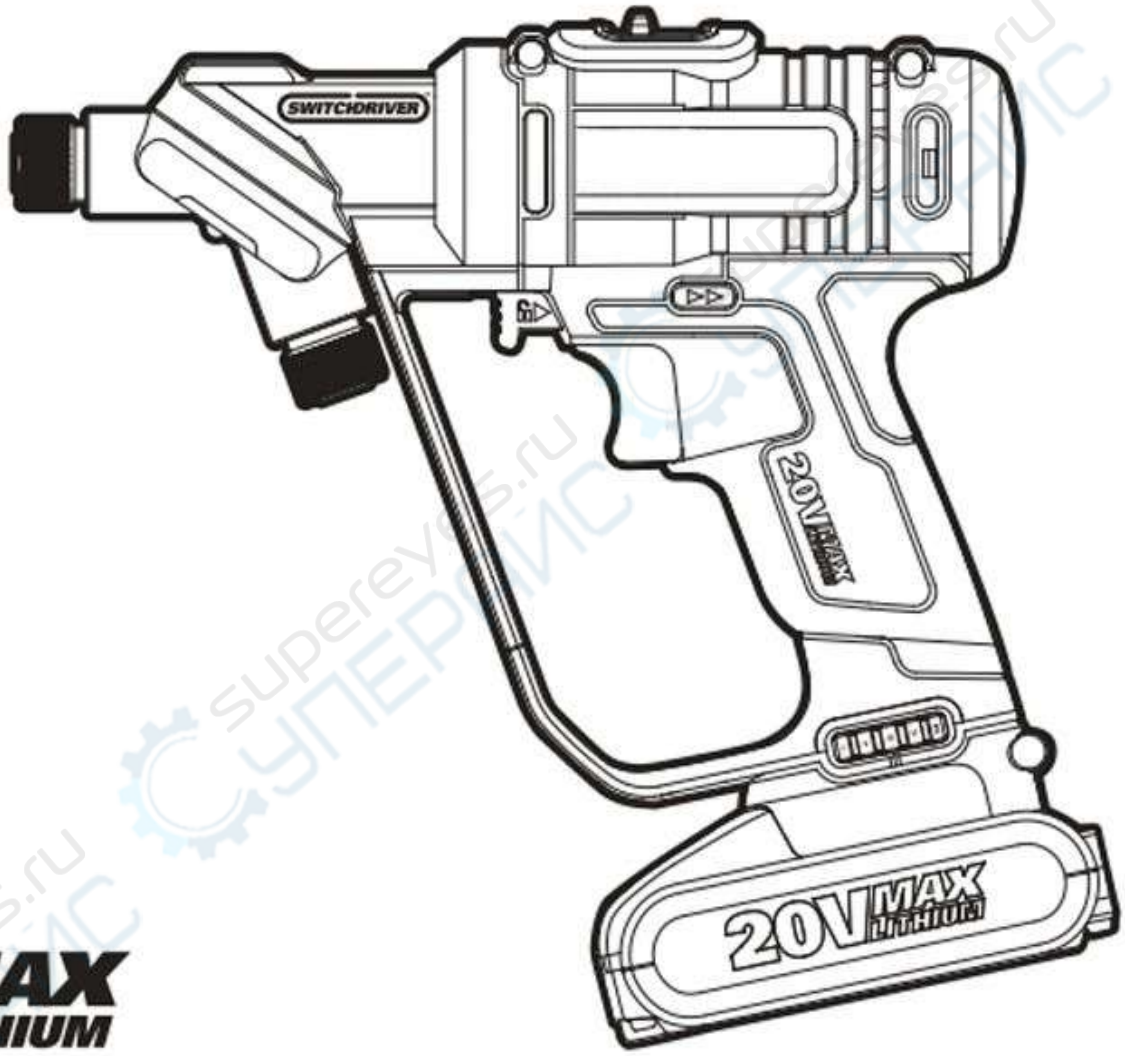
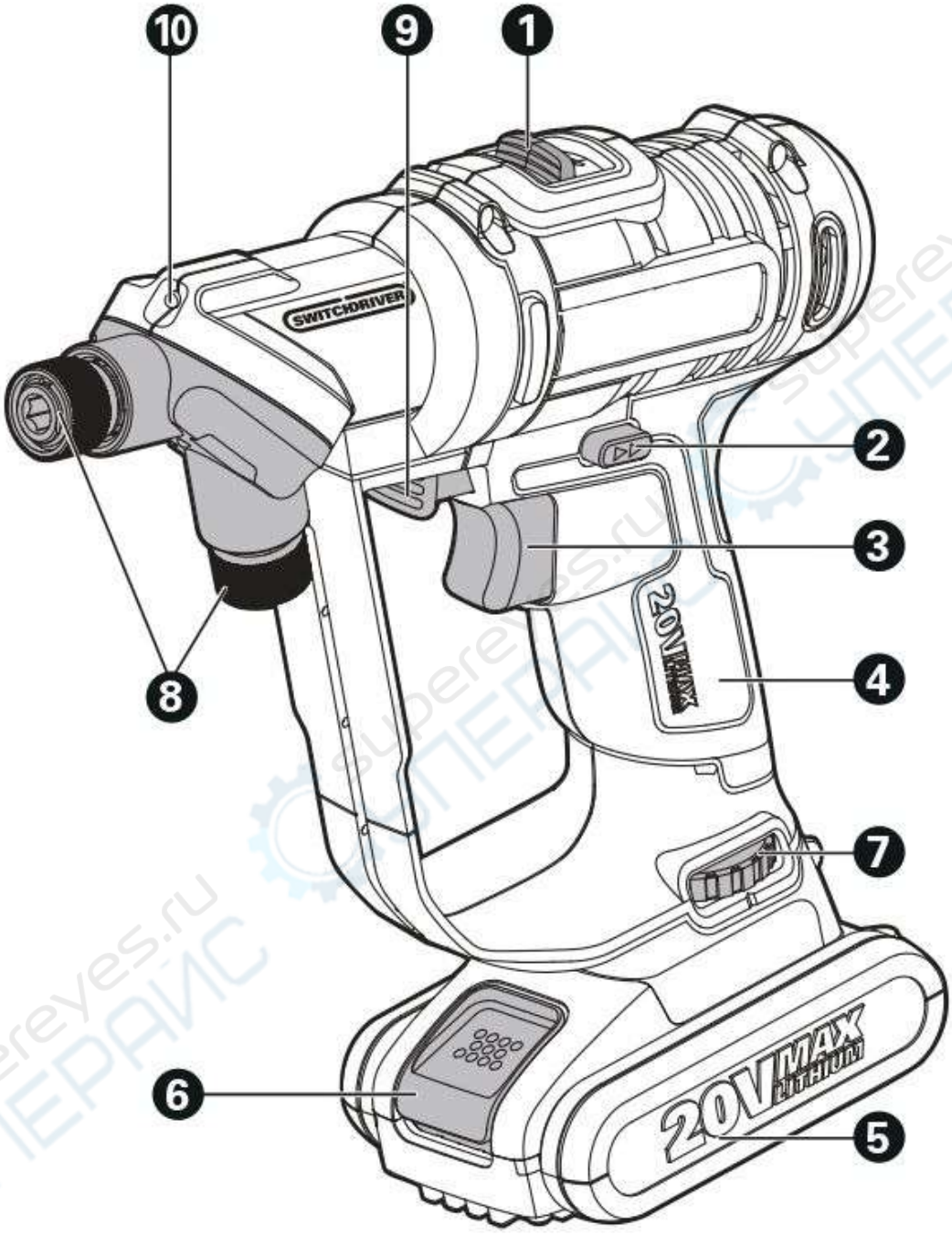
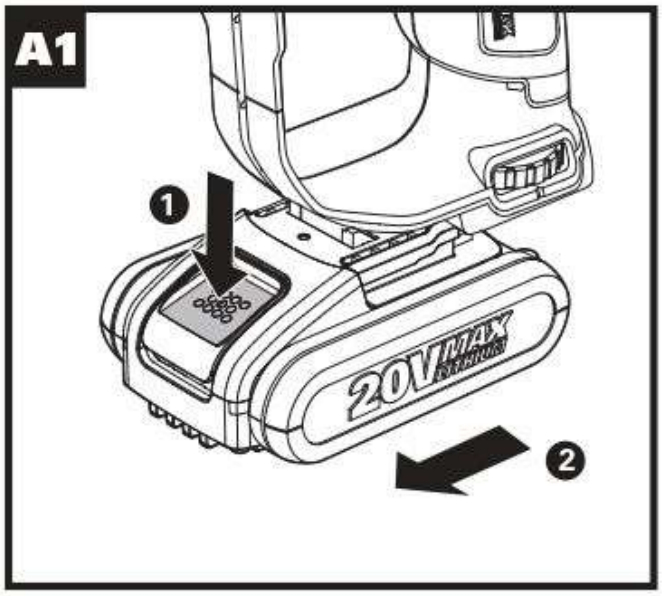
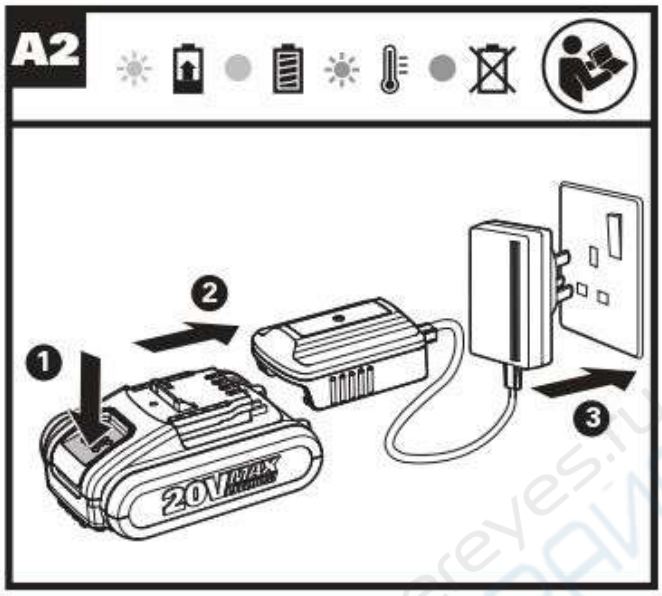


20V MAX LITHIUM


10
9
