

BENCHMARKTM MC

20V MAX BRUSHLESS 1/2" IMPACT WRENCH



5 Year Limited Warranty
3 Year Limited Warranty on Battery and Charger



Intertek
3042597
JD509820

**READ ALL INSTRUCTIONS BEFORE FIRST USE.
KEEP THIS MANUAL FOR FUTURE REFERENCE.
KEEP AWAY FROM CHILDREN.**

Maximum initial battery voltage (measured without a load)
is 20 volts. Nominal voltage is 18 volts.



**WEAR CSA APPROVED
EYE PROTECTION**



**WEAR EAR
PROTECTION**



**WEAR A
FACE MASK**

PRODUCT SPECIFICATIONS

20V MAX BRUSHLESS 1/2" IMPACT DRILL	
Volts	20V
Variable Two Speeds	0–2200/0-2700 RPM (no load)
2 Variable Impact Speeds	0–2600/0-3000 BPM
Torque	380 ft/lbs.
Square Drive	1/2"
Weight	4.6 lbs. (2.08kg) with battery
Battery	20V 4Ah Li-ion (Maximum charged battery voltage, measured without load, is 20V with a nominal value of 18V)
Replacement Battery	5350-011 (4Ah) Charge time – up to 120 minutes
Replacement Charger Assembly	5350-010 (2.4A) up to 120 minutes charge time

NEED ASSISTANCE?

Call us on our toll-free customer support line:

1-866-349-8665 (Monday through Friday 9am – 5pm Eastern Standard Time)

- Technical questions
- Replacement parts
- Parts missing from package





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GENERAL SAFETY INSTRUCTIONS

⚠️ WARNING: Before using this tool or any of its accessories, read this manual and follow all Safety Rules and Operating Instructions. The important precautions, safeguards and instructions appearing in this manual are not meant to cover all possible situations. It must be understood that common sense and caution are factors which cannot be built into the product.

EYE, EAR & LUNG PROTECTION

SYMBOL	MEANING
<p>⚠️ DANGER</p> 	<p>ALWAYS WEAR EYE PROTECTION THAT CONFORMS WITH CSA Z94.3 or ANSI SAFETY STANDARD Z87.1</p> <p>FLYING DEBRIS can cause permanent eye damage. Prescription eyeglasses ARE NOT a replacement for proper eye protection. The usage of a safety standard compliant face shield placed over proper safety glasses or goggles can reduce the risk of facial injury.</p> <p>Non-compliant eyewear can cause serious injury if broken during the operation of a power tool.</p>
<p>⚠️ WARNING</p> 	<p>Use hearing protection, particularly during extended periods of operation of the tool, or if the operation is noisy.</p>
<p>⚠️ WARNING</p> 	<p>WEAR A DUST MASK THAT IS DESIGNED TO BE USED WHEN OPERATING A POWER TOOL IN A DUSTY ENVIRONMENT.</p> <p>Dust that is created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals that are known to cause cancer, birth defects, or other genetic abnormalities. These chemicals include:</p> <ul style="list-style-type: none"> • Lead from lead-based paints • Crystalline silica from bricks, cement, and other masonry products • Arsenic and chromium from chemically treated lumber <p>The level of risk from exposure to these chemicals varies, according to how often this type of work is performed. In order to reduce exposure to these chemicals, work in a well-ventilated area, and use approved safety equipment, such as a dust mask that is specifically designed to filter out microscopic particles.</p>
<p>⚠️ WARNING</p> 	<p>TO AVOID ELECTRICAL HAZARDS, FIRE HAZARDS OR DAMAGE TO THE TOOL, USE PROPER CIRCUIT PROTECTION.</p> <p>This tool is wired at the factory for 120 V AC operation. It must be reconnected to a 120 V AC, 15 A circuit that is protected by a time-delayed fuse or circuit breaker. To avoid shock or fire, replace power cord immediately if it is worn, cut or damaged in any way.</p>

⚠ WARNING

WARNING: Ventilation openings in batteries and chargers must always be open to allow cooling air to circulate freely. Air vents that are blocked, restricted or covered may result in the battery or charger overheating. Overheating may lead to damage to the tool or cause a fire, resulting in possible serious injury.

