

Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

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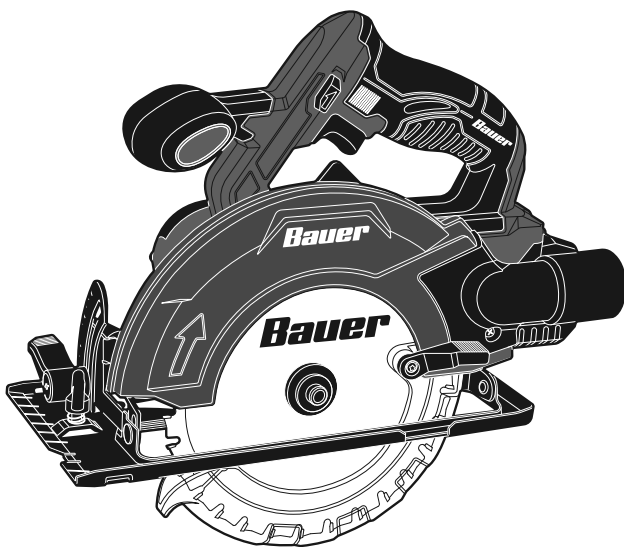
Bauer™

2072C-B

20V

HYPERMAX™ LITHIUM

**For Best Results,
Use 3.0 Amp
Hour Battery
(Sold Separately)**



6-1/2" CORDLESS CIRCULAR SAW

Visit our website at: <http://www.harborfreight.com>
Email our technical support at: productsupport@harborfreight.com

57504

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.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠ WARNING






Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.

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Bauer™

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. |
|  | Indicates a hazardous situation which, if not avoided, will result in death or serious injury. |
|  | Indicates a hazardous situation which, if not avoided, could result in death or serious injury. |
|  | Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury. |
|  | Addresses practices not related to personal injury. |

IMPORTANT SAFETY INFORMATION

General Power Tool Safety Warnings

WARNING

Read all safety warnings and all instructions.

Failure to follow the warnings and instructions 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 battery-operated (cordless) power tool.

Work Area Safety

- Keep work area clean and well lit.**
Cluttered or dark areas invite accidents.
- 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.*
- Keep children and bystanders away while operating a power tool.**
Distractions can cause you to lose control.

Electrical Safety

Do not expose power tools to rain or wet conditions.
Water entering a power tool will increase 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 Trigger is in the off-position before connecting to power source, picking up or carrying the tool.
Carrying power tools with your finger on the Trigger or energizing power tools that have the Trigger 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. 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.

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 Trigger does not turn it on and off.
Any power tool that cannot be controlled with the Trigger is dangerous and must be repaired.

3. Disconnect the battery pack 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. 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.

Battery tool use and care

1. **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.*
2. **Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
3. **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.*
4. **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.*

Service

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.

Circular Saw Safety Warnings

1. **▲DANGER:** Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing. *If both hands are holding the saw, they cannot be cut by the blade.*
2. **Do not reach underneath the workpiece.** *The guard cannot protect you from the blade below the workpiece.*
3. **Adjust the cutting depth to the thickness of the workpiece.** *Less than a full tooth of the blade teeth should be visible below the workpiece.*
4. **Never hold piece being cut in your hands or across your leg. Secure the workpiece to a stable platform.** *It is important to support the work properly to minimize body exposure, blade binding, or loss of control.*
5. **Hold power tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** *Contact with a "live" wire will also make exposed metal parts of the power tool "live" and shock the operator.*
6. **When ripping always use a rip fence or straight edge guide.** *This improves the accuracy of cut and reduces the chance of blade binding.*
7. **Always use blades with correct size and shape (diamond versus round) of arbor holes.** *Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.*
8. **Never use damaged or incorrect blade washers or bolt.** *The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.*

9. Causes and Operator Prevention of Kickback:


- Kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator;
- When the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator;
- If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.

Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

- Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade.** *Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.*
- When blade is binding, or when interrupting a cut for any reason, release the Trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur.** *Investigate and take corrective actions to eliminate the cause of blade binding.*
- When restarting a saw in the workpiece, center the saw blade in the kerf and check that saw teeth are not engaged into the material.** *If saw blade is binding, it may walk up or kickback from the workpiece as the saw is restarted.*
- Support large panels to minimize the risk of blade pinching and kickback.** *Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.*
- Do not use dull or damaged blades.** *Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.*
- Blade depth and bevel adjusting locking levers must be tight and secure before making cut.** *If blade adjustment shifts while cutting, it may cause binding and kickback.*

- Use extra caution when making a "plunge cut" into existing walls or other blind areas.** *The protruding blade may cut objects that can cause kickback.*

- Check lower guard for proper closing before each use. Do not operate the saw if lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position.** *If saw is accidentally dropped, lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.*
- Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use.** *Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.*
- Lower guard should be retracted manually only for special cuts such as "plunge cuts" and "compound cuts."** *Raise lower guard by retracting handle and as soon as blade enters the material, the lower guard must be released. For all other sawing, the lower guard should operate automatically.*
- Always observe that the lower guard is covering the blade before placing saw down on bench or floor.** *An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after Trigger is released.*
- DO NOT USE THIS SAW WITH THE SAW HELD UPSIDE DOWN IN A VISE.** *The saw is not designed for such use and cannot be used safely in that position.*
- Do not use to cut logs, tree limbs, or uneven lumber.**
- Wet lumber, green (unseasoned) lumber, and pressure treated lumber all have an increased potential for kickback and should only be cut with a blade for cutting that lumber type.** *Wear a NIOSH-approved respirator and have appropriate ventilation whenever cutting pressure treated lumber.*
- Do not use blades made from high-speed steel, abrasive blades, metal-cutting blades or masonry-cutting blades.** *The guards of this saw are not designed to protect against the failure of such blades.*
- Place the larger portion of the saw base on the larger, supported part of the workpiece.** *This will help maintain balance and control while the cut is completed.*

19. Blades must be rated to at least the maximum speed marked on the tool.
20. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
21. Avoid unintentional starting. Prepare to begin work before turning on the tool.
22. Do not lay the tool down until it has come to a complete stop. Moving parts can grab the surface and pull the tool out of your control.
23. When using a handheld power tool, maintain a firm grip on the tool with both hands to resist starting torque.
24. Do not depress the spindle lock when starting or during operation.
25. Do not leave the tool unattended when the Battery Pack is connected. Turn off the tool, and remove the Battery Pack before leaving.
26.  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.

27. This product is not a toy. Keep it out of reach of children.
28. 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.
29. 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.

Lithium Battery Safety Warnings



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



1. **Keep Battery Pack dry.**
2. **DO NOT DO ANY OF THE FOLLOWING TO THE BATTERY PACK:**
 - a. **Open,**
 - b. **Drop,**
 - c. **Short-circuit,**
 - d. **Puncture,**
 - e. **Incinerate, or**
 - f. **Expose to temperatures greater than 140°F.**
3. Charge Battery Pack only according to its Charger's instructions.
4. 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:

1. 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 symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.

2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.

4. Use tools with the lowest vibration when there is a choice.
5. Include vibration-free periods each day of work.
6. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.
7. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.



SAVE THESE INSTRUCTIONS.

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.

Symbology

| | | | |
|-----------------|---|--|--|
| | Double Insulated | | Read the manual before set-up and/or use. |
| | Volts | | WARNING marking concerning Risk of Fire. Do not cover Charger ventilation ducts. Charge on fireproof surface only. |
| | Alternating Current | | WARNING marking concerning Risk of Electric Shock. Properly connect Charger's power cord to appropriate outlet. |
| | Amperes | | WARNING marking concerning Risk of Explosion. Do not puncture, short, or open battery packs and do not charge damaged battery packs. |
| 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. | | |

Specifications

| | |
|------------------------|------------------------------------|
| Battery | Bauer 20V Li-ion (sold separately) |
| Charger | Bauer 20V Li-ion (sold separately) |
| No Load Speed | 4000 RPM |
| Maximum Blade Diameter | 6-1/2" (165mm) |
| Arbor | 5/8" round |

