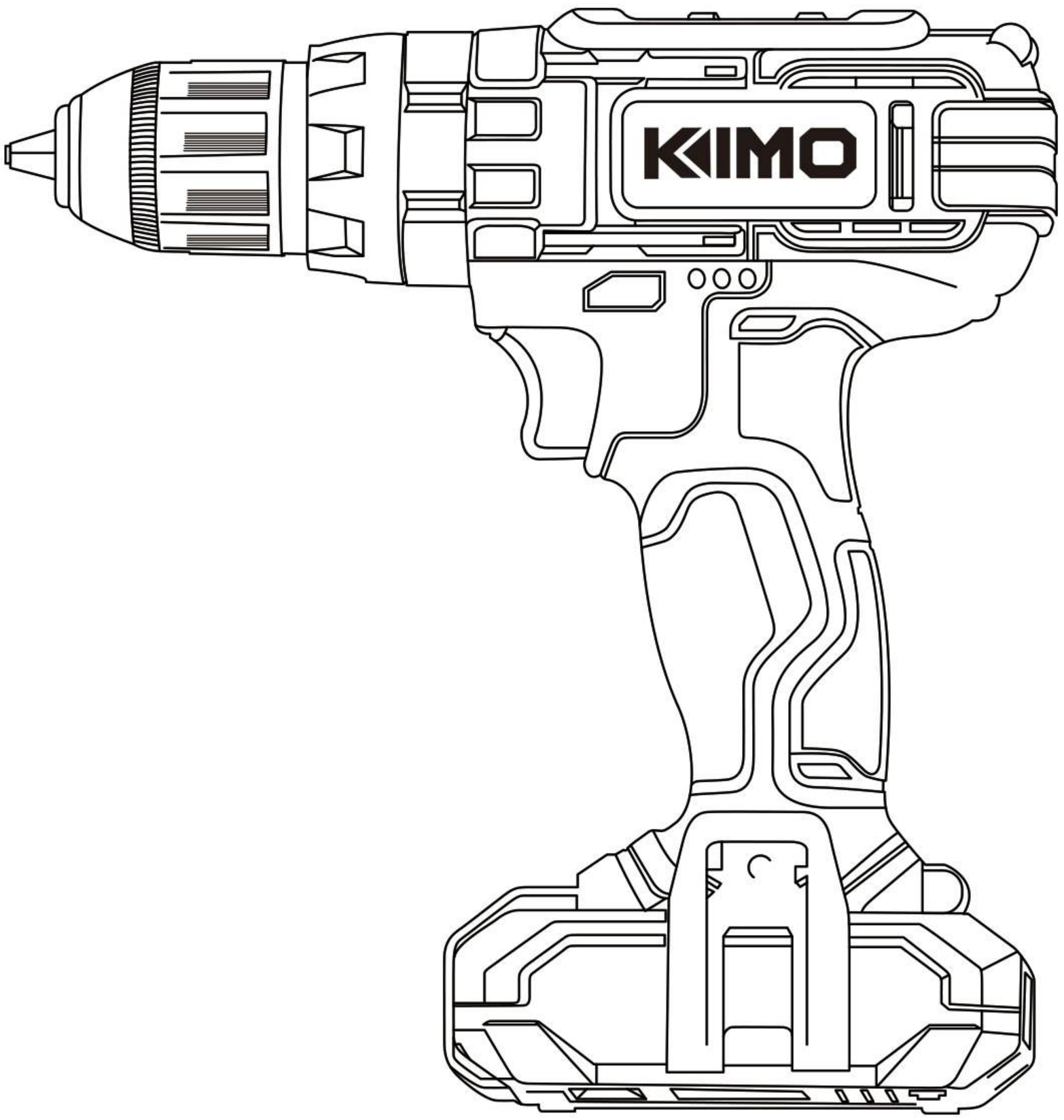
INSTRUCTION MANUAL



MODEL 13811T

20V MAX CORDLESS DRILL DRIVER

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CONTENTS

GENERAL SAFETY RULES 1

TOOL USE AND CARE 2

COMPONENTS AND SPECIFICATIONS 3

SPECIFIC INSTRUCTIONS 4

- Installing and Removing the Battery Pack from the Tool 4
- Using the Forward/Reverse Control Button 5
- Starting, Stopping and Controlling Speed 6
- Controlling Torque 6
- Selecting Mode 7
- Gear Shifter 7
- Attaching and Removing Accessories 8
- Charging Procedure 9

TROUBLE SHOOTING 11

MAINTENANCE 12

WARRANTY 13

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SAVE THIS INSTRUCTIONAL MANUAL FOR FUTURE REFERENCE.

