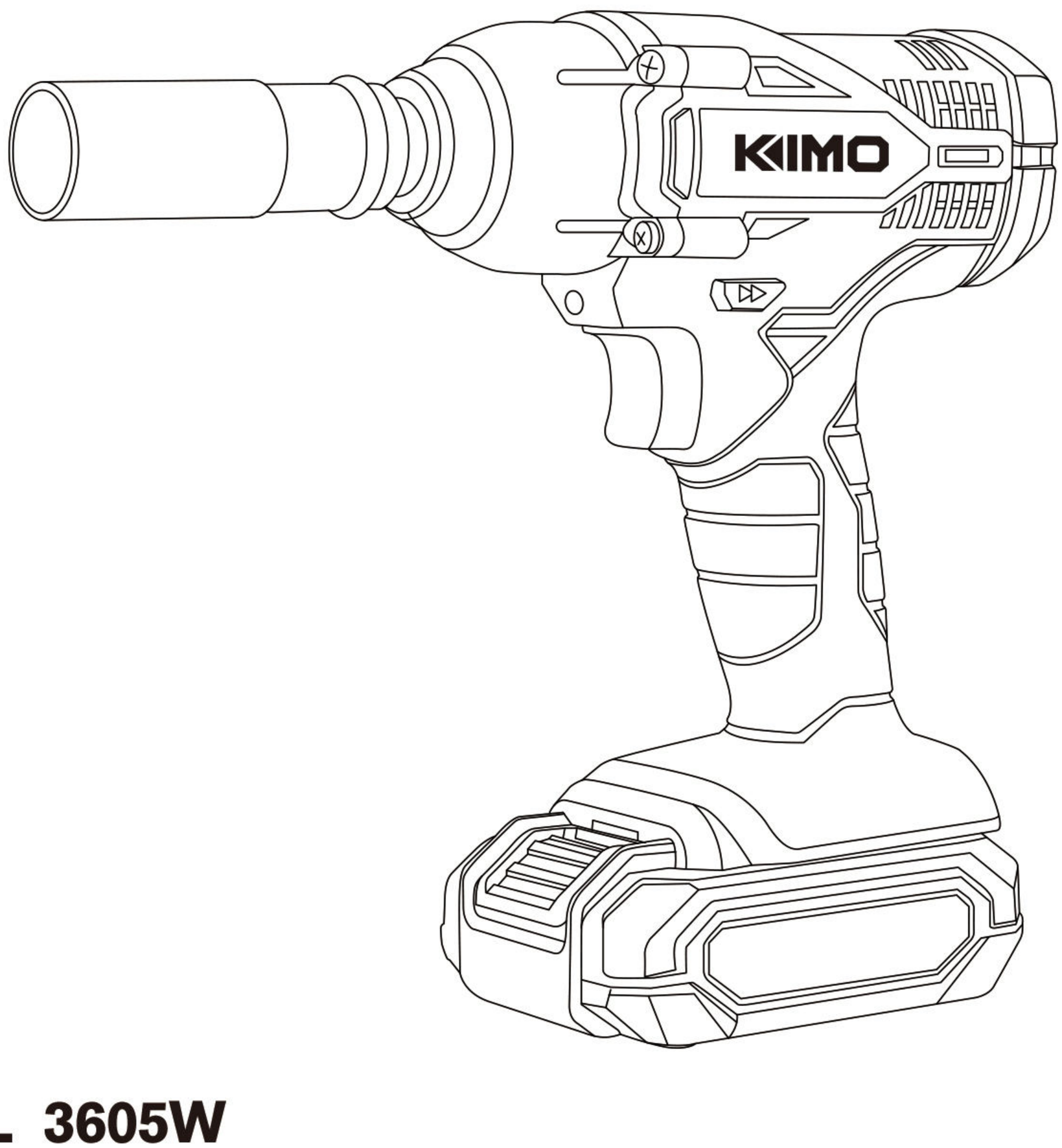
INSTRUCTION MANUAL



MODEL 3605W

CORDLESS IMPACT WRENCH

www.kimotool.com

If you have questions or comments, contact us at

service@kimotools.com

CONTENTS

service@kimotools.com

SAVE THIS INSTRUCTIONAL MANNUAL FOR FUTURE REFERENCE.

Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.

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, **may** result in **minor or moderate injury.**

NOTE: Indicates a practice not related to personal injury which, if not avoided, **may** result in **property damage.**

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

GENERAL SAFETY RULES

WORK AREA SAFETY

- **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.

- **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

- **Keep proper footing and balance at all times.** Proper footing and balance enable better control of the tool in unexpected situation.

ELECTRICAL SAFETY

- **Don't expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

- **The chargers power plug must match the outlet.** Never modify the plug or plug the tool into outlets that do not match the plug.

- **Avoid to contact with grounded elements such as metal tables, pipes, ranges or refrigerators.** Contact with these elements can put you at a risk of electrical shock.

- **Always inspect electrical cord for damage before and after use.** A damaged cord can cause electrical shock.

- **If the user must use the tool in damp conditions, use a ground fault circuit interrupter (GFCI).**

PERSONAL SAFETY

- **Stay alert, watch what you are doing and use common sense when operating a power tool.** Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.

- **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothing, jewelry, or long hair can be caught in moving parts. Air vents often cover moving parts and should also be avoided.

- **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.

- **Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.

- **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enable better control of the tool in unexpected situations.

- **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 prolonged use.** The tool's repetitive motion and vibration can cause harm to your hands or arms. The user can use gloves for extra cushion, take frequent breaks and limits daily use to prevent this issue.

- **Never place hands or any other body parts close to the shoe of the tool.** The tool might eject a fastener and could result in death or serious personal injury.

- **For overhead work, wear safety helmet.**

POWER TOOL USE AND CARE

- **Know this tool.** Read this manual carefully, learn its applications and limitations, as well as the specific potential hazards related to this tool.

- **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

- **Use clamps or other practical way to secure and support the work piece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.

- **Always have a firm footing and grip on the tool to counteract any force that may be enacted during the operation of the tool.**

- **Practice safe working practices ad ensure all relevant legal requirements are being followed when using this tool.**

- **Never point the tool at the user or others in the work area.** This could cause serious injury.

- **Never use this tool in a manner that could cause a saw blade to be directed toward anything other than the workpiece**

- **Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.

- **Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.

- **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.

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

- **Check for misalignment or binding of moving parts, break- age of parts, and any other condition that may affect the tool's operation.** If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.

- **Before making adjustments, changing accessories, or storing the tool, please disconnect the tool from the battery.** This will reduce the risk of injury from the power tool.

- **Maintain the tool with care.** A properly maintained tool will function more smoothly and prevent binding, making it easier to use.

- **Check operation of the tool before use.** Do not use the tool if the workpiece contact mechanism is not working correctly as accidental driving of a fastener may occur.

- **Do not use the tool if the trigger does not actuate properly.** Any tool that cannot be controlled with the trigger is dangerous and must be repaired.

- **Do not use this tool as a hammer.**

- **Do not drop or throw this tool. Dropping or throwing the tool can result in damage that will make the tool unusable or unsafe.** If the tool has been dripped or thrown, examine the tool closely for bent, cracked or broken parts. STOP and repair before using or serious injury could occur.

BATTERY USE AND CARE

- **Only use batteries that are recommended for this tool by the manufacturer.** Use any other battery may cause risk of injury or fire.

- **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 265°F (130°C) 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.

- **Before cleaning the charger, make sure to unplug it from any power source.** This will reduce the risk of an electrical shock.

TOOL SERVICE

- **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.

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

- **Tool service must only be performed by a qualified repair personnel.**

ADDITIONAL SAFETY RULES FOR OPERATION

- **Hold the power tool by insulated gripping surfaces,** when performing an operation where the fastener may contact hidden wiring. Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

- **Always be sure you have a firm footing.**

- **Be sure no one is below** when using the tool in high locations.

