

WOKIN

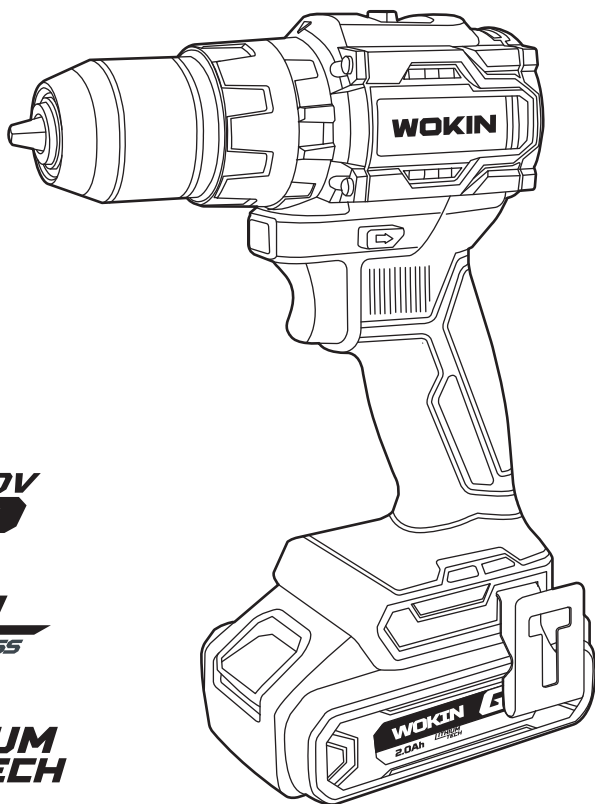
621160

CORDLESS IMPACT DRILL

20V

INSTRUCTION MANUAL

INDUSTRIAL



G^{20V}

BL
BRUSHLESS
MOTOR

**LITHIUM
TECH**

Tool only,
battery and charger not included



SAVE THIS MANUAL!

You will need this manual for safety instructions, operating procedures and warranty.
Put it and the original sales receipt in a safe dry place for future reference.

IMPORTANT SAFETY INFORMATION

General Safety

WARNING:

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

WARNING:

This appliance is not intended for use by persons (including children) with reduced, physical or mental capabilities or lack of experience or knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children must be supervised to ensure that they do not play with the appliance.

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

1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
2. 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.
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical safety

1. Power tool plugs must match the outlet. Never modify the plug in anyway. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
2. 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.
3. **DO NOT** expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
4. **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.
5. 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.
6. If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) or ground fault circuit interrupter (GFCI) protected supply. Use of an RCD or GFCI reduces the risk of electric shock.
7. Power tools can produce electromagnetic fields [EMF] that are not harmful to the user. However, users of pacemakers and other similar medical devices should contact the maker of their device and/or doctor for advice before operating this power tool.

Personal safety

1. 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.
2. 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.
3. 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.
4. 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.
5. **DO NOT** overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
6. 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.
7. 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.
8. 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

1. **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.
2. **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.
3. Disconnect the plug from the power source and/or the battery pack 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.
4. 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.
5. Maintain power tools. 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.
6. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. 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.
8. 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

1. 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.
2. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
3. 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.
4. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
5. Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
6. Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130 °C may cause explosion.
7. 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.

Service

1. 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.
2. Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.
3. Follow instruction for lubricating and changing accessories.