1
SWITCHDRIVER
2
3
20V MAX
4
8
7
6
20V MAX LITHIUM
5


A1
1
2
20V MAX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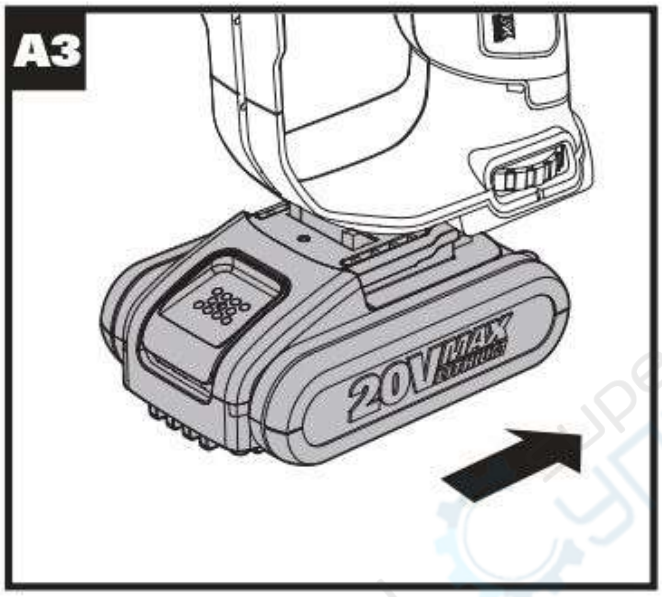
1
2
3
