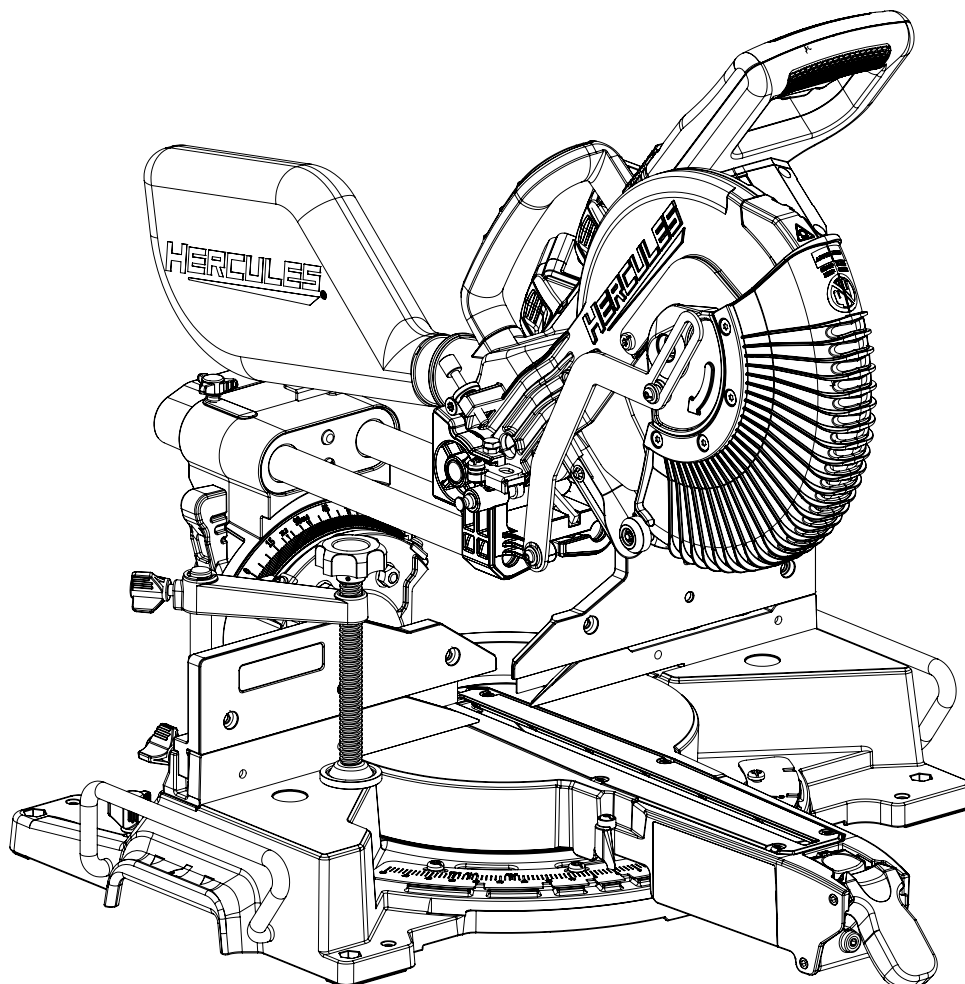




**Model
HE74B**

Requires 2 Batteries and Charger, Sold Separately

20V Brushless 10" Double-Bevel Sliding Compound Miter Saw

⚠WARNING: To prevent serious injury, User must read and understand Owner's Manual. SAVE THIS MANUAL.

When unpacking, make sure that the product is intact and undamaged.
If any parts are missing or broken, please call 1-888-866-5797
as soon as possible. Reference 57670.

IMPORTANT SAFETY INFORMATION

GENERAL POWER TOOL SAFETY WARNINGS

WARNING

Read all safety warnings, instructions, illustrations and specifications provided with this power tool.

Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

1. **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
3. **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

Electrical safety

1. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
2. **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
3. **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
4. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
5. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
6. **If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** *Use of a GFCI reduces the risk of electric shock.*

Personal safety

1. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*
2. **Use personal protective equipment.** *Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
3. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.*
4. **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
5. **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
6. **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewelry or long hair can be caught in moving parts.*
7. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*
8. **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*
9. **Only use safety equipment that has been approved by an appropriate standards agency.** *Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.*
10. **Do not leave the tool unattended when the Battery Pack is connected. Turn off the tool, and remove the Battery Pack before leaving.**
11. **This product is not a toy. Keep it out of reach of children.**

12. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
13. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Power tool use and care