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

- **Keep your work area clean and well lit.** Cluttered benches and 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 bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

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

- **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.

- **Remove adjusting keys or wrenches before turning the tool on.** A wrench or a 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 enable better control of the tool in unexpected situations.

- **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOL USE AND CARE

- **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.

- **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.

- **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.

- **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.
- **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.

COMPONENTS AND SPECIFICATIONS

1. Variable Speed Switch
2. Forward/Reverse Button (Lock-Off Button)
3. Torque Adjustment Collar
4. Keyless Chuck
5. Battery
6. Battery Release Button
7. Charger
8. Mode Selecting Collar
9. Gear Shifter

Model	13811T
Voltage	20V
Battery Specification	2.0 Ah
Charging Time	60-90 mins
Chuck Size	3/8"
Max Torque	350 In-lbs.
Low Speed	350 Revolution/Minute (RPM)
High Speed	1350 Revolution/Minute (RPM)
Weight (Bare Tool)	1.86 lbs.
Weight (Tool + Battery)	2.41 lbs.

SPECIFIC INSTRUCTIONS

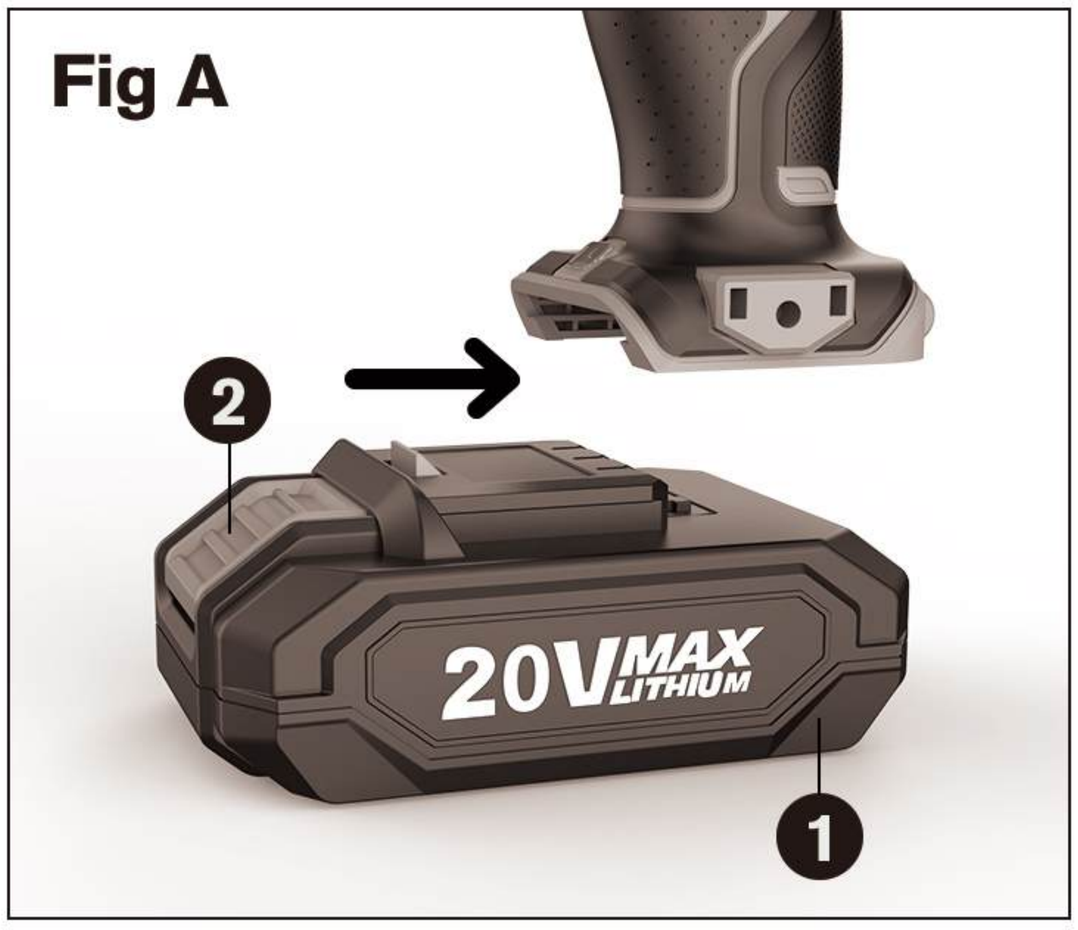
WARNING! Hold power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring. Fasteners contacting a “live” wire may make exposed metal parts of the power tool “live” and could give the operator an electric shock.

