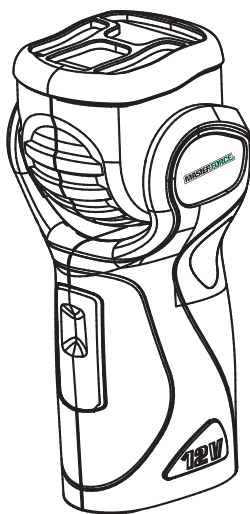


MASTERFORCE™

Operator's Manual

12 VOLT Lithium-Ion LED Worklight

Model No. 241-0316



IMPORTANT :

⚠ WARNING! To reduce the risk of injury, user must read instruction manual.

⚠ Safety symbols in this manual are used to flag possible dangers. The safety symbols and their explanations require your full understanding. The safety warnings do not, by themselves, eliminate any danger, nor are they substitute for proper accident prevention measures.

⚠ This Safety Alert Symbol indicates caution, warning, or danger. Failure to obey a safety warning can result in serious injury to yourself or others. To reduce the risk of injury, fire, or electric shock, always follow the safety precautions..

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INTRODUCTION



SAVE THESE INSTRUCTIONS!


This cordless worklight has many features for making its use more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.

SAFETY SYMBOLS


The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols and the explanations with them deserve your careful attention and understanding. The symbol warnings do not, by themselves, eliminate any danger. The instructions and warning they give are no substitutes for proper accident prevention measures.

 **WARNING!** Be sure to read and understand all safety instructions in this manual, including all safety alert symbols such as **“DANGER,” “WARNING,”** and **“CAUTION”** before using this tool. Failure to following all instructions listed below may result in electric shock, fire, and/or serious personal injury.

SYMBOL	SIGNAL	MEANING
	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, could result in minor or moderate injury.
	CAUTION:	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

⚠️WARNING: To ensure safety and reliability, all repairs should be performed by a qualified service technician at an Authorized Service Center.

	⚠️WARNING: The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and a full-face shield when needed. We recommend a Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always use eye protection which is marked to comply with ANSI Z87.1
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SAVE THESE INSTRUCTIONS

Some of these following symbols may be used on this tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and more safely.

SYMBOL	NAME	DESIGNATION/EXPLANATION
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
min	Minutes	Time
~	Alternating Current	Type of current
≡	Direct Current	Type or a characteristic of current
n_0	No Load Speed	Rotational speed, at no load
	Class II Construction	Double-insulated construction
.../min	Per Minute	Revolutions, strokes, surface speed, orbits etc., per minute

	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Read The Operator's Manual	To reduce the risk of injury, user must read operator's manual.
	Eye Protection	Always wear safety goggles or safety glasses with side shields, or a full face shield when operating this product.
	Safety Alert	Precautions that involve your safety.
	No Hands Symbol	Failure to keep your hands away from the blade will result in serious personal injury.
	No Hands Symbol	Failure to keep your hands away from the blade will result in serious personal injury.
	No Hands Symbol	Failure to keep your hands away from the blade will result in serious personal injury.
	No Hands Symbol	Failure to keep your hands away from the blade will result in serious personal injury.
	Hot Surface	To reduce the risk of injury or damage, avoid contact with any hot surface.

SAFETY INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTION


INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

⚠️ WARNING! When using electric appliances, basic precautions should always be followed, including the following.

- a) Read all the instruction before using the appliance.
- b) To reduce the risk of injury, close supervision is necessary when an appliance is used near children.

- c) Only use attachments recommended or sold by manufacturer.
- d) Do not use outdoors.
- e) For a portable appliance – To reduce the risk of electrical shock, do not put Flashlight and Battery Pack in water or other liquid. Do not place or store appliance where or can fall or be pulled into a tub or sink.

GENERAL SAFETY RULES

 **WARNING!** Read all safety warnings and 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 mains-operated (corded) power tool or battery-operated (cordless) power tool.

