

# WOKIN

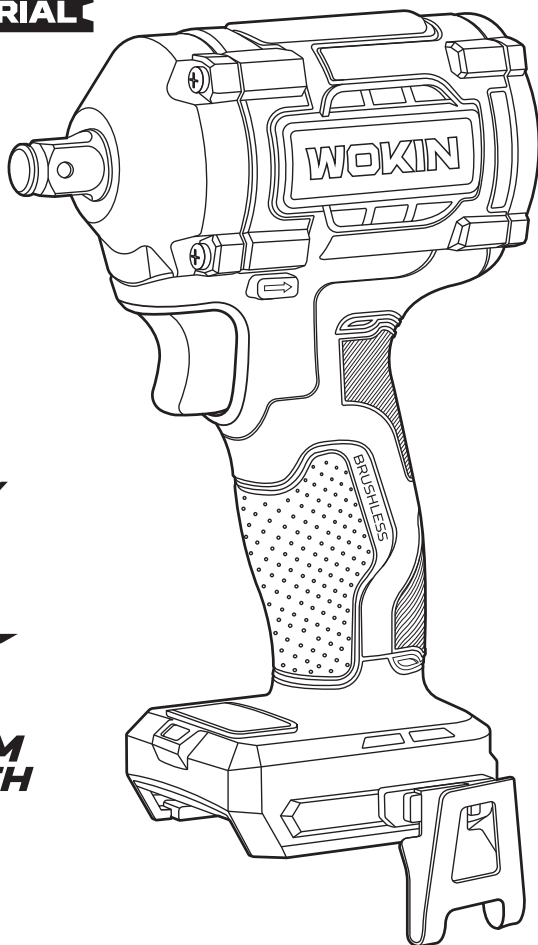
621305

## CORDLESS IMPACT WRENCH

20V

### INSTRUCTION MANUAL

INDUSTRIAL



**G<sup>20V</sup>**

**BL**  
BRUSHLESS  
MOTOR

**LITHIUM**  
**TECH**



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

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**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

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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

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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

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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

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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

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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

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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.

## Cordless impact wrench safety warnings

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1. 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.
2. Wear ear protectors.
3. Check the impact socket carefully for wear, cracks or damage before installation.
4. Hold the tool firmly.
5. Keep hands away from rotating parts.
6. Do not touch the impact socket, bolt, nut or the workpiece immediately after operation. They may be extremely hot and could burn your skin.
7. Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.
8. The proper fastening torque may differ depending upon the kind or size of the bolt.  
Check the torque with a torque wrench.
9. Make sure there are no electrical cables, water pipes, gas pipes etc. that could cause a hazard if damaged by use of the tool.

## 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

Rated voltage	20VDC
Hex drive	1/2"
Max torque	500N.m(368ft.lbs.)
Max. torqueNo load speed(variable speed)	0-1600/0-2100/0-2600 min <sup>-1</sup>
Impacts Per Minute (variable speed)	0-2000/0-2600/0-3250 ipm
Torque	250/400/5000 N·m(8s)










REVERSE ROTATION AUTO STOP MODE

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

	<b>WARNING</b>
	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





## BATTERY

### Charging The Battery Pack

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1. Remove the battery pack from the handle by pressing the battery lock button downwards and pulling the battery forwards and off the base of the tool.
2. Check if the power voltage on the rating plate corresponds to the voltage available.
3. Slide the battery pack onto the battery charger. The red LED will illuminate to indicate that the battery pack is being charged. When the charging process is finished, the red LED on the charging base will turn off and the green LED will illuminate.
4. During charging, it is normal for the battery to warm slightly. If you cannot charge the battery check:
  - That the electrical outlet has voltage.
  - That the charger contacts are undamaged and making contact with battery leads.

### Battery Capacity Indicator

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You can check the battery's power status by pressing the power display button on rear of the battery.

- Green LED lighted: the battery is fully charged
- Yellow LED lighted: The battery has charge/the battery is being charged.
- Red LED lighted: The battery is almost empty and needs to be recharged.

### Work Light

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The Work light can be used in poor lighting conditions to illuminate the work area. The Work light will light up as soon as you press the trigger switch.

## OPERATION

### Before Use

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**Important! Always lock the trigger switch and remove the battery from machine before doing any work on the machine!**

### Inserting Battery Onto The Tool

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Set the rotational direction switch to the center position to protect the power tool against accidental starting. Insert the charged battery into the handle so that it can be felt to engage and faces flush against the handle.

