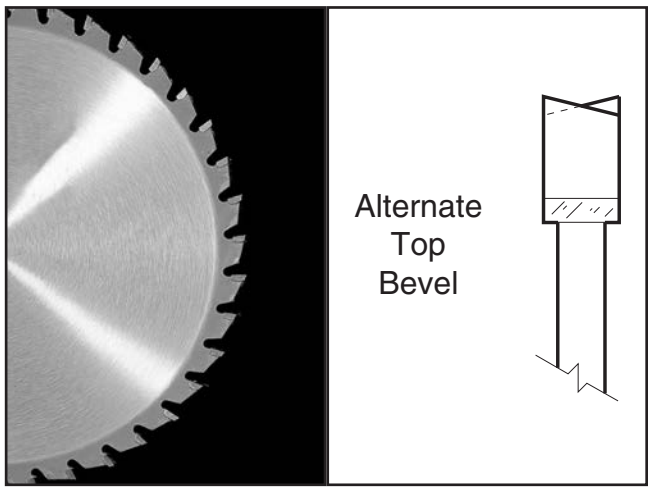


Figure 27. Crosscutting blade.

Combination Blade Features:
- Designed to cut both with and across grain
- 40-50 teeth
- Alternate top bevel and flat, or alternate top bevel and raker tooth profile
- Teeth are arranged in groups
- Gullets are small and shallow (similar to a cross-cut blade), then large and deep (similar to a ripping blade

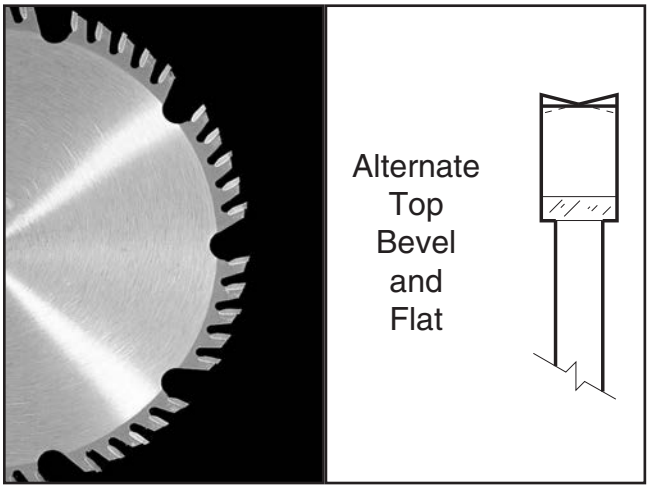


Figure 28. Combination blade.

Laminate Blade Features:
- Best for cutting plywood or veneer
- 40-80 teeth
- Triple chip tooth profile
- Very shallow gullet

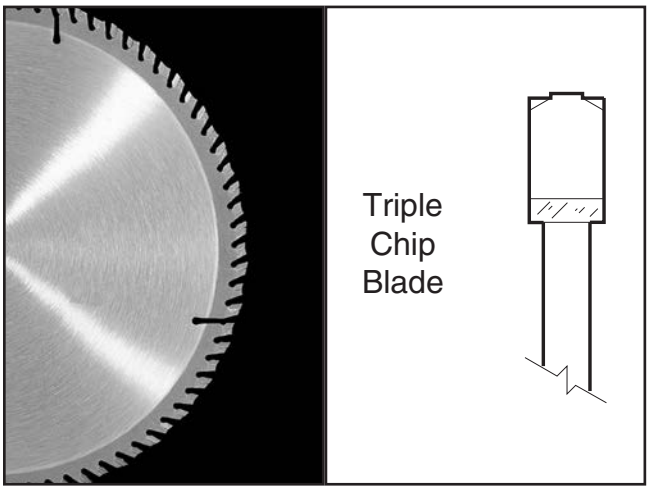
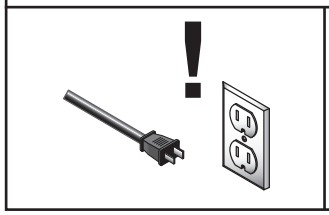


Figure 29. Laminate blade.

Installing Blade

⚠CAUTION

To reduce risk of injury, always disconnect power to saw before changing blades. Since blade is sharp, use extra care and wear gloves when installing it.



Review this section, even if your saw blade came pre-installed.

To remove and install blade:

1. DISCONNECT MACHINE FROM POWER!

2. Unlock cutting head by pulling head release knob (see **Figure 30**).

Figure 30. Releasing cutting head from down position.

3. Pull back lower blade guard, as pictured in **Figure 31**, to reveal cover plate screw.

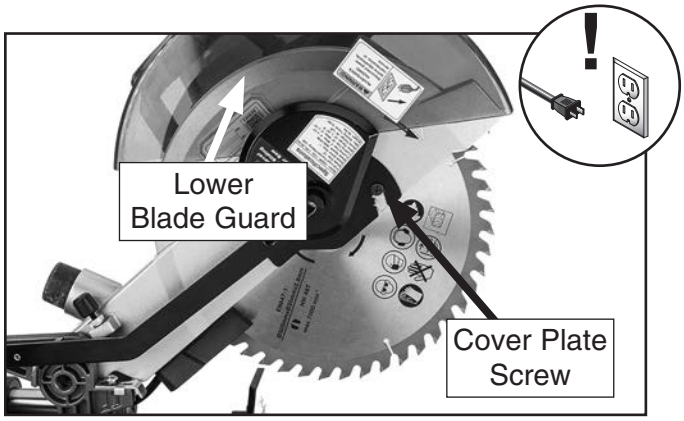


Figure 31. Cover plate screw location.

4. Loosen screw enough to allow cover plate and lower blade guard to move backward to reveal arbor bolt (see **Figure 32**).

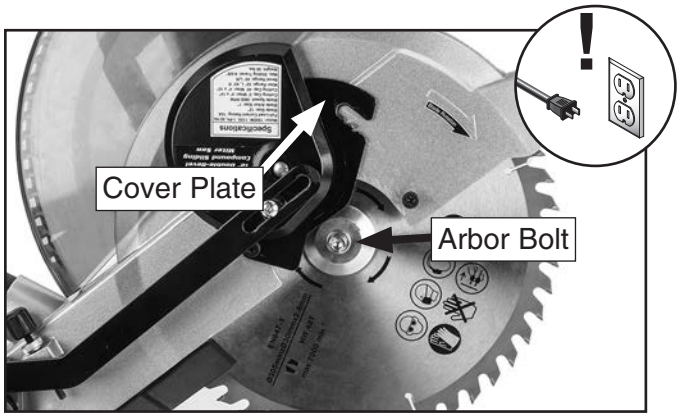


Figure 32. Revealed arbor bolt.

5. Push in arbor lock (see **Figure 33**) and rotate existing blade until it locks in place (or rotate arbor if no blade is installed).

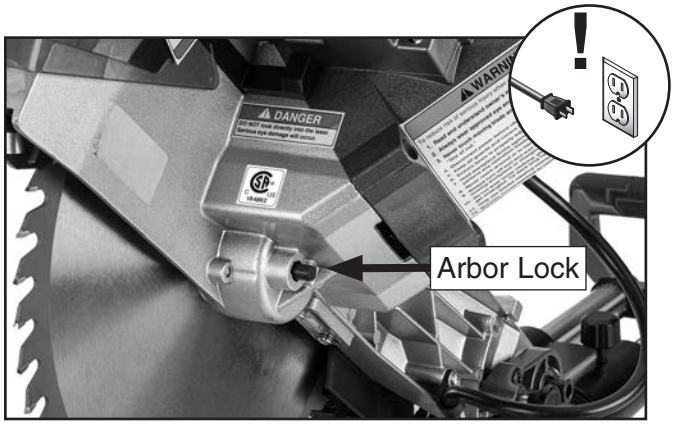


Figure 33. Arbor lock location.

6. While pressing arbor lock, use included combo tool to loosen and remove arbor bolt, flange, and blade. Arbor bolt has left-hand threads; rotate clockwise to loosen.

   Note: *Model T31635 has a 5/8" reducer bushing that must be removed as well.*

7. Install new blade and secure with flange and arbor bolt on arbor, as shown in **Figure 34**. Note that the reducer bushing for the T31635 must be installed before the flange and arbor bolt.

   Note: *Ensure arrows on blade are oriented in same direction as arrow on upper blade guard.*

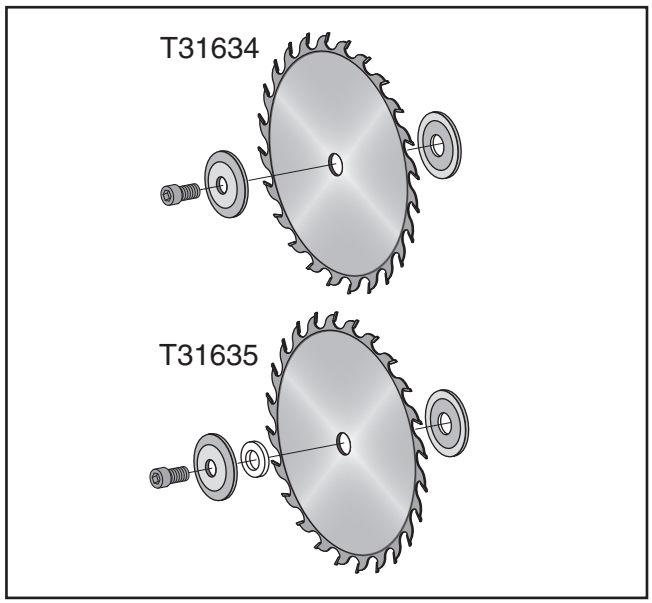


Figure 34. Correct order of installation with teeth facing the correct direction.

8. Press and hold arbor lock and rotate blade until lock engages.

9. Tighten arbor bolt.

10. Replace cover plate and retighten cover plate screw.

11. Position lower blade guard so it is covering blade. Verify that it operates smoothly without binding or sticking.

Performing Cuts

Models T31634 and T31635 are equipped with trigger switches and release buttons to prevent accidental start up.

They also are equipped with slide bars that allow for up to 9⅜" of sliding travel. Therefore, the user has the option of using simple chop cuts for smaller workpieces, or push cuts for larger stock.

Note: *When cutting workpiece longer than the table, support workpiece so it lays flat on the table. If you must cut a slightly warped workpiece, be sure to secure the convex side to the fence.*

Performing a Chop-Cut

1. Measure workpiece and mark with cutting line.

2. Set desired miter (see **Cutting Miters** on **Page 30**) or bevel angle (see **Cutting Bevels** on **Page 31**).

3. Slide cutting head to rear of unit and tighten slide lock knob (see **Figure 35**).

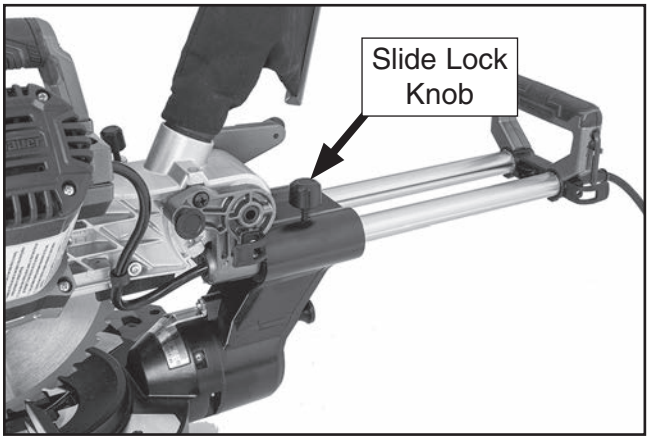


Figure 35. Saw set for plunge cut.

4. While keeping hands out of No Hand Zone, hold workpiece firmly against table and fence. Use hold-down clamp if possible.

5. Perform a "dry run" by pulling cutting head down to confirm where blade will contact workpiece, allowing for kerf thickness of what will actually be removed.

6. Allow cutting head to return to its normal, parked position. Put on personal protective equipment then press release button and pull trigger switch to start saw (see **Figure 36**).

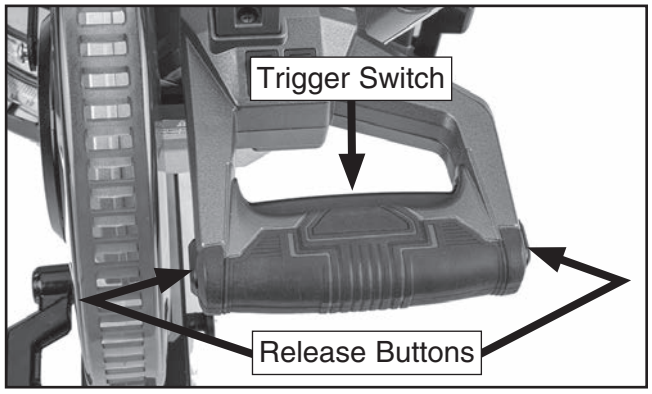


Figure 36. Operating handle controls.

7. Lower blade into workpiece with handle while holding trigger (see **Figure 37**).

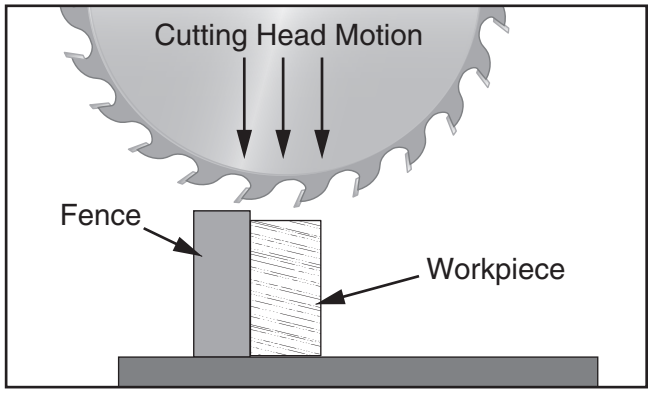


Figure 37. Cutting head during plunge cut.

8. When cut is complete, allow blade to completely come to stop before lifting from workpiece or removing cut off piece.

⚠WARNING

Turn saw *OFF* and allow blade to come to a complete stop before removing cutoff piece. Failure to follow this warning could result in severe lacerations or amputation.

Performing a Push-Cut

1. Measure workpiece and mark with cutting line.

2. Set desired miter or bevel angles (see **Pages 30** and **31**).

3. Loosen slide lock knob (see **Figure 38**) to allow cutting head to slide freely.

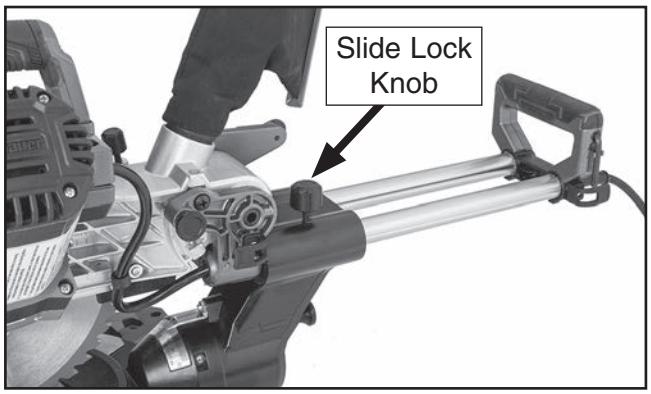


Figure 38. Slide lock knob location.

4. While keeping hands out of No Hand Zone, hold workpiece firmly against table and fence. Use hold-down clamp if possible.

5. Perform a "dry run" by pulling cutting head forward and down to confirm where blade will contact workpiece, allowing for kerf thickness of what will actually be removed. Make sure fence is not in cutting path.

6. Allow cutting head to return to its normal, parked position. Put on personal protective equipment, then press release button and pull trigger to start saw (see **Figure 36**).

7. Pull cutting head all the way forward then down, beginning cut at leading edge of workpiece, slowly pushing back towards fence to complete cut (see **Figure 39**).

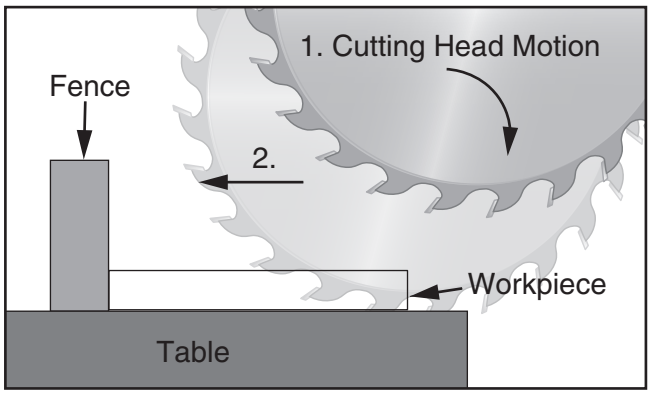


Figure 39. Cutting head during push cut.

8. When cut is complete, allow blade to completely come to stop before lifting from workpiece or removing cut off piece.

Locking Cutting Head

Your miter saw is equipped with an operating handle for cutting head control, and two additional handles to easily transport your saw.

For maximum safety during transport or storage, lock the cutting head down by following the steps below.

Note: *Head release knob is only to be used to lock cutting head for carrying and storage, not for cutting procedures.*

To lock cutting head:

1. DISCONNECT MACHINE FROM POWER!

2. Lower cutting head until blade reaches past table inserts. While holding in this position, push head release knob to lock (see **Figure 40**).