1. **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
2. **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
3. **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
4. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*
5. **Maintain power tools and accessories.** *Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.*
6. **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
7. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*
8. **Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

Service

1. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*
2. **Never service damaged BATTERY packs.** *Service of BATTERY packs should only be performed by the manufacturer or authorized service providers.*
3. **Maintain labels and nameplates on the tool.** *These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.*

Safety instructions for mitre saws

1. **Mitre saws are intended to cut wood or wood-like products, they cannot be used with abrasive cut-off wheels for cutting ferrous material such as bars, rods, studs, etc.** *Abrasive dust causes moving parts such as the lower guard to jam. Sparks from abrasive cutting will burn the lower guard, the kerf insert and other plastic parts.*
2. **Use clamps to support the workpiece whenever possible.** *If supporting the workpiece by hand, you must always keep your hand at least 100 mm from either side of the saw blade. Do not use this saw to cut pieces that are too small to be securely clamped or held by hand. If your hand is placed too close to the saw blade, there is an increased risk of injury from blade contact.*
3. **The workpiece must be stationary and clamped or held against both the fence and the table. Do not feed the workpiece into the blade or cut "freehand" in any way.** *Unrestrained or moving workpieces could be thrown at high speeds, causing injury.*
4. **Push the saw through the workpiece. Do not pull the saw through the workpiece.** *To make a cut, raise the saw head and pull it out over the workpiece without cutting, start the motor, press the saw head down and push the saw through the workpiece. Cutting on the pull stroke is likely to cause the saw blade to climb on top of the workpiece and violently throw the blade assembly towards the operator.*
5. **Never cross your hand over the intended line of cutting either in front or behind the saw blade.** *Supporting the workpiece "cross handed" i.e. holding the workpiece to the right of the saw blade with your left hand or vice versa is very dangerous.*
6. **Do not reach behind the fence with either hand closer than 100 mm from either side of the saw blade, to remove wood scraps, or for any other reason while the blade is spinning.** *The proximity of the spinning saw blade to your hand may not be obvious and you may be seriously injured.*

7. **Inspect your workpiece before cutting.** If the workpiece is bowed or warped, clamp it with the outside bowed face toward the fence. Always make certain that there is no gap between the workpiece, fence and table along the line of the cut. Bent or warped workpieces can twist or shift and may cause binding on the spinning saw blade while cutting. There should be no nails or foreign objects in the workpiece.
8. **Do not use the saw until the table is clear of all tools, wood scraps, etc., except for the workpiece.** Small debris or loose pieces of wood or other objects that contact the revolving blade can be thrown with high speed.
9. **Cut only one workpiece at a time.** Stacked multiple workpieces cannot be adequately clamped or braced and may bind on the blade or shift during cutting.
10. **Ensure the mitre saw is mounted or placed on a level, firm work surface before use.** A level and firm work surface reduces the risk of the mitre saw becoming unstable.
11. **Plan your work.** Every time you change the bevel or mitre angle setting, make sure the adjustable fence is set correctly to support the workpiece and will not interfere with the blade or the guarding system. Without turning the tool "ON" and with no workpiece on the table, move the saw blade through a complete simulated cut to assure there will be no interference or danger of cutting the fence.
12. **Provide adequate support such as table extensions, saw horses, etc. for a workpiece that is wider or longer than the table top.** Workpieces longer or wider than the mitre saw table can tip if not securely supported. If the cut-off piece or workpiece tips, it can lift the lower guard or be thrown by the spinning blade.
13. **Do not use another person as a substitute for a table extension or as additional support.** Unstable support for the workpiece can cause the blade to bind or the workpiece to shift during the cutting operation pulling you and the helper into the spinning blade.
14. **The cut-off piece must not be jammed or pressed by any means against the spinning saw blade.** If confined, i.e. using length stops, the cut-off piece could get wedged against them blade and thrown violently.
15. **Always use a clamp or a fixture designed to properly support round material such as rods or tubing.** Rods have a tendency to roll while being cut, causing the blade to "bite" and pull the work with your hand into the blade.
16. **Let the blade reach full speed before contacting the workpiece.** This will reduce the risk of the workpiece being thrown.
17. **If the workpiece or blade becomes jammed, turn the mitre saw off.** Wait for all moving parts to stop and disconnect the plug from the power source and/or remove the battery pack. Then work to free the jammed material. Continued sawing with a jammed workpiece could cause loss of control or damage to the mitre saw.
18. **After finishing the cut, release the switch, hold the saw head down and wait for the blade to stop before removing the cut-off piece.** Reaching with your hand near the coasting blade is dangerous.
19. **Hold the handle firmly when making an incomplete cut or when releasing the switch before the saw head is completely in the down position.** The braking action of the saw may cause the saw head to be suddenly pulled downward, causing a risk of injury.