### Operating The Tool

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To activate the tool, press the Trigger switch and keep it pressed. To switch off the machine, release the trigger.

The trigger is variable speed and the speed depends on the amount of pressure you apply to the trigger. Light pressure on the trigger results in a low rotational speed. Further pressure on the switch results in an increase in speed.

## Forward (Clockwise) Operation

The motor has an electronic clutch with three different forward speed settings: 1, 2, and 3 (low, medium and high).

The speed setting is adjusted by pushing the "S" button on the Electronic clutch control panel on the base of the tool. If the trigger is momentarily pushed the Electronic Clutch will be activated. If one green LED is illuminated, the motor is set to Speed 1. If two green LEDs are illuminated then the motor is set to speed 2 and three green LEDs for speed 3. Push the button marked "S" on the Electronic clutch control panel to cycle through the three speed settings and select the correct one for your specific application.

Speed	RPM	IPM	Max. Torque
1st Speed	0-1600	0-2000	250 N·M
2nd Speed	0-2100	0-2600	400 N·M
3rd Speed	0-2600	0-3250	500 N·M

## Reverse (Counter Clockwise) Operation

The electronic clutch has two different reverse modes: Full Reverse and Auto Break. The Full Reverse mode is automatically activated when the direction Slide switch is put into the reverse position. No LEDs on the Electronic clutch control panel should be illuminated. This means that the clutch is set to full reverse mode. When the trigger is pushed the tool will operate in reverse for as long as you hold down the trigger.

The Auto Break function is engaged by pushing the "B" button on the Electronic clutch control panel. A red LED will illuminate in the third LED position to indicate that the Auto Break is engaged. When the trigger is pushed the tool will start hammering in reverse. As soon as the bolt breaks loose and there is no resistance the tool will immediately stop reverse motion. This feature is meant for controlled loosening of lug nuts without backing fully off the stud. Uncontrolled spinning can damage the treads on the end of the stud or bolt. To disengage break just push the "B" button one more time and the red LED will turn off. Your tool is again in the full reverse mode.

**NOTICE: Both reverse functions only operate with the electronic clutch in the third speed position. This feature is unavailable in speed one and two.**

## OPERATING TIPS

To install a socket, align the square drive with socket receiver and press on until locked securely in place. To remove socket, pull the socket off while twisting back and forth to dislodge.

**Caution: When removing socket or bits from tool, avoid contact with skin and use proper protective gloves when grasping socket. Accessories may be hot after prolonged use.**

Apply the power tool to the screw/nut only when it is switched off. Rotating tool inserts can slip off. The torque depends on the impact duration. The maximum achieved torque results from the sum of all individual torques achieved through impact. The longer the tool is engaged the higher the accumulated torque value. Maximum torque is achieved in about 45 seconds. The actual achieved tightening torque should always be checked with a torque wrench.

## OPERATING INSTRUCTIONS

**⚠ CAUTION:** Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

### Selecting correct impact socket

Always use the correct size impact socket for bolts and nuts. An incorrect size impact socket will result in inaccurate and inconsistent fastening torque and/or damage to the bolt or nut.

### Installing or removing impact socket

**⚠ CAUTION:** Make sure that the impact socket and the mounting portion are not damaged before installing the impact socket.

**⚠ CAUTION:** After inserting the impact socket, make sure that it is firmly secured. If it comes out, do not use it.

**NOTE:** The way of impact socket installation varies depending on the type of the square drive on the tool.

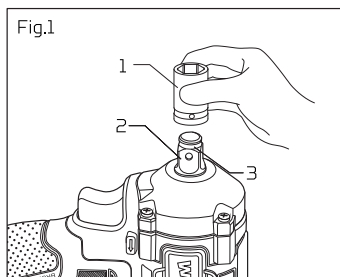
#### Tool with the ring spring(Fig.1)

For impact socket without O-ring and pin

1. Impact socket 2. Square drive 3. Ring spring

Push the impact socket onto the square drive until it locks into place.

To remove the impact socket, simply pull it off.



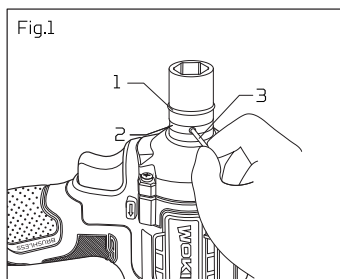
#### For impact socket with O-ring and pin(Fig.2)

1. Impact socket 2. O-ring 3. Pin

Move the O-ring out of the groove in the impact socket and remove the pin 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.