Installing and Removing the Battery Pack from the Tool

1.To install battery pack: Insert battery pack ❶ into tool, until an audible click is heard. (Fig. A)

2.To remove battery pack: Depress the battery release button as shown ❷ in Fig. A and pull battery pack out of tool.

Fig A



FUEL GAUGE

KIMO cordless drill includes a fuel gauge which consists of three LED lights that indicate the level of charge remaining in the battery pack. The fuel gauge is an indication of approximate levels of charge remaining in the battery pack according to the following indicators:

Remaining Capacity	Indicator Lights	
≤20%	○○○	Red Light Flashing
20% — 40%	●○○	Red Light ON
40% — 70%	●●○	Red & Yellow Lights ON
70% — 100%	●●●	Red & Yellow & Green Lights ON

Using the Forward/Reverse Control Button

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

To select the forward rotation, release the trigger switch ❶ and depress the forward/reverse control button ❷ from the right to the left.

To select reverse, depress the forward/reverse control button ❷ from the left to the right. (Fig.B)

NOTE: The center position of the control button ❷ locks the tool in the off position. When changing the position of the control button, be sure the trigger ❶ is released.

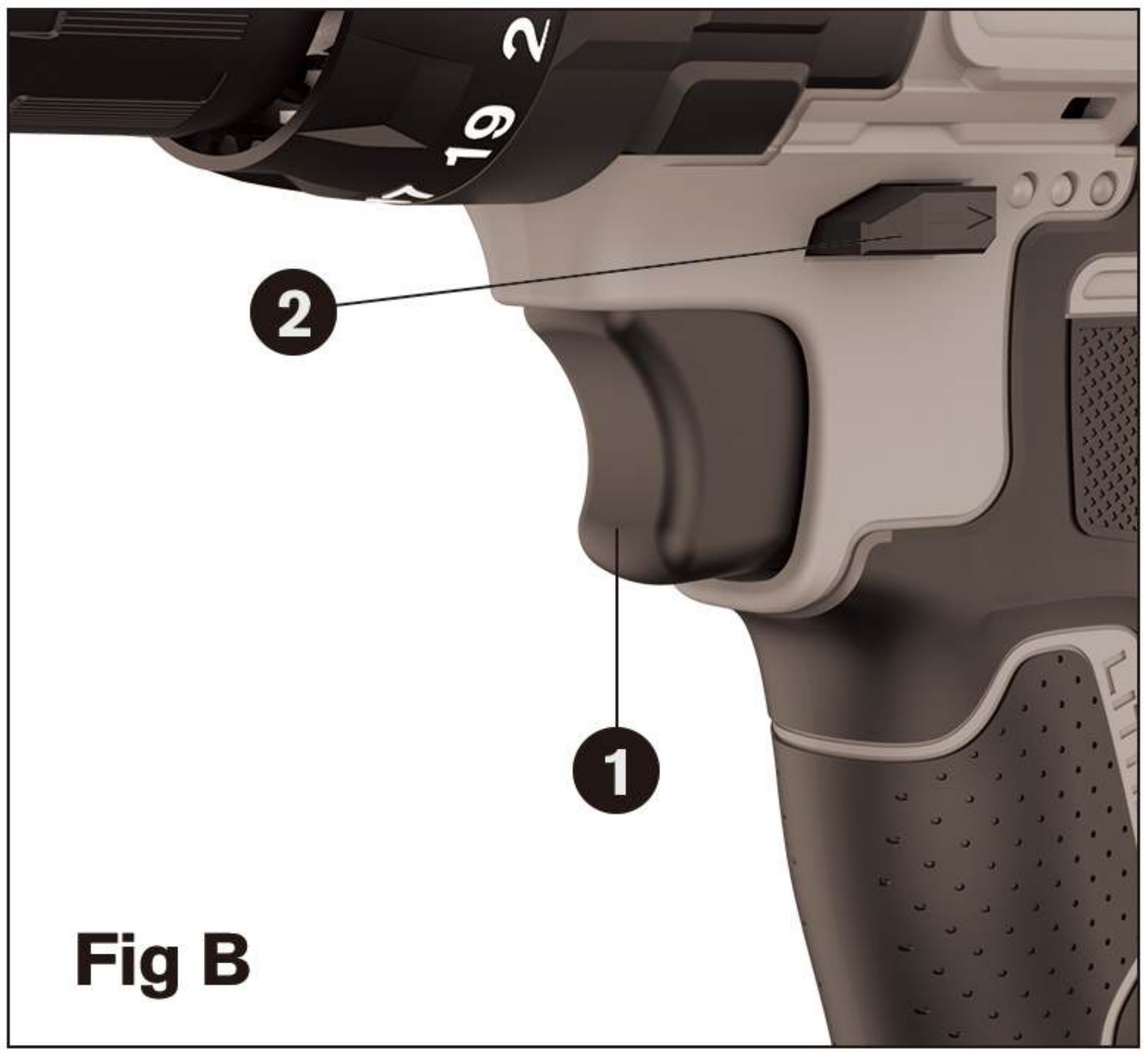


Fig B

Starting, Stopping and Controlling Speed

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

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

To vary the driving speed, increase or decrease pressure on the switch. The farther the trigger is depressed, the higher the speed of the drill.

To stop the tool, release the switch.

To lock the tool, depress the forward/reverse control button ❷ 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.

Controlling Torque

Adjustment collar ❸ to select the operating mode and to set the torque for tightening screws. Large screws and hard workpiece materials require a higher torque setting than small screws and soft workpiece materials. (Fig. C)

Fig C

Selecting Mode

The Mode Selecting Collar(8) allows the tool to be set for various drilling/hammer drilling and driving applications. Rotate the Mode Selecting Collar right or left depending on the below applications

Driving action: The driving position allows operation of adjustable clutch for driving screws and running nuts and bolts.

Drill only action: For drilling in woods, metals, plastics or other non concrete materials. The drill position overrides the clutch for drilling.

Drill with hammer action: For drilling in concrete, asphalt, tile orother similar hard materials.The hammer drill position overrides the clutch for hammer drilling.