Battery tool use and care

1. **Prevent unintentional starting.** Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the power tool. Carrying the power tool with your finger on the switch or energizing power tool that have the switch on invites accidents.
2. **Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tool.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
3. **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
4. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
5. **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
6. **Under abusive conditions, liquid may be ejected from the battery; avoid contact.** If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
7. **Do not use a battery pack or power tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
8. **Do not expose a battery pack or power tool to fire or excessive temperature.** Exposure to fire or temperature above 140°F may cause explosion.

9. **Follow all charging instructions and do not charge the battery pack or power tool outside of the temperature range specified in the instructions.** *Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.*
10. **Have servicing performed by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the product is maintained.*
11. **Do not modify or attempt to repair the power tool or the battery pack except as indicated in the instructions for use and care.**

12.  The battery Charger gets hot during use. The Charger's heat can build up to unsafe levels and create a fire hazard if it does not receive adequate ventilation, due to an electrical fault, or if it is used in a hot environment. Do not place the Charger on a flammable surface. Do not obstruct any vents on the Charger. **Especially avoid placing the Charger on carpets and rugs; they are not only flammable, but they also obstruct vents under the Charger.** Place the Charger on a stable, solid, nonflammable surface (such as a stable metal workbench or concrete floor) at least 1 foot away from all flammable objects, such as drapes or walls. Keep a fire extinguisher and a smoke detector in the area. Frequently monitor the Charger and Battery Pack while charging.

13. Lithium Battery Safety Warnings



LITHIUM BATTERIES STORE A LARGE AMOUNT OF ENERGY AND WILL VENT FIRE OR EXPLODE IF MISTREATED:

- a. Keep Battery Pack dry.
- b. **DO NOT DO ANY OF THE FOLLOWING TO THE BATTERY PACK:**
 - Open,
 - Drop,
 - Short-circuit,
 - Puncture,
 - Incinerate, or
 - **Expose to temperatures greater than 140°F.**
- c. Charge Battery Pack only according to its Charger's instructions.
- d. Inspect Battery Pack before every use; do not use or charge if damaged.

Vibration Safety

This tool vibrates during use.

Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders.

To reduce the risk of vibration-related injury:

- a. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
- b. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
- c. Use tools with the lowest vibration when there is a choice between different processes.
- d. Include vibration-free periods each day of work.
- e. Grip workpiece as lightly as possible (while still keeping safe control of it). Let the tool do the work.
- f. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

GROUNDING

⚠ WARNING



TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING: Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the charger. Do not use the charger if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

Extension Cords

Note: Extension cords must not be used with this item's Charger.

Warning Symbols and Definitions

 This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

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

⚠ CAUTION Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE Addresses practices not related to personal injury.

Symbology

V	Volts
	Direct Current
A	Amperes
n_0 xxxx/min.	No Load Revolutions per Minute (RPM)
	WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved safety goggles with side shields.
	Read the manual before set-up and/or use.
	WARNING marking concerning Risk of Fire. Do not cover Charger ventilation ducts. Charge on fireproof surface only.
	WARNING marking concerning Risk of Electric Shock. Properly connect Charger's power cord to appropriate outlet.
	Keep hands clear of fence area.
	DANGER marking concerning Risk of Amputation. Keep hands well clear of cutting area.
	Bright Light. To prevent eye injury, do not stare into light.