POWER TOOL SAFETY

⚠ 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.**

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

Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will only fit into a polarized plug one way.

If the plug does not fit into the outlet properly, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not alter the plug in any way. Double insulation eliminates the need for the three-pronged grounded power cord and grounded power supply system.

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. Do not use the power cord to carry the tool or to pull the plug out of the outlet. Keep the power cord away from heat, oil, sharp edges, and moving parts. Replace a damaged power cord immediately. A damaged power cord increases the risk of electric shock.

When operating a power tool outdoors, use an outdoor-rated extension cord type "W-A" or "W". These cords are rated for outdoor use and they reduce 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 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 energizing 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, clothing and gloves 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.

Avoid accidental start-ups. Verify that the switch is in the OFF position before plugging in the tool. Carrying a power tool with a finger on the switch or plugging in a tool that has the switch in the ON position invites accidents.

Remove adjusting keys and wrenches before turning the tool ON. A wrench or key that is left attached to a rotating part of the tool may result in personal injury.

Do not overreach. Keep proper footing and balance at all times. Proper footing and balance allows the operator to maintain better control of the tool in unexpected situations.

Use safety equipment. Always wear eye protection.

Use a dust mask, non-skid safety shoes, a hardhat, or hearing protection when appropriate.

POWER TOOL USE AND CARE

Use clamps or another practical means to secure and support the workpiece to a stable platform. Holding the work in a hand or against the body is not stable and may lead to loss of control.

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 outlet before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of accidental start-ups.

When power tools are not in use, store them out of the reach of children or untrained persons. Tools are dangerous in the hands of untrained users.

Maintain power tools with care. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind, and are easier to control.

Inspect the tool for misalignment or binding of moving parts, broken parts, and any other condition that may affect the operation of the tool. If it is damaged, have the tool serviced before using it. Many accidents are caused by poorly maintained tools.

Use only accessories that are recommended by the manufacturer for this model. Accessories that are suitable for one tool may become hazardous when used with another tool.

SERVICE

Tools servicing must be performed by qualified personnel. Service or maintenance performed by non-qualified personnel could result in a risk of injury.

When servicing a tool, use only identical replacement parts. Follow the instructions in the Maintenance section of this Manual. The use of unauthorized parts or failure to follow the instructions in the Maintenance section of this Manual may create a risk of electric shock or injury.

SPECIFIC IMPACT WRENCH SAFETY RULES

⚠️ WARNING: Know your impact wrench. Do not plug in the charger or install the battery in the tool until you have read and understand this Instruction Manual. Learn the tool's 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.



Always wear eye protection. Any power tool can throw foreign objects into your eyes and cause permanent eye damage. ALWAYS wear safety goggles (not glasses) that comply with ANSI safety standard Z87.1. Everyday glasses have only impact resistant lenses. They ARE NOT safety glasses.

⚠️ WARNING: Glasses or goggles not in compliance with ANSI Z87.1 could cause serious injury when they break.

⚠️ WARNING: Always use a safety shield, hearing protection and dust mask when drilling concrete.

Use only impact sockets and accessories that are designed for use with an impact wrench. Do not use chrome plated sockets and accessories. Chrome plated sockets and accessories are designed for hand use only and MUST NOT be used with an impact wrench. They may shatter and possibly cause serious injury.

Before each use, check the impact sockets and accessories for excessive wear or cracks. Worn or damaged sockets or accessories may shatter and possibly cause serious injury. Worn accessories may allow the socket to come off during operation of the impact wrench.

Never use the impact wrench as a torque wrench. Always use a torque wrench to adjust the fastener to the specified torque.

Keep the impact wrench handle and body clean and free of oil and grease. Always use a clean dry cloth when cleaning. Do not use solvents, brake fluid, gasoline or other petroleum products to clean the tool. They will damage the tool.

Do not wear neckties or loose clothing.

When wearing gloves, they must be tight fitting and slip resistant type. Leather gloves offer the best protection.

Always use two hands when operating the impact wrench. Use one hand on the handle and the other on the front of the tool body.

Never place your hand so it is touching the socket or accessory when the tool is turned ON. Your hand could be seriously injured.

Always remove the plug from the power source before installing or removing any socket or accessory.