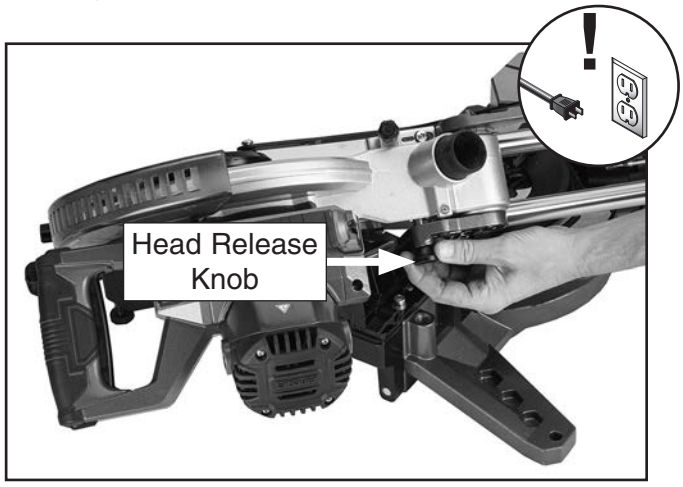


Figure 40. Locking cutting head down.

Using Hold-Down Clamp

Your miter saw is equipped with a hold-down clamp for use with the table on either side of the blade.

To use hold-down clamp:

1. Insert clamp base into desired mounting hole on either side of blade (see **Figure 41**).

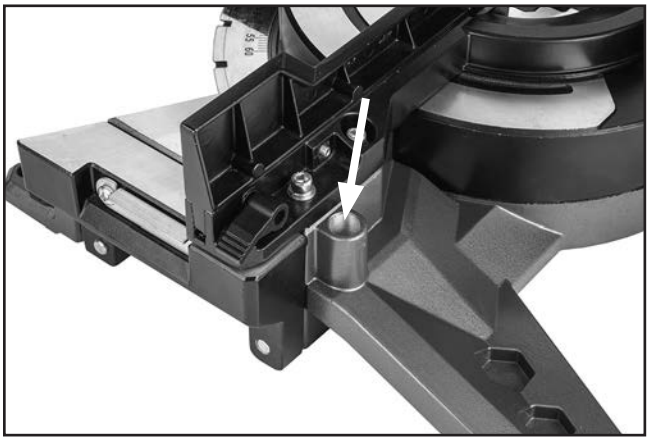


Figure 41. Hold-down clamp mount.

2. Tighten clamp knob (see **Figure 42**) until it secures workpiece to table.

Figure 42. Hold-down clamp knob.

Using Table Extensions

The table extensions on either side of your saw allows for extra support for larger workpieces.

To use table extensions:

1. Lift table extension lock (see **Figure 43**) then pull to extend. Press lock to secure extension in position.

2. Lift stop to secure workpiece so it is not dislodged by pressure of blade (see **Figure 43**).

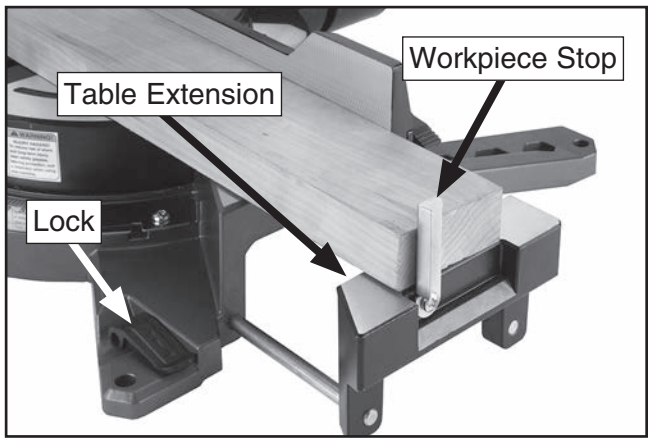


Figure 43. Table extension supporting long workpiece.

Using Fence Extensions

The removable fence extensions can support not only taller workpieces but also longer ones.

However, remember you should always place the side or tallest part of the workpiece down flat against the table for maximum support and not on its end where it could flip during a cut (see **Figure 44**).

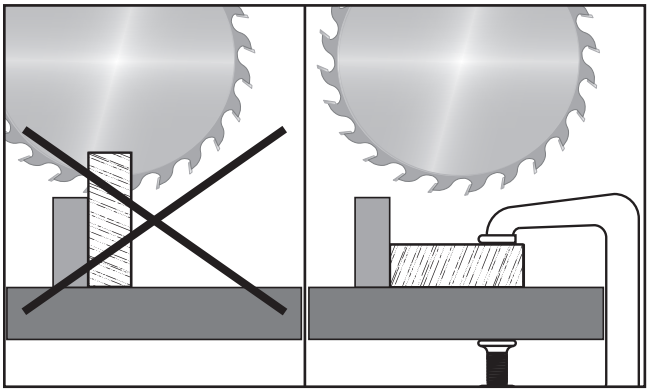


Figure 44. Correct placement of tall workpiece.

To use fence extensions:

1. Lift fence extension lock (see **Figure 43**), then pull to extend. Press lock to secure fence in position.

   Note: *Do not extend fence so far that set screw (pictured in **Figure 45**) does not contact fence extension.*

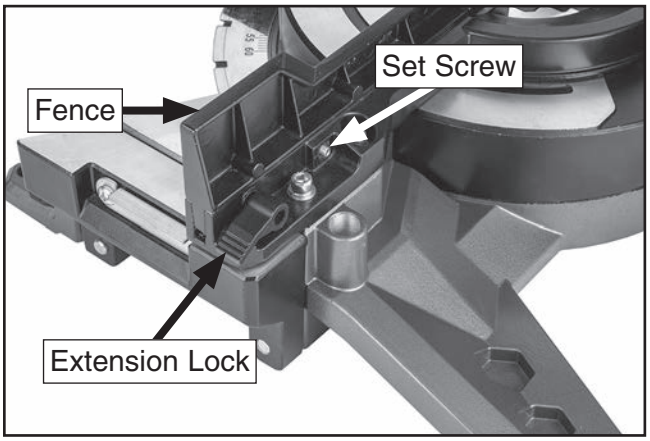


Figure 45. (1 of 2) fence extension set screws.

Cutting Miters

A miter is an angled crosscut. Miter saws are designed for making quick and accurate miter cuts. While a table saw would require the use of a miter gauge, your saw is equipped with an adjustable cutting arm and head that adjust in relation to the fence, allowing for these angled cuts.

Figure 46. Miter saw rotated to 60˚ miter angle.

This is especially useful when cutting joints. For instance, cutting the joints on a four-sided picture frame would require 8 cuts, 2 for each corner. Since a square has a 90˚ corner, two workpieces cut to 45˚ would makeup the corner. See the chart below for some other common polygons and how to calculate the necessary miter angle.

Miter Angles for Jointing Polygons		
# of Sides	Corner Angle	Miter Angle
3	120°	60°
4	90°	45°
5	72°	36°
6	60°	30°

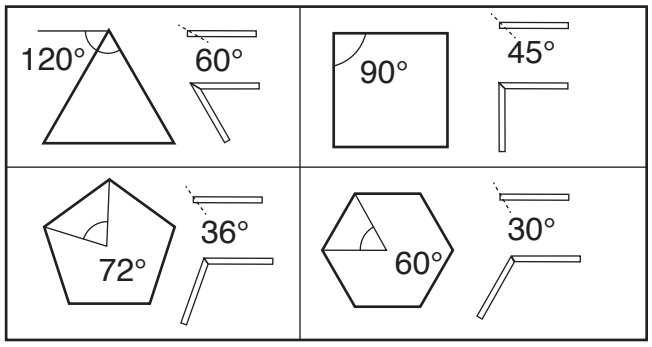


Figure 47. Polygon joints.

Once you know the angle you will need to cut, all that's left is to adjust your saw to that angle.

To perform a miter cut:

1. DISCONNECT MACHINE FROM POWER!

2. Lift miter lock handle to unlock table position (see **Figure 48**).

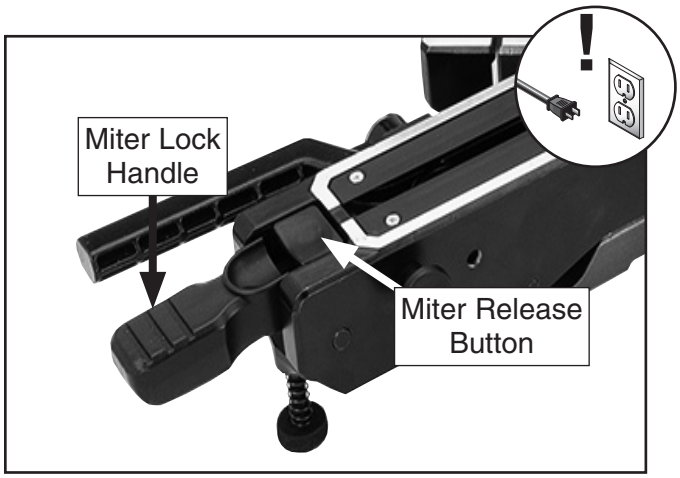


Figure 48. Cutting arm.

3. Press and hold miter release button (see **Figure 48**) and use miter lock handle to rotate cutting arm to desired angle (see **Figure 49**).

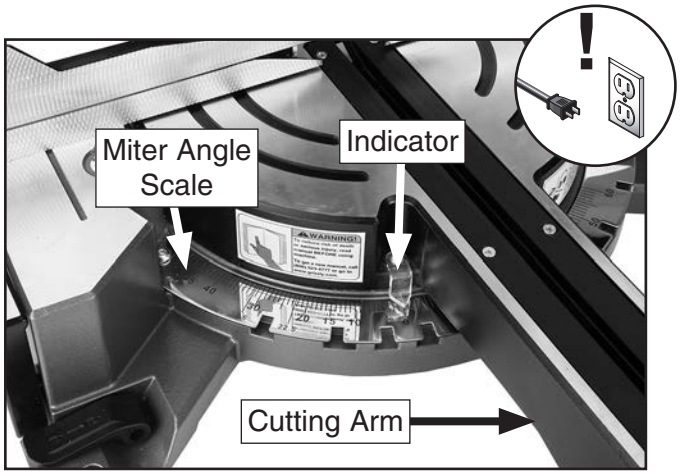


Figure 49. Miter angle scale.

4. Press miter lock handle down to lock table position.

5. Refer to **Performing Cuts** on **Page 26** for proper cutting procedures.

Cutting Bevels

For simple angle cuts, i.e. cuts that only require the angle to be changed on one plane, either the miter or bevel feature can be used. This choice depends on the size of the workpiece and user preference. The same 45˚ joint could be cut by adjusting the miter or the bevel, but one may require the workpiece to be less supported on a thinner edge, so users should bear this in mind when selecting which to use.

Figure 50. Miter saw tilted to 45˚ bevel angle.

The bevel affects the angle of the blade in relation to the table.

To perform a bevel cut:

1. DISCONNECT MACHINE FROM POWER!

2. Lift bevel lock handle to unlock tilt position (see **Figure 51**).

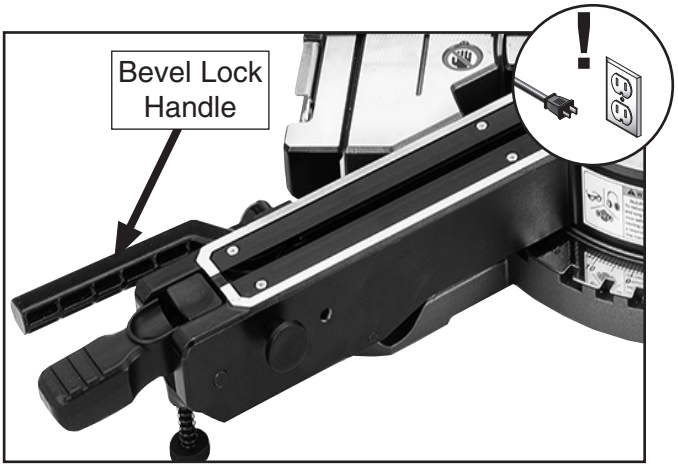


Figure 51. Bevel lock.

3. Pull bevel release pin and use operating handle to push cutting head to desired angle (see **Figure 52**).

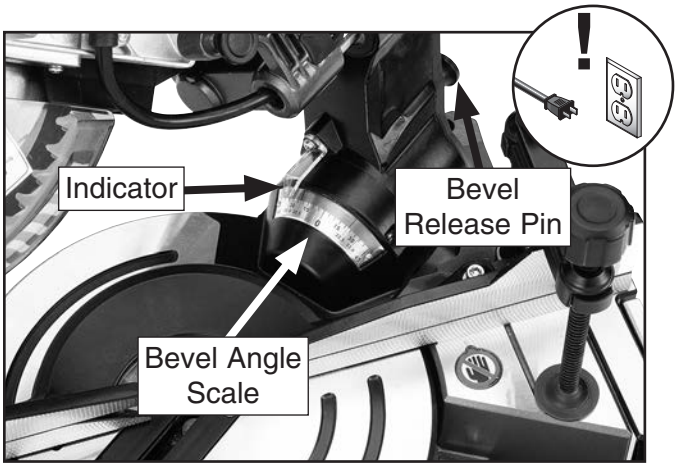


Figure 52. Bevel angle.

4. Use bevel lock handle to lock head position.

5. Refer to **Performing Cuts** on **Page 26** for proper cutting procedures.

Compound Cuts

For more complex angle cuts, i.e. cuts that require the angle to be changed on two planes at once, the miter and bevel functions can be used together in a "compound cut." This is most useful when it comes to crown molding and other complex projects.

Figure 53. Miter saw rotated to 31.6˚ miter angle and tilted to 45˚ bevel angle.

The main thing to remember when it comes to compound cuts is that the miter and bevel adjustments are not independent—one will affect the other.

If cutting crown molding for a 90˚ wall and ceiling (the standard), you would use the settings in the chart below.

Crown Molding Angles for 90° Wall		
Type of Cut	**Bevel Setting**	**Miter Setting**
Inside Corner - Left Side	33.9° Left	31.6° Right
Inside Corner - Rght Side	33.9° Left	31.6° Left
Outside Corner - Left Side	33.9° Left	31.6° Left
Outside Corner - Right Side	33.9° Left	31.6° Right

However, a skilled craftsman also needs to plan for kerf of the blade, and whether the left or right side of the blade will make up the finished piece.

For instance, for both inside corners in the chart, the left side will be the finished piece. The opposite is true for the outside corners.

Similarly, whether the bottom or top of a piece of molding is against the fence will be determined by the type of cut. See the figures on this page and **Page 33** to determine how to position the workpiece for the specific cut.

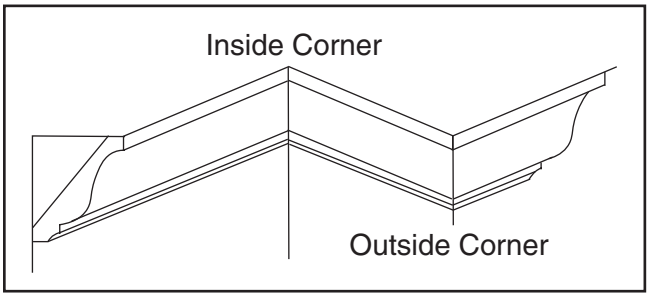


Figure 54. Crown molding on 90˚ angle.

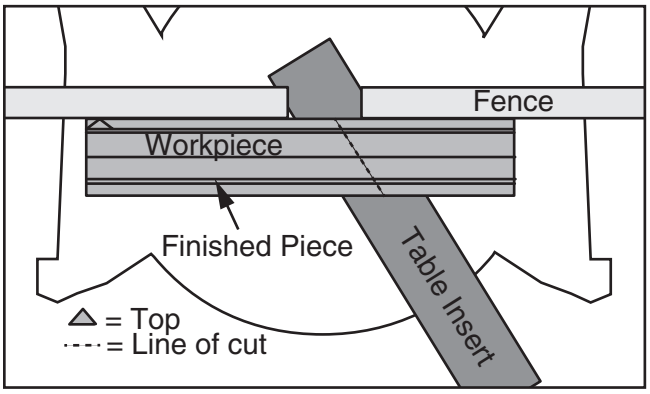


Figure 55. Inside corner, left side.

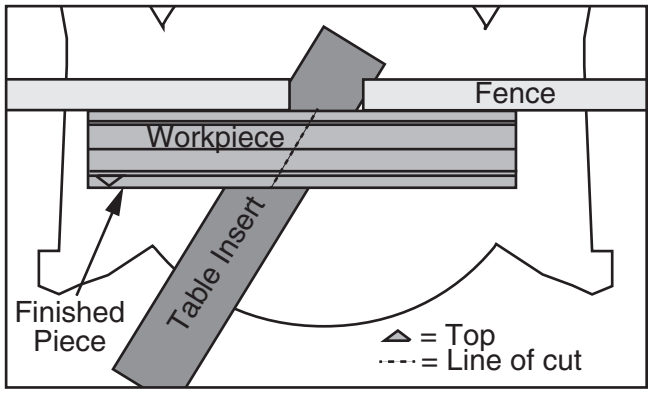


Figure 56. Inside corner, right side.

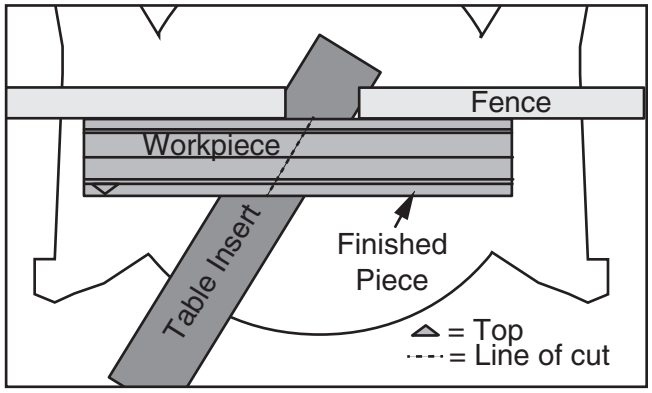


Figure 57. Outside corner, left side.