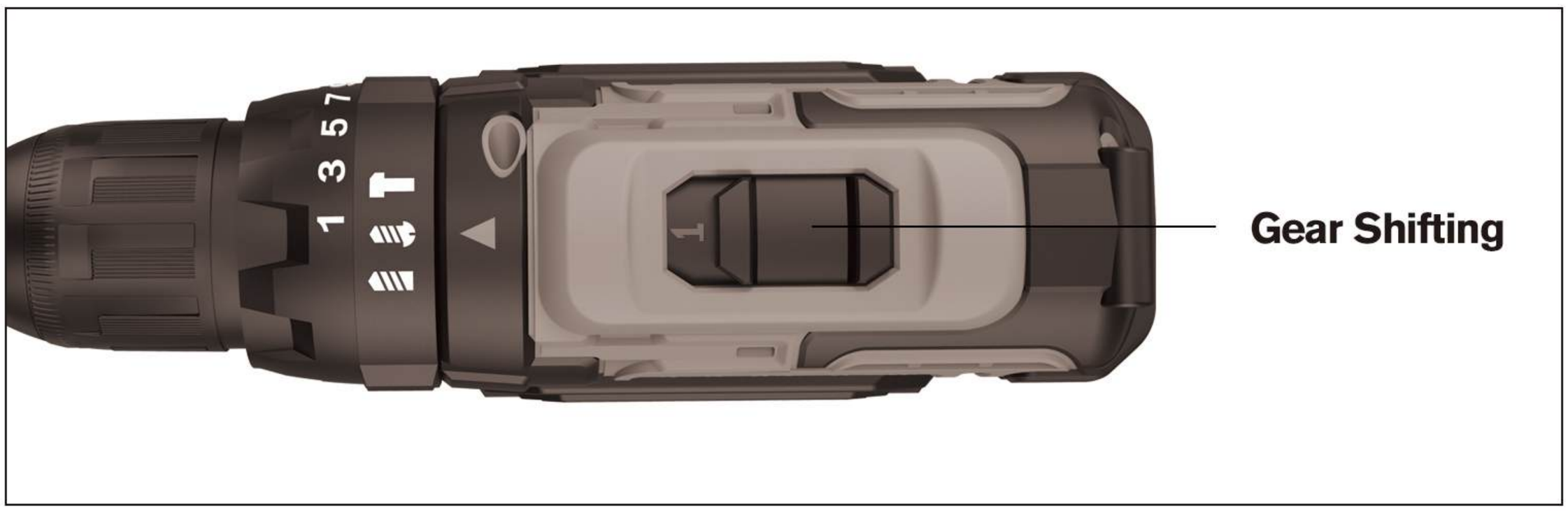
Gear Shifting

Your tool is equipped with two separate gear ranges (8), low gear and high gear.

Low gear(when mark 1 is shown on the gear) provides low torque and slower drilling speeds for light-duty work or for driving screws.

High gear(when mark 2 is shown on the gear) provides faster speeds for drilling heavy work. To change speeds slide the switch, to the high or low position.

ATTENTION: If your tool appears to be running, but the chuck will not turn, check to make sure the gear shifting switch is pushed fully into desired setting.



Attaching and Removing Accessories

To insert a drill bit or other accessory: (1). Grasp the rear half of the chuck 4 with one hand and use your other hand to rotate the front half 4a in the counterclockwise direction, as viewed the chuck end. (Fig. D)

Fig C

(2). Insert the bit or other accessory fully into the chuck, and tighten securely by holding the rear half of the chuck and rotating the front portion in the clockwise as viewed from the chuck end.(Fig. D)

WARNING! Do not attempt to tighten drill bits (or any other accessory) by gripping the front part of the chuck and turning the tool on. Damage to the chuck and personal injury may occur when changing accessories.

Charging Procedure

KIMO chargers are designed to charge KIMO battery packs in 60 to 90 minutes depending on the pack being charged.

To charge the battery:

1. Insert/Slide the charger into the battery pack. (shown in figure E)

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

Fig E

<u>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.</u> It is recommended that the batteries be recharged after each use.

Charger Indicator

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

1. Before using battery cartridge, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.

2. Do not disassemble battery cartridge.

3. If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.

4. If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.

5. Do not short the battery cartridge:
   (1) Do not touch the terminals with any conductive material.
   (2) Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.
   (3) Do not expose battery cartridge to water or rain. A battery short can cause a large current flow, overheating, possible burns and even a breakdown.

6. Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 122°F.

7. Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.

8. Be careful not to drop or strike battery.

9. Do not use a damaged battery.

10. Follow your local regulations relating to disposal of battery.

TROUBLE SHOOTING

Problems	Probable Causes	Solutions
Unit will not operate.	• Battery pack not installed correctly. • Battery pack not charged.	• Check battery pack installation. • Check battery pack charging requirements.
Battery pack will not charge.	• Battery pack not inserted into the charger properly. • Charger not plugged in. • Surrounding air temperature too hot or too cold.	• Insert battery pack into charger and check red LED appears. • Plug charger into a working outlet • 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. • Out of charge.	• Allow the battery pack to cool down. • Place on charger and allow to charge.

MAINTENANCE

WARNING! To reduce the risk of serious personal injury, place the forward/reverse button in the lock-off position or turn tool off and disconnect battery pack before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury 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.

WARRANTY

LIMITED 1 YEAR 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 1 year 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.

If you have questions or comments,contact us at

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