Be ready for components to shift when removing any fastener. The speed of the fastener removal could cause unexpected shifting of the components.

 WARNING: Only use the charger supplied with this tool to charge the battery.

Do not store or carry a battery in a manner in which metal objects could contact the exposed metal end. Do not place a battery in aprons, pockets, drawers, etc. with loose nails, screws, keys etc. The battery could short circuit causing a fire, personal injury or damage to the battery.

Never attempt to open the battery for any reason. If the housing of the battery breaks or cracks, immediately discontinue use and do not recharge.

Do not charge the battery if it is wet or shows any evidence of corrosion.

A small leakage from the battery may occur under extreme usage, charging or temperature conditions. This does not indicate a failure. However, if the outer seal is broken and this leakage gets on your skin, follow these steps:

1. Wash immediately with soap and water.
2. Neutralize with a mild acid, such as lemon juice or vinegar.
3. If liquid gets into your eyes, flush immediately with clean water for a minimum of 10 minutes and seek medical attention.

NOTE: The battery liquid is slightly acidic.

Do not incinerate the battery. It can explode in a fire.

Do not use an extension cord. Plug the charger cord directly into an electrical outlet.

Use the charger only in a standard 120V, 60 Hz electrical outlet.

Do not use the charger in wet or damp conditions. It is intended for indoor use only. Do not use the charger near sinks or tubs. Do not immerse the charger in water.

Do not allow the cord to hang over the edge of a table or counter or touch hot surfaces. The charger should be placed away from sinks and hot surfaces.

Do not operate charger if the cord or plug is damaged. Replace the damaged cord and plug immediately.

Do not operate the charger if it has received a sharp blow, been dropped or otherwise damaged in any way. Have a qualified technician examine the charger and repair it if necessary. Do not disassemble the charger.

Do NOT charge the batteries when the work area or the battery temperature is at or below 0° C (32° F) or above 45° C (113° F).

Unplug the charger when not in use and before cleaning or maintenance.

BATTERY PACK RECYCLING




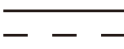












To preserve our natural resources, please recycle or dispose of batteries properly.

The batteries charged by this charger may contain chemicals and metals that are harmful to the environment. Never dispose of re-chargeable batteries in your normal household garbage or in landfill sites as they will add to the pollution of the environment.

Consult your local waste authority for information regarding additional available recycling and disposal options.

SYMBOLS

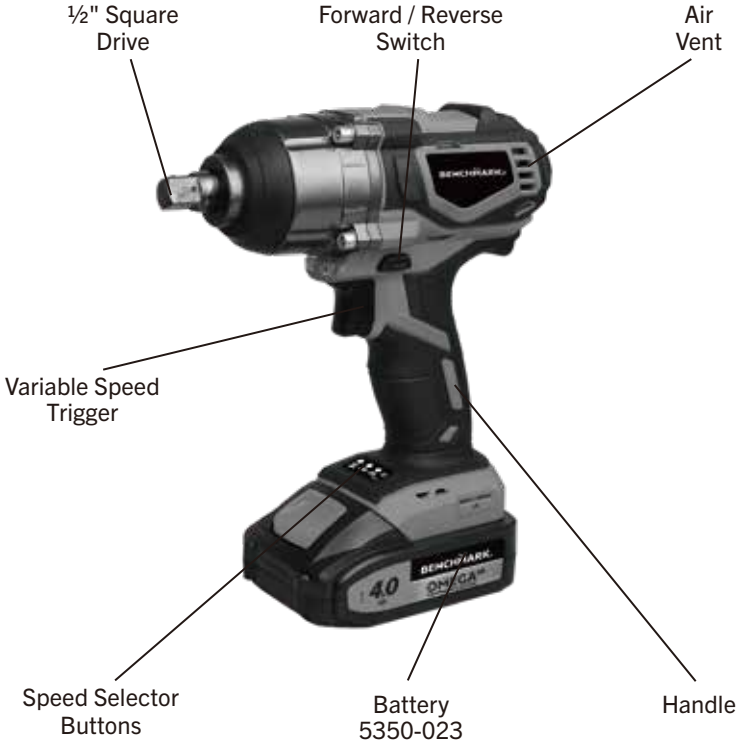
⚠️ WARNING: Some of the following symbols may appear on the impact wrench. Study these symbols and learn their meaning. Proper interpretation of these symbols will allow for more efficient and safer operation of this tool.