SPECIFICATIONS

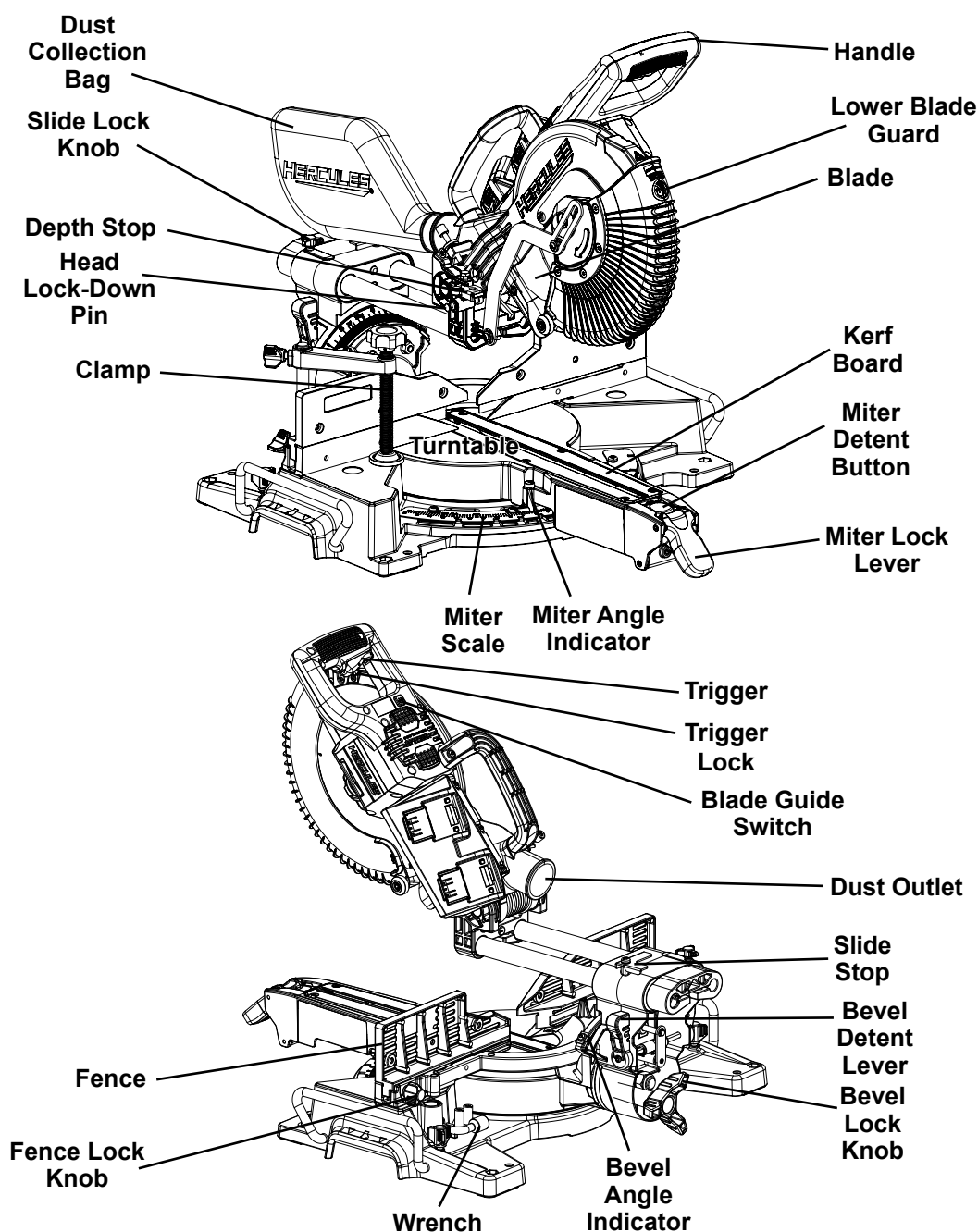
Battery Type	Hercules 20V Li-Ion 57373 (sold separately)*
Charger Type	Hercules 20V Li-Ion 56559 (sold separately)
Electrical Rating	40VDC
Spindle No Load Speed	n_0 : 4200/min
Blade Diameter	10"
Arbor	5/8" Round
Maximum Blade Kerf	0.13"
Capacity of Cut	50° Miter Left 60° Miter Right 45° Bevel Left and Right

*Requires two 20V batteries

Cutting Capacities

ANGLE	FRONT FENCE		REAR FENCE	
0° Miter	Height	3-9/16"	Height	2-9/16"
	Width	12-1/8"	Width	15-1/8"
45° Miter	Height	3-9/16"	Height	2-9/16"
	Width	8-5/8"	Width	11-5/8"
45° Bevel Left	Height	2-3/8"	Height	7/8"
	Width	12-1/4"	Width	15-3/4"
45° Bevel Right	Height	1-1/2"	Height	1/2"
	Width	12-1/8"	Width	15-3/4"

Functional Description



SETUP - BEFORE USE:



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Charging

Charge battery packs after unpacking and before using this tool. Follow instructions included with battery charger.

Installing and Removing Batteries

1. Fully charge batteries.
2. Check fuel gauges by pressing buttons on back of batteries. Four lights equal 100%. Three lights equal 75%. Two lights equal 50%. One light equals 25%.
3. Install two batteries into top of Handle, making sure they click in place securely.
4. To remove batteries, press release buttons and remove batteries.