- **Hold the tool firmly.**

- **Wear ear protectors.**

- **Do not touch the socket or the work piece immediately after operation.** They may be extremely hot and could burn your skin.

- **Keep hands away from rotating parts.**

WARNING! If any parts are missing, do not operate this tool until the missing parts are replaced. Failure to do so may result in serious personal injury. Please contact us for the missing parts.

SPECIFIC SAFETY FOR LITHIUM-ION

- **Do not incinerate the battery pack even if it is severely damaged or is completely worn out.** The battery pack can explode in a fire. Toxic fumes and materials are created when lithium ion battery packs are burned.

- **If battery contents come into contact with the skin, immed--iately wash area with mild soap and water.** If battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is com--posed of a mixture of liquid organic carbonates and lithium salts.

- **Contents of opened battery cells may cause respiratory irritation.** Provide fresh air. If symptoms persist, seek medical attention.

WARNING! Burn hazard. Battery liquid may be flammable if exposed to spark or flame.

IMPORTANT SAFETY FOR ALL BATTERY CHARGERS

- **DO NOT attempt to charge the battery pack with any chargers other than the ones in this manual.** The charger and battery pack are specifically designed to work together.

- **These chargers are not intended for any uses other than charging KIMO rechargeable batteries.** Any other uses may result in risk of fire, electric shock or electrocution.

- **Do not expose the charger to rain or snow.**

- **Pull by the plug rather than the cord when disconnecting the charger.** This will reduce the risk of damage to the electric plug and cord.

- **Make sure that the cord is located so that it will not be stepped on, tripped over or otherwise subjected to damage or stress.**

- **Do not use an extension cord unless it is absolutely necessary.** Use of improper extension cord could result in risk of fire, electric shock or electrocution.

- **When operating a charger outdoors, always provide a dry location and use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

- **Do not place any object on top of the charger or place the charger on a soft surface that might block the ventilation slots and result in excessive internal heat.** Place the charger in a position away from any heat source. The charger is ventilated through slots in the top and the bottom of the housing.

- **Do not operate the charger with a damaged cord or plug.**

- **Do not operate the charger if it has received a sharp blow, been dropped or otherwise damaged in any way.** Contact us immediately.

- **Do not disassemble the charger; take it to an authorized service center when service or repair is required.** Incorrect reassembly may result in a risk of electric shock, electrocution or fire.

- **Disconnect the charger from the outlet before attempting any cleaning.** This will reduce the risk of electric shock. Removing the battery pack will not reduce this risk.

- **NEVER** attempt to connect 2 chargers together.

- **The charger is designed to operate on standard 120V household electrical power. Do not attempt to use it on any other voltage.** This does not apply to the vehicular charger.

WARNING! Shock hazard. Do not allow any liquid to get inside the charger. Electric shock may result.

CAUTION! Burn hazard. To reduce the risk of injury, charge only KIMO rechargeable battery packs. Other types of batteries may overheat and burst resulting in personal injury and property damage.

NOTICE: Under certain conditions, with the charger plugged into the power supply, the charger can be shorted by foreign material. Foreign materials of a conductive nature, such as, but not limited to, grinding dust, metal chips, steel wool, aluminum foil or any buildup of metallic particles should be kept away from the charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug the charger before attempting to clean.

WARNING! Never modify the power tool or any part of it. Damage or personal injury could result.

