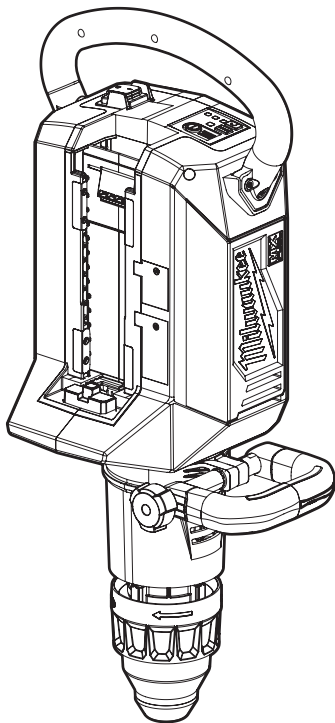




OPERATOR'S MANUAL



Cat. No.
MXF HADO1000



**MX FUEL™ SDS MAX IN-LINE DEMOLITION HAMMER W/
VACLINK™**

WARNING

 To reduce the risk of injury, user must read and understand operator's manual.

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

- **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

- **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 a RCD reduces the risk of electric shock.

PERSONAL SAFETY

- **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.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- **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 energising power tools that have the switch on invites accidents.

- **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.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **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.
- **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.

POWER TOOL USE AND CARE

- **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.
 - **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.
 - **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.
 - **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.
 - **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.
 - **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
 - **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.
 - **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.
- ### 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.
- Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130°C (265°F) may cause explosion.
- Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.
- Keep hands away from all cutting edges and moving parts.
- Do not touch chisels with bare hands immediately after use; they may be hot and could burn skin.
- Never lay the tool down until the accessory has come to a complete stop. The accessory may grab the surface and pull the power tool out of your control.
- After changing the chisels or making any adjustments, make sure all adjustment devices are securely tightened. Loose adjustment devices can unexpectedly shift, causing loss of control, loose components will be violently thrown.

⚠WARNING To reduce the risk of injury, when working in dusty situations, wear appropriate respiratory protection or use a suitable dust extraction solution.

- Do not use this machine to work on asbestos containing products. Determine the composition of the workpiece before beginning work. Asbestos should only be removed by a qualified professional.
- Chemical Burn Hazard. Keep coin cell battery away from children.
- Always use common sense and be cautious when using tools. It is not possible to anticipate every situation that could result in a dangerous outcome. Do not use this tool if you do not understand these operating instructions or you feel the work is beyond your capability; contact MILWAUKEE® Tool or a trained professional for additional information or training.
- Maintain labels and nameplates. These carry important information. If unreadable or missing, contact a MILWAUKEE® service facility for a replacement.

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

- lead from lead-based paint
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

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

READ AND SAVE ALL INSTRUCTIONS FOR FUTURE USE

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.

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.
- Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorised service providers.

SPECIFIC SAFETY RULES FOR DEMOLITION HAMMERS

Safety instructions for all operations

- Wear ear protectors. Exposure to noise can cause hearing loss.
- Use auxiliary handle(s), if supplied with the tool. Loss of control can cause personal injury.
- Brace the tool properly before use. This tool produces a high output torque and without properly bracing the tool during operation, loss of control may occur resulting in personal injury.
- Hold the power tool by insulated gripping surfaces, when performing an operation where the accessory or fasteners may contact hidden wiring. Cutting or fasteners accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- Grasp handle(s) firmly. Always hold the machine securely using two hands and maintain control.
- Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and shop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.

SPECIFICATIONS

Cat. No. **MXF HADO1000**
 Volts..... 72 V DC
 Battery Type..... MX FUEL™
 Charger Type..... MX FUEL™
 BPM..... 975/1,950 min⁻¹
 Shank Type..... SDS Max
 Impact Energy..... 26 J
 Weight (Tool Only)..... 12.7 kg
 Recommended Ambient
 Operating Temperature..... -17°C to 51°C

SYMBOLLOGY



Volts



Direct Current



Safety Alert Symbol



WARNING Risk of Electric Shock



Wear eye and ear protections and dust mask.



Read operator's manual.