BauerTM

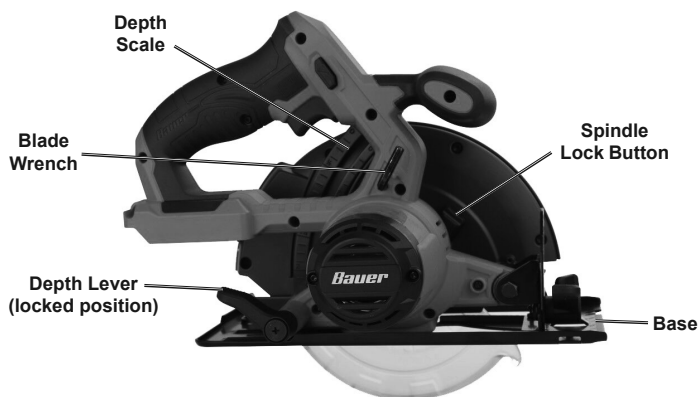
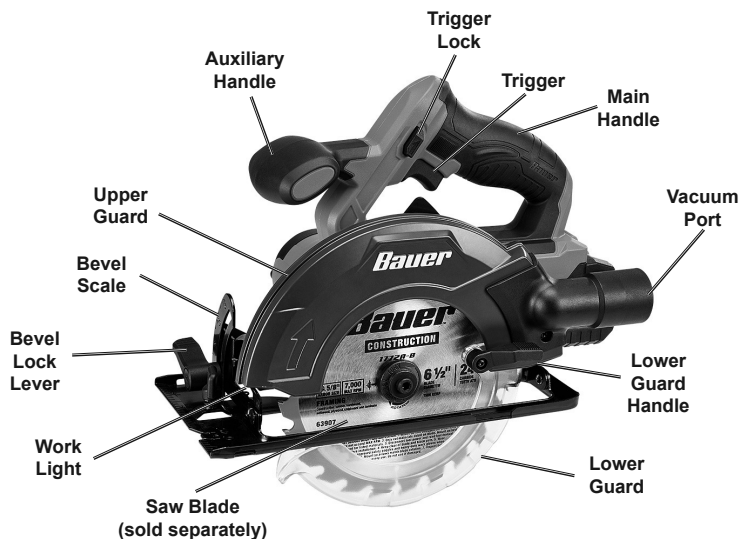
Setup - Before Use:



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.

Note: For additional information regarding the parts listed in the following pages, refer to *Parts List and Diagram* on page 14.

Functions



SAFETY

SETUP

OPERATION

MAINTENANCE

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.

Tool Set Up

⚠ WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

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

TO PREVENT SERIOUS INJURY FROM FLYING FRAGMENTS:

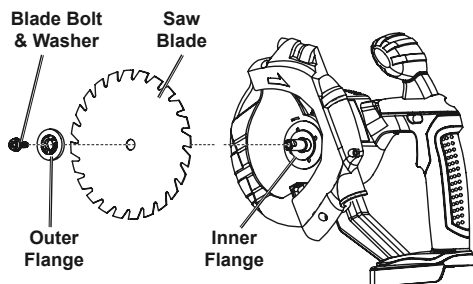
Do not use blades made from high-speed steel, abrasive blades, or metal- or masonry-cutting blades. The guards of this saw are not designed to protect against the failure of such blades.

Battery Charging

Charge battery before using this tool. Follow instructions included with battery charger. Battery pack and charger sold separately.

Mounting and Removing Blade (sold separately)

1. Remove Blade Wrench from handle bracket above motor.
2. Hold down Spindle Lock Button while removing the Blade Bolt and Washer with Blade Wrench, turning Bolt **CLOCKWISE**.
3. Remove Outer Flange.
4. Use the Lower Guard Handle to raise the Guard and remove the Blade. Leave the inner flange in place.
5. Install the new blade, with the directional arrow on the blade pointing the same as the directional arrow on the Upper Guard.
6. Place the Outer Flange on the spindle.
7. Hold down Spindle Lock Button and replace Blade Bolt and Washer with Blade Wrench, turning Bolt counterclockwise. Tighten Bolt securely.
8. Replace Blade Wrench to handle bracket above motor.