COMPONENTS AND SPECIFICATIONS

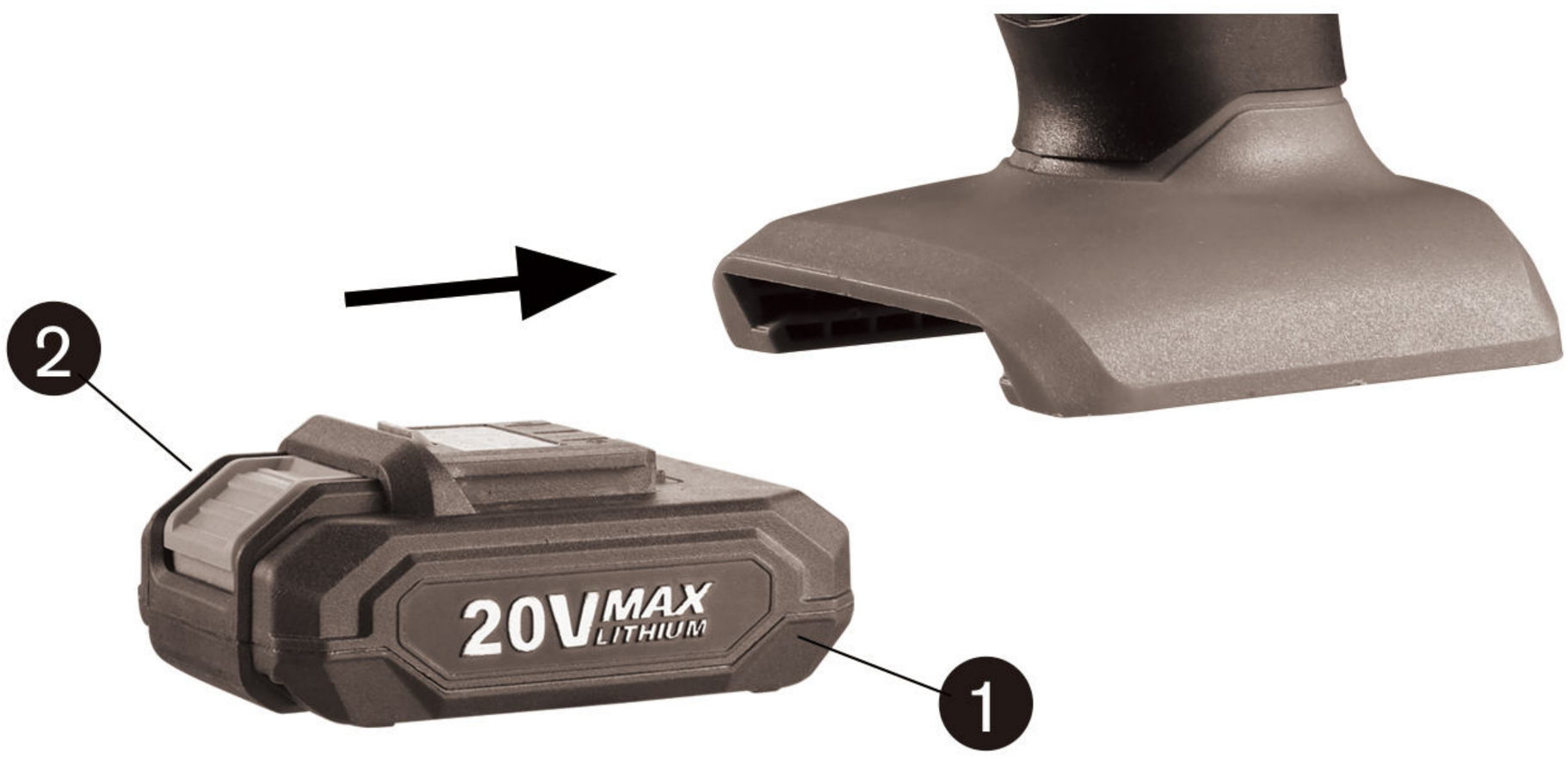
1. Square Driver
2. LED Light
3. Trigger
4. Battery Slide Button
5. F/R Switch
6. Lithium-Ion Battery

Model:		3605W
Fastening capacities	Standard bolt	M6 - M16 (1/4” - 5/8”)
	High tensile bolt	M10 - M14 (3/8” - 9/16”)
No Load Speed （RPM） 0-2300/min		
Square drive		12.7mm (1/2”)
Impacts per minute		0 - 3600 /min
Max. Torque		227N.m(2000 in-lbs)
Voltage		DC 20V
Battery Specification		Li-ion, 2.0Ah
Battery Charge		120V, 60Hz
Charging Time		1 Hour
Measurement		175*70*185mm (7*3*8)INCHES
New weight		2.6kg(5 lbs)

SPECIFIC INSTRUCTIONS

CAUTION: Always be sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.