ELECTRICAL SAFETY

- ✓ **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.
- ✓ **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.
- ✓ **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- ✓ **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.
- ✓ **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.
- ✓ **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

BATTERY TOOL USE AND CARE

- ✓ **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.
- ✓ **Use power tools only with specifically designated battery packs.** Use of

any other battery packs may create a risk of injury and fire.

- ✓ **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.
- ✓ **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.

SPECIFIC SAFETY RULES FOR CORDLESS WORKLIGHT

- ✓ **Do not operate tool or charger near flammable liquids or in gaseous or explosive atmospheres. Internal sparks may ignite fumes.**
- ✓ **Light lens become hot during use:**
During or immediately after use, don't lay tool flat on light lens surface or place lens area in contact with a plastic or fabric covered surface.
Handle tool with care around any flammable surface.
Do not use or permit use of tool in bed or sleeping bags. This tool lens can melt fabric and a burn injury could result.
- ✓ **Do not let gasoline, oils, petroleum-based products, etc. come in contact with plastic parts. They contain chemicals that can damage, weaken, or destroy plastic.**
- ✓ **Do not stare directly at the LED or project the LED directly into the eyes of others in close distance.**
- ✓ **Use battery only with charger listed.**

Battery pack	Charger
252-8016	252-8020

- ✓ **Know your worklight.** Read the operator's manual carefully. Learn the applications and limitations, as well as the specific potential hazards related to this tool. Following this rule will reduce the risk of electric shock, fire or serious injury.
- ✓ **Do not stare into the LED worklight directly.** Avoid direct eye contact; never project the worklight to others' eyes. Failure to do so will lead serious personal injury.


- ✓ **Remove the battery pack from the Worklight** before performing any routine maintenance or cleaning.
- ✓ **Do not disassemble the Worklight.**
- ✓ **Do not place the Worklight or battery pack near fire or heat.** They may explode.
- ✓ **Do not operate the Worklight or the charger near flammable liquids or in a gaseous or explosive environment.** Internal sparks may ignite fumes.
- ✓ **To reduce the risk of electric shock,** do not put the Worklight, battery or charger in water or other liquid. Do not place or store the product where it can fall or be pulled into a tub or sink.
- ✓ **DO not store the Worklight in a damp or wet location.**
- ✓ **For best results,** your battery tool should be charged in a location where the temperature is more that 50°F (10°C) but less that 104°F (40°C). Do not store outside or in vehicles.
- ✓ **Do not permit children to use the Worklight; it is not a toy.**
- ✓ **The Worklight LEDs may produce sufficient heat to melt some fabrics.** To avoid serious personal injury, keep the Worklight LEDs free from contact with other items.

 **CAUTION!** Hot Surface.


 **Risk of Burns-Do Not Touch.**

 **Risk of Fire-Keep Away From Combustible Materials.**

SAFETY RULES FOR CHARGER

 **WARNING:** Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

- ✓ Before using the battery charger, read all instructions and cautionary markings in this manual and on the battery charger, the battery, and the product using the battery to prevent misuse of the products and possible injury or damage.

 **CAUTION:** To reduce the risk of electric shock or damage to the charger and battery, charge only those lithium-ion rechargeable batteries specifically designated on your charger's label. Other types of batteries may burst, causing personal injury or damage.

- ✓ Do not use the charger outdoors or expose it to wet or damp conditions. Water entering the charger will increase the risk of electric shock.

- ✓ Use of an attachment not recommended or sold by the battery-charger manufacturer may result in a risk of fire, electric shock or injury to persons.
- ✓ Do not abuse the cord or charger. Never use the cord to carry the charger. Do not pull the charger cord to disconnect the plug from receptacle. Damage to the cord or charger could occur and create an electric shock hazard. Replace damaged cords immediately.
- ✓ Make sure that the cord is located so that it will not be stepped on, tripped over, come in contact with sharp edges or moving parts, or otherwise subjected to damage or stress. This will reduce the risk of accidental falls, which could cause injury and damage to the cord, which could then result in electric shock.
- ✓ Keep the cord and charger from heat to prevent damage to the housing or internal parts.
- ✓ Do not allow gasoline, oils, petroleum-based products, etc. to come in contact with plastic parts. These materials contain chemicals that can damage, weaken, or destroy plastic.
- ✓ An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of fire and electric shock. If an extension cord must be used, make sure that:

The pins on plug of extension cord are the same number, size and shape as those of the plug on charger.