ONE-KEY™

VACLINK

Tool has VACLINK™ technology

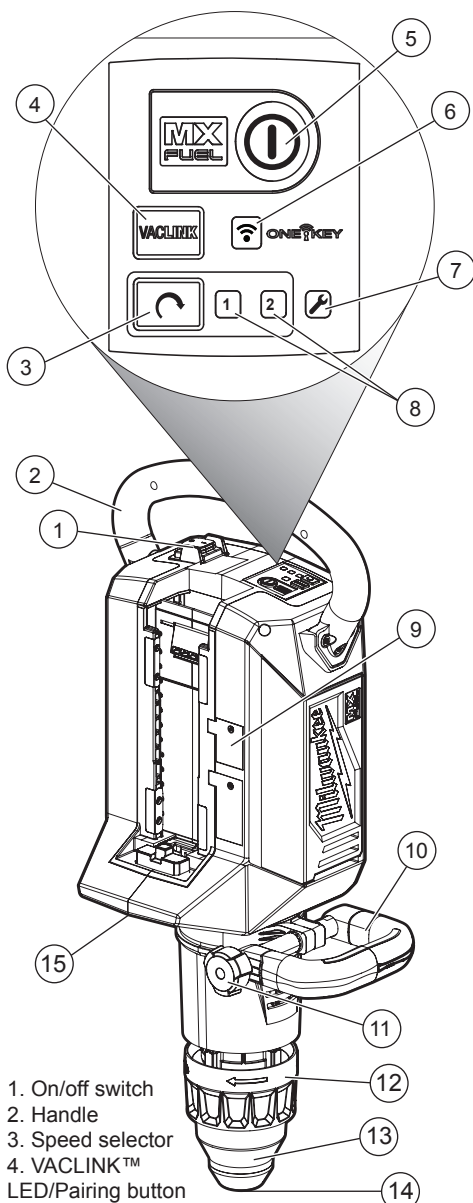


Regulatory Compliance Mark (RCM).
 This product meets applicable regulatory requirements.



Do not dispose of electric tools together with household waste material. Electric tools and electronic equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

FUNCTIONAL DESCRIPTION



1. On/off switch
2. Handle
3. Speed selector
4. VACLINK™ LED/Pairing button
5. Arm button
6. ONE-KEY™ indicator
7. Service indicator LED
8. Speed indicator LED
9. Coin cell battery door

10. Auxiliary handle
11. Auxiliary handle knob
12. Chisel rotation collar
13. Bit release collar
14. SDS Max bit holder
15. Worklight LED

ASSEMBLY

WARNING Recharge only with the charger specified for the battery. For specific charging instructions, read the operator's manual supplied with your charger and battery.

Removing/Inserting the Battery

To insert the battery, slide the pack into the body of the machine. Make sure it latches securely into place.

WARNING Only use accessories specifically recommended for this tool. Others may be hazardous.

To remove the battery, push the battery latch lock to the side and squeeze the battery latch lever. Pull the battery pack away from the machine.

WARNING Always remove the battery pack any time the machine is not in use.

To reduce the risk of injury, always brace or hold securely. Ensure auxiliary handle is secure before each use.

Adjusting the Auxiliary Handle Position

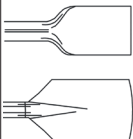
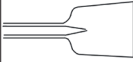
1. **WARNING** Remove battery to avoid starting the tool.
2. Loosen the auxiliary handle by unscrewing the auxiliary handle knob until the auxiliary handle rotates freely.
3. Rotate the auxiliary handle to the desired position.
4. Tighten the auxiliary handle grip securely.

WARNING To reduce the risk of injury, do not grasp the bit while the chuck is rotating.

Selecting a Chisel

Always clean and grease the chisel shank before inserting the chisel into the machine. Always select the correct chisel for the job. Inspect chisels before use - chisels must be in good working condition. Through normal use, the shank of the chisel can "mushroom" over and cause the chisel to become stuck inside the hammer.

WARNING Do not use shanks that have been "mushroomed" or damaged. If the shank starts to "mushroom", have the chisel refurbished or replaced.

	Pointed Chisel — For demolition work and starting holes in concrete slabs.
	Flat Chisel — For edging, chipping or channeling.
	Spade Chisel — For demolition work and starting holes in concrete slabs.
	Asphalt Chisel — For cutting through and lifting asphalt.
	Tamping Plate/Mounting Shank — For compacting soil, gravel, asphalt, etc.

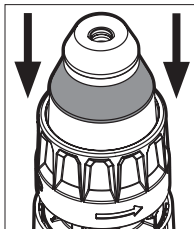
WARNING To reduce the risk of injury, do not grasp the bit while the bit is falling from the chuck.

Installing/Removing Chisels

NOTE: Only use chisels with SDS Max shanks.

NOTICE: Be sure that the shank of the chisel is clean. Dirt particles may cause the chisel to line up improperly. Do not use chisels larger than the maximum recommended capacity of the drill because gear damage or motor overloading may result. For best performance, be sure that the chisel is sharp and the shank is lightly greased before use.