V	VOLTS		Three-phase alternating current with neutral
A	Amperes		Direct current
Hz	Hertz	n₀	No load speed
W	Watts		Alternating or direct current
kW	Kilowatts		Class II construction
µF	Microfarads		Splash-proof construction
L	Liters		Watertight construction
kg	Kilograms		Protective grounding at grounding terminal, Class I tools
H	Hours	.../min	Revolutions or reciprocations per minute
N/cm²	Newtons per square centimeter	∅	Diameter
Pa	Pascals	0	Off position
OPM	Oscillations per minute		Arrow
MIN	Minutes		Warning symbol
S	Seconds		Wear your safety glasses
 or ac.	Alternating current		Wear a dust mask
 3	Three-phase alternating current		Wear hearing protection



This symbol designates that this tool is listed with Canadian and U.S. requirements by ETL Testing Laboratories, Inc. Conforms to UL Std. 60745-1 and 60745-2-11. Certified to CAN/CSA Std. C22.2 No. 60745-1 and 60745-2-11.

**20V MAX BRUSHLESS 20V MAX 2VSR
IMPACT WRENCH**



ASSEMBLY AND OPERATION

CHECKING THE BATTERY CHARGE STATUS

The level of charge remaining in the battery can be checked by using the battery LED power indicator that is contained on the end of the battery.

NOTE: The battery charge remaining may be checked while the battery is installed in the tool with the ON/OFF switch turned OFF. It may also be checked while the battery is removed from the tool. **DO NOT** check the battery charge remaining while the battery is in the charger. You will get a false reading and you may also damage the battery status system.

1. Press and hold the battery status button located on the end of the battery.
2. One or more of the Four LED lights in the LED window will come ON to indicate the amount of charge that is remaining in the battery as follows:

Charge Level Indicator						
Amount of Charge Remaining	0 - 10%	10 - 25%	25 - 50%	50 - 75%	75 - 100%	

3. Release the battery status button to turn the LED's OFF.

CHECKING THE BATTERY PACK

1. Place the battery charger (1) in a dry location near a 110–120V 60 Hz electrical outlet (Fig. 1).
2. Plug the battery charger into the outlet and make sure the green LED indicator light (5) comes ON. If it does not, refer to the chart (Fig. 2) to identify the problem.
3. Turn the battery (2) upside down and slide it onto the charger. NOTE: Make sure the grooves (3) in the sides of the battery slide over the matching tabs on the charger (4) until the battery latch “clicks” into place.



FIG. 1

- NOTE:** a) When the charger is plugged into the wall receptacle and NO battery is on the charger, the green indicator light (5) will turn ON indicating the charger is “live”.
- b) When a discharged battery is installed on the charger, the green indicator light will turn OFF and the red indicator light (6) will FLASH. The flashing red indicator light indicates the battery is being charged.
- c) If the red indicator light does not come ON, check to make sure battery pack is slid fully onto the charger and the electrical outlet is working properly.
- d) See Fig. 2 at right for other indicator light functions.
- e) A discharged battery pack should be fully charged in up to 120 minutes.
- f) It is normal for the battery charger to hum and be warm to the touch during operation.
- g) If the battery pack does not charge properly, check to make sure the electrical outlet is “live”.
- h) Do NOT charge batteries when the work area or the battery temperature is at or below 5°C (41° F) or above 40°C (105° F).