The cord is properly wired and in good electrical condition

The size is large enough for AC ampere rating of charger as specified below:

The Cord Length (Feet)	25'	50'	100'
Cord Size (AWG)	16	16	16

NOTE: AWG = American Wire Gauge

- ✓ Do not operate the charger with a damaged cord or plug, which could cause shorting and electric shock. If damaged, have the charger repaired or replaced by an authorized service technician at an approved Service Center.
- ✓ Do not operate the charger if it has received a sharp blow, been dropped, or has otherwise been damaged in any way. Take it to an authorized service technician at an approved Service Center for an electrical check to determine if the charger is in good working order.
- ✓ Do not disassemble the charger. Take it to an authorized service technician at a Service Center when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- ✓ Unplug the charger from the electrical outlet before attempting any maintenance or cleaning to reduce the risk of electric shock.
- ✓ Disconnect charger from the power supply when not in use. This will

reduce the risk of electric shock or damage to the charger if metal items should fall into the opening. It will also help prevent damage to the charger during a power surge.

- ✓ Risk of electric shock. Do not touch the uninsulated portion of output connector or uninsulated battery terminal.
- ✓ Save these instructions. Refer to them frequently and use them to instruct others who may use this tool. If you lend this tool to someone else, also lend these instructions to them to prevent misuse of the product and possible injury.

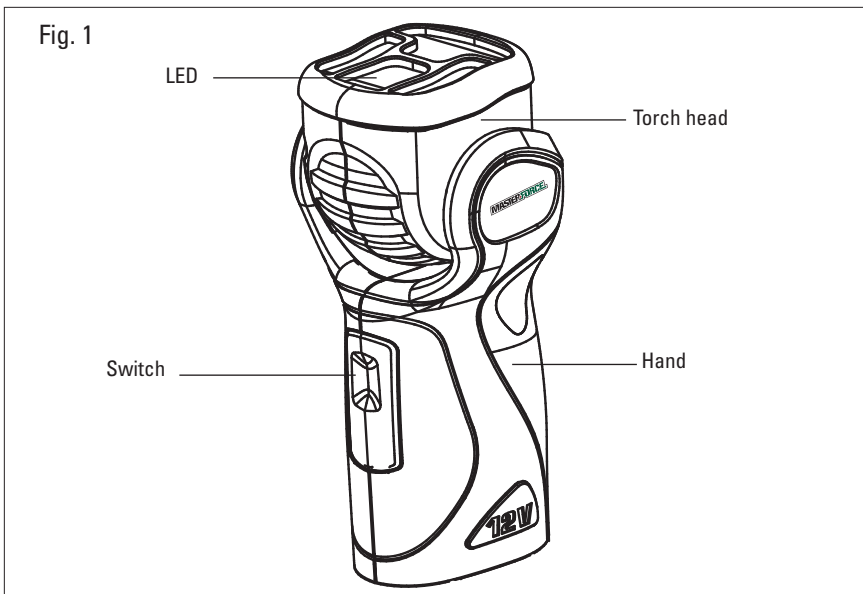
DESCRIPTION

KNOW YOUR BAND SAW (Fig. 1)

⚠ WARNING! The safe use of this product requires an understanding of the information on the tool and in this operator's manual as well as knowledge of the project you are attempting. Before use of this product, familiarize yourself with all operating features and safety rules.

