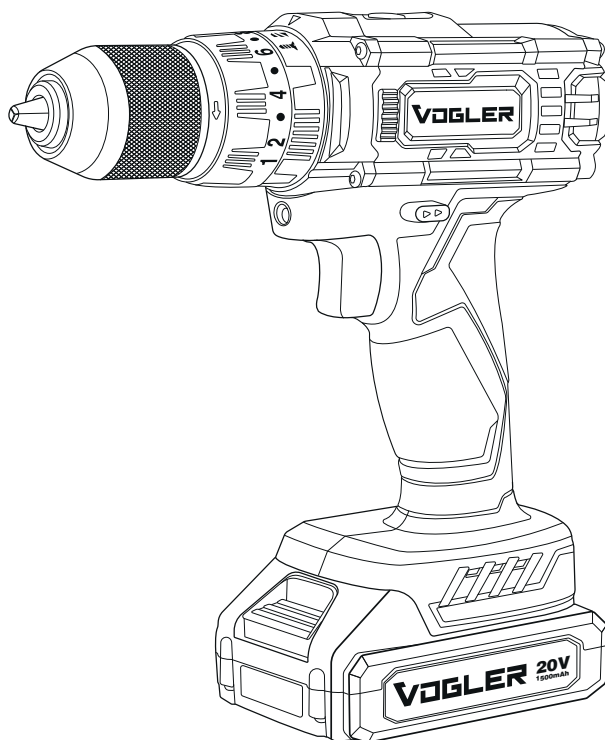


VOGLER[®]

TOOLS, WORK, INTEGRITY

V10400

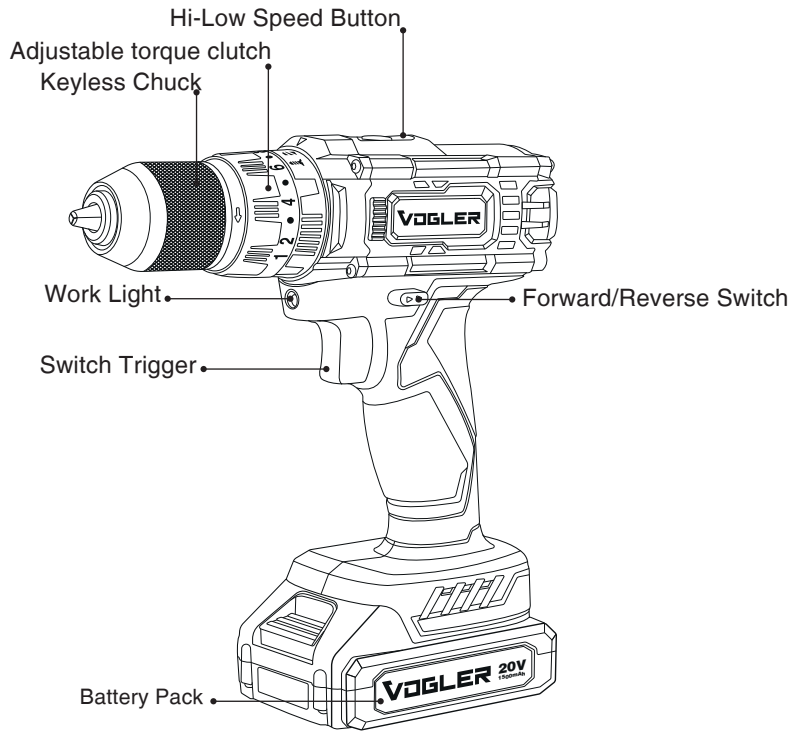


CORDLESS IMPACT DRILL DRIVER 10mm 20V

TECHNICAL SPECIFICATIONS

Model	V10400
Battery Chemistry	Lithium-Ion
Chuck Type	Keyless Chuck
Chuck Size	10mm
Battery Voltage	20V
Battery Capacity	1.5Ah
No-Load Speed	0-400RPM 0-1500RPM
Max Torque	35N.m
Max Capacity in Wood	20mm
Max Capacity in Steel	10mm
Max Capacity in Masonry	13mm
Weight	1.33Kg
Charging time	55min
Accessories	2 pcs battery packs 1 pc charger

PART LIST



GENERAL POWER TOOL SAFETY RULES

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.
- 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.