Drill Safety Warnings

1. Use auxiliary handle(s), if supplied with the tool. Loss of control can cause personal injury.
2. Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
3. Let bit cool before touching, changing or adjusting it. Bits heat up dramatically while in use, and can burn you.
4. If the drill bit jams, release the Trigger immediately; drill torque can cause injury or break bit.
5. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact WOKIN Tools for a replacement.
6. Avoid unintentional starting. Prepare to begin work before turning on the tool.
7. Do not lay the tool down until it has come to a complete stop. Moving parts can grab the surface and pull the tool out of your control.
8. When using a handheld power tool, maintain a firm grip on the tool with both hands to resist starting torque.
9. Do not leave the tool unattended when the Battery Pack is connected. Turn off the tool, and remove the Battery Pack before leaving.
10. The battery Charger gets hot during use. The Charger's heat can build up to unsafe levels and create a fire hazard if it does not receive adequate ventilation, due to an electrical fault, or if it is used in a hot environment. Do not place the Charger on a flammable surface. Do not obstruct any vents on the Charger. Especially avoid placing the charger on carpets and rugs; they are not only flammable, but they also obstruct vents under the charger. Place the Charger on a stable, solid, nonflammable surface (such as a stable metal workbench or concrete floor) at least 1 foot away from all flammable objects, such as drapes or walls. Keep a fire extinguisher and a smoke detector in the area. Frequently monitor the Charger and Battery Pack while charging.
11. This product is not a toy. Keep it out of reach of children.
12. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
13. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Battery Safety

WARNING:

Li-Ion batteries, if incorrectly used, stored or charged are a fire, burn and explosion hazard.

1. Keep the battery out of reach of children.
2. ONLY charge Li-Ion batteries using the charger provided or designed specifically for your product.
3. ONLY use Li-Ion batteries provided with a product or specifically designed to be compatible.
4. Allow batteries to cool for 15 minutes after charging or heavy use. Failure to follow these instructions may cause overheating or fire.
5. When not in use batteries should be stored at room temperature.
6. Ensure that battery contacts cannot accidentally short in storage. Keep batteries clean; foreign objects or dirt may cause a short. Keep away from other metal objects, for example, paperclips, coins, keys, nails and screws.
7. Under abusive conditions, liquid may be ejected from the battery. This liquid may cause skin irritation or burns. Avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, seek medical help.
8. DO NOT open, disassemble, crush, heat above 60°C or incinerate. Do not dispose of in fire or similar.

Battery Charger Safety

Use the battery charger correctly

1. Refer to the section of this manual relating to use of the battery charger before attempting to charge the battery.
2. Do not attempt to use the charger with any batteries other than those supplied. Keep your battery charger clean; foreign objects or dirt may cause a short or block air vents. Failure to follow these instructions may cause overheating or fire.
3. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

WARNING:

This charger can only be used to charge the batteries which has WOKIN GP20V symbol. If it is used to charge other kinds of batteries, there is a risk of explosion.

DO NOT attempt to recharge non-rechargeable batteries.

SAVE THESE INSTRUCTIONS

WARNING:

DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

SPECIFICATIONS

Voltage	20VDC
Max torque	58N·m (510in.lbs.)
No load speed	0-450/0-1850min ⁻¹
Clutch	20+1 setting
Chuck	1/2" (13mm), all metal
Fast Charger	Input: 110-120V ~ 60Hz



1. Due to our continuing program of research and development, the specifications herein are subject to change without notice.
2. Specifications and battery pack may differ from country to country.

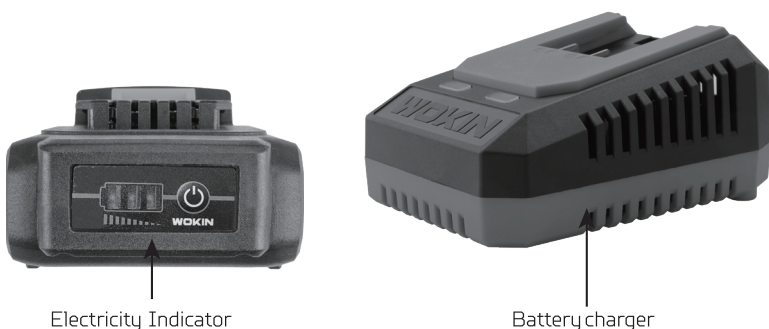
Note: Symbolology

Pay attention to all the signs and symbols shown in these instructions and on your tool. Make a note of these signs and symbols. If you interpret the signs and symbols correctly, your work with the machine will be safer and better.

