



New batteries must be charged before first use.

IMPORTANT SAFETY INSTRUCTIONS

⚠WARNING READ AND UNDESTAND ALL INSTRUCTIONS. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

- 1. **SAVE THESE INSTRUCTIONS - THIS OPERATOR'S MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS FOR MILWAUKEE® LI-ION BATTERIES.**
- 2. **BEFORE USING THE BATTERY PACK, READ THIS INSTRUCTION SHEET, YOUR TOOL AND CHARGER OPERATOR'S MANUALS, AND ANY LABELS ON THE BATTERY PACK, CHARGER AND TOOL.**
- 3. **⚠CAUTION** TO REDUCE THE RISK OF INJURY, CHARGE ONLY MILWAUKEE® BATTERIES IN MILWAUKEE® LITHIUM-ION BATTERY CHARGERS OR APPROPRIATE MILWAUKEE® EQUIPMENT CAPABLE OF CHARGING MILWAUKEE® BATTERIES. CHARGE MILWAUKEE® 18V LITHIUM-ION BATTERIES ONLY IN MILWAUKEE® 18V LITHIUM-ION COMPATIBLE CHARGERS.

Other types of chargers may cause personal injury or damage. Do not wire a battery pack to a power supply plug or car cigarette lighter. Batteries will be permanently disabled or damaged.

- 4. **USE MILWAUKEE® 18V LITHIUM-ION BATTERIES ONLY ON MILWAUKEE® 18V LITHIUM-ION TOOLS.** Use with other tools may result in a risk of fire, electric shock or personal injury.
- 5. **AVOID DANGEROUS ENVIRONMENTS.** Do not charge battery pack in rain, snow, damp or wet locations. Do not use battery pack or charger in the presence of explosive atmospheres (gaseous fumes, dust or flammable materials) because sparks may be generated when inserting or removing battery pack, possibly causing fire.
- 6. **CHARGE IN A WELL VENTILATED AREA.** Do not block charger vents. Keep them clear to allow proper ventilation. Do not allow smoking or open flames near a charging battery pack. Vented gases may explode.
- 7. **DO NOT CRUSH, DROP, OR DAMAGE BATTERIES.** Do not use a battery pack or charger that has received a sharp blow, been dropped, run over, or damaged in any way (e.g., pierced with a nail, hit with a hammer, stepped on).
- 8. **DO NOT DISASSEMBLE.** Incorrect reassembly may result in the risk of electric shock, fire or exposure to battery chemicals. If it is damaged, take it to a MILWAUKEE® service facility.
- 9. **BATTERY CHEMICALS CAUSE SERIOUS BURNS.** Never allow contact with skin, eyes, or mouth. If a damaged battery pack leaks battery chemicals, use rubber or neoprene gloves to dispose of it. If skin is exposed to battery fluids, wash with soap and water and rinse with vinegar. If eyes are exposed to battery chemicals, immediately

flush with water for 20 minutes and seek medical attention. Remove and dispose of contaminated clothing.

- 10. **DO NOT SHORT CIRCUIT.** A battery pack will short circuit if a metal object makes a connection between the positive and negative contacts on the battery pack. Do not place a battery pack near anything that may cause a short circuit, such as coins, keys or nails in your pocket. A short circuited battery pack may cause fire and personal injury.
- 11. **STORE YOUR BATTERY PACK AND CHARGER IN A COOL, DRY PLACE.** Do not store battery pack where temperatures may exceed 50°C (120°F) such as in direct sunlight, a vehicle or metal building during the summer.

ADDITIONAL BATTERY SAFETY RULES

⚠WARNING To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc., can cause a short circuit.

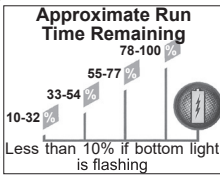
⚠WARNING Do not charge non-rechargeable batteries.

SYMBOLGY

-  Volts
-  Direct Current
-  Please read the instructions carefully before starting the machine.
-  Do not put in fire.
-  Do not use if damaged.
-  Regulatory Compliance Mark (RCM). This product meets applicable regulatory requirements.
-  Recycle at appropriate centre.
-  Do not dispose in household rubbish

Fuel Gauge

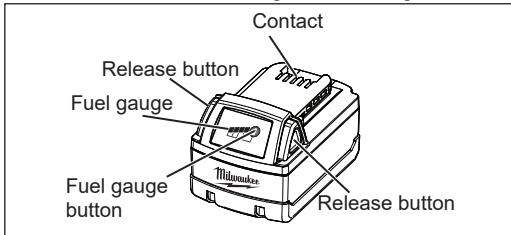
Use the Fuel Gauge to determine the battery pack's remaining runtime. Press the Fuel Gauge button to display the lights. The Fuel Gauge will light up for 2-3 seconds. When less than 10% of charge is left, 1 light on the fuel gauge will flash slowly.