Installing and Removing the Battery Pack from the Tool



NOTE: For best results, make sure your battery pack is fully charged.

NOTE: Operating temperature of this tool is 19 ° to 104 °F (-7 ° to +40 °C). Using the tool outside of this temperature range will decrease the life of the tool.

To install the battery pack (①) into the tool handle, align the battery pack with the rails inside the tool handle and slide it into the handle until the battery pack is firmly seated in the tool and ensure that it does not disengage.

To remove the battery pack from the tool, press the release button (②) and firmly pull the battery pack out of the tool handle. Insert it into the charger as described in the charger section of this manual.

CAUTION! Always switch off the tool before installing or removing of the battery cartridge.

CAUTION! Hold the tool and the battery cartridge firmly when installing or removing battery cartridge. Failure to hold the tool and the battery cartridge firmly may cause them to slip off your hands and result in damage to the tool and battery cartridge and a personal injury.

Starting and Stopping

To turn ON and OFF the tool, pull and release the trigger switch.

NOTE: An LED is turned on when the switch is pulled.

To stop the tool, release the switch.

To lock the tool, depress the forward/reverse control button to the center position, until an audible click is heard.

WARNING! Always lock the trigger switch or remove the battery pack before performing maintenance, changing accessories, storing the tool and any time the tool is not in use.

Reversing Switch Action

CAUTION! Always check the direction of rotation before operation.

CAUTION! Use the reversing switch only after the tool comes to a complete stop.
Changing the direction of rotation before the tool stops may dam- age the tool.

WARNING! When not operating the tool, always set the reversing switch lever to the neutral position.

A forward/reverse button determines the direction of the tool and also serves as a lock-off button.

To select forward rotation, release the trigger switch (1) and depress the forward/reverse control button (2).

To select reverse, depress the forward/reverse control button (2) on the opposite.

NOTE: The center position of the control button (2) locks the tool in the off position. When changing the position of the control button, be sure the trigger (1) is released.