Assembly

Slip Dust Collection Bag over Bracket and Dust Outlet behind the saw.

Mounting

1. Use bolt holes in Base to mount Miter Saw to a stable support before use.

Note: Mounting holes are provided in two sizes to accommodate different sizes of hardware. Mounting hardware sold separately.

2. Ensure miter saw is always stable and secure (e.g. fixed to a bench).

Saw Blade Selection

1. Any saw blade that will be used must be marked as suitable for the material to be cut.
2. Use only a saw blade diameter in accordance with the markings on the saw. See table in Specifications for arbor diameter and the maximum kerf of saw blade.
3. Use only saw blades marked with a speed equal or higher than the speed marked on the tool.

Guard Setup

Check that the Lower Blade Guard is in place, moves freely, and closes instantly.

OPERATING INSTRUCTIONS



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

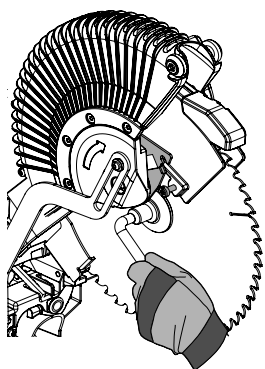
⚠ WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

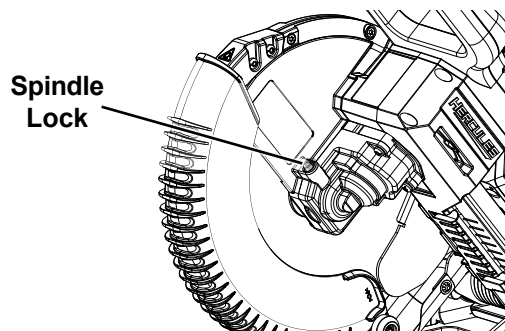
Make sure that the Trigger is in the off-position and remove its Battery Packs before performing any procedure in this section.

Tool Changing

1. Remove battery packs.
2. Pull out Head Lock-Down Pin, raise Saw Head to upper position, then raise Lower Blade Guard out of the way and hold it up.
3. Loosen Guard Plate Screw until disengaged from Guard Plate. Swing Guard Plate up and out of way.



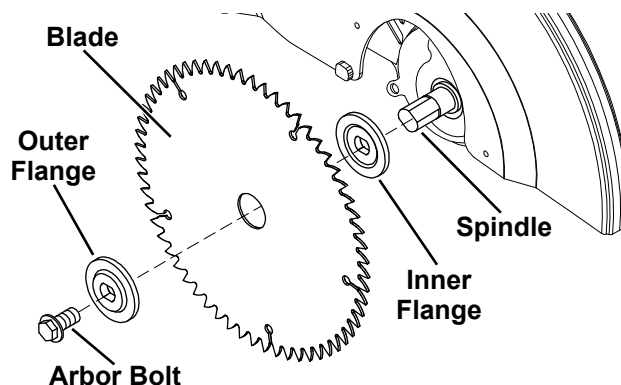
4. Press in Spindle Lock and hold it in.



5. Remove Arbor Bolt and Outer Flange.

IMPORTANT: The Arbor Bolt has a left-handed thread and removes by turning CLOCKWISE.

Note: Make sure Inner Flange stays in place on the Spindle.



6. If replacing a used blade, remove blade. Install new Blade. Make sure that Blade's rotation arrow points in same direction as rotation arrow on Lower Blade Guard.
7. Replace Outer Flange and Arbor Bolt. Position cupped side of Flange against blade. Hold in Spindle Lock and wrench tighten Arbor Bolt by turning it counterclockwise. Release Spindle Lock.
8. Rotate Guard Plate back into place and secure it with Guard Plate Bolt.

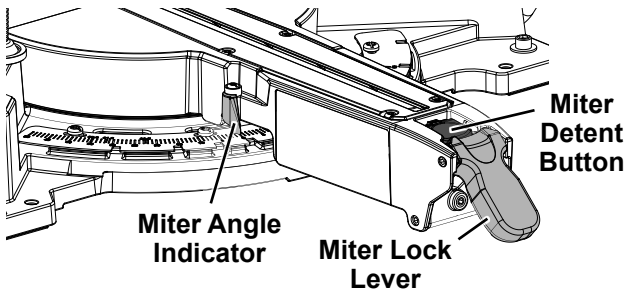
WARNING! TO PREVENT SERIOUS INJURY: Make sure the Lower Blade Guard operates smoothly and properly protects from the Blade before using the saw.