PIVOTING HEAD

The adjustable head pivots 90°



SPECIFICATIONS	
Run-time	Approximately 7 hours
Worklight Weight	50Z
Battery Type	Lithium-Ion
Battery Voltage	12 Volt DC
Charger Input	120-Volts, 60 Hz AC only
Optimum Charging Temperature	50°F (10° C) -104°F (40°C)

ASSEMBLY

⚠ WARNING! If any part is broken or missing, do not attempt to attach the battery or operate the worklight until the broken or missing part is replaced. Failure to do so could result in possible serious injury.

⚠ WARNING! Do not attempt to modify this worklight or create accessories not recommended for use with this worklight. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious injury.

⚠ WARNING! To prevent accidental starting that could cause serious personal injury, always remove the battery pack from the saw when assembling parts.

UNPACKING

This product has been shipped completely assembled.

- ✓ Carefully remove the tool and any accessories from the box. Make sure that all items listed in the packing list are included.
- ✓ Inspect the tool carefully to make sure no breakage or damage occurred during shipping.
- ✓ Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.
- ✓ If any part is damaged or missing, please refer to the numbers listed on the back page of operator's manual.

PACKING LIST

LED Worklight, Operator's Manual

OPERATION

BATTERY PROTECTION

The integrated protective circuitry prevents the battery pack from extreme temperature, over discharge, and over-charge. To protect the battery from damage and prolong its life, the battery pack circuitry will turn off the battery pack if the temperature becomes too high during use.

NOTE: The battery can automatically reset after it cools down.

NOTE: A significantly reduced run time after fully charging the battery pack indicates that the battery is near the end of its usable life and must be replaced.

WHEN TO CHARGE THE BATTERY PACK

It is not necessary to run down the battery pack charge before recharging. The Lithium-Ion battery can be charged at any time and will not develop a “memory” when charged after only a partial discharge.

Remove the battery pack from the tool when convenient for you and your job. “Top off” the battery pack charge by charging it for a time before starting a big job or long period of use.

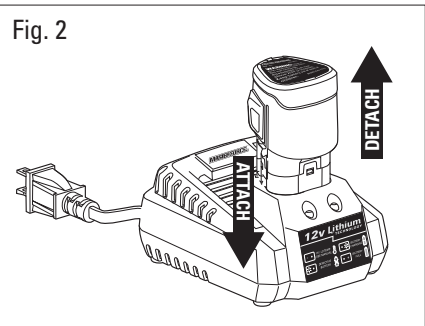
Due to Lithium-Ion fade-free properties, the only time it is necessary to charge the Lithium-Ion battery pack is when the pack has reached the end of its charge. To signal the end of charge, power to the tool will drop quickly. Charge the battery pack as needed.

HOW TO CHARGE THE BATTERY PACK

NOTE: The Lithium-Ion battery pack is shipped partially charged. Before using it the first time, fully charge the battery pack.

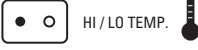







A fully discharged battery pack will charge in about 30 minutes in a surrounding temperature between 50°F (10°C) and 104°F (40°C).

1. Charge the Lithium-Ion battery pack with the correct charger.
2. Connect the charger to a power supply.
3. Align the raised ribs of the battery pack with the slot in the charger.
4. Insert the battery pack into the charger (Fig. 2).



5. The charger will communicate with the battery pack to evaluate the condition of the battery pack.
6. The green lights will flash while the battery pack is charging. After charging is complete, the green LED on the charger will be on. The flickering red light indicates a defective battery or a bad connection between the battery and the charger.
7. The battery pack will fully charge if left on the charger, but it will not overcharge.

LED FUNCTIONS OF CHARGER (Fig. 3)

LED INDICATOR	BATTERY PACK	RED LED	GREEN LED	ACTION
 HI / LO TEMP. 	Hot/cold battery	On	Off	Fast charge will begin when battery returns to 50°F (10°C) and 104°F (40°C).
 DEFECTIVE BATTERY 	Defective	Flashing	Off	Battery pack or charger is defective.
 BATTERY CHARGING 	Charging	Off	Flashing	Charging
 BATTERY FULL 	Fully charged	Off	On	Charging is complete.