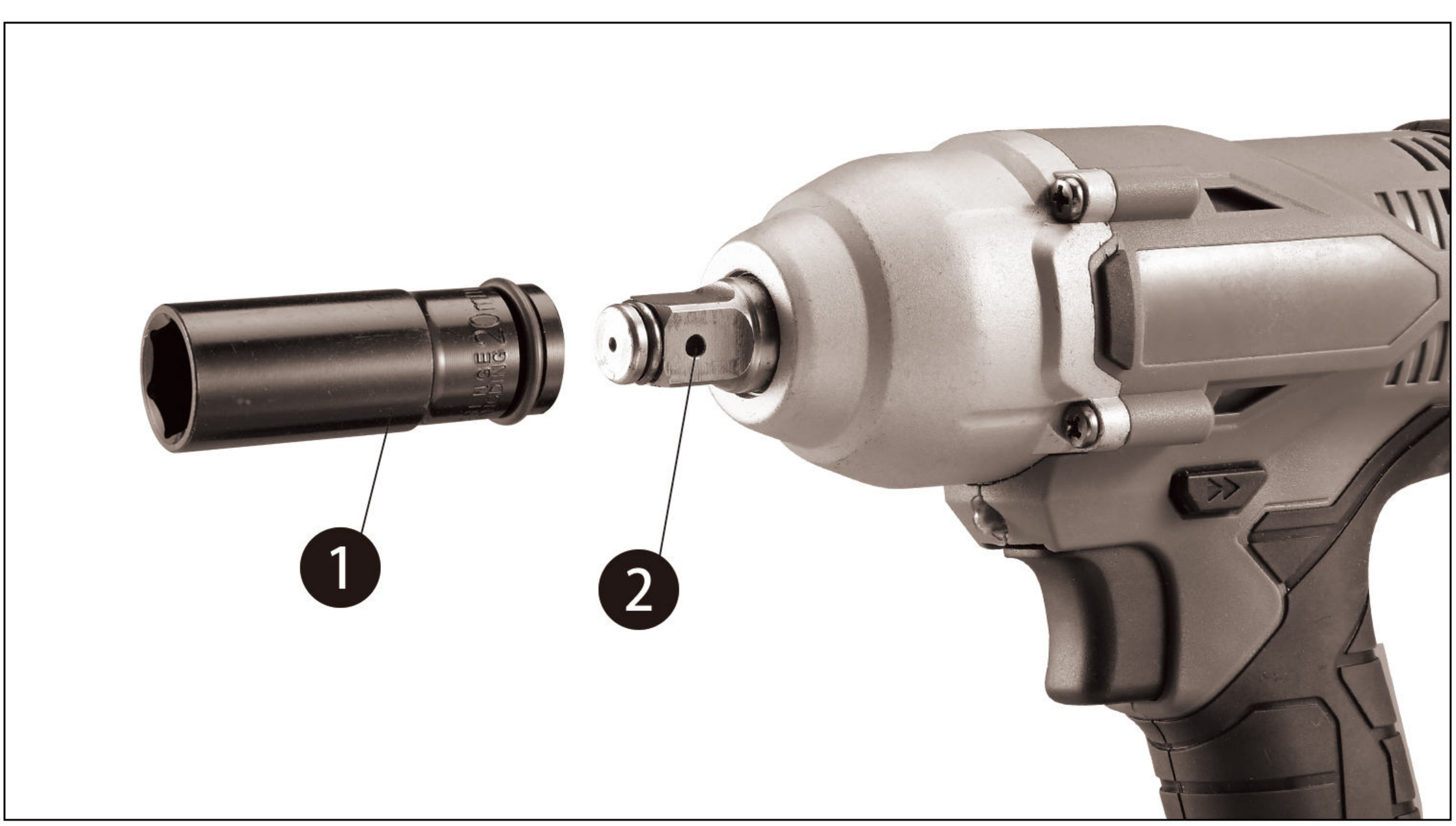
Attaching and Removing Sockets

WARNING! Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

WARNING! Make sure that the impact socket and the mounting portion are not damaged before installing the impact socket.

WARNING! After inserting the impact socket, make sure that it is firmly secured. If it comes out, do not use it.