Adjusting the Miter Angle

A miter cut is one that is at an angle across the horizontal surface of the material. 45° miter cuts to join two pieces in a right angle corner are common. A 30° cut is often used for a scarf joint or to make a chamfered end.

1. Pull up on Miter Detent Lever to unlock Turntable. Press Miter Detent Button down, and move Turntable to desired angle.

2. The Miter Angle Indicator will indicate the selected angle. With Miter Detent Button released, Turntable will lock into place at often used miter angles, including 15°, 22.5°, 31.6°, and 45° on left and right sides, and 60° on right side.

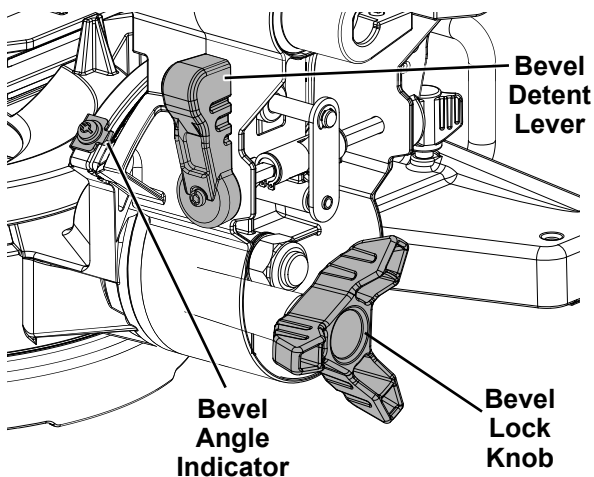


3. To override pre-set detents (stops) for micro adjustments at any angle, pull up on Miter Detent Lever and press Miter Detent Button down and forward to lock it out. Adjust Turntable to any position on miter scale. Push Miter Detent Lever down to lock in place. Pull Miter Detent Button back to release and allow Turntable to lock into detent positions.
4. With Turntable adjusted to desired angle, place workpiece flush against Fence, secure it with Clamp, and make the cut.

Adjusting the Bevel Angle

A bevel cut is one that is at an angle vertically. Bevel cuts can be used to miter relatively wide and thin material. Bevel cuts can be used in combination with a miter cut to form a compound angle. Compound angle cuts are often used in crown moldings, picture frames and similar trim materials.

1. Loosen Bevel Lock Knob at rear of saw.
2. For micro adjustments at any bevel angle, push the Bevel Detent Lever back until it snaps into place and move Saw Head Assembly to desired angle. Read angle on the Bevel Angle Indicator.



3. To use pre-set detents (stops), push Bevel Detent Lever back until Saw Head Assembly can be moved and then release Lever. Saw Head Assembly will lock into place at often used bevel angles, including 22.5°, 33.9°, and 45° on both left and right sides.

4. Lock Saw Head Assembly into position by rotating Bevel Lock Knob clockwise. Tighten firmly but do not over-tighten.
5. Make a sample cut in a piece of scrap to confirm that bevel angle is correct. If it is not, correct angle before cutting.

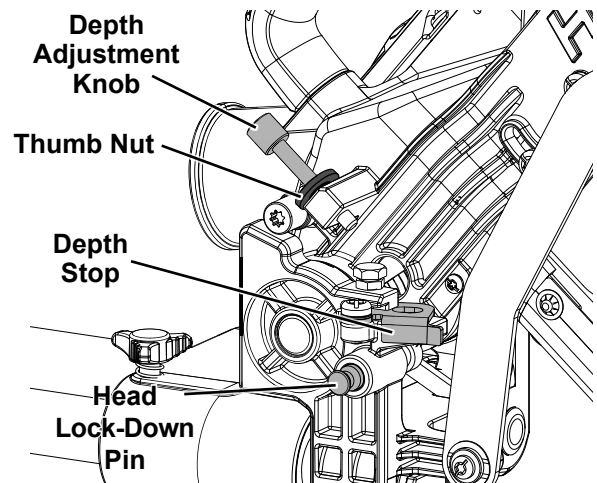
WARNING! TO PREVENT SERIOUS INJURY:

Adjust both sides of the Fence clear of the Blade's cutting path after making any adjustment to the cutting angle. Move the Blade through its full range of motion to ensure the Fences are clear.

Using the Depth Stop

If a kerfing or rabbet cut which does not cut through the workpiece is desired, use the Depth Stop to control the depth of the cut.