Adjusting Depth

1. Set the Base flat against the edge of the workpiece.
2. Raise the Depth Lever to allow the depth of cut to be adjusted.
3. Use Depth Scale to set depth of cut.

WARNING! To reduce the risk of serious injury, adjust the depth of cut to just barely clear the workpiece and remove shavings.

4. After adjustment, tighten Depth Lever.

WARNING! TO PREVENT SERIOUS INJURY: Tighten Depth Lever before use.

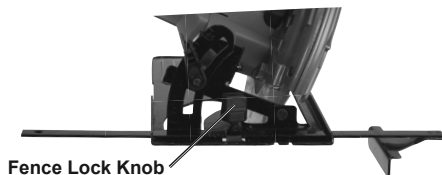
Adjusting Bevel

1. Loosen Bevel Lock Lever to allow the angle of cut to be adjusted.
2. Use Bevel Scale to set the desired angle.
3. After adjustment, tighten Bevel Lock Lever.

WARNING! TO PREVENT SERIOUS INJURY: Tighten Bevel Lock Knob before use.

Adjusting Fence

1. Loosen Fence Lock Knob and slide the Fence to the desired width of cut.



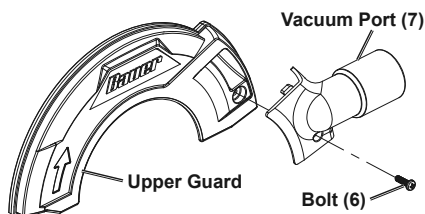
Note: The ruler on the fence shows the approximate width of cut.

2. If needed, remove the Fence entirely. Otherwise, tighten the Fence Lock Knob after adjustment.

WARNING! TO PREVENT SERIOUS INJURY:
Tighten Fence Lock Knob before use.

Attaching Vacuum Port

Attach Vacuum Port (7) to Upper Guard using Bolt (6). Tighten Bolt securely.



Workpiece and Work Area Set Up

1. Workpiece selection:
 - a. Workpiece must be free of foreign objects and loose knots.
 - b. Do not use to cut logs, tree limbs, or uneven lumber.
 - c. Wet lumber, green (unseasoned) lumber, and pressure treated lumber all have an increased potential for kickback and should only be cut with a blade designed for cutting that lumber. Wear a NIOSH-approved respirator and have appropriate ventilation whenever cutting pressure treated lumber.
2. 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.
3. Secure loose workpieces using a vise or clamps (not included) to prevent movement while working.
4. There must not be objects, such as utility lines, nearby that will present a hazard while working. This is especially critical for plunge cuts.

General Operating Instructions

1. Make sure that the Trigger is locked, then attach the fully charged Battery Pack into the Saw making sure it clicks into place securely.
 2. **Make sure that all guards are in place and in proper working order and that all adjustment knobs are tight before operation.**
 3. Hold the Saw with one hand on the Main Handle and the other hand on the Auxiliary Handle.
 4. Align Saw on cut line with the larger part of the workpiece to the left of the Saw Blade.
 5. Push in and hold Trigger Lock on either side, then press Trigger.
 6. Allow the Blade to come up to full speed before contacting the workpiece.
- Note:** When cutting across the grain, wood fibers can lift and tear. Move the Saw slowly to minimize any tearing.
7. After completing the cut, release the Trigger. Make sure that the Lower Guard closes immediately.
- CAUTION! After use, remove Battery Pack and clean inside Upper Guard. Sawdust accumulation interferes with Lower Guard operation.**
8. To prevent accidents, turn off the tool and remove its Battery Pack after use. Clean, then store the tool indoors out of children's reach.