WORKPLACE SAFETY

- Keep the workplace clean and well-lit. Working in disorganized and dark places can cause accidents.
- Do not operate cordless tools in explosive atmospheres, such as near flammable liquid, gas, or dust as the sparks they generate can ignite dust or gas.
- Keep the cordless tools away from children and bystanders during the operation. Being distracted, you might end up losing control of the tool.

ELECTRICAL SAFETY

- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose cordless tools to rain or wet conditions. Water entering a cordless tool will increase the risk of electric shock.
- If operating a cordless tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply. The use of a GFCI reduces the risk of electric shock.

PERSONAL SAFETY

- Stay alert and focused when working with cordless tools. Do not operate these tools when feeling tired or under the influence of drugs,

alcohol, or medications. A moment of distraction or lack of attention can lead to serious injuries to the operator.

- Dress appropriately. Do not wear loose clothes or accessories. Keep your hair and clothes away from the moving parts. Loose clothes, accessories, or long hair may get caught in the moving parts.
- Prevent accidental starting. Ensure the switch is off before connecting the tool to the battery pack, picking it up, or carrying it around. Putting your fingers on the switch while carrying the tool or energizing it when the switch is on, can be dangerous.
- Remove all adjustment keys or wrenches before the cordless tool is turned on. Wrenches or keys left on rotating parts of the tool can lead to injury.
- Don't stretch your hands too far. Always pay attention to the foothold and body balance. This way you can control the cordless tools better in an accident.
- Use safety equipment. Always wear eye protection. Dust masks, non-skid safety shoes, hard hats, or hearing protection must be used for appropriate conditions.

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.

CORDLESS TOOL USE AND CARE

- Choose cordless tools according to the purpose. This will enhance your efficiency and safety.
- If the switch doesn't turn the cordless supply on or off, the cordless tool should not be used. Cordless tools that cannot be controlled by switches, are dangerous and must be repaired.
- Before making any adjustments, replacing accessories, or storing the cordless tools, you must remove the battery pack (if detachable). This protective safety measure reduces the risk of accidental starting of the cordless tool.

- Store cordless tools out of children's reach and do not allow people unfamiliar with these tools and those who do not understand these instructions to touch them. Cordless tools are dangerous if used by untrained users.
- Maintain cordless tools and their accessories properly. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the cordless tool's operation. If damaged, repair the cordless tool before use. Many accidents are caused by poorly maintained tools.
- Keep the cutting tools sharp and clean. A well-maintained tool with a sharp cutting edge is less likely to get stuck and is easier to control.
- Select the cordless tools, their cutting edges, and accessories according to the instructions in this manual and by taking the working conditions and tasks at hand into consideration. The use of cordless tools for tasks they are not made for can lead to dangerous scenarios.

BATTERY TOOL USE AND CARE

- 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 cordless tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When the 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 the eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

IMPORTANT SAFETY TIPS FOR THE BATTERY CARTRIDGE

- Before using the battery cartridge, read all instructions and cautionary markings on the battery charger, the battery, and the product using the battery.
- Do not disassemble the battery cartridge.
- If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns, and even an explosion.
- 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.

DO NOT SHORT THE BATTERY CARTRIDGE

- Do not touch the terminals with any conductive material.
- Avoid storing the battery cartridge in a container with other metal objects such as nails, coins, etc.
- Do not expose the battery cartridge to water or rain. A battery short can cause a large current flow, overheating, possible burns, and even a breakdown.
- Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50° C.
- Do not incinerate the battery cartridge even if it is severely damaged or completely worn out. The battery cartridge can explode in a fire.
- Be careful not to drop or strike the battery.
- Do not use a damaged battery.

TIPS FOR MAINTAINING MAXIMUM BATTERY LIFE

- Charge the battery cartridge before it's completely discharged. Always stop tool operation and charge the battery cartridge when you notice a battery shortage or less power in the tool operation.
- Never recharge a fully charged battery cartridge.
- Overcharging shortens the battery service life.
- Charge the battery cartridge at room temperature between 10°C and

40°C.