	Read the instructions for use before starting the machine.
	Wear safety goggles.
	Wear ear protection.
	Wear good quality, strong gloves.
	Always use breathing apparatus when machining materials which generate dust.
	Operating environmental temperature.
	Keep away from fire
	Do not throw it into water

	WARNING
	Battery pack is part of the recyclable resources
	Class II
	For indoor use only
	Polarity
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.
	Batteries and rechargeable batteries are not household waste! As a consumer, you are required by law to dispose of all batteries and accumulators, whether or not they contain harmful substances*, at a collection point in your municipality / neighborhood or in commerce so that they can be disposed of in an environmentally sound manner.

FUNCTIONS



*Not all the accessories illustrated or described are included in standard delivery.

BEFORE STARTING THE EQUIPMENT

Be sure to read the following information before you use your cordless screwdriver for the first time:

1. Charge the battery pack with the charger supplied. An empty battery pack requires a charging period of approximately 1 hour.
2. Only ever use sharp drill bits and screwdriver bits which are suitable for the purpose and in faultless condition.
3. Always check for concealed electric cables and gas and water pipes when drilling and screwing in walls.

OPERATION

Charging the battery pack (Fig. 2/3)

1. Remove the battery pack (5) from the handle, pressing the pushlock buttons (8) downwards to do so.
2. Check that your mains voltage is the same as that marked on the rating plate of the battery charger. Plug the mains plug of the charger (6) into the mains socket outlet.
3. Push the battery pack onto the battery charger. The red LED will come on to indicate that the battery pack is being charged. When the charging process is finished, the red green will be permanently lit. The time it takes to fully recharge an empty battery is approximately 1 hour.

If the battery pack fails to become charged, please check:

- whether there is voltage at the socket-outlet.
- whether there is proper contact at the charging contacts on the charger.

If the battery still fails to become charged, please return:

- the charger
- the battery pack to our Customer Service Department.

To ensure that the battery pack provides long service you should take care to recharge it promptly.

You must recharge the battery pack when you notice that the power of the cordless screwdriver drops.

Never fully discharge the battery pack. This will cause the battery pack to develop a defect.

Torque setting (Fig. 4 / Item 1)

The cordless screwdriver is fitted with a mechanical torque selector. The torque for a specific size of screw is selected with the torque selector (1). The correct torque depends on several factors:

- on the type and hardness of material in question
- on the type and length screws used
- on the requirements needing to be met by the screwed joint.

The clutch disengages with a grating sound to indicate when the set torque is reached.

Important! The tool must be at a standstill when you set the torque with the setting ring.

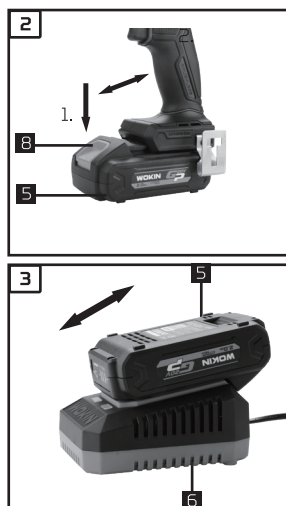


Fig. 2/3



Fig. 4

Drilling (Fig. 5 / Item 1)

For drilling purposes, move the torque selector to the last step „Drill“. In this setting the slip clutch is inactive.

The maximum torque is available in drilling mode.

Forward/Reverse switch (Fig. 6 / Item 3)

With the slide switch (3) above the Trigger switch (4) you can select the direction of rotation of the battery-powered drill / screwdriver and secure it against being switched on accidentally. You can choose between clockwise and anticlockwise rotation. To avoid causing damage to the gearing it is advisable to change the direction of rotation only when the tool is at a standstill. The Trigger switch is blocked when the slide switch is in centre position.

Trigger switch (Fig. 6 / Item 4)

Infinitely variable speed control is possible with the Trigger switch. The further you press the switch, the higher the speed of the battery-powered drill / screwdriver.

Changing over from 1st gear to 2nd gear (Fig. 7 / Item 7)

You can work at a higher or lower speed depending on the position of the selector switch. To avoid damaging the gear unit you should only change over gears when the tool has stopped.