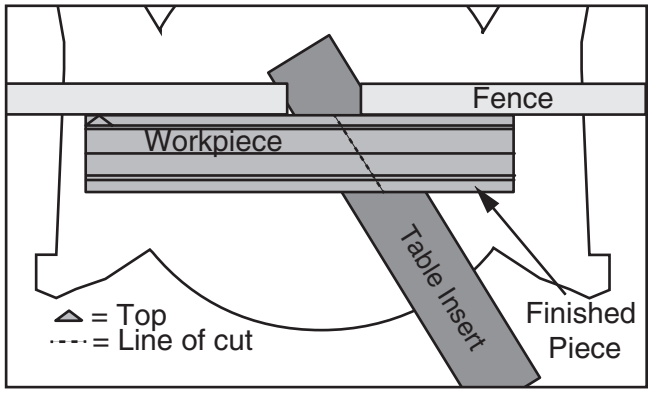


Figure 58. Outside corner, right side.

Adjusting Depth

To perform "non-through" cuts, adjust the depth of cut on the Model T31634/T31635 as described below.

To adjust depth of cut:

1. DISCONNECT MACHINE FROM POWER!
2. Raise cutting head all the way up.
3. Loosen depth stop plate screw (see **Figure 59**) and slide plate forward until stop screw will not pass through plate hole when cutting head is pulled down. Retighten screw.
4. Pull cutting head down until blade teeth reach desired depth of cut. Hold cutting head in this position and turn stop screw until it contacts plate (see **Figure 59**).
5. Tighten knurled nut to secure setting (see **Figure 59**).

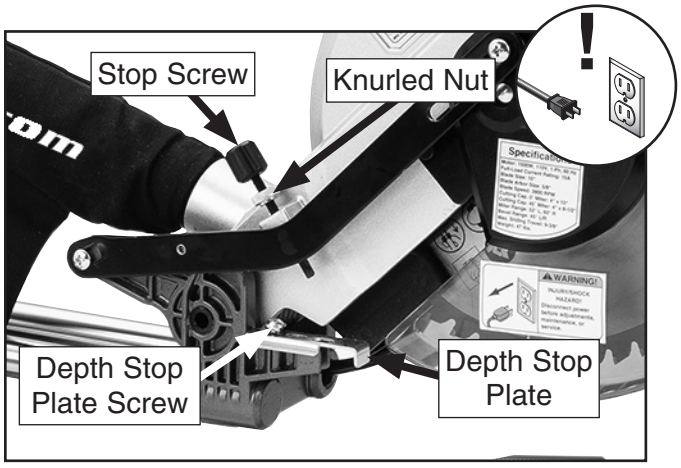


Figure 59. Depth adjustment hardware.

6. Perform test run by pulling cutting head down and through full motion of typical cut to confirm desired depth is set.

Cutting Dadoes

Commonly used in furniture joinery, a dado is a straight channel cut in the face of the workpiece. Dadoes are "non-through" cuts that can be made with a dado blade or a standard saw blade.

The design of a miter saw prevents it from being compatible with dado blade installation, however, it is possible to complete a non-through cut with a standard blade.

Cutting Dadoes with a Standard Blade

A ripping blade (described on **Page 24**) is typically the best blade to use when cutting dadoes with a standard blade because it removes sawdust very efficiently and allows for minimum tearout.

To use a standard saw blade to cut dadoes:

1. DISCONNECT MACHINE FROM POWER!
2. Mark width of dado cut on workpiece.
3. Adjust blade depth as described in **Adjusting Depth** on **Page 33**.
4. Align blade to cut one side of dado, as shown in **Figure 60**.

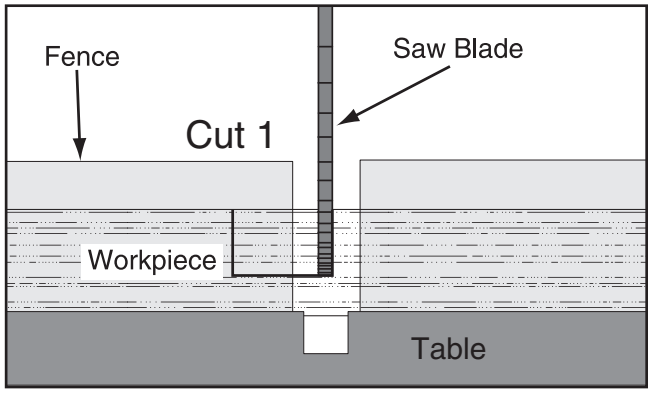


Figure 60. First cut for a single-blade dado.

5. Reconnect saw to power source and turn saw ***ON***. Allow blade to reach full speed, then perform cutting operation.
6. Repeat cutting operation on other side of dado, as shown in **Figure 61**.

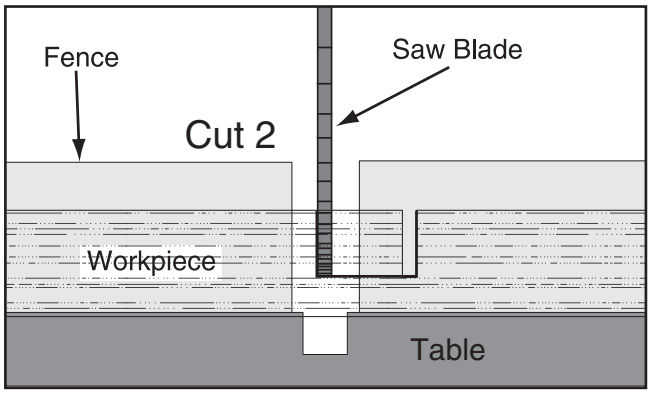


Figure 61. Second cut for a single-blade dado.

7. Make additional cuts (see **Figure 62**) in center of dado to clear out necessary material. Dado is complete when channel is completely cleared out.

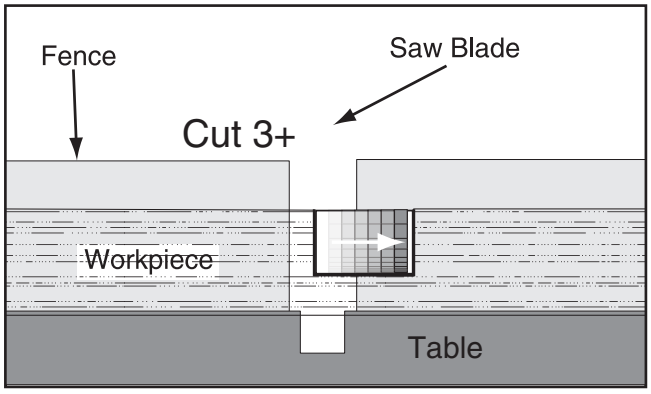


Figure 62. Additional single-blade dado cuts.

8. If bottom of dado is uneven or rough, a chisel can be used to clear out any remaining ridges.

SECTION 5: SHOP-MADE ACCESSORIES

Zero-Clearance Insert

The table insert on the Model T31634/T31635 has an opening to allow for various bevel cuts without contact with the blade. This clearance can be big enough for smaller cutoffs to fall into it.

When making cuts with a 0˚ bevel, using a zero-clearance insert will leave little space for cutoffs to fall into while also minimizing tearout and splinters. This makes them perfect for simple miter cuts.

Material Needed for Zero-Clearance Table Insert

T31634.....Hardwood 3/8" x 2 1/4" x 17 1/16"
T31635.....Hardwood 3/8" x 1 7/8" x 15 1/4"

To make a zero-clearance table insert:

1. Cut 3/8" thick hardwood board to above dimensions.

2. DISCONNECT MACHINE FROM POWER!

3. Remove existing inserts, place them over board from **Step 1**, and mark and drill holes for mounting screws (see **Figure 63**).

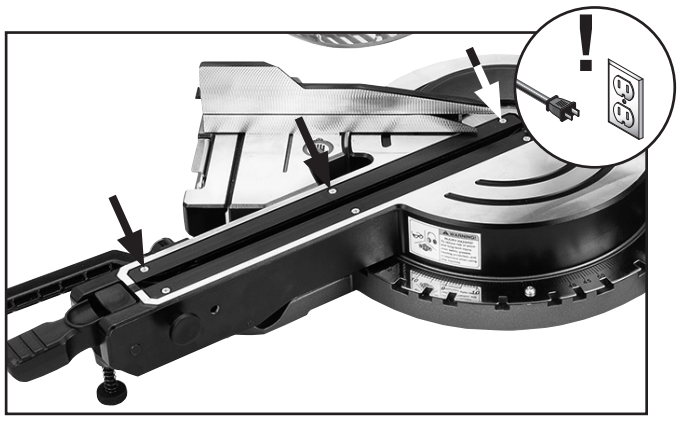


Figure 63. Table insert mounting screws.

4. Secure board in place of original inserts with the same (6) M4-.7 x 8 Phillips head screws (see **Figure 64**).

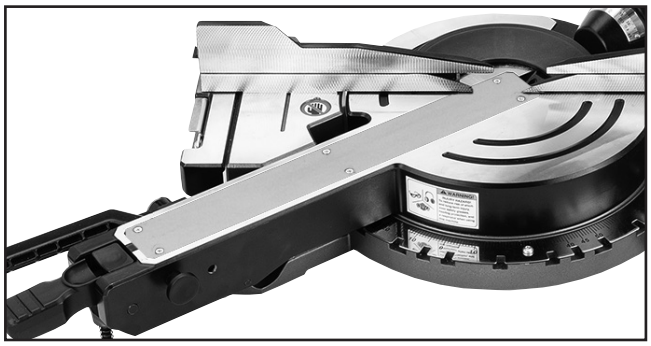


Figure 64. Zero-clearance insert mounted.

5. Place straightedge across insert and check to make sure insert is flush with table at front and back of throat.

   — If insert is flush with table, no adjustments are necessary. Proceed to **Step 7**.

   — If insert is not flush with table, proceed to **Step 6**.

6. Use planer to remove any extra thickness, one pass at a time. Re-install insert after each pass to check flushness. Repeat **Steps 5–6** until insert is perfectly flush with surface of table.

7. Connect saw to power and cut kerf opening with saw using standard push cut (see **Figure 65**).

Figure 65. Finished zero-clearance insert.

Zero-Clearance Fence

The fences on the Model T31634/T31635 have an opening between them to allow for various bevel angle cuts without contact with the blade. However, with smaller workpieces, this doesn't offer much support and can lead to chipping at the edges during the cut. Attaching a zero-clearance fence will prevent this while also offering the utmost support for workpieces.

To make a zero-clearance fence:

1. Cut a 1 x 4 to desired fence length.

Note: *We recommend jointing and planing the board to make sure it is square and flat.*

2. DISCONNECT MACHINE FROM POWER!

3. Clamp board to front of existing fence so it is secure along its length (see **Figure 66**).

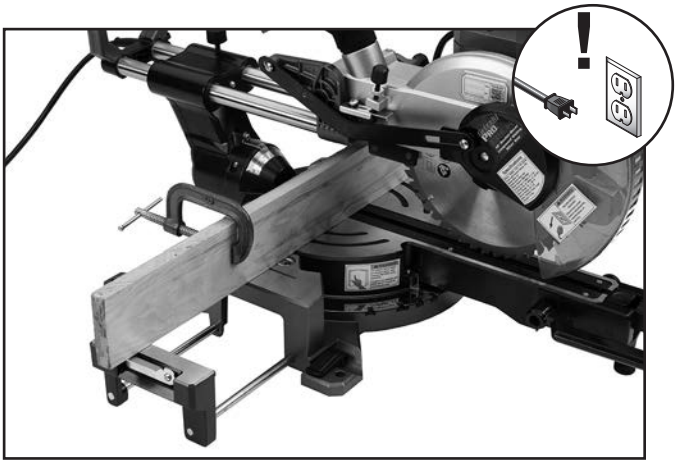


Figure 66. Zero-clearance fence clamped to existing fence.

4. Set miter angle to zero as described on **Page 18**.

5. Pull cutting head down and lock.

6. Lay a framing square flat on miter table pressed against zero-clearance fence and flat part of blade (not teeth).

— If frame is flush against both fence and blade then fence is adjusted correctly and you may proceed to **Step 10**.

— If front or back edge of saw blade is not flush with framing square, proceed to **Step 7**.

7. Loosen fence screws pictured in **Figure 67**.

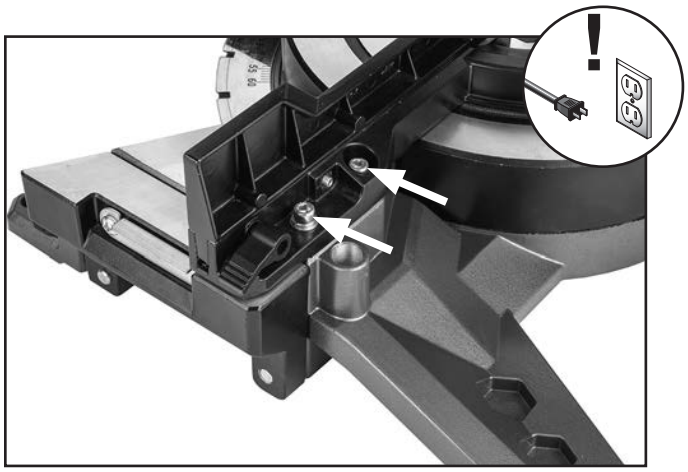


Figure 67. Location of fence screws.

8. Adjust fence until zero-clearance fence is square with blade, then secure setting by tightening screws.

9. Check miter scale indicator to see that it points at zero on scale. If it does not, loosen indicator screw and reposition before tightening to secure.

10. Connect saw to power and cut kerf opening with saw using standard push cut.

SECTION 6: GRIZZLY AFTERMARKET 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.

T29074—DeWalt Compact Miter Saw Stand
This stand has a universal design making it compatible with all brands of miter saws. It folds for easy storage and is easily set up. The stand can support up to 10 feet of material and 500 pounds.

Figure 68. DeWalt Compact Miter Saw Stand.

For the T31634:
10" x 5/8" Arbor Saw Blade
T26699—80 Teeth, Cut-Off Saw Blade

These general purpose blades sport an ATB grind on micrograin carbide tips to ensure consistent performance over a long cutting life.

Figure 69. T26699 Cut-Off Saw Blade.

T31460—7" POLYCAST Rafter Square
The Empire 7" Rafter Square is lightweight, durable and can stand up to everyday use. Its bright blue color makes it easy to locate, and the square features molded-in conversion tables. Made in the USA.

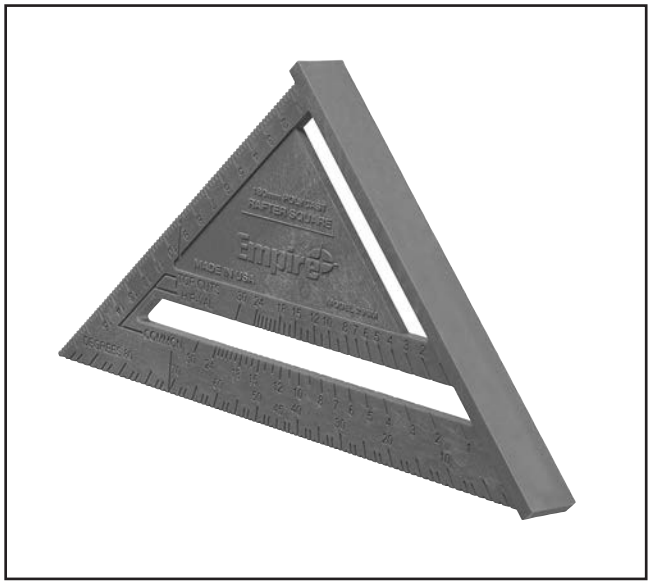


Figure 70. Empire 7" POLYCAST Square.

Basic Lung Protection

H2499—Small Half-Mask Respirator
H3631—Medium Half-Mask Respirator
H3632—Large Half-Mask Respirator
H3635—Cartridge Filter Pair P100
Wood dust has been linked to nasal cancer and severe respiratory illnesses. If you work around dust everyday, a half-mask respirator can be a lifesaver. Also compatible with safety glasses!

Figure 71. Half-mask respirator with disposable cartridge filters.

H9744—Economy Lined Gripping Glove
T20692—Deluxe Soft Goatskin Gloves
Grizzly offers a wide selection of synthetic and leather gloves for all-day comfort in a variety of working conditions.

Figure 72. Variety of work gloves.

Basic Eye Protection

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

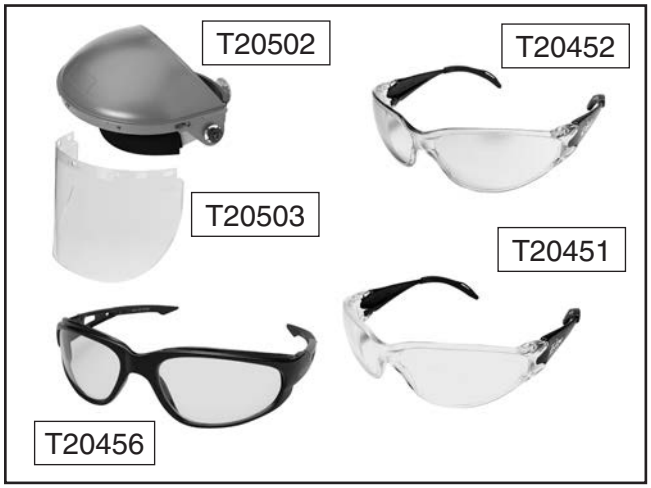


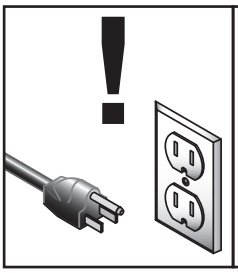
Figure 73. Assortment of basic eye protection.