- Let a hot battery cartridge cool down before charging it.

CORDLESS DRILL/ SCREW DRIVER SAFETY TIPS

WARNING

- Hold the cordless tool by insulated gripping surfaces, when operating where the fastener may contact hidden wiring.
- Fasteners contacting a “live” wire may make exposed metal parts of the cordless tool “live” and could give the operator an electric shock.
- Always be sure you have a firm footing. Be sure no one is below you when using the tool in high locations.
- Hold the tool firmly.
- Keep your hands away from the rotating parts.
- Do not leave the tool running. Operate the tool only when it’s in your hands.
- Do not touch the drill bit or the workpiece immediately after operation; they may be extremely hot and could burn your skin.
- Some materials contain chemicals that may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.

WARNING

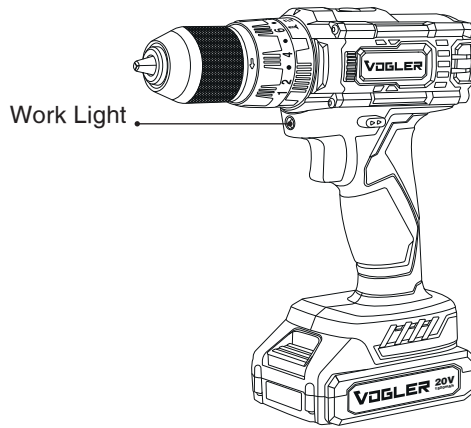
DO NOT let comfort or familiarity with the product (gained from repeated use) replace strict adherence to safety rules for the product. Improper use or failure to follow the safety rules outlined in the instruction manual may result in serious personal injury.

LIGHTING UP THE FRONT LAMP

CAUTION

Do not look directly into the source of light.

Pull the switch trigger to light up the lamp. The lamp keeps on lighting while the switch trigger is being pulled.

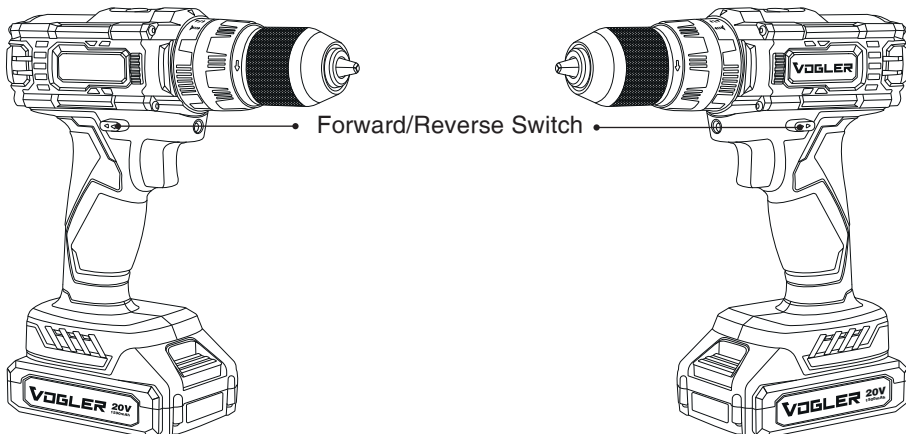


! NOTE

Use a dry cloth to wipe the dirt off the lamp lens. Be careful not to scratch the lamp lens, as it may lower the illumination.

REVERSING THE SWITCH ACTION

This tool has a reversing switch to change the rotation direction. Depress the reversing switch lever from the A side for clockwise rotation or the B side for counterclockwise rotation. The switch trigger cannot be pulled when the reversing switch lever is neutral.



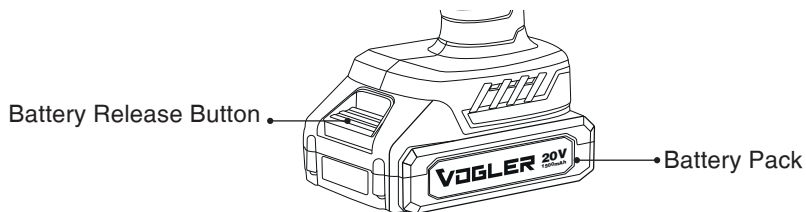
FUNCTIONAL DESCRIPTION

⚠ CAUTION

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

BATTERY CARTRIDGE INSTALLATION OR REMOVAL

- To remove the battery cartridge, withdraw it from the tool while sliding the button on the front of the cartridge.
- To insert the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Always insert it until it locks in place with a little click.
- Do not use force when inserting the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.