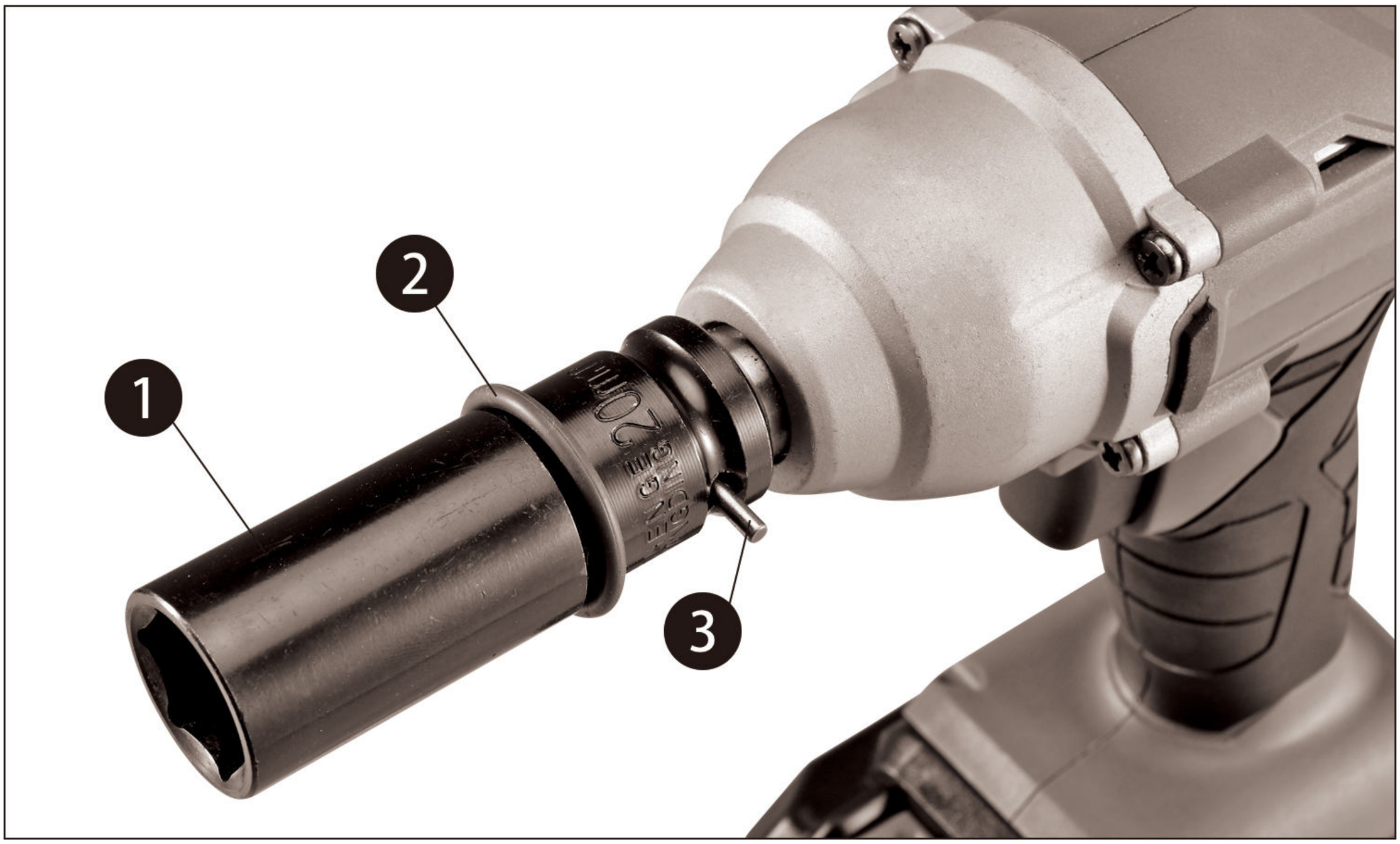
For impact socket without O-ring and pin



Align the hole (1) in the side of the impact socket with the detent pin (2) on the square drive and push the impact socket onto the square drive until it locks into place. Tap it lightly if required.

To remove the impact socket, simply pull it off.

For impact socket with O-ring and pin



Move the O-ring(2) out of the groove in the impact socket(1) and remove the pin(3) from the impact socket. Fit the impact socket onto the square drive so that the hole in the impact socket is aligned with the hole in the square drive.

Insert the pin through the hole in the impact socket and square drive. Then return the O-ring to the original position in the impact socket groove to retain the pin.

To remove the impact socket, follow the installation procedures in reverse.

Operation

WARNING! Always insert the battery cartridge all the way until it locks in place. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.

WARNING! Ensure fastener and/or system will withstand the level of torque generated by the tool. Excessive torque may cause breakage and possible personal injury.

- Place the socket on the square drive. Keep the tool pointed straight at the fastener.
- Press switch to start operation. Release the switch to stop operation. Always check torque with a torque wrench, as the fastening torque is affected by many factors including the following:

1. Voltage: Low voltage, due to a nearly discharged battery, will reduce fastening torque.
2. Nut/Bolt Size: Larger bolt diameters generally require higher fastening torque. Fastening torque will also vary according to length, grade, and torque coefficient.

3. Bolt: Ensure that all threads are free of rust and other debris to allow proper fastening torque.

4. Material: The type of material and surface finish of the material will affect fastening torque.

5. Fastening Time: Longer fastening time results in increased fastening torque. Using a longer fastening time than recommended could cause the fasteners to be overstressed, stripped, or damaged.