Green Light	Red Light	Battery Inserted Into Charger	Charging Status
ON	OFF	ON	Charger connected to power supply
OFF	Flashing	YES	Battery being charged
ON	OFF	YES	Battery fully charged
OFF	ON	YES	Battery defective or bad contact
ON	ON	YES	Battery too hot or too cold to be charged

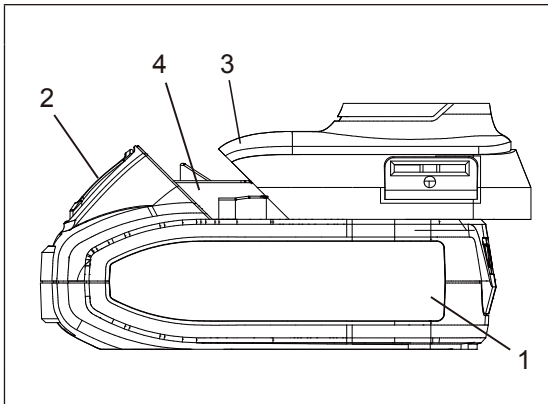
FIG. 2

INSTALLING A BATTERY IN THE IMPACT WRENCH

1. Remove the discharged battery (1) from the impact wrench by pressing downward on the battery release button (2) and sliding the battery backward until it is removed from the drill handle (3) (Fig. 3).
2. Slide the fully charged battery onto the matching keys (4) in the impact wrench handle where the discharged battery has been removed.

NOTE: Make sure the slots in the battery are fully engaged with the mounting keys in the handle handle. The battery release button will “click” into place when the battery is fully installed.

⚠️ WARNING: Do not immerse the battery pack in water. Sudden cooling could cause a hot battery to explode or leak.

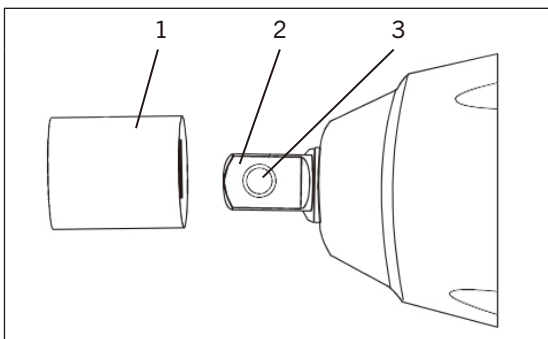
**FIG. 3**

INSTALLING IMPACT SOCKETS

⚠️ WARNING: Use only impact sockets and accessories that are designed for use with an impact wrench. Do not use chrome plated sockets and accessories. Chrome plated sockets and accessories are designed for hand use only and **MUST NOT** be used with an impact wrench. They may shatter and possibly cause serious injury.

⚠️ WARNING: Always remove the battery from the tool before changing any sockets, bits or accessories. You may injure your hand if the tool is started accidentally.

To install a socket, press the square portion of the socket (1) onto the square drive (2) of the impact wrench (Fig. 4).

**FIG. 4**

NOTE: Slide the socket fully onto the square drive so the socket retainer (3) will hold the socket firmly in place

FORWARD/REVERSE BUTTON

This impact wrench is equipped with a forward/reverse button (1) (Fig. 5).

1. To operate the impact wrench in the reverse direction, press the forward/reverse button to the RIGHT. This direction of rotation will **loosen** the fastener.
2. To operate the impact wrench in the forward direction, press the forward/reverse button to the LEFT. This direction of rotation will **tighten** the fastener.

**FIG. 5**

NOTE: Never press the forward/reverse button while the impact wrench is turned ON. Damage to the tool will result.

VARIABLE SPEED TRIGGER SWITCH

This impact wrench is equipped with a variable speed ON/OFF trigger switch.

1. To start the impact wrench, gently squeeze the trigger switch (2) (Fig. 6).

NOTE: The impact wrench will turn at its slowest speed when the trigger switch is depressed slightly. The impact wrench will turn at its fastest speed when the trigger switch is fully depressed.

2. To stop the impact wrench, release the trigger switch.

NOTE: Never allow your hand to cover the air vents of the impact wrench. Running the tool at slow speeds will cause it to heat up. If the tool gets warm while running at slow speeds, stop and allow it to cool.

**FIG. 6**

SPEED AND AUTO-STOP CONTROL

(Located on tool foot)

Push the selection button when the tool is in forward for low or high speeds. Push to select the auto-stop feature when the tool is in reverse.

Speed	Direction	Lights	Application
Low	Forward	On	Low torque and finish work such as plastic trim or installation
High	Forward	On	Higher torque such as driving self-tapping screws
Reverse Auto-Stop	Reverse	On	To loosen screws or bolts

⚠️ WARNING: For safety reasons, the operator must read the sections of this Owner's Manual entitled "GENERAL SAFETY WARNINGS", "POWER TOOL SAFETY", "SPECIFIC SAFETY RULES", "BATTERY AND CHARGER SAFETY" and "SYMBOLS" before using this impact wrench.