Basic Hearing Protection

H4978—Deluxe Earmuffs - 27dB
H4979—Twin Cup Hearing Protector - 29dB
T20446—Ear Plugs 200 Pair - 31dB
A must have if you or employees operate for hours at a time.

Figure 74. Hearing protection assortment.

SECTION 7: 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 machine, this maintenance schedule must be strictly followed.

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

- Loose mounting bolts/arbor bolt.
- Damaged saw blade.
- Worn or damaged wires.
- Any other unsafe condition.

Weekly Maintenance
- Clean table surface.
- Wipe dust/debris off slide bars.
- Clean fence and fence extension trackways.
- Remove table inserts to clean/vacuum dust buildup from inside table insert channel. Re-install before operating.

Monthly Check
- Vacuum or blow out motor air vents.

Cleaning & Protecting

Cleaning the Model T31634/T31635 is relatively easy. Vacuum excess wood chips and sawdust, and wipe off the remaining dust with a dry cloth. If any resin has built up, use a resin-dissolving cleaner to remove it.

Lubrication

The bearings on your miter saw are shielded and permanently lubricated, so they require no further lubrication.

The sliding parts on the saw function best through dry operation as grease and other lubricants attract dust and grit that gum up their movement. The lubrication applied at the factory should suffice for the life of your saw.

However, in the event that the movable parts *do* become difficult to operate, a light machine oil may be used on the following parts after thoroughly cleaning the components:

- Slide bars
- Table extension rods
- Miter table path
- Bevel axis screw
- Fence extension rails

Slide Bars: Clean and lubricate slide bars (see **Figure 75**) as needed, pulling cutting head back and forth to distribute grease.

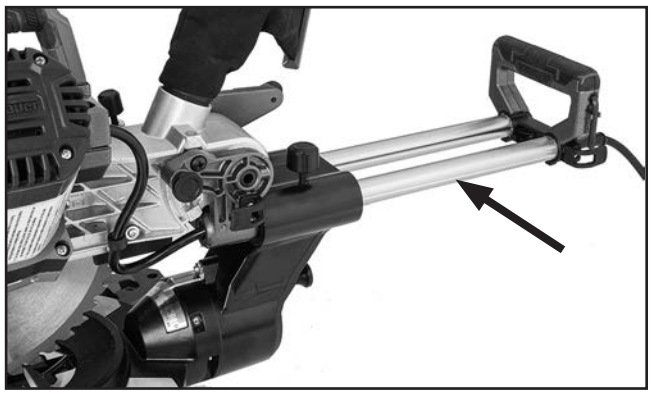


Figure 75. Slide bars.

Table Extension Rods: Clean and lubricate rods (see **Figure 76**) as needed.

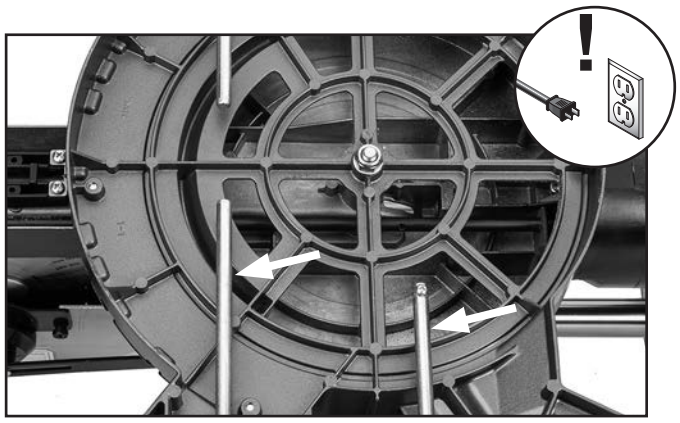


Figure 76. Table extension rods.

Miter Table Path: Clean and apply a drop or two of machine oil between table and table seat (see **Figure 77**) as needed. Adjust miter to various angles to distribute evenly.

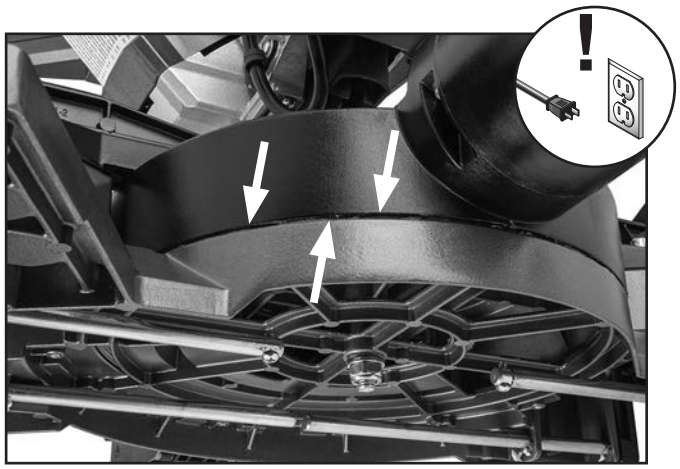


Figure 77. Miter table path.

Bevel Axis Screw: Clean and lubricate screw (see **Figure 78**) as needed. Adjust bevel to various angles to distribute.

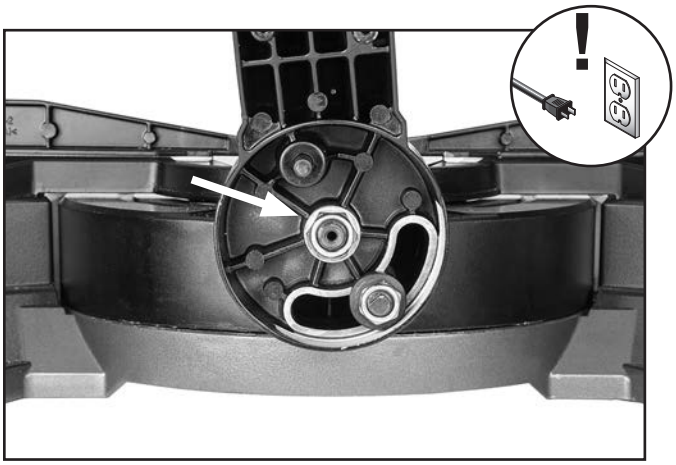


Figure 78. Bevel axis lock nut and screw.

Fence Extension Rails: Clean and lubricate rails (see **Figure 79**) as needed. Slide in and out to distribute.

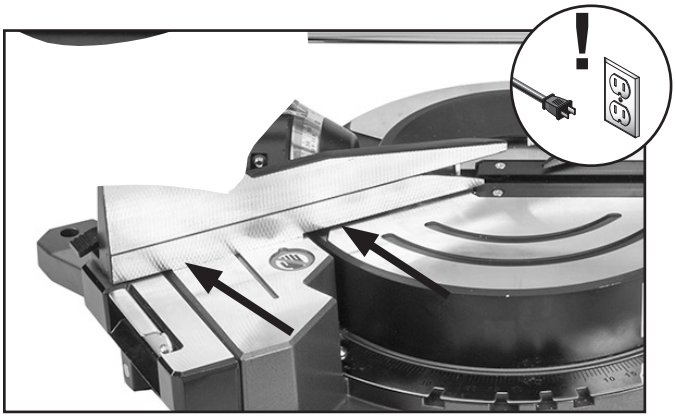
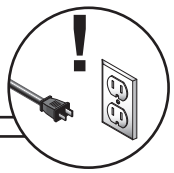


Figure 79. Fence rails.

SECTION 8: SERVICE

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

Troubleshooting



Motor & Electrical

Symptom	Possible Cause	Possible Solution
Machine does not start, or power supply breaker immediately trips after startup.	1. Incorrect power supply voltage or circuit size. 2. Power supply circuit breaker tripped or fuse blown. 3. Wiring damaged or disconnected. 4. Motor brushes at fault. 5. Trigger ON/OFF switch at fault. 6. Circuit board at fault. 7. Motor at fault.	1. Ensure correct power supply voltage and circuit size (**Page 14**). 2. Ensure circuit is sized correctly and free of shorts. Reset circuit breaker or replace fuse. 3. Replace damaged wires. Ensure wires are properly connected (**Page 47**). 4. Remove/replace brushes (**Page 46**). 5. Replace switch. 6. Replace circuit board. 7. Test/repair/replace.
Machine stalls or is underpowered.	1. Workpiece material not suitable for machine. 2. Dull blade. 3. Excessive cutting speed/pressure. 4. Blade installed backwards. 5. Improper blade for cut type. 6. Workpiece binding/pinching against blade. 7. Motor brushes at fault. 8. Motor at fault.	1. Only cut wood/ensure moisture is below 20%. 2. Use a sharp blade. 3. Reduce cutting speed/pressure against workpiece. 4. Install blade in correct direction (**Page 25**). 5. Select proper blade for type of cut (**Page 24**). 6. Ensure workpiece is properly supported or not excessively warped. 7. Remove/replace brushes (**Page 46**). 8. Test/repair/replace.
Machine has vibration or noisy operation.	1. Motor or component loose. 2. Saw incorrectly mounted to workbench. 3. Blade damaged. 4. Motor fan rubbing on fan cover. 5. Motor bearings at fault.	1. Tighten loose bolts/nuts. 2. Adjust/shim feet or tighten mounting hardware. 3. Replace damaged blade. 4. Fix/replace fan cover; replace loose/damaged fan. 5. Replace motor.
Laser or LED does not work.	1. Lens covered with dust. 2. Wires damaged or disconnected. 3. ON/OFF switch at fault. 4. Laser or LED damaged/at fault. 5. Circuit board at fault.	1. Clean lens. 2. Replace damaged wires. Ensure wires are properly connected (**Page 47**). 3. Replace switch. 4. Replace laser or LED. 5. Replace circuit board.
Blade coasts after trigger is released.	1. Electric blade brake within motor at fault.	1. Replace motor.

Cutting Operations

Symptom	Possible Cause	Possible Solution
Workpiece moves away from blade during cut.	1. Workpiece is not properly supported or secure against fence/table. 2. Workpiece stop is not secure/tight.	1. Ensure workpiece is properly supported on both ends. Use clamp to secure workpiece against table and fence. 2. Tighten workpiece stop screws.
Workpiece binds or burns when performing cut.	1. Blade warped/damaged/dull. 2. Too many teeth on blade for cutting type. 3. Workpiece warped or not properly supported. 4. Excessive feed rate. 5. Built-up pitch on blade. 6. Blade installed backwards.	1. Replace blade (**Page 25**). 2. Change blade to one with fewer teeth. 3. Use a different workpiece. Ensure workpiece is properly supported on both sides. 4. Apply steady, slow pressure to cutting head to perform cut. 5. Remove and clean blade. 6. Correctly install blade (**Page 25**).
Excessive tearout on workpiece during cut.	1. Too few teeth on blade for cutting type. 2. Excessive feed rate. 3. Using incorrect cutting practices. 4. A small amount of tearout is normal without using zero-clearance insert of fence.	1. Change blade to one with more teeth. 2. Apply steady, slow pressure to cutting head to perform cut. 3. Use correct cutting practices (**Page 26**). 4. Install a zero-clearance fence or table insert (**Page 35**) to completely eliminate tearout.
Saw jerks.	1. Blade warped/damaged/dull. 2. Workpiece is not secure against fence/table or is not properly supported. 3. Workpiece is round.	1. Replace blade (see **Page 25**). 2. Use clamp to secure workpiece against table and fence. Provide support for entire length of workpiece. 3. Properly secure workpiece against table and fence.
Fence extensions do not move smoothly.	1. Fence set screws not adjusted correctly. 2. Fence rails sticky or dirty.	1. Adjust fence set screws (**Page 43**). 2. Clean and lubricate/wax rails.
Too much sawdust blown back toward operator.	1. Blade guard removed. 2. Dust bag is full. 3. Dust collection system clogged or lacks required vacuum suction.	1. DO NOT operate without blade guard. Re-install blade guard for maximum safety and dust control. 2. Empty and clean dust bag. 3. Remove clog; revise ducting layout for improved suction; use a different dust collector or vacuum.
Will not make accurate square, miter, or bevel cuts.	1. Blade not square to table. 2. Blade not square to fence. 3. Workpiece warped. 4. Workpiece moves during cut.	1. Square blade to table (**Page 44**). 2. Adjust blade to be square to fence (**Page 43**). 3. Use different workpiece. 4. Tighten workpiece stop screws.
Blade does not stop at 45˚ bevel stop.	1. 45˚ stop out of adjustment.	1. Adjust 45˚ stop (**Page 45**).

Squaring Blade To Fence (Miter)

Your miter saw's fence was calibrated at the factory so it shouldn't require any further adjustment. However, in the case that your saw is knocked out of alignment, follow these steps to check and adjust its accuracy.

Tools Needed	Qty
Framing Square	1
Hex wrench 6mm	1
Phillips Head Screwdriver #2	1

To check miter angle for squareness to table:

1. DISCONNECT MACHINE FROM POWER!

2. Set miter angle to zero as described on **Page 18**.

3. Pull cutting head down and lock.

4. Lay a framing square flat on miter table pressed against fence and flat part of blade (not teeth) (see **Figure 80**).

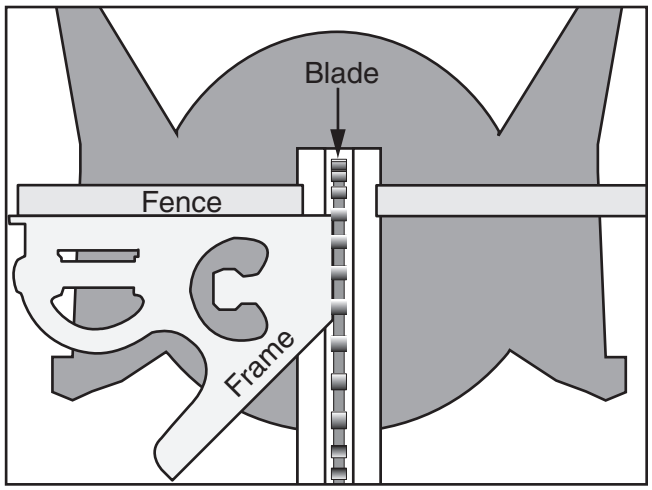


Figure 80. Framing square positioning for miter.

— If front or back edge of saw blade is not flush with framing square, proceed to **Step 5**.

— If frame is flush against both fence and blade then miter is calibrated correctly, proceed to **Step 7**.

5. Loosen fence screws shown in **Figure 81**.

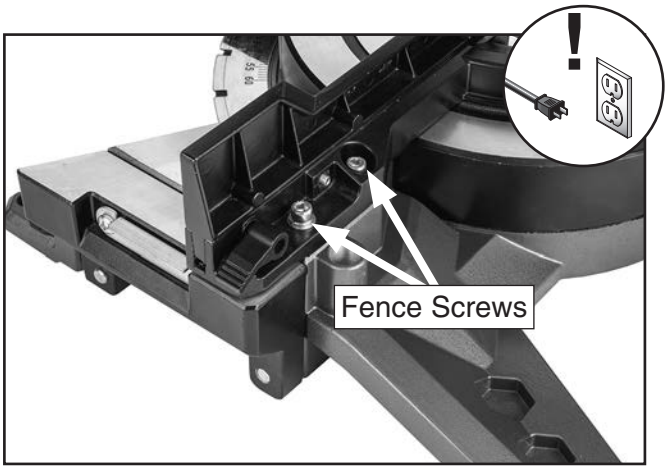


Figure 81. Fence locking screws.

6. Adjust fence until it is square with blade, then secure setting by tightening screws.

7. Check miter scale indicator to see that it points at zero on scale. If it does not, loosen indicator screw and reposition before tightening to secure.

Squaring Blade To Table (Bevel)

Your miter saw was calibrated at the factory so it shouldn't require any further adjustment. However, in the case that your saw is knocked out of alignment, follow these steps to check and adjust its accuracy.

Tools Needed	Qty
Framing Square	1
Hex Wrench 3mm	1
Phillips Head Screwdriver #2	1

To check bevel angle for squareness to table:

1. DISCONNECT MACHINE FROM POWER!

2. Set bevel angle to zero as described on **Page 19**.

3. Pull cutting head down and lock.

4. Lay a framing square flat on miter table pressed against flat part of blade (not teeth) (see **Figure 82**).

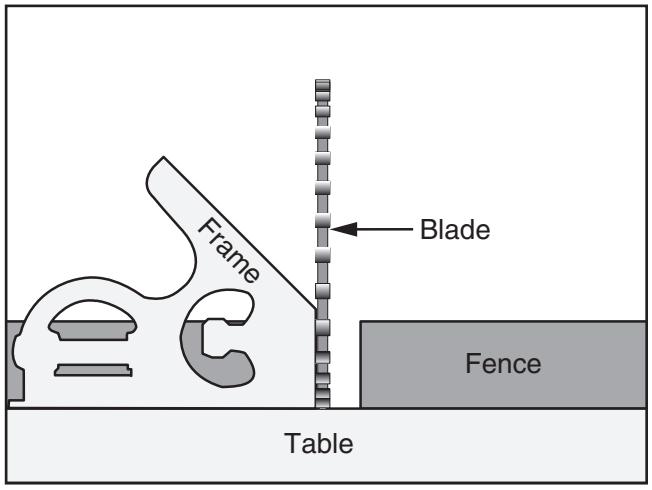


Figure 82. Framing square positioning for bevel.