Difference Between Impact Driver & Impact Wrench

KIMO impact wrench is designed for tightening and loosen nut/bolt, it can be used as a screwdriver or drill-driver with an extra adapter (not included). However, choose and use the matching driver for the work will significantly increase efficiency and reduce the potential risk. KIMO provides impact-driver and drill-driver on Amazon.

Differences between them:

1. Impact drivers are used to drill long screws into wood or metal, whereas Impact wrenches are used to loosen or tighten nuts and bolts

2. Impact drivers are mostly used for renovations and DIY, whereas Impact wrenches are more used for car reparations.

3. Impact drivers have a ¼" hex collet, whereas Impact wrenches have a ½" square drive.

4. Impact Drivers are easy to use, whereas Impact wrenches are more powerful and heavier.

Charging Procedure

KIMO chargers are designed to charge KIMO battery packs in 40 to 60 minutes depending on the pack being charged.

To charge the battery:

1. Insert/Slide the battery pack into the charger as shown as below.

2. Plug the charger into an appropriate outlet after inserting the battery pack.

Recharge discharged batteries as soon as possible after use or battery life may be greatly diminished. for longest battery life, do not discharge batteries fully. It is recommended that the batteries be recharged after each use.

NOTE: Battery packs for this tool are shipped in a low charge condition to prevent possible problems.

NOTE: A battery that is new or has not been used for a longer period does not develop its full capacity until after approx. 5 charge/discharge cycles.

Charger Indicator

Red Indicator	Green Indicator	Battery Pack	Status
ON	OFF	Charging	Charging
OFF	ON	Charged	Charged
OFF	OFF	Short Circuited	Short Circuited

TROUBLE SHOOTING

Problems	Probable Causes	Solutions
Unit will not operate.	• Battery pack not installed correctly.	• Check battery pack installation.
	• Battery pack not charged.	• Check battery pack charging requirements.
Battery pack will not charge.	• Battery pack not inserted into the charger properly.	• Insert battery pack into charger and check red LED appears.
	• Charger not plugged in.	• Plug charger into a working outlet
	• Surrounding air temperature too hot or too cold.	• Move charger and battery pack to a surrounding air temperature of above 40°F or below 105°F
Unit shuts off abruptly.	• Battery pack had reached its maximum thermal limit.	• Allow the battery pack to cool down.
	• Out of charge.	• Place on charger and allow to charge.

MAINTENACE

WARNING! Any time inspection, maintenance, and cleaning are done be sure to remove battery from the tool and empty all fasteners from the magazine.

Cleaning

- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.

- We recommend that you clean the device immediately each time you have finished using it.

- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device.

- To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement) should be performed by a KIMO factory service center.

WARNING! Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the plastic materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

WARNING! Shock hazard. Disconnect the charger from the AC outlet before cleaning. Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions.

WARRANTY

Every KIMO power tool is warranted to the original purchaser only to be free from defects in material and workmanship. Subject to certain exceptions, KIMO will replace any part on an electric power tool that is defective in material or workmanship for a period of **2 years** after the date of purchase unless otherwise noted. This warranty does not apply to damage from repairs made or attempted by anyone other than KIMO, misuse, alterations, abuse, normal wear and tear, lack of maintenance, or accidents.

Normal Wear: Many power tools need periodic parts replacement and service to achieve best performance. This warranty does not cover repair when normal use has exhausted the life of a part including, but not limited to, chucks, brushes, cords, saw shoes, blade clamps, o-rings, seals and driver blades.

Warranty Registration is not necessary to obtain the applicable warranty on a KIMO power tool product.

This warranty applies to product sold in the U.S.A. only.

EXTENDED WARRANTY REGISTRATION

Dear Customer,

Thank you very much for choosing KIMO. At KIMO, customer satisfaction is our highest priority. In order to provide the best services, we would like to offer you an extra 6-month limited warranty. Below is the free registration process.

To register our extended warranty for your KIMO product, please send

1. your name,
2. your email AND
3. your Amazon order number to

service@kimotools.com

Our customer services representative will help you register within 24 hours.

Disclaimer: This policy is at the manufacturer's discretion.

service@kimotools.com