Verify the following every time the impact wrench is used:

1. Safety glasses and hearing protection are being worn.
2. Socket or accessory is "impact wrench" rated.
3. Socket or accessory is in good condition.

Failure to observe these safety rules will significantly increase the risk of injury.

REMOVING FASTENERS

One of the most common uses for the impact wrench is to remove car wheel nuts for rotating the tires. Car wheel nut removal is used for illustrative purposes.

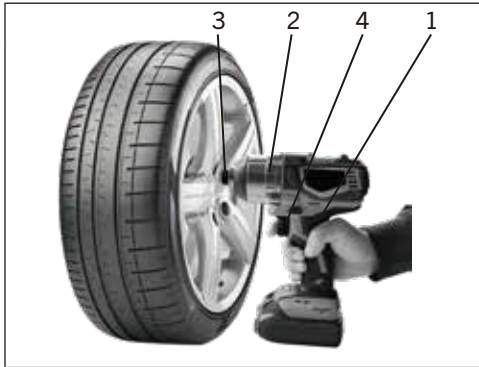
⚠️ DANGER: BEFORE ATTEMPTING TO REMOVE A CAR WHEEL, MAKE SURE ALL JACKING, WHEEL BLOCKING AND WHEEL REMOVAL SAFETY PROCEDURES ILLUSTRATED IN THE OWNER'S MANUAL FOR YOUR CAR ARE FOLLOWED EXACTLY. FAILURE TO FOLLOW THOSE SAFETY INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH.

1. Install the correct size of impact socket on the impact wrench.
2. Set the forward/reverse button to the RIGHT for removing fasteners.
3. Insert the battery in the tool.
4. Grasp the impact wrench handle (1) with one hand and the front housing of the impact wrench (2) with the other hand (Fig. 7).
5. Place impact socket (3) onto the wheel nut.

NOTE: Make sure the socket is fully engaged with the nut to avoid potentially damaging the socket or the wheel nut.

6. While holding the tool level with the ground and with a firm grasp, squeeze the trigger switch (4).

When removing fasteners, do not allow the impact wrench to operate more than 15 seconds unless the fastener begins to turn. If the fastener fails to turn within 15 seconds, reverse the direction of rotation and operate the impact wrench in a forward direction on the fastener for a few seconds. Now switch back to reverse direction and remove the fastener. This procedure will usually break loose seized or "frozen" fasteners.

**FIG. 7**

⚠️ WARNING: Operating the impact wrench for more than 15 seconds at a time on a seized or "frozen" fastener will place severe stress on the impact wrench and cause damage. It may also break the fastener.

MAINTENANCE

GENERAL

⚠️ WARNING: When servicing, use only identical replacement parts. The use of any other part may create a hazard or cause product damage.

DO NOT use solvents when cleaning plastic parts. Plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use a clean cloth to remove dirt, dust, oil, grease etc.

⚠️ WARNING: DO NOT allow brake fluids, gasoline, petroleum-based products, penetrating oils, etc. to come into contact with plastic parts. They contain chemicals that can damage, weaken, or destroy plastic.

DO NOT abuse power tools. Abusive practices can damage the tool and the workpiece.

⚠️ WARNING: DO NOT attempt to modify tools or create accessories. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious injury. It will also void the warranty.

LUBRICATION

All of the bearings in this tool are lubricated with a sufficient amount of high-grade lubricant for the life of the unit under normal conditions. Therefore, no further lubrication is required.

LITHIUM-ION BATTERY PERFORMANCE

Lithium-ion rechargeable batteries generally provide superior performance to nickel-cadmium batteries when used in power tools.

- Faster charges
- Longer battery life
- More power
- Lighter weight

Lithium-ion batteries perform best and deliver peak output power at room temperature (20° C or 68° F). When operated in lower temperatures, the battery output will be reduced and it will NOT function below -20° C (-4° F). The output power will increase as the heat generated by the battery during use increases the internal temperature of the battery. The result is increased power as the tool is used.