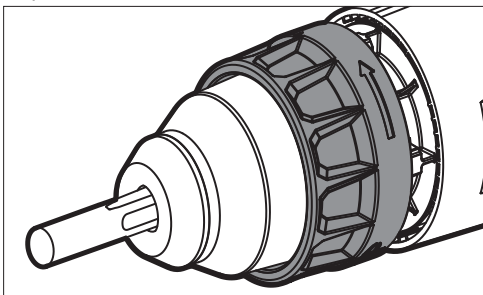
1. **WARNING** Remove battery to avoid starting the tool.
2. Insert the bit or chisel into the nose of the tool.
3. Push bit into tool until it locks.
4. Check to see that the bit is locked by tugging on it.
5. To remove bits and chisels, orient tool vertically with handle down and chuck pointing up, pull back on the bit release collar, and remove bit. If the release collar does not pull back fully, use the chisel rotate collar to rotate the chisel in the direction of the arrow until it falls into position, then try again.



WARNING Chisels may be HOT immediately after use. Do not touch the chisel with bare hands; it could burn skin.

Adjusting the Chisel Position

1. **WARNING** Remove battery to avoid starting the tool.
2. Insert a chisel.
3. Rotate the chisel rotation collar in the direction of the arrow until the chisel is set in the desired position.



For use with the Dust Extractor

For dust extractor assembly and operation, refer to the manufacturer's dust extractor manual.

VACLINK™

VACLINK™ is an integrated wireless dust control technology that allows a compatible tool and vacuum/ dust extractor to connect to each other. A signal from the tool will turn the vacuum on and off. The tool can be connected to one vacuum at a time.

NOTE: Other product's VACLINK™ functionality may differ. See those instructions for more information.

Pairing/Unpairing VACLINK™

1. Install a battery pack on the tool and connect the dust extractor to a power source.
2. Press and hold the pairing buttons on the tool and dust extractor each for >1 second.
VACLINK™ LED:
 - Searching – Flashing green
 - Paired – Solid green
3. See troubleshooting if tool and dust extractor do not pair successfully.
4. To unpair, press and hold the pairing button on the tool for >1 second.
VACLINK™ LED:
 - Unpaired – off

Using VACLINK™

1. Once paired, set up the dust extractor hose, work area, and job as needed, following the tool and dust extractor instructions.
2. Turn on the tool. VACLINK™ will automatically turn on the dust extractor.
3. Turn off the tool and the dust extractor will automatically turn off within a few seconds.

Pausing VACLINK™

VACLINK™ can be paused to halt the connection.

NOTE: When the tool's battery pack is removed and then reinstalled, the pause is cancelled and the VACLINK™ will be active.

To pause or unpair, quickly press and release the pairing button (<1 second).

VACLINK™ LED:

- Paused – Flashes red, then off
- Unpaused – Flashes green, then off

Troubleshooting	
Pairing is unsuccessful.	Remove battery from tool and power from dust extractor for 1 minute. Retry the pairing procedure.
	Check the dust extractor is in range of tool. Retry the pairing procedure.
	Move tool and dust extractor to an area with lower wireless traffic. Retry the pairing procedure.
	If VACLINK™ is still unable to pair, contact authorised MILWAUKEE® service centre.
Dust extractor not turning on/off automatically	VACLINK™ is paused on the tool. Unpause VACLINK™.
	The dust extractor is not connected to a power supply. Connect dust extractor to a power supply.
	The tool and dust extractor are out of range of each other. Move dust extractor and tool closer.
	If VACLINK™ still does not turn the dust extractor on/off, unpair and re-pair the tool and dust extractor. If VACLINK™ still does not turn the dust extractor on/off, contact authorised MILWAUKEE® service centre.

ONE-KEY™

To learn more about the ONE-KEY™ functionality for this tool, go to www.milwaukeeetool.com.au/innovation/one-key/. To download the ONE-KEY™ app, visit the App Store® or Google Play™ from your smart device.

ONE-KEY™ Indicator	
Solid Blue	Wireless mode is active and ready to be configured via the ONE-KEY™ app.
Blinking Blue	Tool is actively communicating with the ONE-KEY™ app.
Blinking Red	Tool is in security lockout and can be unlocked by the owner via the ONE-KEY™ app.

OPERATION

⚠WARNING To reduce the risk of injury, always wear proper eye protection marked to comply with AS/NZS 1337.1. When working in dusty situations, wear appropriate respiratory protection or use a suitable dust extraction solution.

Grasp handle(s) firmly. Always hold the machine securely using two hands and maintain control.

Arming the Machine

The MX FUEL™ machines must be armed prior to use. Even with the battery pack inserted, the trigger and machine functions will not operate until the machine is armed.

To arm the machine:

1. Insert the battery pack.
2. Press the arm button. The MX FUEL™ icon will light. The trigger will become armed in 2 seconds.
3. After 15 minutes of inactivity, the machine will enter sleep mode. The MX FUEL™ icon will go off and the trigger and LEDs are un-operational.
4. Press and hold the arm button for 1 second to reactivate the machine.
5. Press and hold the arm button for 1 second to unarm (turn off) the machine. The MX FUEL™ icon will go off.

Selecting Speed

Allow the tool to come to a complete stop before changing speeds. Press the speed selector button  to cycle between the settings.