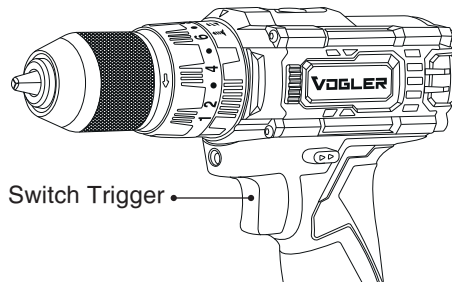


SWITCH ACTION

⚠ CAUTION

- Before inserting the battery cartridge into the tool, always check to see that the switch trigger actuates properly and returns to the «OFF» position when released.
- Always check the rotation direction before operation.
- Use the reversing switch only after the tool comes to a complete stop. Changing the rotation direction before the tool stops may damage the tool.
- When not operating the tool, always set the reversing switch lever to

the neutral position.

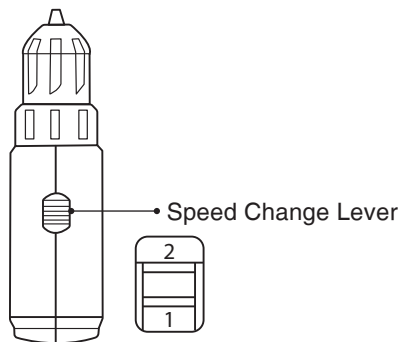


SPEED CHANGE

To change the speed, first turn off the tool and then slide the speed change lever to the «2» side for high speed or the «1» side for low speed. Be sure that the speed change lever is set to the correct position before operation. Use the right speed for your job.

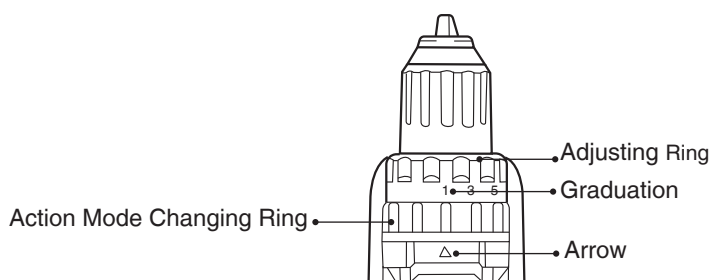
⚠ CAUTION

- Always set the speed change lever fully to the correct position. If you operate the tool with the speed change lever positioned halfway between the «1» side and «2» side, the tool may be damaged.
- Do not use the speed change lever while the tool is running. This might damage the tool.



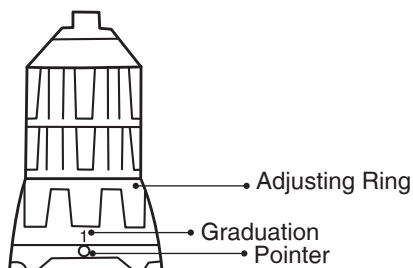
Always set the ring correctly to your desired mode mark. If you operate the tool with the ring positioned halfway between the mode marks, the tool may be damaged.

This tool has three action modes. Drilling mode (rotation only), Hammer drilling mode (rotation with hammering), and Screwdriving mode (rotation with clutch). Select one mode suitable for your work. Turn the action mode changing ring and align the mark that you selected with the arrow on the tool body.



ADJUSTING THE FASTENING TORQUE

The fastening torque can be adjusted in 18 steps by turning the adjusting ring so that its graduations are aligned with the pointer on the tool body. The fastening torque is minimum when the number 1 is aligned with the pointer and maximum when the marking is aligned with the pointer. Before actual operation, drive a trial screw into your material or a piece of duplicate material to determine which torque level is required for a particular application.