Turn on:

Press and hold the Trigger switch to start up the unit.

Turn off:

To switch off the unit, release the Trigger switch.

Battery capacity indicator (Fig. 8– Item 2)

The 3 LEDs (2) will indicate the status of battery capacity as soon as you press the button.

LED lamp (Fig. 8)

The LED lamp (10) can be used in poor lighting conditions to illuminate the area where you want to drill or screw. The LED lamp (10) will be lit automatically as soon as you press the Trigger switch (4).

Changing the tool (Fig. 9)

Important. Set the slide switch (3) to its centre position whenever you carry out any work (for example changing the tool, maintenance work, etc.) on the cordless screwdriver.

- The cordless screwdriver is fitted with a quick-action chuck (9) with an automatic spindle stop.
- Open the chuck (9). The chuck opening (a) must be large enough to hold the tool (drill bit or screwdriver bit).
- Select the suitable tool. Push the tool as far as possible into the chuck opening (a).
- Tighten the chuck (9) and then check that the tool is secure.

Screwdriving

We recommend using self-centering screws (e.g. Torx screws, recessed head screws) designed for reliable working. Be sure to use a bit that matches the screw in shape and size. Set the torque, as described elsewhere in these operating instructions, to suit the size of screw.

Hook

- With the hook the device can be hung on the wall.
- The hook can be mounted on both sides of the handle.



Fig. 5



Fig. 6



Fig. 7



Fig. 8

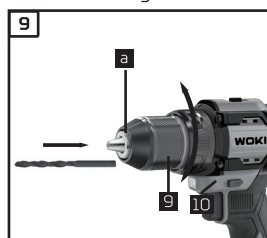
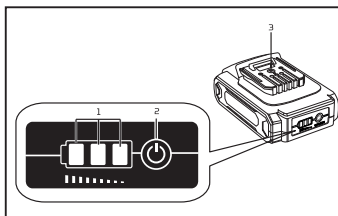


Fig. 9

INDICATING THE REMAINING BATTERY PACK

1. Indicator lamps 2. Check button, 3. DC port

Indicator lamps		Remaining capacity
Lighted	Off	
		75% to 100%
		35% to 75%
		5% to 35%

Press the check button on the battery pack to indicate the remaining battery capacity. The indicator lamps light up for a few seconds.

NOTE: Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.

MAINTENANCE

WARNING: ALWAYS disconnect from the mains power supply, before carrying out any maintenance/cleaning of the charger. Remove the battery before carrying out any maintenance/cleaning of the appliance .

Note: Both the appliance and the charger contain no user-serviceable parts. If the device does not perform as outlined in this manual, return it to an authorised service centre for repair.

General Inspection

1. Regularly check that all the fixing screws are tight.
2. Inspect the supply cord of the tool, prior to each use, for damage or wear. Repairs should be carried out by an authorised service centre. This advice also applies to extension cords used with this too.

Cleaning

1. Keep your tool clean at all times. Dirt and dust will cause internal parts to wear quickly, and shorten the machine's service life. Clean the body of your machine with a soft brush, or dry cloth. If available, use clean, dry, compressed air to blow through the ventilation holes.
2. Clean the tool casing with a soft damp cloth using a mild detergent. Do not use alcohol, petrol or strong cleaning agents.
3. Never use caustic agents to clean plastic parts.

Lubrication

1. Slightly lubricate all moving parts at regular intervals with a suitable spray lubricant.

Storage

1. Store this tool carefully in a secure, dry place out of the reach of children.
2. Do not store the tool and battery pack in locations where the temperature may reach or exceed 40 °C .