20V MAX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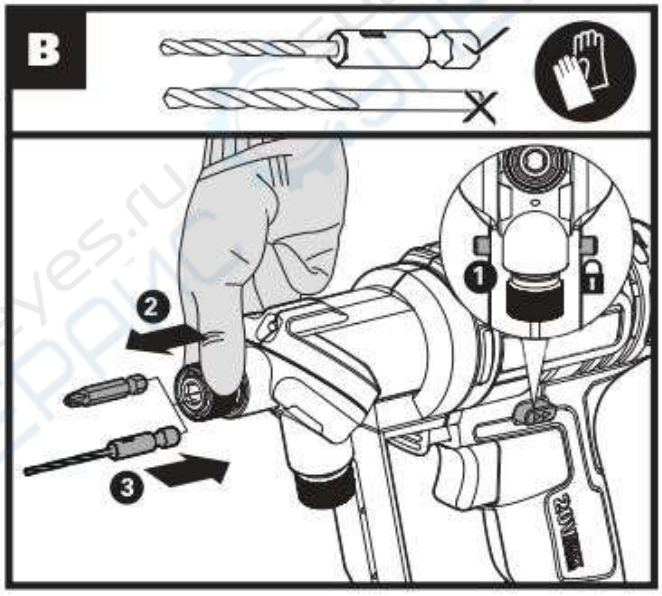
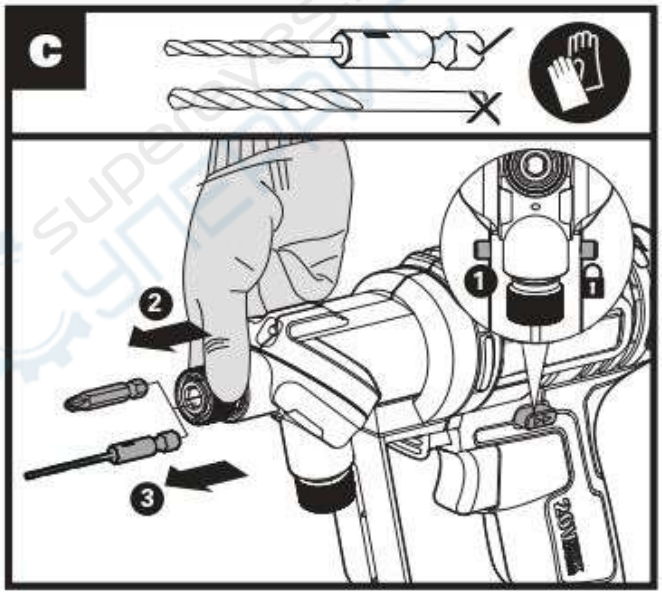
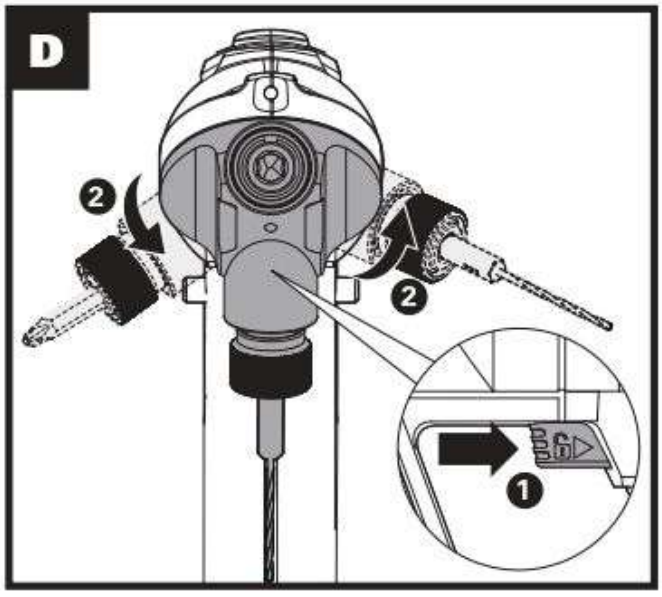
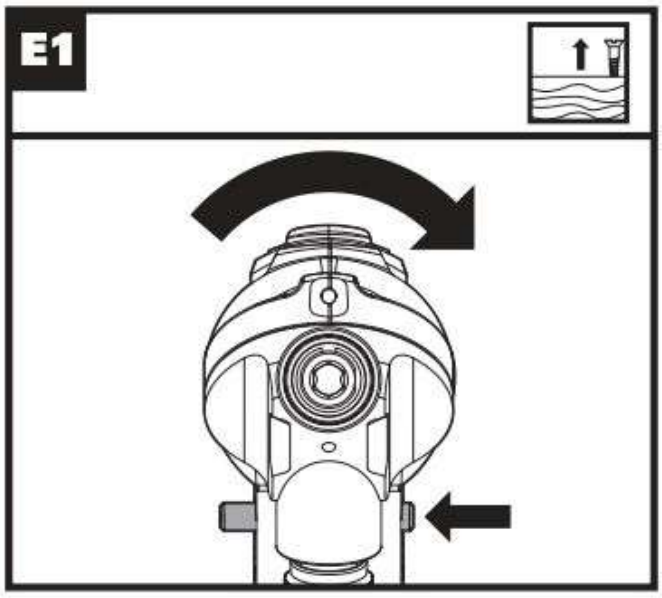