1. Pull out Head Lock-Down Pin and raise Saw Head Assembly.
2. Pull down on Saw Head to check current setting.



3. To change setting, first loosen Thumb Nut on Depth Adjustment Knob. Pull Depth Stop outward. Turn Depth Adjustment Knob clockwise to increase depth and counterclockwise to decrease depth. Tighten Thumb Nut after adjustment.
4. Push Depth Stop inward to disengage.

Aligning the Fence

1. After adjusting miter, bevel, or depth setting, check and adjust both sides of fence.
2. Loosen one of the Fence Knobs, and move its Sliding Fence to be within 1/8" of blade.
3. Tighten Fence Knob. Make sure Sliding Fence still does not contact Blade.
4. Repeat process for other Fence Knob and Sliding Fence.

Workpiece and Work Area Set Up

1. Designate a work area that is clean and well lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. Secure loose workpieces using included Clamp or other clamping devices (sold separately) to prevent movement while working.

3. There must not be objects, such as utility lines, nearby that will present a hazard while working.
4. Cut only the following materials:
dimensional lumber, plywood, particle board, plastic.

Note: Use caution to avoid overheating the cutting tips. If cutting plastic, cut at an even pace to avoid melting it.

5. Allow room on both left and right sides of saw for extended workpieces.
6. Use additional supports if needed to ensure stability of workpiece. Mount Saw so surface is level to the ground, and additional supports to provide a surface on same level as saw Turntable. If work surface and any workpiece supports are not level, and on same level, unwanted bevel angles will appear in the cuts resulting in poor joinery.
7. Secure workpieces to saw Turntable using included Clamp or other clamping devices (sold separately). Securing workpiece will provide safety by preventing kick back and by removing the need to hold workpieces near the blade by hand. Clamping the workpiece will also improve cutting accuracy by preventing workpiece from moving during cutting operation.

General Instructions for Use

1. Make sure that the Trigger is in the off-position, then attach the Battery Packs.

Sliding Miter Saw Cutting Procedure:

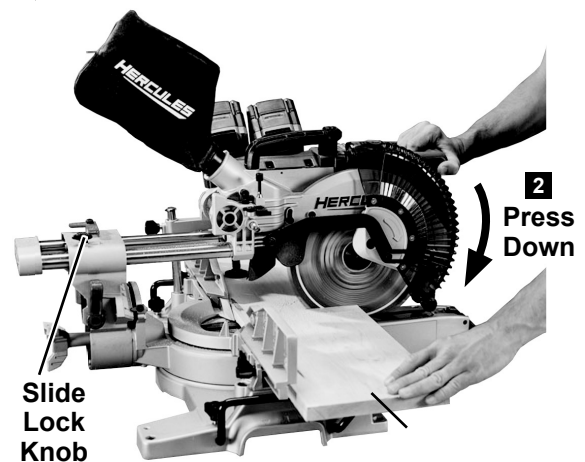
2. Press Saw Head down and pull out Head Lock-Down Pin.
3. Check all adjustment knobs are tight (Miter Lock Lever, Bevel Lock Knob, and Fence).
4. Blow any sawdust or debris away from Fence. Place workpiece against Fence.
5. **Aligning cut WITH Blade Guide:** Turn Blade Guide switch to ON. Pull Saw Head down close to workpiece until Blade shadow appears on workpiece. Align marked location of cut on workpiece with edge of Blade shadow.
6. **Aligning cut WITHOUT Blade Guide:** Align marked location of cut on workpiece with Blade. To prevent workpiece from being cut too short, align edge of Blade with measured mark, keeping remainder of Blade on waste side of cut.
7. Hold workpiece in place using Clamp. Ensure workpiece is level and supported securely. Use saw horses or supports if necessary.



DANGER! TO PREVENT SERIOUS INJURY AND DEATH: Saws can quickly amputate fingers if misused. Keep hands well clear of cutting area.

8. Grip Saw Handle, simultaneously squeeze Trigger Lock (small tab projecting from Trigger) and Trigger to start the Saw.
9. Use one hand and hold workpiece securely against Turntable and Fence at all times.
10. **Narrow workpiece:** Press down lightly to cut workpiece. Press straight down, “chopping” the material. Do not bear down on material—use light downward pressure. If material binds the Blade, release Trigger.
11. **Wide workpiece:** Move Blade across workpiece while cutting as follows:
 - a. Loosen Slide Lock Knob and pull Saw Head forward.
 - b. Press down Saw Handle.
 - c. Push Saw Head toward rear to cut.