Maintenance and Servicing



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 Pack 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

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for:
 - leaking, swollen, or cracked battery pack,
 - loose hardware,
 - misalignment or binding of moving parts,
 - cracked or broken parts, and
 - any other condition that may affect its safe operation.
2. **AFTER USE**, wipe external surfaces of the tool with clean cloth.
3. For blade changing instructions see Tool Set Up on page 10.
4. Disconnect battery pack and store battery pack, 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. | <div>1. Battery Pack not properly connected.</div> <div>2. Battery Pack not properly charged.</div> <div>3. Battery Pack burnt-out.</div> <div>4. Internal damage or wear. (Carbon brushes or Trigger, for example.)</div> | <div>1. Remove Battery Pack, make sure there are no obstructions, reinsert the Battery Pack according to its shape (it should only fit one way), and press firmly until the Battery Pack locks in place.</div> <div>2. Make sure Charger is connected and operating properly. Give enough time for Battery Pack to recharge properly.</div> <div>3. Dispose of old Battery Pack properly or recycle. Replace Battery Pack.</div> <div>4. Have technician service tool.</div> |
| Tool operates slowly. | <div>1. Forcing tool to work too fast.</div> <div>2. Battery Pack wearing out.</div> | <div>1. Allow tool to work at its own rate.</div> <div>2. Dispose of old Battery Pack properly or recycle. Replace Battery Pack.</div> |
| Performance decreases over time. | <div>1. Carbon brushes worn or damaged.</div> <div>2. Blade dull or damaged.</div> | <div>1. Have qualified technician replace brushes.</div> <div>2. Keep blades sharp. Replace as needed.</div> |
| Excessive noise or rattling. | Internal damage or wear. (Carbon brushes or bearings, for example.) | Have technician service tool. |
| Overheating. | <div>1. Forcing tool to work too fast.</div> <div>2. Blade misaligned.</div> <div>3. Blade dull or damaged.</div> <div>4. Blocked motor housing vents.</div> | <div>1. Allow tool to work at its own rate.</div> <div>2. Check and correct blade to fence alignment.</div> <div>3. Keep blades sharp. Replace as needed.</div> <div>4. Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air.</div> |
| <div><div></div><div>Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect Battery Pack and Charger power supply before service.</div></div> | | |