1. For **Low** speed, push the speed selector button to display "1".
2. For **High** speed, push the speed selector button to display "2".

Service Indicator LED

The machine is equipped with a service indicator LED. If the service indicator light blinks remove and try a different battery pack. It illuminates when service is due. When the light turns on and stays amber, take the machine to an authorised service centre for servicing.

General Operation

1. Insert a chisel into the machine.
2. Ensure the auxiliary handle is secure.
3. Position the machine on the workpiece.
4. Arm the machine.
5. Select the speed.
6. Grasp handle(s) firmly. Always hold the machine securely using two hands and maintain control.
7. To start the machine, push the switch to the ON (I) position.
8. Use only enough pressure to hold the machine in place, engage the hammering mechanism, and prevent the tip of the chisel from wandering. This machine has been designed to achieve top performance with only moderate pressure. Excessive force reduces the vibration dampening. To engage the hammering mechanism, maintain pressure on the chisel. When pressure is released, hammering stops.
9. When chiseling or chipping, hold the machine at an angle to the work area. For best performance, work from a corner or close to the edge of the work and break off a small area at a time.

10. To stop the machine, push the switch to the OFF (O) position. Make sure the machine comes to a complete stop before laying the machine down.

11. Press and hold the arm button to turn off the machine.

Cold Starting

A new hammer requires a break-in period before reaching full performance. This period may require up to 15 minutes of operation. If the machine is stored for a long period of time or at cold temperatures, the lubrication may become stiff and the machine may not hammer initially or the hammering may be weak.

If this happens:

1. Insert a chisel into the machine.
2. Run the machine against a scrap piece of concrete.
3. After 15 seconds to 2.5 minutes, the machine will start hammering normally. The colder the hammer is, the longer it will take to warm up.

Transportation and Storage

Do not transport or store with a battery pack installed in the machine. Disconnect or remove accessories.

MAINTENANCE

⚠WARNING To reduce the risk of injury, always unplug the charger and remove the battery pack from the charger or tool before performing any maintenance. Never disassemble the tool, battery pack or charger. Contact a **MILWAUKEE®** service facility for **ALL** repairs.

Maintaining Tool

Keep your tool, battery pack and charger in good repair by adopting a regular maintenance program. Inspect your tool for issues such as undue noise, misalignment or binding of moving parts, breakage of parts, or any other condition that may affect the tool operation. Return the tool, battery pack, and charger to a **MILWAUKEE®** service facility for repairs.

If the tool does not start or operate at full power with a fully charged battery pack, clean the contacts on the battery pack. If the tool still does not work properly, return the tool, charger and battery pack, to a **MILWAUKEE®** service facility for repairs.

Internal Coin Cell Battery

⚠WARNING Chemical Burn Hazard. This device contains a lithium button/coin cell battery. A new or used battery can cause severe internal burns and lead to death in as little as 2 hours if swallowed or enters the body. Always secure the battery cover. If it does not close securely, stop using the device, remove the batteries, and keep it away from children. If you think batteries may have been swallowed or entered the body, seek immediate medical attention.

An internal coin cell battery is used to facilitate full ONE-KEY™ functionality.



To replace the battery:

1. **⚠WARNING** Remove battery to avoid starting the tool.
2. Loosen the screw(s) and open the coin cell battery door.
3. Remove the old coin cell battery, keep it away from children, and dispose of it properly.
4. Insert the new coin cell battery (3V CR2032), with the positive side facing up.
5. Close the battery door and tighten the screw(s) securely.

⚠WARNING To reduce the risk of electric shock, fire, and/or serious personal injury due to short circuit, never stick a tool, brush, or object into the battery terminals. Do not allow fluids to flow into battery pack.

Never immerse the machine in liquid or allow a liquid to flow inside it.

Cleaning

Clean dust and debris from vents. Keep handles clean, dry and free of oil or grease. Use only mild soap and a damp cloth to clean, since certain cleaning agents and solvents are harmful to plastics and other insulated parts. Some of these include petrol, turpentine, lacquer thinner, paint thinner, chlorinated cleaning solvents, ammonia and household detergents containing ammonia. Never use flammable or combustible solvents around tools.

Cleaning the Battery and Battery Bay

Keep battery connections and surfaces between the machine and battery free of debris and materials. Failure to keep surfaces clean may result in misalignment and/or damage to the battery connection.

Repairs

For repairs, return the machine to the nearest authorised service centre.

ACCESSORIES

⚠WARNING Use only recommended accessories. Others may be hazardous.

For a complete listing of accessories, go online to milwaukee tool.com.au / milwaukee tool.co.nz or contact an authorised distributor.

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 milwaukeeetool.com.au/milwaukeeetool.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

DESIGNED BY MILWAUKEE ELECTRIC TOOL CORP.