20V MAX


B
1
2
3


C
1
2
3


D
1
2
2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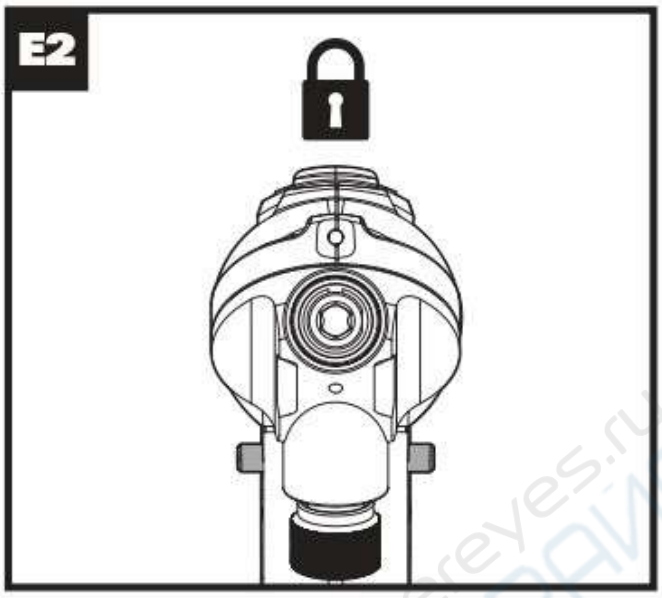
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