— If frame is flush against both table and blade then miter is calibrated correctly and you may proceed to **Step 7**.

— If front or back edge of saw blade is not flush with framing square, proceed to **Step 5**.

5. Unlock the bevel lock lever and adjust set screws at either side of bevel scale (see **Figure 83**) until saw blade aligns with frame.

Figure 83. Bevel adjustment screws.

6. Lock bevel lock lever.

7. Check bevel scale indicator to see that it points at zero on scale. If it does not, loosen indicator screw and reposition before tightening to secure.

Adjusting 45˚ Bevel Stop

Your miter saw was calibrated at the factory so it shouldn't require any further adjustment. However, in the case that your saw is knocked out of alignment, or you would like to adjust the bevel stop to a value less than 45˚, follow the below steps.

Tools Needed	Qty
45˚ Angle Tool	1
Hex wrench 3mm	1

To adjust 45˚ bevel stop:

1. DISCONNECT MACHINE FROM POWER!

2. Make sure 0˚ bevel stop is accurate by following steps in **Squaring Blade to Table** on **Page 44**.

3. Set miter angle to 0˚ and fully extend fence extensions.

4. Set bevel angle to 45˚.

5. Measure angle between table and blade (not teeth).

   — If angle is 45˚, bevel stop is calibrated correctly, and no adjustment is necessary. If you wish to adjust bevel stop to an angle less than 45˚, proceed to **Step 6**.

   — If angle is not 45˚, bevel stop needs adjustment. Proceed to **Step 6**.

6. Turn left set screw (see **Figure 84**) until 45˚ (or other desired angle) is achieved.

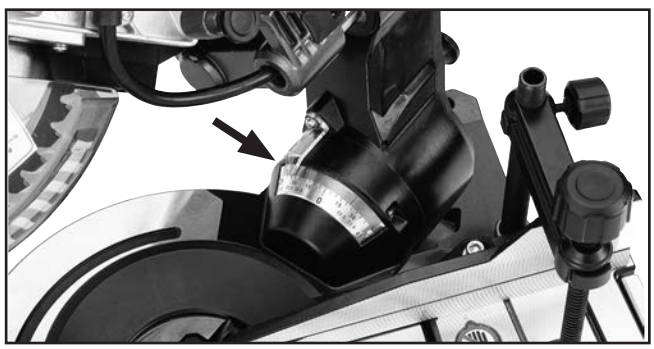


Figure 84. Left set screw location.

Adjusting Table Inserts

The table inserts must sit perfectly flush with the table to provide a smooth, continuous surface for the workpiece to rest on. The inserts are held in place by six Phillips head screws (see **Figure 85**).

The inserts should be checked and adjusted any time they are removed and replaced, after prolonged use, or any time you notice the workpiece does not slide smoothly over the inserts.

Figure 85. Table insert screws.

Tools Needed	Qty
Phillips Head Screwdriver #2	1
Straightedge 12"	1

To check and adjust insert:

1. DISCONNECT MACHINE FROM POWER!

2. Place straightedge across inserts and check to make sure inserts are flush with table at front and back of throat.

   — If inserts are flush with table, no adjustments are necessary.

   — If inserts are not flush with table, proceed to **Step 3**.

3. One at a time, either loosen screws to raise inserts, or tighten screws to lower them. Repeat **Steps 2–3** until inserts are perfectly flush with surface of table.

Replacing Brushes

This miter saw is equipped with a universal motor that uses two carbon brushes to transmit electrical current inside the motor. These brushes are considered to be regular "wear items" or "consumables" that will need to be replaced during the life of the motor. The frequency of required replacement is often related to how much the motor is used and how hard it is pushed.

Replace the carbon brushes (part number: PT31634163 for T31634, or PT31635163 for T31635) at the same time when the motor no longer reaches full power, or when the brushes measure less than ¼" long (new brushes are ⅝" long).

Tools Needed:	**Qty**
Standard Screwdriver #2	1

To inspect and replace motor brushes:

1. DISCONNECT MACHINE FROM POWER!

2. Remove brush caps and worn brushes (see **Figure 86**) from motor.

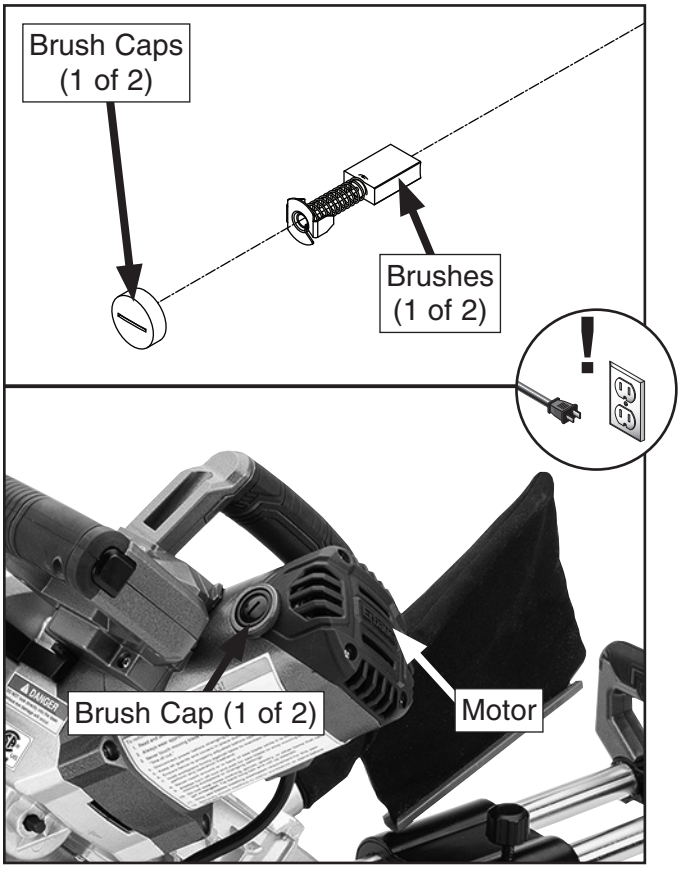


Figure 86. Location of motor brushes and brush caps.

3. When brushes are removed, vacuum out bores to remove any build-up of conductive brush dust.

4. Replace both motor brushes and re-install brush caps.

SECTION 9: 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 aftermarket 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.

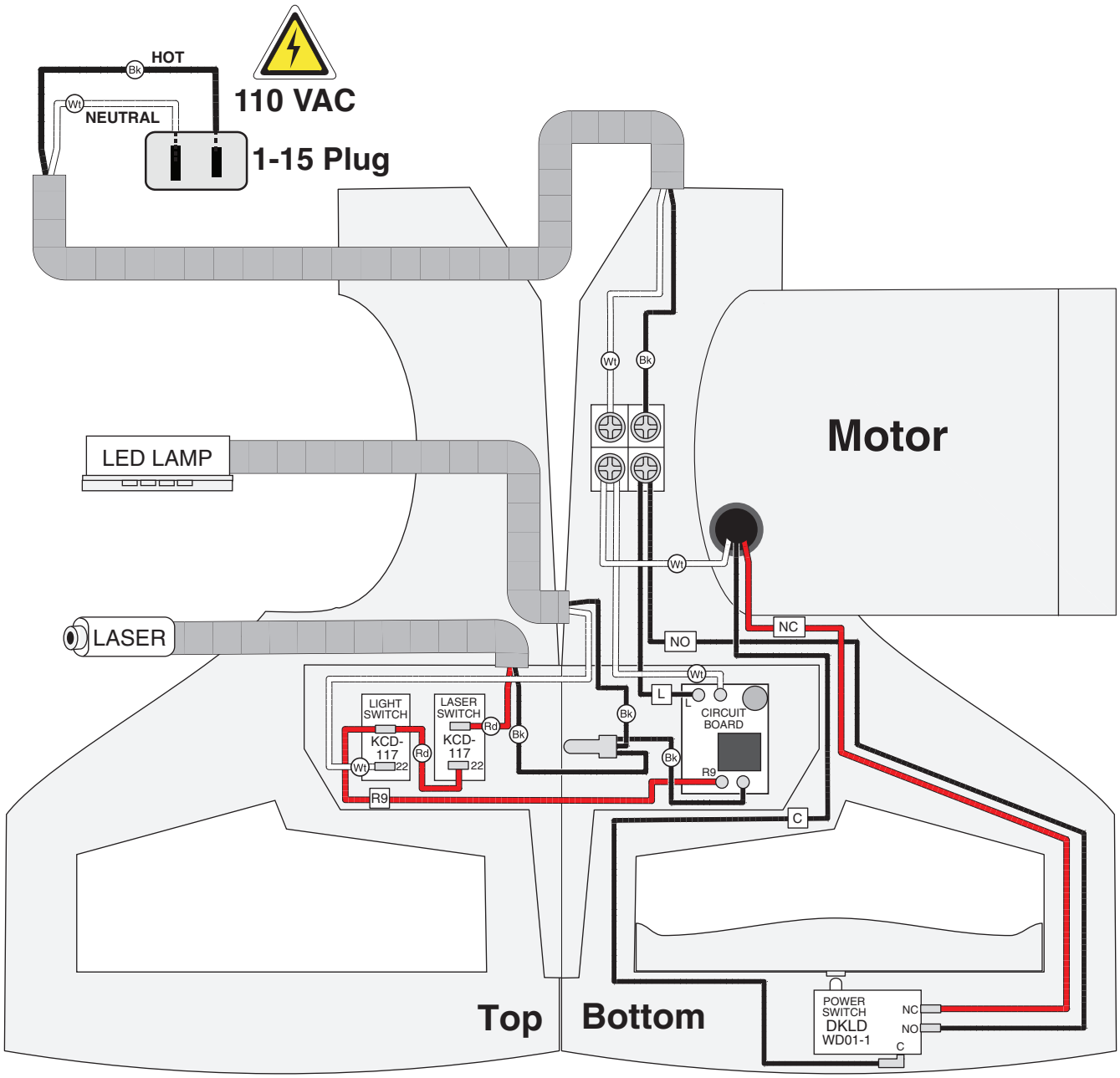
NOTICE

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	Bk	BLUE	Bl	YELLOW	Yl	LIGHT BLUE	Lb
WHITE	Wt	BROWN	Br	YELLOW GREEN	Yg	BLUE WHITE	Bw
GREEN	Gn	GRAY	Gy	PURPLE	Pu	TURQUOISE	Tu
RED	Rd	ORANGE	Or	PINK	Pk		

Wiring Diagram



Operating Handle

STOP *READ ELECTRICAL SAFETY ON PAGE 47!*

Electrical Component Photos

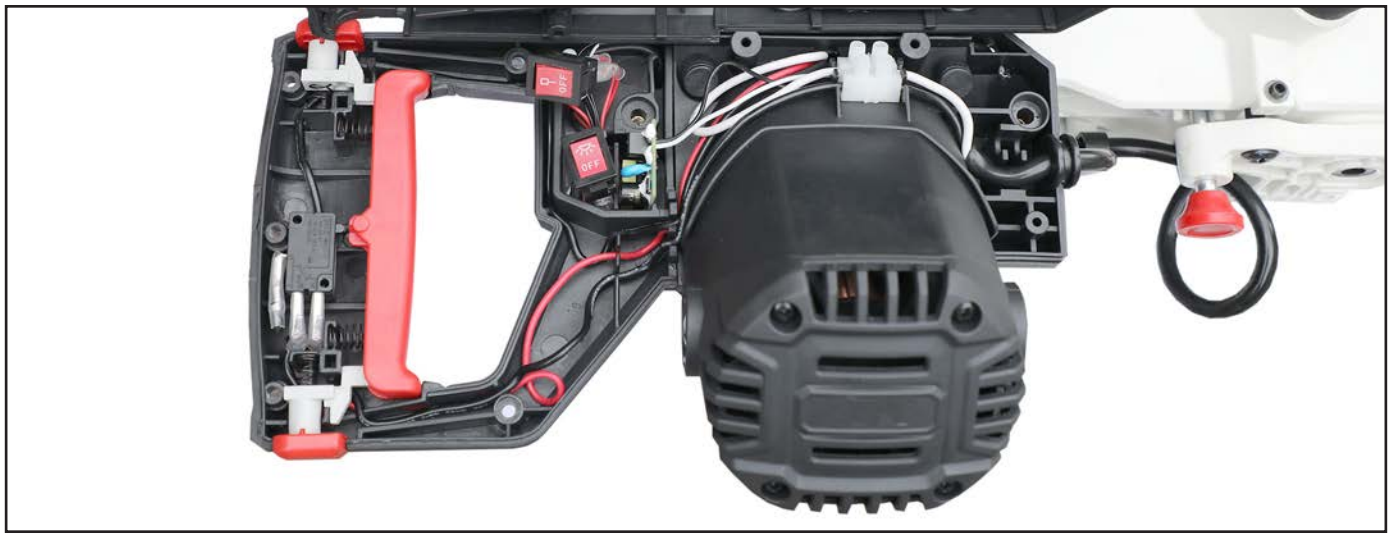


Figure 87. Overall electricals.

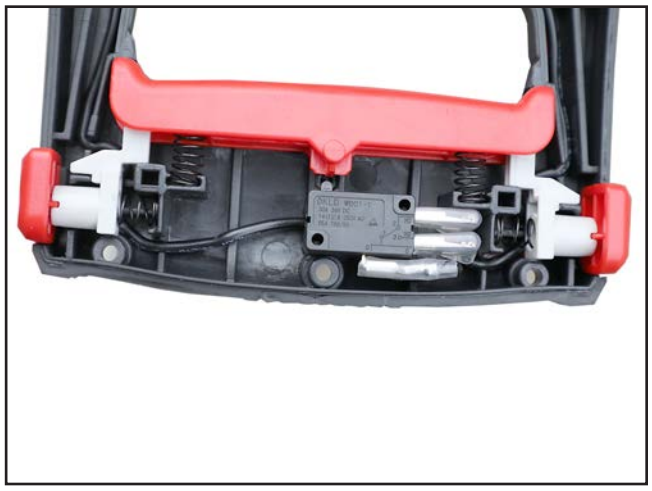


Figure 88. Power switch.

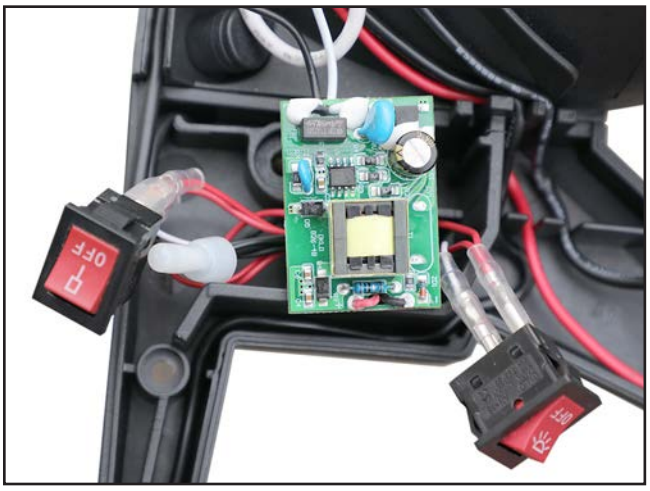


Figure 90. Circuit board, laser switch, and light switch.

Figure 89. Laser.

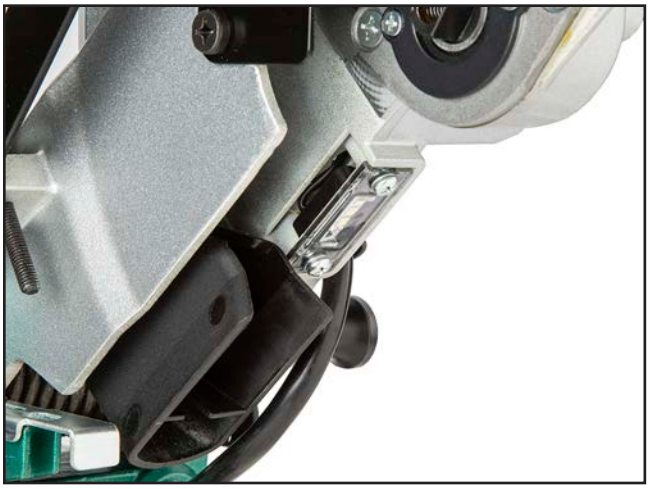
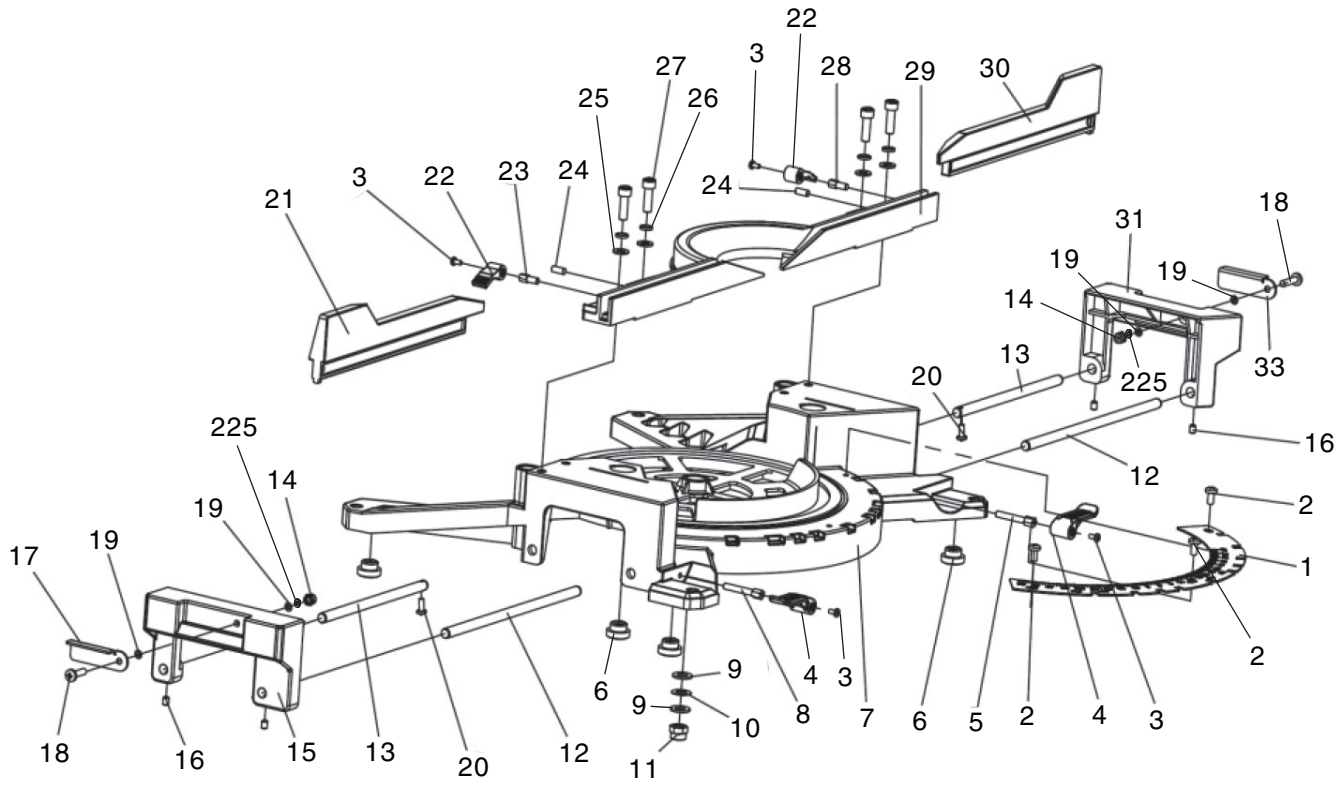


Figure 91. LED lamp.