LITHIUM-ION BATTERY MAINTENANCE

Lithium-ion batteries share many characteristics with nickel-cadmium batteries.

The major characteristic that is NOT shared with nickel-cadmium batteries is that Lithium-ion batteries do not have a “memory” and do not require to be completely discharged periodically. It is recommended that you charge your Lithium-ion batteries after each use so they will be fully charged when needed.

NOTE: A fully charged battery will lose about 2% of its charge per month during storage.

BATTERY PACK REMOVAL AND PREPARATION FOR RECYCLING

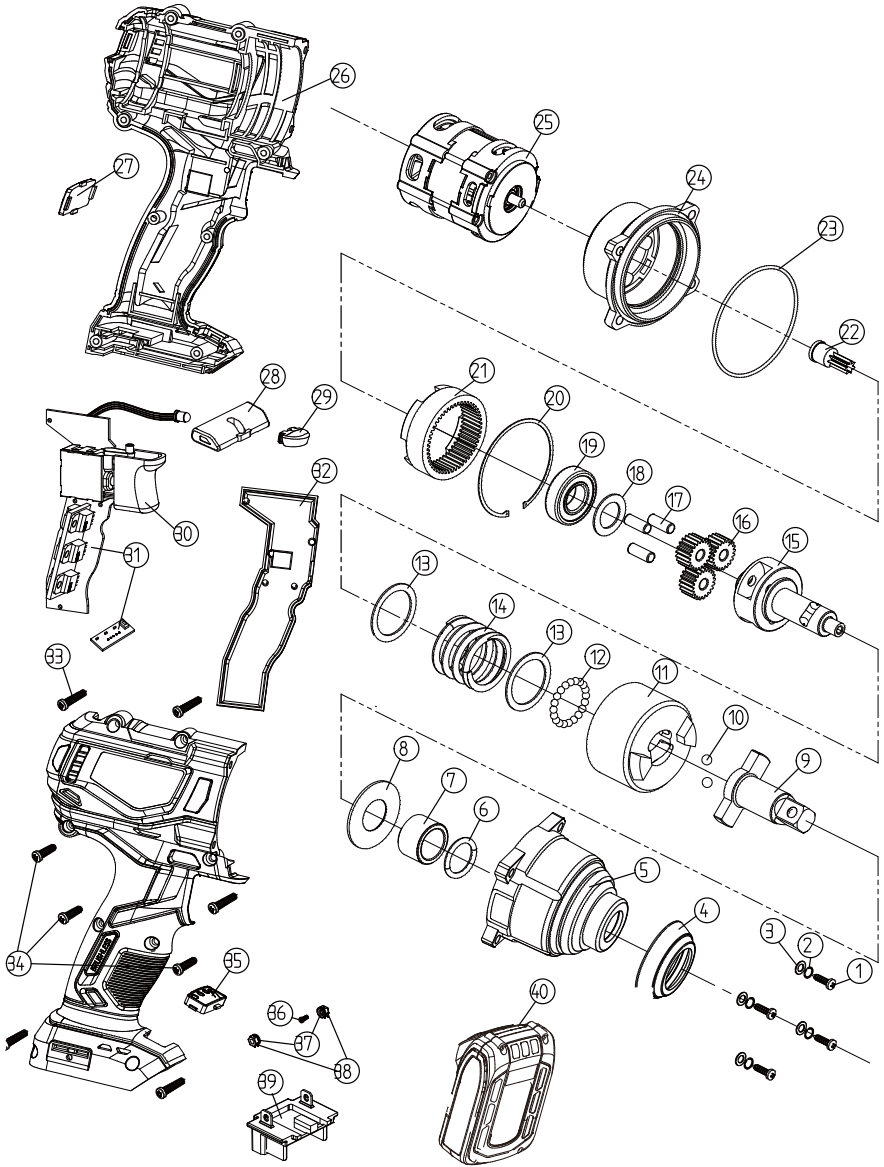
To preserve our natural resources, please recycle or dispose of batteries properly.

The batteries supplied with this tool may contain chemicals and metals that are harmful to the environment. Never dispose of rechargeable batteries in your normal household garbage or land fill sites because they will add to the pollution of the environment.