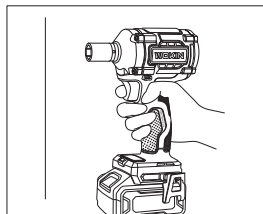


## Operating

**⚠ CAUTION:** 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.

Hold the tool firmly and place the impact socket over the bolt or nut. Turn the tool on and fasten for the proper fastening time.

The proper fastening torque may differ depending upon the kind or size of the bolt, the material of the workpiece to be fastened, etc.



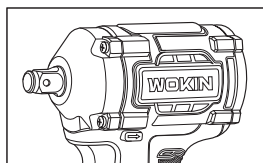
### Direction control

**WARNING:** NEVER change the direction of rotation while the tool is running. This may cause permanent damage to the tool.

- The direction of rotation can be set using the Forward/Reverse Switch
- For anti-clockwise rotation, push the switch to the right
- For clockwise rotation, push the switch to the left

**Note:** When the Forward/Reverse Switch is in the central position, the drill is locked and cannot be switched on.

Use this setting as a safety feature to prevent the drill from being switched on accidentally. If the motor carbon brush showed sporadic spark during the use, it is the normal phenomenon.



### Switching on/off

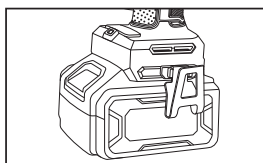
**WARNING:** ALWAYS wear adequate personal protection equipment when setting up and operating this machine.

1. To start the drill, squeeze the Trigger Switch
2. The built-in Work Light will illuminate when the Trigger Switch is squeezed. Note: If the Trigger Switch cannot be pressed down, check that the Forward/Reverse Switch is not set to its middle position, which locks the device (see 'Direction control').
3. The speed of the drill is controlled by the movement of the trigger: the further the Trigger Switch is pressed down, the faster the drill will run.
4. Release the Trigger Switch to stop the machine.

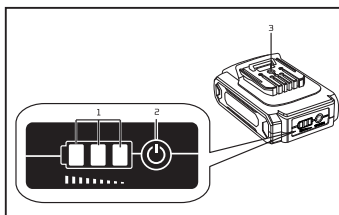
**WARNING:** If the power tool gets excessively hot in use, stop using the tool immediately and allow to cool before continuing work. The cooling period can be reduced by operating the Impact Driver at maximum speed with no load. Always make sure the Motor Vents are not blocked and do not allow dust to enter the body of the tool through the Motor Vents; dust, especially metallic dust, may damage or destroy the tool. Accessories A full range of accessories including various types of screwdriver bits is available from your dealer.

### Install Belt Clip

The Belt clip is convenient for temporarily hanging the tool. This can be installed on the tool. To install the belt clip, install it into a groove in the tool housing and then secure it with a Screw. To remove, loosen the screw and take it out.



## 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.	<ol style="list-style-type: none"> <li>1. Battery Pack not properly connected.</li> <li>2. Battery Pack not properly charged.</li> <li>3. Battery Pack worn out.</li> <li>4. Internal damage or wear. (Carbon brushes or Trigger, for example.)</li> <li>5. Contact chips of switch or battery pack deformed.</li> <li>6. Battery is not suitable for WOKIN GP20V lithium-ion power platform system</li> <li>7. Overload operation</li> </ol>	<ol style="list-style-type: none"> <li>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.</li> <li>2. Make sure Charger is connected and operating properly. Give enough time for Battery Pack to recharge properly.</li> <li>3. Dispose of old Battery Pack properly or recycle. Replace Battery Pack.</li> <li>4. Have technician service tool.</li> <li>5. Replace switch or Battery Pack</li> <li>6. Replace the battery of WOKIN GP20V</li> <li>7. Stop to use and restart the machine after cooling.</li> </ol>
Tool operates slowly.	<ol style="list-style-type: none"> <li>1. Excess pressure applied to workpiece.</li> <li>2. Battery Pack wearing out.</li> <li>3. Low battery</li> </ol>	<ol style="list-style-type: none"> <li>1. Decrease pressure, allow tool to do the work.</li> <li>2. Dispose of old Battery Pack properly or recycle. Replace Battery Pack.</li> <li>3. Recharge or replace a fully charged battery.</li> </ol>
Performance decreases over time.	<ol style="list-style-type: none"> <li>1. Chuck damaged.</li> <li>2. Battery Pack worn out.</li> <li>3. Output shaft and center shaft worn out.</li> </ol>	<ol style="list-style-type: none"> <li>1. Have qualified technician replace chuck.</li> <li>2. Dispose of old Battery Pack properly or recycle. Replace Battery Pack.</li> <li>3. Have technician service tool.</li> </ol>
Excessive noise or rattling.	Internal damage or wear. (gear or bearings, for example.)	Have technician service tool.
Overheating.	<ol style="list-style-type: none"> <li>1. Forcing tool to work too fast.</li> <li>2. Blocked motor housing vents.</li> </ol>	<ol style="list-style-type: none"> <li>1. Allow tool to work at its own rate.</li> <li>2. Clean the Blocked motor housing vents</li> </ol>