SECTION 10: 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.

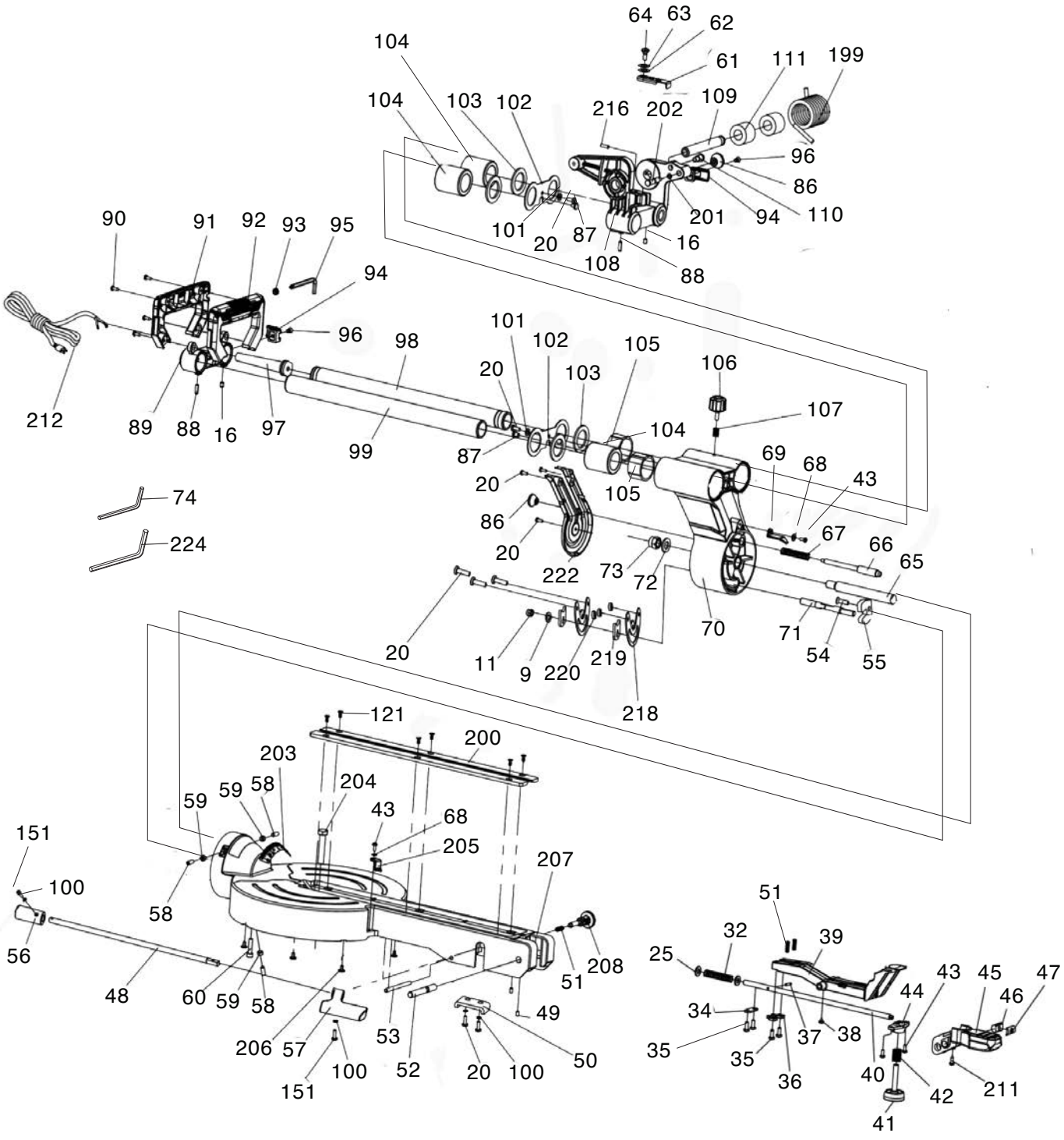
T31634 Table & Fence



REF	PART #	DESCRIPTION
1	PT31634001	MITER ANGLE SCALE
2	PT31634002	BUTTON HD CAP SCR M5-.8 X 12
3	PT31634003	PHLP HD SCR M4-.7 X 8
4	PT31634004	HOLLOW HANDLE 15 X 54, 4
5	PT31634005	HEX STANDOFF STUD M6-1 X 28
6	PT31634006	FOOT
7	PT31634007	BASE
8	PT31634008	HEX STANDOFF STUD M6-1 X 28 LH
9	PT31634009	FLAT WASHER 10MM
10	PT31634010	WAVY WASHER 10MM
11	PT31634011	LOCK NUT M10-1.5
12	PT31634012	EXTENSION ROD 9-3/4" (LONG)
13	PT31634013	EXTENSION ROD 7-5/8" (SHORT)
14	PT31634014	LOCK NUT M6-1
15	PT31634015	TABLE EXTENSION (L)
16	PT31634016	SET SCREW M6-1 X 6
17	PT31634017	WORKPIECE STOP (L)

REF	PART #	DESCRIPTION
18	PT31634018	PHLP HD SCR M6-1 X 20
19	PT31634019	FLAT WASHER 6MM
20	PT31634020	PHLP HD SCR M5-.8 X 12
21	PT31634021	FENCE EXTENSION (L)
22	PT31634022	HOLLOW HANDLE 15 X 32, 4
23	PT31634023	HEX STANDOFF STUD M6-1 X 14
24	PT31634024	SET SCREW M6-1 X 14
25	PT31634025	FLAT WASHER 8MM
26	PT31634026	LOCK WASHER 8MM
27	PT31634027	CAP SCREW M8-1.25 X 25
28	PT31634028	HEX STANDOFF STUD M6-1 X 14 LH
29	PT31634029	FENCE
30	PT31634030	FENCE EXTENSION (R)
31	PT31634031	TABLE EXTENSION (R)
33	PT31634033	WORKPIECE STOP (R)
225	PT31634225	LOCK WASHER 6MM

T31634 Cutting Head & Arm

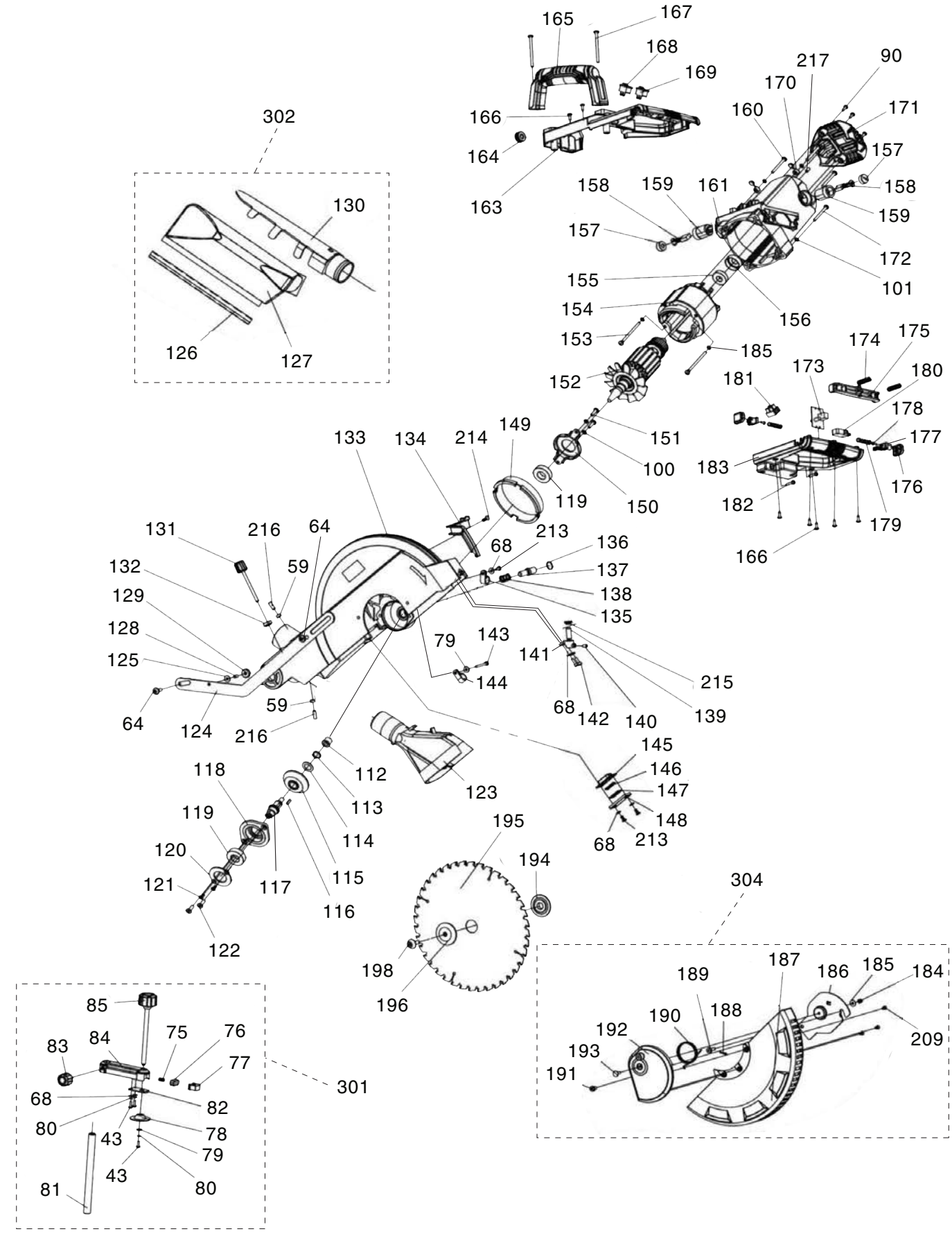


T31634 Cutting Head & Arm List

REF	PART #	DESCRIPTION
9	PT31634009	FLAT WASHER 10MM
11	PT31634011	LOCK NUT M10-1.5
16	PT31634016	SET SCREW M6-1 X 6
20	PT31634020	PHLP HD SCR M5-.8 X 12
25	PT31634025	FLAT WASHER 8MM
32	PT31634032	COMPRESSION SPRING 0.8 X 9.6 X 23.2
34	PT31634034	PLATE
35	PT31634035	TAP SCREW M4.8 X 14
36	PT31634036	FIXED BLOCK
37	PT31634037	ROLL PIN 3 X 16
38	PT31634038	TAP SCREW M4 X 8
39	PT31634039	CUTTING ARM SUPPORT
40	PT31634040	MITER LOCK ROD
41	PT31634041	ADJUSTABLE FOOT M8-1.25 X 40
42	PT31634042	COMPRESSION SPRING 0.8 X 11 X 34
43	PT31634043	PHLP HD SCR M4-.7 X 12
44	PT31634044	SUPPORT
45	PT31634045	MITER LOCK HANDLE
46	PT31634046	ADJUST PIN
47	PT31634047	LOCKING BLOCK
48	PT31634048	BEVEL LOCK ROD
49	PT31634049	SET SCREW M5-.8 X 8
50	PT31634050	STOP PLATE
51	PT31634051	COMPRESSION SPRING 0.8 X 6 X 20
52	PT31634052	LOCK ROD
53	PT31634053	CUTTING ARM SUPPORT LOCK SHAFT
54	PT31634054	FLAT HD CAP SCR M5-.8 X 20
55	PT31634055	STOP PLATE
56	PT31634056	SLEEVE
57	PT31634057	FIXED HANDLE 25 X 10, M5-.8 X 16
58	PT31634058	SET SCREW M6-1 X 20
59	PT31634059	PLASTIC LOCK RING
60	PT31634060	CAP SCREW M6-1 X 25
61	PT31634061	DEPTH STOP PLATE
62	PT31634062	WAVY WASHER 8MM
63	PT31634063	FLAT WASHER 8MM
64	PT31634064	SCREW M6 X 12
65	PT31634065	SUPPORT ARM AXIS SHAFT
66	PT31634066	FIXED PIN
67	PT31634067	COMPRESSION SPRING 0.9 X 9 X 31
68	PT31634068	FLAT WASHER 4MM
69	PT31634069	BEVEL SCALE INDICATOR
70	PT31634070	CUTTING HEAD SUPPORT ARM
71	PT31634071	LOCK SHAFT
72	PT31634072	FLAT WASHER 12MM
73	PT31634073	LOCK NUT M12-1.75
74	PT31634074	HEX WRENCH 2.5MM

REF	PART #	DESCRIPTION
86	PT31634086	KNOB M5-.8, D25, ROUND
87	PT31634087	CUSHION PAD 11 X 2.5, 6 X 7 MM
88	PT31634088	ROLL PIN 5 X 14
89	PT31634089	SLIDE BAR CONNECT
90	PT31634090	TAP SCREW M4.2 X 14
91	PT31634091	REAR HANDLE (R)
92	PT31634092	REAR HANDLE (F)
93	PT31634093	GROMMET 6 ID 12MM OD
94	PT31634094	CORD HOLDER
95	PT31634095	HEX WRENCH W/ CROSS POINT 6MM
96	PT31634096	FLAT HD CAP SCR M5-.8 X 10
97	PT31634097	PROTECTIVE CORD SLEEVE
98	PT31634098	SLIDE BAR (R)
99	PT31634099	SLIDE BAR (L)
100	PT31634100	LOCK WASHER 5MM
101	PT31634101	FLAT WASHER 5MM
102	PT31634102	BEARING PLATE
103	PT31634103	FELT WASHER
104	PT31634104	LINEAR BEARING LM254035
105	PT31634105	SPACER 32 X 46 X 26
106	PT31634106	KNOB BOLT 1/4-28 X 15, 6-LOBE, D26
107	PT31634107	COMPRESSION SPRING 0.8 X 9 X 18
108	PT31634108	CUTTING HEAD PIVOT SUPPORT
109	PT31634109	CHOP PIVOT PIN
110	PT31634110	PHLP HD SCR M10-1.5 X 20
111	PT31634111	BUSHING 17ID X 34OD X 28.5L
121	PT31634121	FLAT HD CAP SCR M4-.7 X 10
151	PT31634151	PHLP HD SCR M5-.8 X 16
199	PT31634199	TORSION SPRING
200	PT31634200	TABLE INSERT
201	PT31634201	O-RING 5 X 1.8 P5
202	PT31634202	CUTTING HEAD LOCK PIN
203	PT31634203	BEVEL ANGLE SCALE
204	PT31634204	HEX BOLT M10-1.5 X 55
205	PT31634205	MITER SCALE INDICATOR
206	PT31634206	FRICTION PAD 3.9, 10 MM OD
207	PT31634207	CUTTING ARM TABLE
208	PT31634208	MITER RELEASE PIN
211	PT31634211	TAP SCREW M4.2 X 10
212	PT31634212	POWER CORD 14G 3W 157.5" 1-15P
216	PT31634216	SET SCREW M6-1 X 16
218	PT31634218	FRICTION PAD
219	PT31634219	SHIM 3MM
220	PT31634220	SLEEVE
222	PT31634222	REAR COVER
224	PT31634224	HEX WRENCH 3MM