NOTE: If the Fuel Gauge doesn't appear to be working, place the battery pack on the charger and charge as needed.

Compared to NiCd battery pack types, **MILWAUKEE®** Li-Ion battery packs deliver fade-free power for their entire runtime. The tool will not experience a slow, gradual loss of power as you work. To signal the end of discharge, 1 light on the fuel gauge will flash quickly for 2-3 seconds and the tool will not run. Charge the battery pack.

NOTE: Immediately after using the battery pack, the Fuel Gauge may display a lower charge than it will if checked a few minutes later. The battery cells "recover" some of their charge after resting.



Cold Weather Operation

MILWAUKEE® Li-Ion battery packs are designed to operate in temperatures below freezing. When the battery pack is too cold, it may need to warm up before normal use. Put the battery on a tool and use the tool in a light application. It may "buzz" for a short time until it warms up. When the buzzing stops, use the tool normally.

Battery Pack Protection

To protect itself from damage and extend its life, the battery pack's intelligent circuit monitors current draw and temperature. In extremely high torque, binding, stalling, and short circuit situations, the battery pack will turn OFF the tool if the current draw becomes too high. All the fuel gauge lights will flash. Release the trigger and restart.

Under extreme circumstances, the internal temperature of the battery could become too high. If this happens, the fuel gauge lights will flash in an alternating pattern and the tool will not run. Allow the battery to cool down.

Fuel Gauge Lights	Diagnosis	Solution
Lights 1 - 4 Solid	Remaining runtime	Continue working
1 Light, flashing slowly	Less than 10% run time left	Prepare to charge pack
1 Light, flashing quickly	End of discharge	Charge pack
Lights 1-4, flashing quickly	Current draw too high	Release trigger and restart, reduce pressure
Lights 1&3 / 2&4, flashing alternately	Battery temperature too high	Release trigger and allow battery to cool

Maintenance and Storage

Do not expose your battery pack or cordless tools to water or rain, or allow them to get wet. This could damage the tool and battery pack. Do not use oil or solvents to clean or lubricate your battery pack. The plastic casing will become brittle and crack, causing a risk of injury.

Store batteries at room temperature away from moisture. Do not store in damp locations where corrosion of terminals may occur. As with other battery types, permanent capacity loss can result if the battery pack is stored for long periods of time at high temperatures (over 50°C). **MILWAUKEE®** Lithium-Ion batteries maintain their charge during storage longer than other battery types. After about six months of storage, charge the battery pack as normal.

Disposing of MILWAUKEE® Lithium-Ion Batteries
MILWAUKEE® Lithium-Ion batteries are more environmentally friendly than some other types of power tool batteries (e.g., nickel-cadmium). Always dispose of your battery pack according to federal, state and local regulations. Contact a recycling agency in your area for recycling locations.

Even discharged batteries contain some energy. Before disposing, use electrical tape to cover the terminals to prevent the battery pack from shorting, which could cause a fire or explosion.

AWARNING To reduce the risk of injury or explosion, never burn or incinerate a battery pack even if it is damaged, dead or completely discharged. When burned, toxic fumes and materials are created.

WARRANTY - AUSTRALIA and NEW ZEALAND

Please refer to Australian and New Zealand warranty supplied with tool. This warranty applies only to product sold by authorised dealers in Australia and New Zealand.

SERVICE - AUSTRALIA and NEW ZEALAND

MILWAUKEE[®] prides itself in producing a premium quality product that is Nothing But Heavy Duty™. Your satisfaction with our products is very important to us! If you encounter any problems with the operation of this tool, please contact your authorised *MILWAUKEE*[®] dealer.

For a list of *MILWAUKEE*[®] dealers, guarantee or service agents please contact *MILWAUKEE*[®] Customer Service or visit our website.

(Australia Toll Free Telephone Number 1300 645 928)

(New Zealand Toll Free Telephone Number 0800 645 928)

or visit milwaukeetool.com.au/milwaukeetool.co.nz.

Milwaukee Electric Tool Corporation

13135 West Lisbon Road, Brookfield, Wisconsin U.S.A. 53005

Milwaukee Tool (Australia)

26 - 40 Nina Link, Dandenong South,
Victoria, 3175, Australia

Milwaukee Tool (New Zealand)

274 Church Street, Penrose,
Auckland, 1061, New Zealand

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