CHARGING A HOT BATTERY PACK

If the battery pack is above normal temperature range, the red LED will illuminate and the green LED will be off. When the battery pack cools down to approximately 104°F (40°C), the charger will automatically begin charging.

CHARGING A COLD BATTERY PACK

If the battery pack is below the normal temperature range, the red LED will illuminate and the green LED will be off. When the battery warms to a temperature of more than 50°F (10°C), the charger will automatically begin charging.

DEFECTIVE BATTERY

If the charger detects a problem, the red LED will begin flashing and the green LED will be off.

1. If registering as defective, remove and reinsert the battery pack in the

charger. If the LED status reads “defective” a second time, try charging a different battery pack.

2. If a different battery pack charges normally, dispose of the defective battery pack (see Maintenance section).
3. If a different battery pack also indicates “defective,” the charger may be defective.

BATTERY CHARGING

If the battery pack is being charged within a normal surrounding temperature range (50°F to 104°F), the green LED will begin flashing and the red LED will be off. The battery pack will reach a full charge in 30 minutes.

BATTERY FULL

When the battery is fully charged, the green LED Light on the charger will be on and the red LED light will be off.

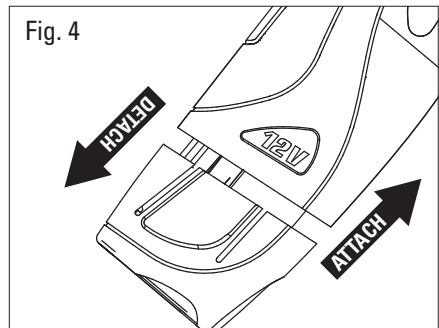
NOTE: The battery pack will fully charge, but will not overcharge, if left on the charger.

NOTE: Charger may warm with several continuous charge cycles. This is part of the normal operation of the charge. Charge in a well ventilated area.

TO ATTACH BATTERY PACK (Fig. 4)

1. Make sure that the worklight is “OFF”.
2. Align the raised rib on the battery pack with the grooves of the worklight, and then attach the battery pack to the worklight.

NOTE: Make sure that the latch on the battery pack snaps into place and that the battery pack is secured to the tool before beginning operation.



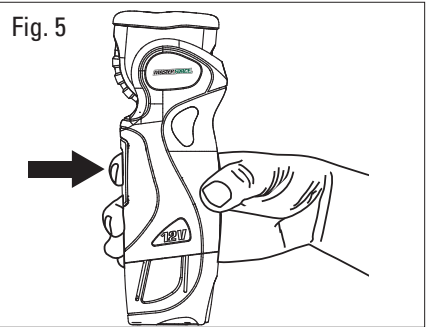
TO DETACH BATTERY PACK (Fig. 4)

1. Depress the battery release buttons located on the both sides of the battery pack to release the battery pack.
2. Pull the battery pack out and remove it from the tool.

⚠ WARNING! when placing the battery pack in the tool, be sure that the raised rib on the battery pack aligns with the groove inside the worklight and that the latches snap into place properly. Improper attachment of the battery pack can cause damage to internal components.

TURN ON/OFF THE WORKLIGHT (FIG.5)

Depress the switch to turn on the worklight; depress it again to turn off.