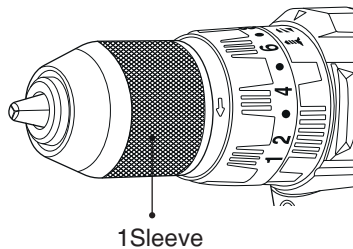


⚠ CAUTION

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

DRIVER BIT OR DRILL BIT INSTALLATION OR REMOVAL

Turn the sleeve counterclockwise to open the chuck jaws. Place the bit in the chuck as far as it will go. Turn the sleeve clockwise to tighten the chuck. To remove the bit, turn the sleeve counterclockwise.



NOTE

When driving wood screws, pre-drill pilot holes to make driving easier and to prevent splitting of the workpiece. See the chart.

Nominal diameter of wood screw (mm)	Recommended size of Pilot Hole (mm)
3.1	2.0~2.2
3.5	2.2~2.5
3.8	2.5~2.8
4.5	2.9~3.2
4.8	3.1~3.4
5.1	3.3~3.6
5.5	3.7~3.9
5.8	4.0~4.2
6.1	4.2~4.4

OPERATION

CAUTION

Always insert the battery cartridge 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 with one hand on the grip and the other hand on the bottom of the battery cartridge to control the twisting action.

DRILLING OPERATION

First, turn the adjusting ring so that the pointer points to the marking. Then proceed as follows.

When drilling in wood, the best results are obtained with wood drills equipped with a guide screw. The guide screw makes drilling easier by pulling the bit into the workpiece. To prevent the bit from slipping when starting a hole, make an indentation with a center punch and hammer at the point to be drilled. Place the point of the bit in the indentation and start drilling. Use a cutting lubricant when drilling metals. The exceptions are iron and brass which should be drilled dry.

CAUTION

- Pressing excessively on the tool will not speed up the drilling. This excessive pressure will only serve to damage the tip of your bit, decrease the tool's performance, and shorten the service life of the tool.
- A stuck bit can be removed simply by setting the reversing switch to reverse rotation to back out. However, the tool may back out abruptly if you do not hold it firmly.
- Always secure small workpieces in a vise or similar hold-down device.

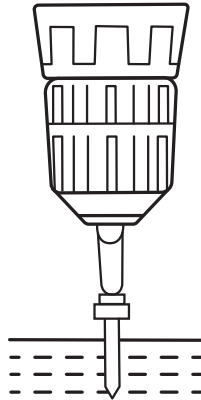
SCREW DRIVING OPERATION

Adjust the adjusting ring to the proper torque level for your work. Place the point of the driver bit in the screw head and apply pressure to the tool. Start the tool slowly and then increase the speed gradually. Release the

switch trigger as soon as the clutch cuts in.

⚠ CAUTION

- Make sure the driver bit is inserted straight in the screw head, or the screw and/or bit may be damaged.
- Always secure small workpieces in a vise or similar hold-down device.
- If the tool is operated continuously until the battery cartridge has discharged, allow the tool to rest for 15 minutes before proceeding with a fresh battery.



SERVICE AND MAINTENANCE

- Get your cordless tool serviced regularly by a qualified repair person using only identical replacement parts. This will help maintain the safety and performance of your cordless tool.
- Follow instructions for lubricating and changing accessories.
- Keep handles dry, clean, and free from oil and grease.

CAUTION

FOR YOUR SAFETY

Always ensure the tool is switched off, and unplugged, and the battery cartridge is removed before attempting to perform inspection or maintenance.

MAINTAIN AIRFLOW

Regularly clean the tool's air vents to prevent overheating and ensure optimal performance. Clean them more frequently if working in dusty environments.

CLEANING

Never use gasoline, benzene, thinner, alcohol, or the like. Discoloration, deformation, or cracks may result.

PROFESSIONAL MAINTENANCE

For optimal safety and reliability, we recommend that repairs and any other maintenance tasks beyond user capabilities be performed by the Vogler Service Center using genuine Vogler replacement parts.

ENVIRONMENTAL PROTECTION

This electronic device contains components that require special disposal. To protect resources and the environment, please do not throw them away with regular household garbage. Recycle this product through your local electronics recycling program. If you have any questions, you can also contact your local waste management office or a certified electronics recycler.





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