T31634 Motor & Blade

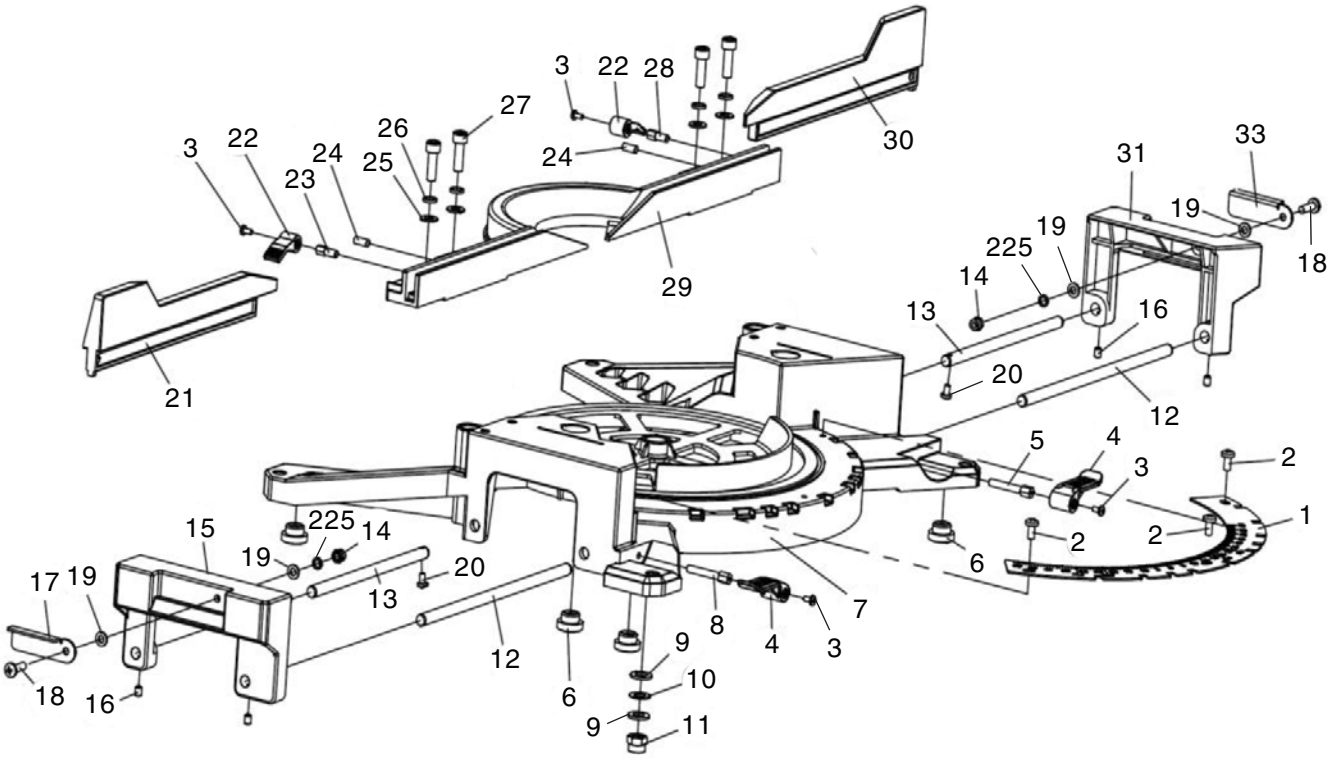


T31634 Motor & Blade List

REF	PART #	DESCRIPTION
43	PT31634043	PHLP HD SCR M4-.7 X 12
59	PT31634059	PLASTIC LOCK RING
64	PT31634064	SCREW M6 X 12
68	PT31634068	FLAT WASHER 4MM
75	PT31634075	COMPRESSION SPRING 1 X 6 X 17
76	PT31634076	LOCKING BLOCK
77	PT31634077	CLAMP RELEASE BUTTON
78	PT31634078	CLAMP PLATE
79	PT31634079	FLAT WASHER 4MM
80	PT31634080	LOCK WASHER 4MM
81	PT31634081	CLAMP AXIS POST
82	PT31634082	PLATE
83	PT31634083	KNOB BOLT 1/4-28 X 15, 6-LOBE, D26
84	PT31634084	CLAMP FRAME
85	PT31634085	CLAMP POST M12 X 130
90	PT31634090	TAP SCREW M4.2 X 14
100	PT31634100	LOCK WASHER 5MM
101	PT31634101	FLAT WASHER 5MM
112	PT31634112	BEARING OD 8MM
113	PT31634113	EXT RETAINING RING 14MM
114	PT31634114	WASHER 14MM
115	PT31634115	BEVEL GEAR
116	PT31634116	KEY 4 X 4 X 12 RE
117	PT31634117	ARBOR SHAFT
118	PT31634118	GEAR COVER
119	PT31634119	BALL BEARING 6003-2RS
120	PT31634120	PLATE
121	PT31634121	FLAT HD CAP SCR M4-.7 X 10
122	PT31634122	FLAT HD CAP SCR M6-1 X 16
123	PT31634123	DUST CHUTE
124	PT31634124	GUARD ARM
125	PT31634125	FLAT WASHER 6MM
126	PT31634126	DUST BAG CLIP
127	PT31634127	DUST BAG
128	PT31634128	BEARING PIN
129	PT31634129	BALL BEARING 606-2RS
130	PT31634130	DUST BAG FRAME
131	PT31634131	KNOB BOLT M6-1 X 54, 6-LOBE, D20
132	PT31634132	KNURLED NUT M6-1
133	PT31634133	BLADE GUARD (UPPER)
134	PT31634134	WIRING PROTECTOR
135	PT31634135	CABLE CLIP
136	PT31634136	EXT RETAINING RING 11MM
137	PT31634137	SHAFT
138	PT31634138	COMPRESSION SPRING 0.7 X 8 X 14
139	PT31634139	LASER CLASS II, 3V, 400-700NM
140	PT31634140	SET SCREW M6-1 X 6
141	PT31634141	LASER SEAT
142	PT31634142	CAP SCREW M4-.7 X 12
143	PT31634143	TAP SCREW M4.2 X 40
144	PT31634144	CABLE CLIP
145	PT31634145	LIGHT BOX
146	PT31634146	LED LIGHT BULB ZM39-2
147	PT31634147	SEAL
148	PT31634148	LENS
149	PT31634149	DEFLECTOR

REF	PART #	DESCRIPTION
150	PT31634150	MOTOR PLATE
151	PT31634151	PHLP HD SCR M5-.8 X 16
152	PT31634152	ARMATURE
153	PT31634153	PHLP HD SCR M5-.8 X 70
154	PT31634154	STATOR
155	PT31634155	BALL BEARING 6001-2RS
156	PT31634156	BEARING HOUSING
157	PT31634157	CAP
158	PT31634158	CARBON BRUSH
159	PT31634159	BRUSH HOLDER
160	PT31634160	PHLP HD SCR M5-.8 X 45
161	PT31634161	MOTOR HOUSING
163	PT31634163	OPERATING HANDLE (TOP)
164	PT31634164	GROMMET 10 ID 20MM OD
165	PT31634165	HANDLE (UPPER)
166	PT31634166	TAP SCREW M4.2 X 16
167	PT31634167	PHLP HD SCR M5-.8 X 60
168	PT31634168	LASER SWITCH KCD-117
169	PT31634169	LED LIGHT SWITCH KCD-117
170	PT31634170	SCREW CAP
171	PT31634171	MOTOR COVER
172	PT31634172	PHLP HD SCR M5-.8 X 35
173	PT31634173	CONTROLLER ASSEMBLY
174	PT31634174	COMPRESSION SPRING 1 X 30 X 8
175	PT31634175	TRIGGER
176	PT31634176	RELEASE BUTTON
177	PT31634177	BUTTON PRESS POST
178	PT31634178	TAP SCREW M2.9 X 10
179	PT31634179	COMPRESSION SPRING 1 X 30 X 8
180	PT31634180	MICRO SWITCH KEDU WD01-1
181	PT31634181	TERMINAL BAR 4P
182	PT31634182	TAP SCREW M4.2 X 20
183	PT31634183	OPERATING HANDLE (BOTTOM)
184	PT31634184	LOCK NUT M5-.8
185	PT31634185	FLAT WASHER 5MM
186	PT31634186	FIXED PLATE
187	PT31634187	BLADE GUARD (LOWER)
188	PT31634188	COTTER PIN M6 X 15 HAIRPIN
189	PT31634189	SCREW M6 X 20
190	PT31634190	TORSION SPRING
191	PT31634191	PHLP HD SCR M6-1 X 8
192	PT31634192	COVER PLATE
193	PT31634193	CARRIAGE BOLT M5-.8 X 16
194	PT31634194	INNER FLANGE
195	PT31634195	SAW BLADE 10" X 48T X 5/8 ARBOR
196	PT31634196	OUTER FLANGE
198	PT31634198	CAP SCREW M8-1.25 X 20 LH
209	PT31634209	FLAT HD CAP SCR M4-.7 X 10
213	PT31634213	TAP SCREW M4 X 12
214	PT31634214	TAP SCREW M4 X 10
215	PT31634215	LASER COVER
216	PT31634216	SET SCREW M6-1 X 16
217	PT31634217	SET SCREW M5-.8 X 8
301	PT31634301	HOLD-DOWN CLAMP ASSEMBLY
302	PT31634302	DUST BAG ASSEMBLY
304	PT31634304	BLADE GUARD ASSEMBLY (LOWER)

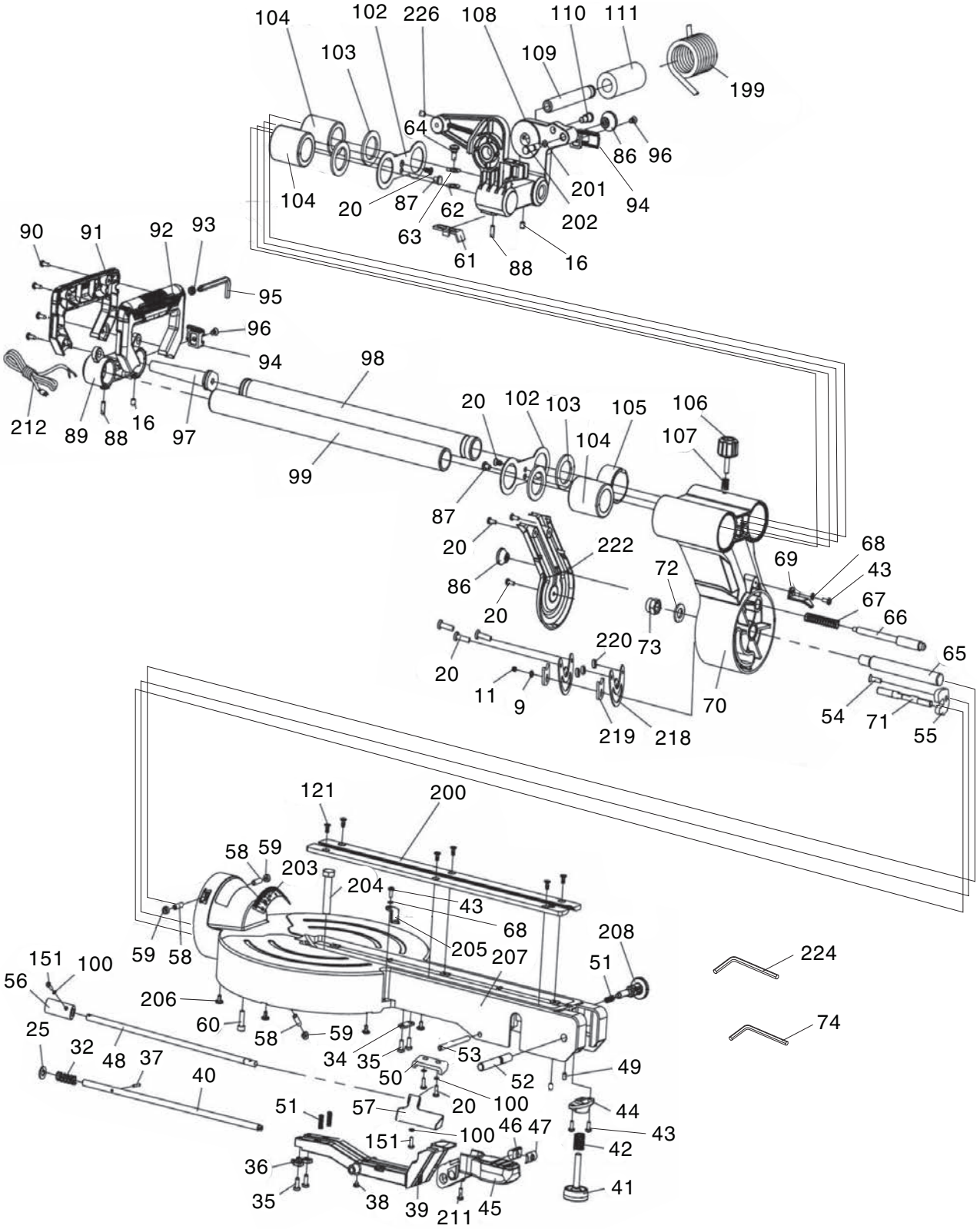
T31635 Table & Fence



REF	PART #	DESCRIPTION
1	PT31635001	MITER ANGLE SCALE
2	PT31635002	BUTTON HD CAP SCR M6-1 X 12
3	PT31635003	PHLP HD SCR M4-.7 X 8
4	PT31635004	HOLLOW HANDLE 15 X 54, 4
5	PT31635005	HEX STANDOFF STUD M6-1 X 28
6	PT31635006	FOOT
7	PT31635007	BASE
8	PT31635008	HEX STANDOFF STUD M6-1 X 28 LH
9	PT31635009	FLAT WASHER 10MM
10	PT31635010	WAVY WASHER 10MM
11	PT31635011	LOCK NUT M10-1.5
12	PT31635012	EXTENSION ROD 9-3/4" (LONG)
13	PT31635013	EXTENSION ROD 7-5/8" (SHORT)
14	PT31635014	LOCK NUT M6-1
15	PT31635015	TABLE EXTENSION (L)
16	PT31635016	SET SCREW M6-1 X 6
17	PT31635017	WORKPIECE STOP (L)

REF	PART #	DESCRIPTION
18	PT31635018	PHLP HD SCR M6-1 X 20
19	PT31635019	FLAT WASHER 6MM
20	PT31635020	PHLP HD SCR M5-.8 X 12
21	PT31635021	FENCE EXTENSION (L)
22	PT31635022	HOLLOW HANDLE 15 X 32, 4
23	PT31635023	HEX STANDOFF STUD M6-1 X 14
24	PT31635024	SET SCREW M6-1 X 14
25	PT31635025	FLAT WASHER 8MM
26	PT31635026	LOCK WASHER 8MM
27	PT31635027	CAP SCREW M8-1.25 X 25
28	PT31635028	HEX STANDOFF STUD M6-1 X 14 LH
29	PT31635029	FENCE
30	PT31635030	FENCE EXTENSION (R)
31	PT31635031	TABLE EXTENSION (R)
33	PT31635033	WORKPIECE STOP (R)
225	PT31635225	LOCK WASHER 6MM