Consult your local waste authority for information regarding available recycling and disposal options.

⚠ WARNING: If the battery pack has been removed from the tool, cover the terminals of the battery pack with electrical tape or heavy-duty adhesive tape. Never touch both terminals with metal objects or body parts, because a short circuit may result. Keep away from children. Do not attempt to destroy or disassemble battery pack or remove any of its components. Rechargeable batteries must be recycled or disposed of properly. Failure to comply with these warnings could result in fire and serious injury.

EXPLODED VIEW



PARTS LIST

Always order by part number.

KEY #	PART #	PART NAME / QUANTITY	KEY #	PART #	PART NAME / QUANTITY
1	4030090006	Inner Six Angles /4	22	2010180050	Motor Gear /1
2	4040030003	Spring Washer /6	23	3140020130	Type O Sealing Ring /1
3	4040010011	Washer /4	24	4020010015	M5x10 /2
4	3140100012	Rubber Sleeve /1	25	3140020108	Rubber Column /1
5	2020050080	Aluminum Armet /1	26	2020010028	Gear Box /1
6	3140020017	Type O Sealing Ring /1	27	1030240002	Motor /1
7	2010080012	Shaft Coat /1	28	3010020033	Enclosure /2
8	2030020034	Washer #1 /1	29	1060050017	Switch /1
9	2040050021	Outer Shaft /1	30	3120030129	Direction Setting Button /1
10	4080070001	Ball /2	31	2030100064	Holder /1
11	2040200009	Washer #2 /1	32	4020010027	M3x6 /1
12	4080040001	Torque Spring /24	33	2020180005	Cooling Aluminum Parts /1
13	2030020035	Inner Shaft /1	34	3150170016	Conducting Plate /1
14	2050060178	Planetary Gear /1	35	4030010106	St3.9x19 /6
15	2040050022	Inner Shaft /1	36	2030100070	Hook /1
16	2010010027	Planetary Gear /3	37	4020010031	M3x10 /1
17	4110050003	Pin 6x15.5 /3	38	4040080003	External Serrated Lock Washer /1
18	2030020229	Washer #3 /1	39	4060010003	Hex Nut M3 /2
19	4010010084	Bearing 6002rs /1	40	1290090046	Battery Pack /1
20	4100010014	Inner Clip /1			
21	2010090083	Ring Gear /1			

⚠ WARNING: When servicing, use only original equipment replacement parts. The use of any other parts may create a safety hazard or cause damage to the tool.

Any attempt to repair or replace electrical parts on this tool may create a safety hazard unless repairs are performed by a qualified technician. For more information, call the Toll-free Helpline, at 1-866-349-8665.

WARRANTY

If this Benchmark tool fails due to a defect in material or workmanship within five years from the date of purchase, return it to any Home Hardware store with the original bill of sale for exchange. 3-year warranty for the battery and charger. This warranty does not include expendable parts including but not limited to blades, brushes, belts, light bulbs.

This warranty covers defects in material or workmanship only. It does not cover normal wear and tear, failure due to abuse/misuse, or defects caused by careless or accidental mishandling. If this Benchmark product is used for commercial or rental purposes, this warranty does not apply.

20V MAX BRUSHLESS 1/2" IMPACT WRENCH



5 Year Limited Warranty
3 Year Limited Warranty on
Battery and Charger

BENCHMARKTM_{MC}

BENCHMARK TOOLS CANADA

ST. JACOBS, ONTARIO N0B 2N0

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CUSTOMER SERVICE/TECH SUPPORT

1-866-349-8665

1239-301

Made in China



* This BenchmarkTM product carries a five (5) year LIMITED warranty against defects in workmanship and materials. The charger and batteries carry a three (3) year LIMITED warranty. See Owner's Manual for full details.



Intertek

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JD509820

**READ ALL INSTRUCTIONS BEFORE FIRST USE.
KEEP THIS MANUAL FOR FUTURE REFERENCE.
KEEP AWAY FROM CHILDREN.**

Maximum initial battery voltage (measured without a load)
is 20 volts. Nominal voltage is 18 volts.



**WEAR CSA APPROVED
EYE PROTECTION**



**WEAR EAR
PROTECTION**



**WEAR A
FACE MASK**