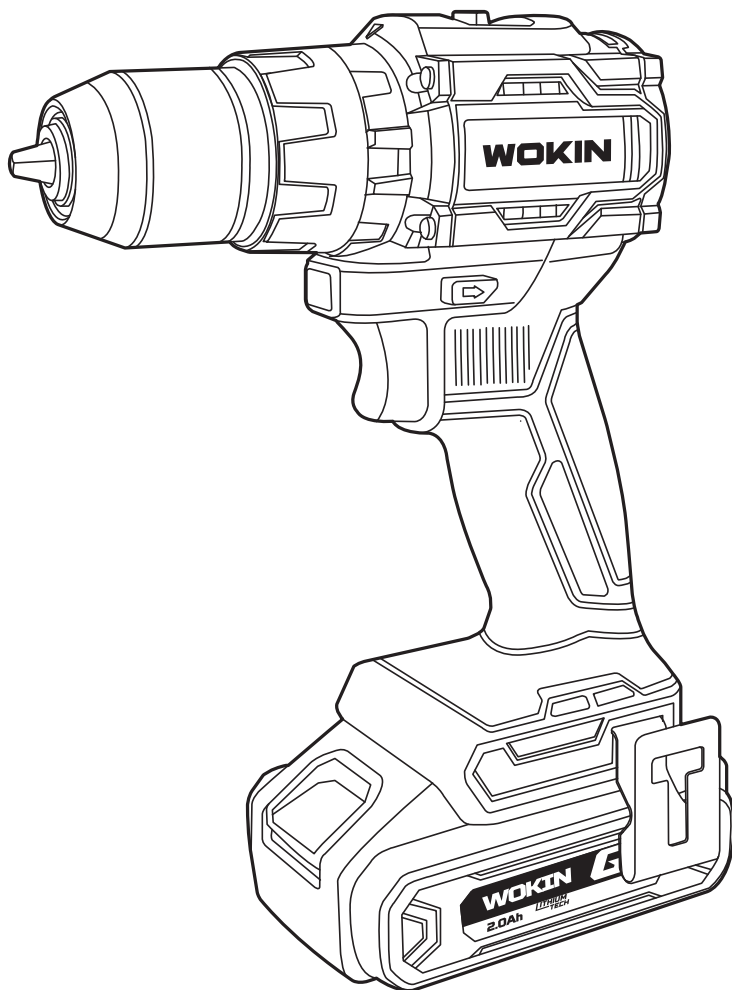
Disposal

Always adhere to national regulations when disposing of power tools that are no longer functional and are not viable for repair.

1. Do not dispose of power tools, or other waste electrical and electronic equipment (WEEE), with household waste.
2. Contact your local waste disposal authority for information on the correct way to dispose of power tools

TROUBLESHOOTING

Problem	Possible causes	Likely solutions
Tool will not start.	1. Battery Pack not properly connected. 2. Battery Pack not properly charged. 3. Battery Pack worn out. 4. Internal damage or wear. (Carbon brushes or Trigger, for example.) 5. Contact chips of switch or battery pack deformed. 6. Battery is not suitable for WOKIN GP20V lithium-ion power platform system 7. Overload operation	1. Remove Battery Pack, make sure there are no obstructions, clean battery contacts on tool, reinsert the Battery Pack according to its shape (it should only fit one way), and press firmly until the Battery Pack locks in place. 2. Make sure Charger is connected and operating properly. Give enough time for Battery Pack to recharge properly. 3. Dispose of old Battery Pack properly or recycle. Replace Battery Pack. 4. Have technician service tool. 5. Replace switch or Battery Pack 6. Replace the battery of WOKIN GP20V 7. Stop to use and restart the machine after cooling.
Tool operates slowly.	1. Excess pressure applied to workpiece. 2. Battery Pack wearing out. 3. Low battery	1. Decrease pressure, allow tool to do the work. 2. Dispose of old Battery Pack properly or recycle. Replace Battery Pack. 3. Recharge or replace a fully charged battery
Performance-decreases over time.	1. Chuck damaged. 2. Battery Pack worn out.	1. Have qualified technician replace brushes. 2. Dispose of old Battery Pack properly or recycle. Replace Battery Pack.
Excessive noise or rattling.	Internal damage or wear. (gear or bearings, for example.)	Have technician service tool.
Overheating.	1. Forcing tool to work too fast. 2. Blocked motor housing vents.	1. Allow tool to work at its own rate. 2. Clean the Blocked motor housing vents



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CO.,LTD.**

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