T31635 Cutting Head & Arm

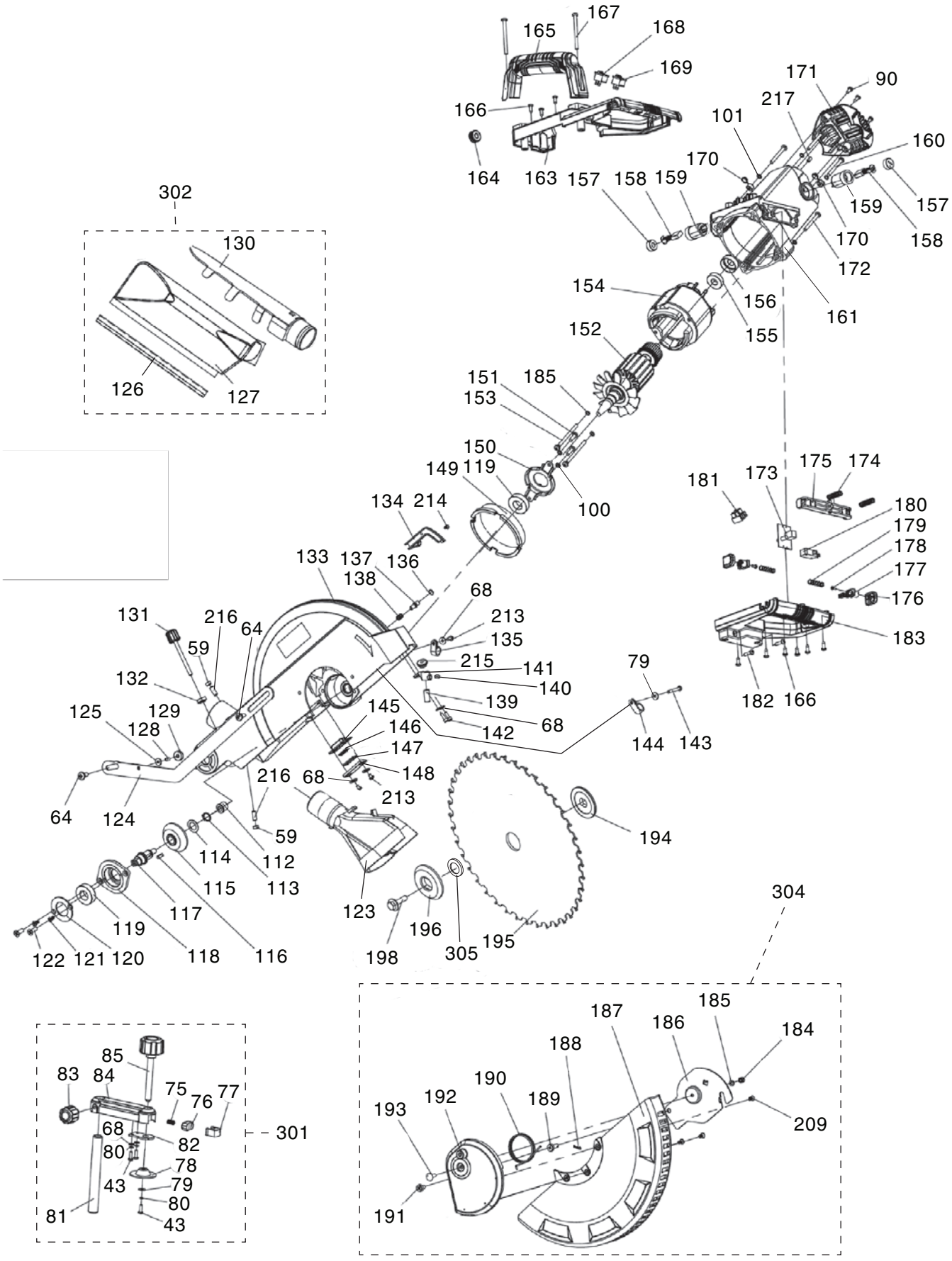


T31635 Cutting Head & Arm List

REF	PART #	DESCRIPTION
9	PT31635009	FLAT WASHER 10MM
11	PT31635011	LOCK NUT M10-1.5
16	PT31635016	SET SCREW M6-1 X 6
20	PT31635020	PHLP HD SCR M5-.8 X 12
25	PT31635025	FLAT WASHER 8MM
32	PT31635032	COMPRESSION SPRING 1.2 X 10 X 34
34	PT31635034	PLATE
35	PT31635035	TAP SCREW M4.8 X 14
36	PT31635036	FIXED BLOCK
37	PT31635037	ROLL PIN 3 X 16
38	PT31635038	TAP SCREW M4 X 6
39	PT31635039	CUTTING ARM SUPPORT
40	PT31635040	MITER LOCK ROD
41	PT31635041	ADJUSTABLE FOOT M8-1.25 X 40
42	PT31635042	COMPRESSION SPRING 0.8 X 11 X 34
43	PT31635043	PHLP HD SCR M4-.7 X 12
44	PT31635044	SUPPORT
45	PT31635045	MITER LOCK HANDLE
46	PT31635046	ADJUST PIN
47	PT31635047	LOCKING BLOCK
48	PT31635048	BEVEL LOCK ROD
49	PT31635049	SET SCREW M5-.8 X 8
50	PT31635050	STOP PLATE
51	PT31635051	COMPRESSION SPRING 0.8 X 6 X 20
52	PT31635052	LOCK ROD
53	PT31635053	CUTTING ARM SUPPORT LOCK SHAFT
54	PT31635054	FLAT HD CAP SCR M5-.8 X 20
55	PT31635055	STOP PLATE
56	PT31635056	SLEEVE
57	PT31635057	FIXED HANDLE 25 X 10, M5-.8 X 16
58	PT31635058	SET SCREW M6-1 X 20
59	PT31635059	PLASTIC LOCK RING
60	PT31635060	CAP SCREW M6-1 X 25
61	PT31635061	DEPTH STOP PLATE
62	PT31635062	LOCK WASHER 8MM
63	PT31635063	FLAT WASHER 8MM
64	PT31635064	SCREW M6 X 10
65	PT31635065	SUPPORT ARM AXIS SHAFT
66	PT31635066	FIXED PIN
67	PT31635067	COMPRESSION SPRING 0.9 X 9 X 31
68	PT31635068	FLAT WASHER 4MM
69	PT31635069	BEVEL SCALE INDICATOR
70	PT31635070	CUTTING HEAD SUPPORT ARM
71	PT31635071	LOCK SHAFT
72	PT31635072	FLAT WASHER 12MM
73	PT31635073	LOCK NUT M12-1.75

REF	PART #	DESCRIPTION
74	PT31635074	HEX WRENCH 2.5MM
86	PT31635086	KNOB M5-.8, D25, ROUND
87	PT31635087	RUBBER CUSHION PAD
88	PT31635088	ROLL PIN 5 X 14
89	PT31635089	SLIDE BAR CONNECT
90	PT31635090	TAP SCREW M4.2 X 14
91	PT31635091	REAR HANDLE (R)
92	PT31635092	REAR HANDLE (F)
93	PT31635093	GROMMET 6 ID 12MM OD
94	PT31635094	CORD HOLDER
95	PT31635095	HEX WRENCH W/ CROSS POINT 6MM
96	PT31635096	FLAT HD CAP SCR M5-.8 X 10
97	PT31635097	PROTECTIVE CORD SLEEVE
98	PT31635098	SLIDE BAR (R)
99	PT31635099	SLIDE BAR (L)
100	PT31635100	LOCK WASHER 5MM
102	PT31635102	BEARING PLATE
103	PT31635103	FELT WASHER
104	PT31635104	LINEAR BEARING LM304550
105	PT31635105	SPACER 32 X 46 X 26
106	PT31635106	KNOB BOLT 1/4-28 X 15, 6-LOBE, D26
107	PT31635107	COMPRESSION SPRING 0.8 X 9 X 18
108	PT31635108	CUTTING HEAD PIVOT SUPPORT
109	PT31635109	CHOP PIVOT PIN
110	PT31635110	PHLP HD SCR M10-1.5 X 20
111	PT31635111	BUSHING 17.5ID X 29OD X 50L
121	PT31635121	FLAT HD CAP SCR M4-.7 X 10
151	PT31635151	PHLP HD SCR M5-.8 X 16
199	PT31635199	TORSION SPRING
200	PT31635200	TABLE INSERT
201	PT31635201	O-RING 8 X 1.9
202	PT31635202	CUTTING HEAD LOCK PIN
203	PT31635203	BEVEL ANGLE SCALE
204	PT31635204	HEX BOLT M10-1.5 X 50
205	PT31635205	MITER SCALE INDICATOR
206	PT31635206	FRICTION PAD
207	PT31635207	CUTTING ARM TABLE
208	PT31635208	MITER RELEASE PIN
211	PT31635211	TAP SCREW M4 X 12
212	PT31635212	POWER CORD 12G 2W 138" 1-15P
218	PT31635218	FRICTION PAD
219	PT31635219	SHIM
220	PT31635220	SLEEVE
222	PT31635222	REAR COVER
224	PT31635224	HEX WRENCH 3MM
226	PT31635226	SET SCREW M6-1 X 16

T31635 Motor & Blade

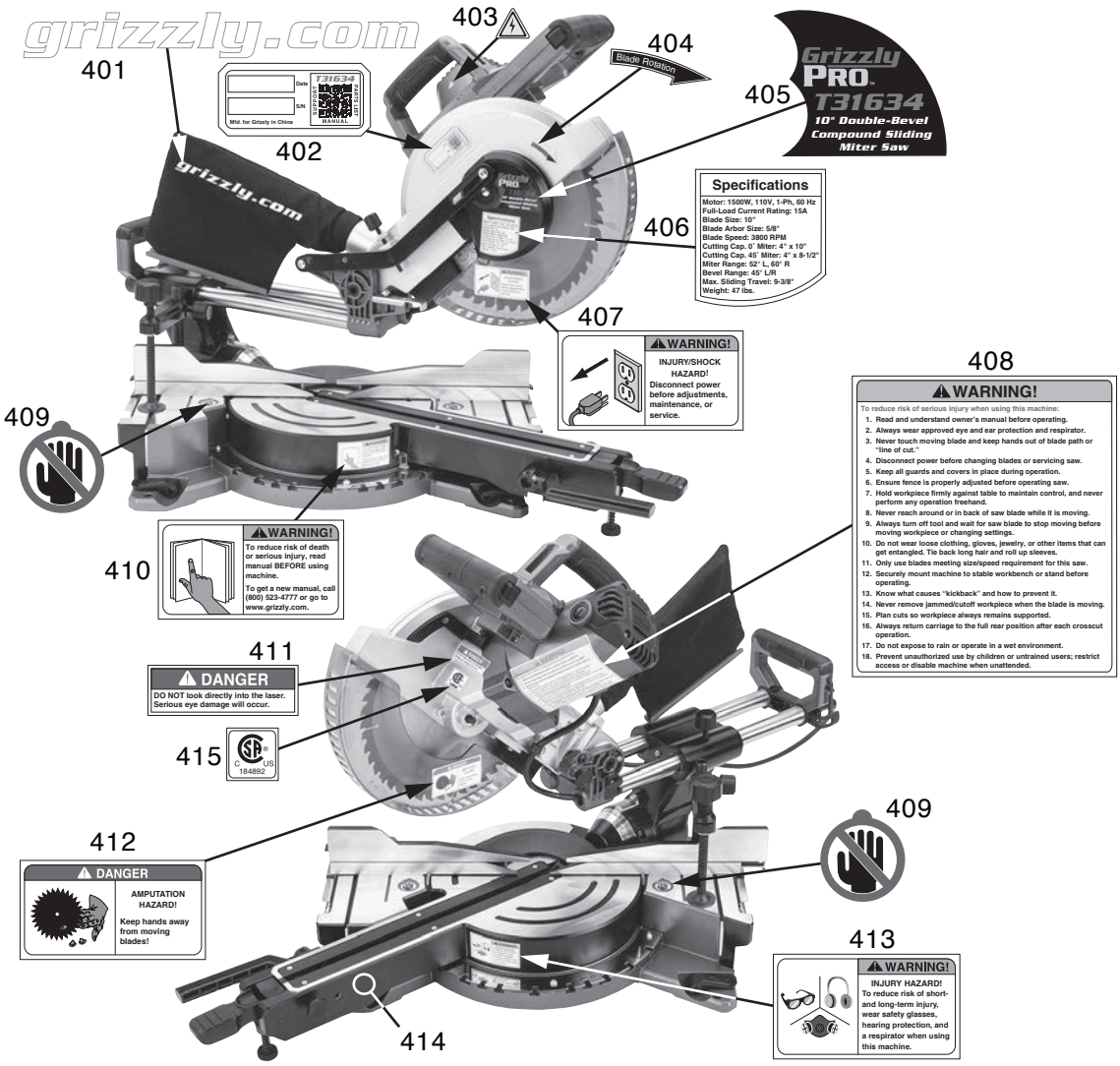


T31635 Motor & Blade List

REF	PART #	DESCRIPTION
43	PT31635043	PHLP HD SCR M4-.7 X 12
59	PT31635059	PLASTIC LOCK RING
64	PT31635064	SCREW M6 X 10
68	PT31635068	FLAT WASHER 4MM
75	PT31635075	COMPRESSION SPRING 1 X 6 X 17
76	PT31635076	LOCKING BLOCK
77	PT31635077	CLAMP RELEASE BUTTON
78	PT31635078	CLAMP PLATE
79	PT31635079	FLAT WASHER 4MM
80	PT31635080	LOCK WASHER 4MM
81	PT31635081	CLAMP AXIS POST
82	PT31635082	PLATE
83	PT31635083	KNOB BOLT 1/4-28 X 15, 6-LOBE, D26
84	PT31635084	CLAMP FRAME
85	PT31635085	CLAMP POST M12 X 130
90	PT31635090	TAP SCREW M4.2 X 14
100	PT31635100	LOCK WASHER 5MM
112	PT31635112	BEARING OD 8MM
113	PT31635113	EXT RETAINING RING 14MM
114	PT31635114	WASHER 14MM
115	PT31635115	BEVEL GEAR
116	PT31635116	KEY 4 X 4 X 12 RE
117	PT31635117	ARBOR SHAFT
118	PT31635118	GEAR COVER
119	PT31635119	BALL BEARING 6003-2RS
120	PT31635120	PLATE
121	PT31635121	FLAT HD CAP SCR M4-.7 X 10
122	PT31635122	FLAT HD CAP SCR M6-1 X 16
123	PT31635123	DUST CHUTE
124	PT31635124	GUARD ARM
125	PT31635125	FLAT WASHER 6MM
126	PT31635126	DUST BAG CLIP
127	PT31635127	DUST BAG
128	PT31635128	BEARING PIN
129	PT31635129	BALL BEARING 606-2RS
130	PT31635130	DUST BAG FRAME
131	PT31635131	KNOB BOLT M6-1 X 54, 6-LOBE, D20
132	PT31635132	KNURLED NUT M6-1
133	PT31635133	BLADE GUARD (UPPER)
134	PT31635134	WIRING PROTECTOR
135	PT31635135	CABLE CLIP
136	PT31635136	EXT RETAINING RING 11MM
137	PT31635137	SHAFT
138	PT31635138	COMPRESSION SPRING 0.8 X 8 X 14
139	PT31635139	LASER, CLASS II, 3V, 400-700NM
140	PT31635140	SET SCREW M6-1 X 6
141	PT31635141	LASER SEAT
142	PT31635142	CAP SCREW M4-.7 X 12
143	PT31635143	TAP SCREW M4.2 X 40
144	PT31635144	CABLE CLIP
145	PT31635145	LIGHT BOX
146	PT31635146	LED LIGHT BULB ZM39-2
147	PT31635147	SEAL
148	PT31635148	LENS
149	PT31635149	DEFLECTOR
150	PT31635150	MOTOR PLATE

REF	PART #	DESCRIPTION
151	PT31635151	PHLP HD SCR M5-.8 X 16
152	PT31635152	ARMATURE
153	PT31635153	PHLP HD SCR M5-.8 X 70
154	PT31635154	STATOR
155	PT31635155	BALL BEARING 6001-2RS
156	PT31635156	BEARING HOUSING
157	PT31635157	CAP
158	PT31635158	CARBON BRUSH
159	PT31635159	BRUSH HOLDER
160	PT31635160	PHLP HD SCR M5-.8 X 45
161	PT31635161	MOTOR HOUSING
163	PT31635163	OPERATING HANDLE (TOP)
164	PT31635164	GROMMET 10 ID 20MM OD
165	PT31635165	HANDLE (UPPER)
166	PT31635166	TAP SCREW M4.2 X 16
167	PT31635167	PHLP HD SCR M5-.8 X 60
168	PT31635168	LASER SWITCH KCD-117
169	PT31635169	LED LIGHT SWITCH KCD-117
170	PT31635170	SCREW CAP
171	PT31635171	MOTOR COVER
172	PT31635172	PHLP HD SCR M5-.8 X 35
173	PT31635173	CONTROLLER ASSEMBLY
174	PT31635174	COMPRESSION SPRING 1 X 30 X 8
175	PT31635175	TRIGGER
176	PT31635176	RELEASE BUTTON
177	PT31635177	BUTTON PRESS POST
178	PT31635178	TAP SCREW M2.9 X 10
179	PT31635179	COMPRESSION SPRING 1 X 30 X 8
180	PT31635180	MICRO SWITCH KEDU WD01-1
181	PT31635181	TERMINAL BAR 4P
182	PT31635182	TAP SCREW M4.2 X 20
183	PT31635183	OPERATING HANDLE (BOTTOM)
184	PT31635184	LOCK NUT M5-.8
185	PT31635185	FLAT WASHER 5MM
186	PT31635186	FIXED PLATE
187	PT31635187	BLADE GUARD (LOWER)
188	PT31635188	COTTER PIN M6 X 15 HAIRPIN
189	PT31635189	SCREW M6 X 16
190	PT31635190	TORSION SPRING
191	PT31635191	SCREW M6 X 12
192	PT31635192	COVER PLATE
193	PT31635193	CARRIAGE BOLT M5-.8 X 16
194	PT31635194	INNER FLANGE
195	PT31635195	SAW BLADE 12" X 48T X 1" ARBOR
196	PT31635196	OUTER FLANGE
198	PT31635198	CAP SCREW M8-1.25 X 20 LH
209	PT31635209	FLAT HD CAP SCR M4-.7 X 10
213	PT31635213	TAP SCREW M4 X 12
214	PT31635214	TAP SCREW M4 X 10
215	PT31635215	LASER COVER
216	PT31635216	SET SCREW M6-1 X 25
217	PT31635217	SET SCREW M5-.8 X 8
301	PT31635301	HOLD-DOWN CLAMP ASSEMBLY
302	PT31635302	DUST BAG ASSEMBLY
304	PT31635304	BLADE GUARD ASSEMBLY (LOWER)
305	PT31635305	SAW BLADE REDUCER BUSHING 1" to 5/8"

Labels & Cosmetics



REF	PART #	DESCRIPTION
401	PT31634401	GRIZZLY.COM LABEL
402	PT31634402	QR CODE LABEL (T31634)
402	PT31635402	QR CODE LABEL (T31635)
403	PT31634403	ELECTRICITY LABEL
404	PT31634404	BLADE ROTATION LABEL
405	PT31634405	MODEL NUMBER LABEL (T31634)
405	PT31635405	MODEL NUMBER LABEL (T31635)
406	PT31634406	SPECIFICATIONS LABEL (T31634)
406	PT31635406	SPECIFICATIONS LABEL (T31635)

REF	PART #	DESCRIPTION
407	PT31634407	INJURY/SHOCK HAZARD LABEL
408	PT31634408	WARNING LABEL
409	PT31634409	NO HAND ZONE LABEL
410	PT31634410	READ MANUAL LABEL
411	PT31634411	LASER DANGER LABEL
412	PT31634412	AMPUTATION HAZARD LABEL
413	PT31634413	EYE/EAR/LUNG INJURY LABEL
414	PT31634414	TOUCH-UP PAINT GRIZZLY BLACK
415	PT31634415	CSA LABEL

⚠WARNING

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

WARRANTY & 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/secureforms/warranty-card**, or you can scan the QR code below to be automatically directed to our warranty registration page. Enter all applicable information for the product.