SAFETY

SETUP

OPERATION

MAINTENANCE

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Parts List

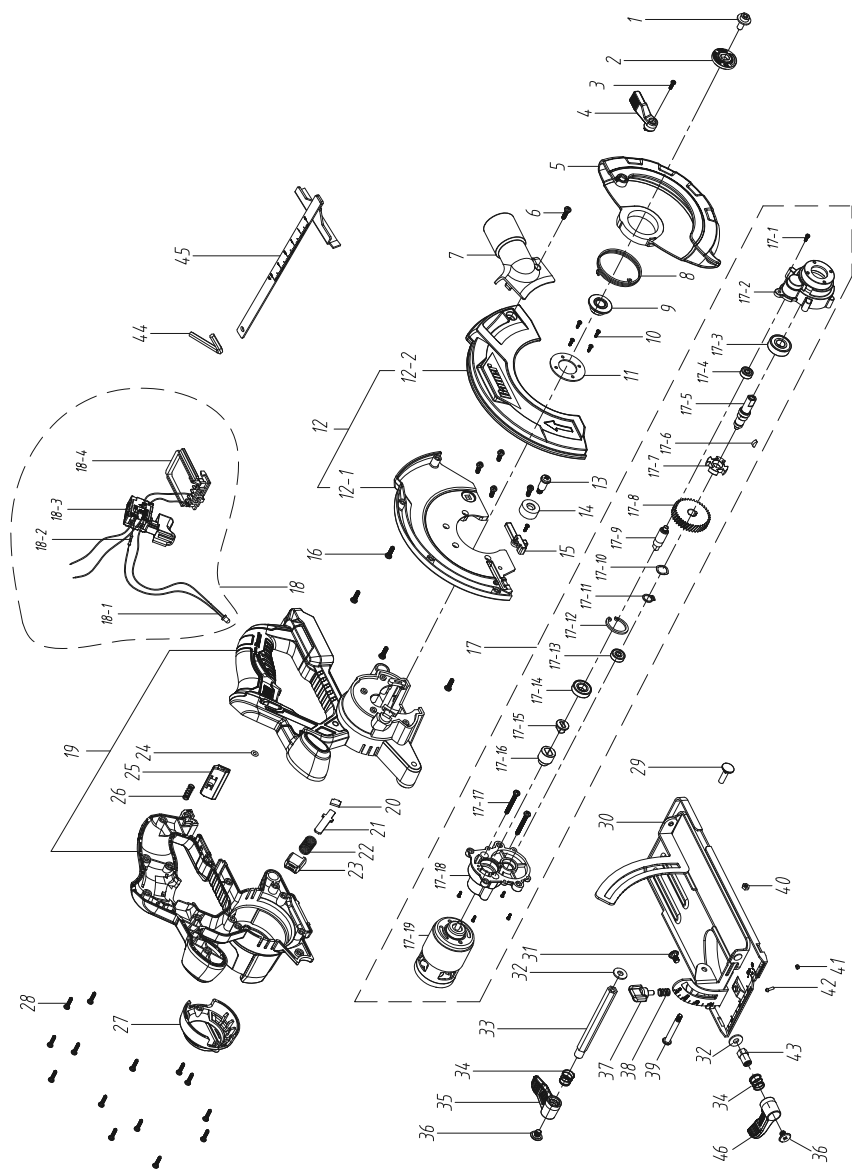
| Part | Description | Qty | Part | Description | Qty |
|-------|----------------------------|-----|-------|----------------------------|-----|
| 1 | Blade Bolt | 1 | 17-18 | Gearbox Upper Cover | 1 |
| 2 | Outer Flange | 1 | 17-19 | Motor | 1 |
| 3 | Tapping Screw | 1 | 18-1 | Work Light | 1 |
| 4 | Lower Guard Handle | 1 | 18-2 | Resistance | 1 |
| 5 | Lower Guard | 1 | 18-3 | Switch Assembly | 1 |
| 6 | Bolt | 1 | 18-4 | Battery Protection Board | 1 |
| 7 | Vacuum Port | 1 | 19 | Housing | 1 |
| 8 | Torsion Spring | 1 | 20 | Wool Felt | 1 |
| 9 | Inner Flange | 1 | 21 | Spindle Lock Plate | 1 |
| 10 | Tapping Screw | 5 | 22 | Spindle Lock Return Spring | 1 |
| 11 | Movable Guard Fixing Plate | 1 | 23 | Spindle Lock Button | 1 |
| 12-1 | Left Upper Guard | 1 | 24 | O-Ring | 1 |
| 12-2 | Right Upper Guard | 1 | 25 | Trigger Lock | 1 |
| 13 | Bolt | 1 | 26 | Trigger Lock Return Spring | 1 |
| 14 | Ring | 1 | 27 | Motor Tail Cover | 1 |
| 15 | Work Light Plate | 1 | 28 | Screw | 18 |
| 16 | Bolt | 4 | 29 | Bolt | 1 |
| 17-1 | Bolt | 5 | 30 | Baseplate Assembly | 1 |
| 17-2 | Gearbox Lower Cover | 1 | 31 | Bolt | 1 |
| 17-3 | Bearing 6000RS | 1 | 32 | Washer | 2 |
| 17-4 | Bearing 605RS | 1 | 33 | Long Nut | 1 |
| 17-5 | Large Gear Shaft | 1 | 34 | Spring | 2 |
| 17-6 | Woodruff Key | 1 | 35 | Depth Lever | 2 |
| 17-7 | Locking Block | 1 | 36 | Bolt | 2 |
| 17-8 | Large Gear | 1 | 37 | Fence Lock Knob | 1 |
| 17-9 | Motor Gear | 1 | 38 | Spring | 1 |
| 17-10 | Spacer | 1 | 39 | Shaft Bolt | 1 |
| 17-11 | Circlip For Shaft | 1 | 40 | Nut M5 | 1 |
| 17-12 | Circlip For Hole | 1 | 41 | Nut M3 | 1 |
| 17-13 | Bearing 625RS | 1 | 42 | Bolt | 1 |
| 17-14 | Bearing 6900RS | 1 | 43 | Nut | 1 |
| 17-15 | Sleeve | 1 | 44 | Hex Wrench | 1 |
| 17-16 | Motor Drive Connector | 1 | 45 | Fence | 1 |
| 17-17 | Bolt | 2 | 46 | Bevel Lock Lever | 1 |

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. Specify UPC 193175414014 when ordering parts.

Assembly Diagram



SAFETY

SETUP

OPERATION

MAINTENANCE

Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. 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 product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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