# CE DECLARATION OF CONFORMITY

WE

ZJG WOKIN INDUSTRIAL CO.,LTD.  
350 YANGJIN ROAD, ZHANGJIAGANG,  
JIANGSU, CHINA.

Declare that the product  
621305  
CORDLESS IMPACT WRENCH

Complies with the essential health and safety requirements of the following Directives:

council directive 2006/42/EC

Standards and technical specifications referred to:

EN 62841-1:2015

EN 62841-2-1:2018+A11:2019

EN 55014-1:2017

EN 55014-2:2015

EN 60335-2-29:2004+A2:2010+A11:2018 to be used in conjunction with

EN 60335-1:2012

+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019 and EN

62233:2008 the Low Voltage

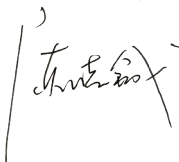
Directive 2014/35/EU

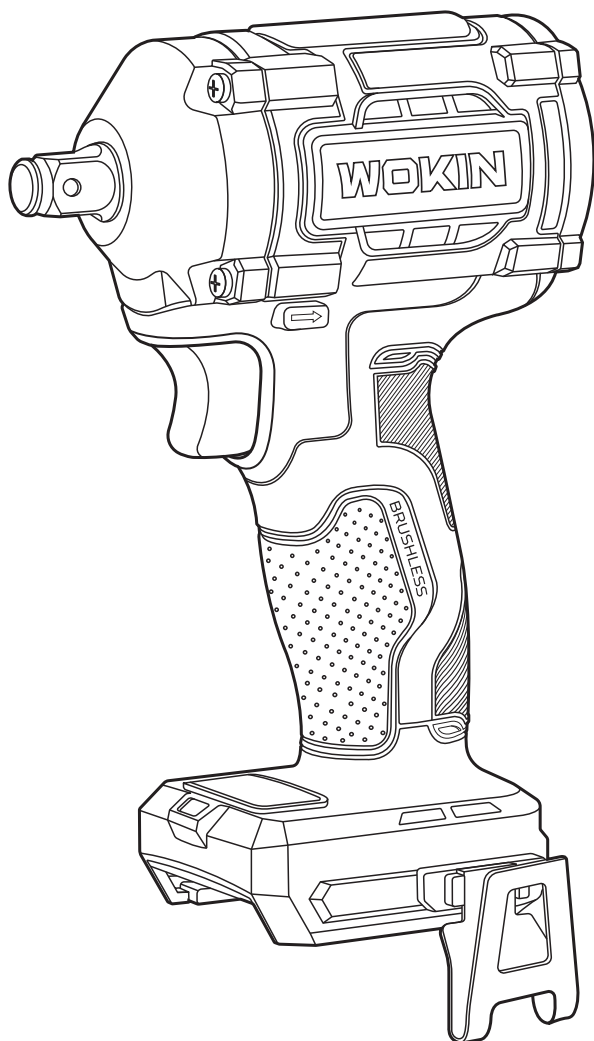
Authorised Signatory and technical file holder

Signed for and on behalf of:

ZJG WOKIN INDUSTRIAL CO.,LTD.  
350 YANGJIN ROAD, ZHANGJIAGANG,  
JIANGSU, CHINA.

CHEN XIAO CHENG  
Group Quality Director  
on:07/02/2022





**ZJG WOKIN  
INDUSTRIAL  
CO.,LTD.**

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SD17