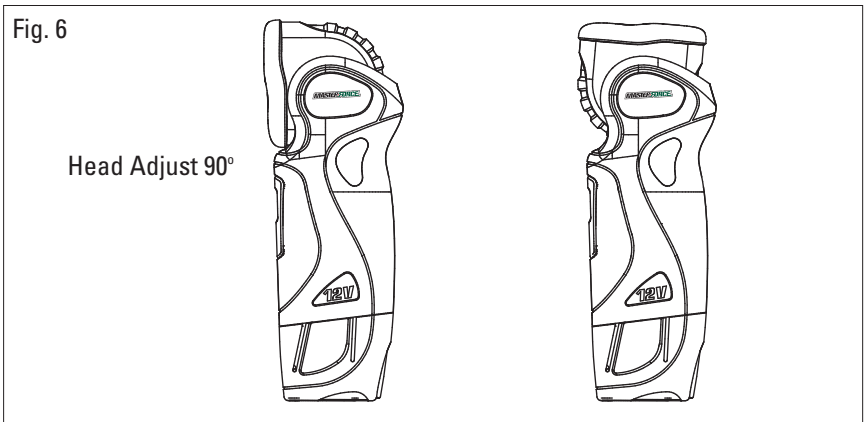


ADJUSTING THE WORKLIGHT HEAD (Fig.6)

The worklight head independently pivots 90° for maximum flexibility.

Move the head by manually adjusting it to any position within the 90° pivot range. Do not force the head beyond the 90° range.

⚠ WARNING! To avoid serious personal injury, always remove the battery pack from the tool when cleaning or performing any maintenance.



MAINTENANCE

GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

⚠ WARNING! Do not at any time let brake fluid, gasoline, petroleum-based products, penetrating oils, etc. to come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

⚠ WARNING! When servicing, use only identical MASTERFORCE replacement parts. Use of any other parts may create a hazard or cause product damage.

⚠ WARNING! Always wear safety goggles or safety glasses with side shields when using compressed air to clean the tool. If the operation is dusty, also wear a dust mask.

BATTERIES:

The battery pack is equipped with Lithium-Ion rechargeable batteries. The duration of use from each charge will depend on the type of work performed.

The batteries in this tool have been designed to provide maximum trouble-free life. Like all batteries, they will eventually wear out. Do not disassemble the battery pack or attempt to replace the batteries. Handling of the batteries, especially when wearing rings and jewelry, could result in a serious burn.

To obtain the longest possible battery life, read and understand the operator's manual.

- ✓ It is good practice to unplug the Charger/Adapter and remove the Lithium-Ion battery pack when not in use. For Lithium-Ion battery pack storage longer than 30 days:
- ✓ Store the Lithium-Ion battery pack where the temperature is below 80°F (26°C) and free of moisture.
- ✓ Store Lithium-Ion battery packs in a 30%-50% charged condition.
- ✓ Every six months of storage, fully charge the Lithium-Ion battery pack.
- ✓ Exterior may be cleaned with a cloth or soft non-metallic brush.

BATTERY PACK REMOVAL AND PREPARATION FOR RECYCLING

To preserve natural resources, please recycle or dispose of batteries properly. This product contains lithium-ion batteries. Local, state, or federal laws may prohibit disposal of lithium-ion batteries in ordinary trash. Consult your local waste authority for information regarding available recycling and/or disposal options.



⚠ WARNING! Upon removal of the battery pack for disposal or recycling, cover the battery pack's terminals with heavy-duty adhesive tape. Do not attempt to destroy or disassemble battery pack or remove any of its components. Lithium-Ion batteries must be recycled or disposed of properly. Also, never touch both terminals with metal objects and/or body parts as short circuit may result. Keep away from children. Failure to comply with these warnings could result in fire and/or serious injury.

WARRANTY

If, during normal use, this MASTERFORCE™ power tool breaks or fails due to a defect in material or workmanship within three years from the date of original purchase, simply bring this tool and its sales receipt back to your nearest Menards® retail store for a free equivalent replacement within those three years.

The warranty:

- (1) excludes expendable parts including but not limited to blades, bits, light bulbs, and/or batteries;
- (2) shall be void if this tool is used for commercial or/and rental purposes; and
- (3) does not cover any losses, injuries to persons/properties, or costs. This warranty does give you specific legal rights and you may have other rights, which vary from state to state.

*SAVE YOUR RECEIPTS. Your warranty is void without them. For help, please call to our customer center, toll free number: 1-866-917-4374.