1 Pull Forward →
← **3 Push Toward Rear to Cut**



- d. Do not bear down on material—use light downward and lateral pressure. If material binds the Blade, release Trigger.
12. When cut is completed, raise Saw Head, release Trigger, wait for Blade to stop turning, release Clamp and remove workpiece.
13. To prevent accidents, turn off the tool and remove its Battery Packs after use. Clean, then store the tool indoors out of children’s reach.
14. Lock the head down and lock all other adjustments before moving the saw. Use the handle cut outs on each end of the Turntable base to lift and support Saw while moving it.

MAINTENANCE AND SERVICING INSTRUCTIONS



Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠ WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

Make sure that the Trigger is in the off-position and remove its Battery Packs before performing any procedure in this section.

TO PREVENT SERIOUS INJURY

FROM TOOL FAILURE: Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

- BEFORE EACH USE**, inspect the general condition of the tool. Check for:
 - leaking, swollen, or cracked battery packs,
 - loose hardware,
 - misalignment or binding of moving parts,
 - cracked or broken parts, and
 - any other condition that may affect its safe operation.
- AFTER USE**, wipe external surfaces of the tool with clean cloth. Carefully clean the dust collection chute and the area around the Lower Blade Guard. Check that the Lower Blade Guard moves smoothly through its entire range of movement, without sticking.
- Li-Ion BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.
Do not short, incinerate or open battery.
- Disconnect battery packs and store battery packs, charger, and tool in dry, indoor area out of reach of children and away from metal objects (i.e., paperclips, coins) to prevent shorting.

Troubleshooting

Problem	Possible Causes	Likely Solutions
Tool will not start.	1. Battery Packs not properly connected. 2. Battery Packs not properly charged. 3. Battery Packs burnt-out. 4. Internal damage or wear. (Trigger, for example.)	1. Remove Battery Pack, make sure there are no obstructions, reinsert the Battery Packs according to its shape (it should only fit one way), and press firmly until the Battery Packs lock in place. 2. Make sure Charger is connected and operating properly. Give enough time for Battery Packs to recharge properly. 3. Dispose of old Battery Packs properly or recycle. Replace Battery Packs. 4. Have technician service tool.
Tool operates slowly.	1. Forcing tool to work too fast. 2. Battery Packs wearing out.	1. Allow tool to work at its own rate. 2. Dispose of old Battery Packs properly or recycle. Replace Battery Packs.
Excessive noise or rattling.	Internal damage or wear (bearings, for example).	Have technician service tool.
Overheating.	1. Forcing tool to work too fast. 2. Blocked motor housing vents.	1. Allow tool to work at its own rate. 2. Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air.



Follow all safety precautions whenever diagnosing or servicing the tool.
Disconnect Battery Packs and Charger power supply before service.

Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts. Visit harborfreight.com/parts for a list of in stock parts. Reference UPC 193175420879.

5-YEAR LIMITED WARRANTY

This Hercules tool is warranted to the original purchaser to be free from defects in materials and workmanship for a period of five (5) years beginning on the date of purchase. This warranty does not cover battery packs and battery chargers, which are covered under separate warranties. To obtain warranty service, visit your local Harbor Freight retail store. Warranty registration is not required. The product or part must be returned to us with proof of purchase (e.g. in-store receipt or packing slip/invoice) and may require shipment by purchaser to a service center at purchaser's expense. If our inspection verifies a covered defect in materials or workmanship during the warranty period, we will, at our option, repair or replace the defective product. We will return repaired products within a reasonable time at our expense, but if we determine that there is no defect, or that the defect resulted from causes not within the scope of our warranty, then we will return the product to you if you pay return shipping costs.

This warranty does not cover any failure or damage that we determine is due directly or indirectly to normal wear and tear, misuse, use not for the intended purpose or not in accordance with the product manual, abuse, accident, rental, modification or alteration, unauthorized repair, improper installation, neglect, lack of maintenance, or any other failure not arising from defective materials or workmanship. Fraudulent returns or claims will be denied. The repair or replacement described in this warranty shall be your sole and exclusive remedy. THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES, WRITTEN OR ORAL, AND ANY IMPLIED WARRANTIES ARE DISCLAIMED TO THE EXTENT PERMITTED BY LAW AND OTHERWISE LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN. HARBOR FREIGHT SHALL NOT BE LIABLE UNDER ANY CIRCUMSTANCES FOR ANY INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES OR COSTS ARISING FROM THIS WARRANTY OR THE USE OF THIS PRODUCT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THESE LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

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