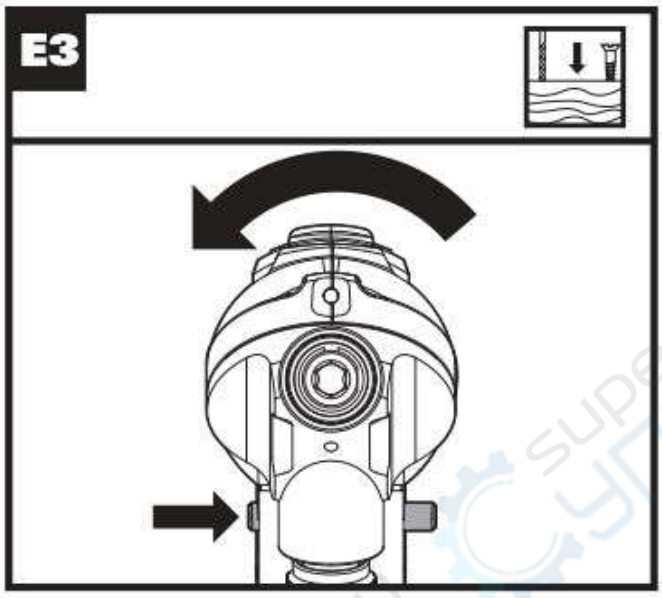
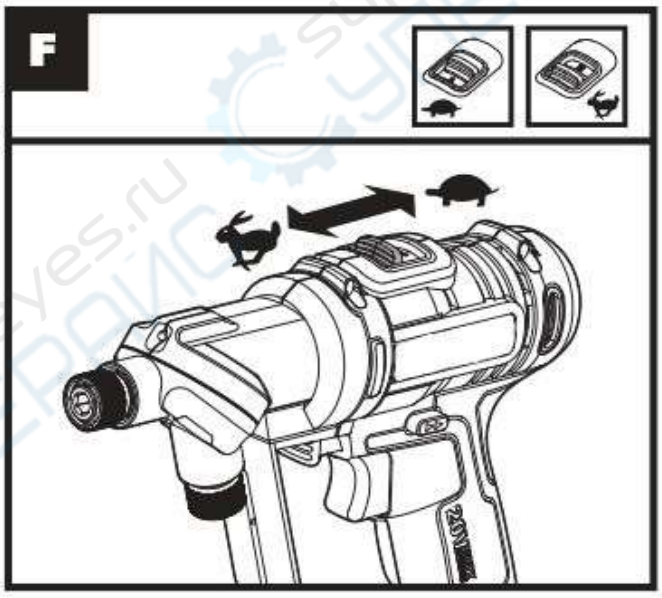

E3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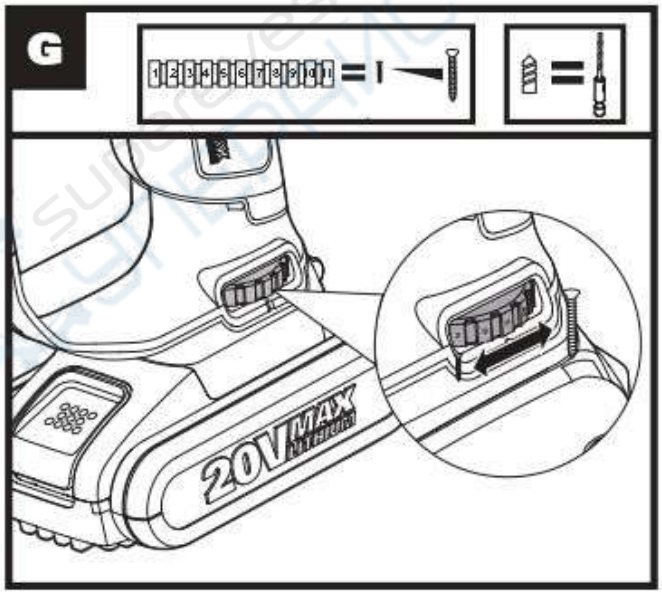
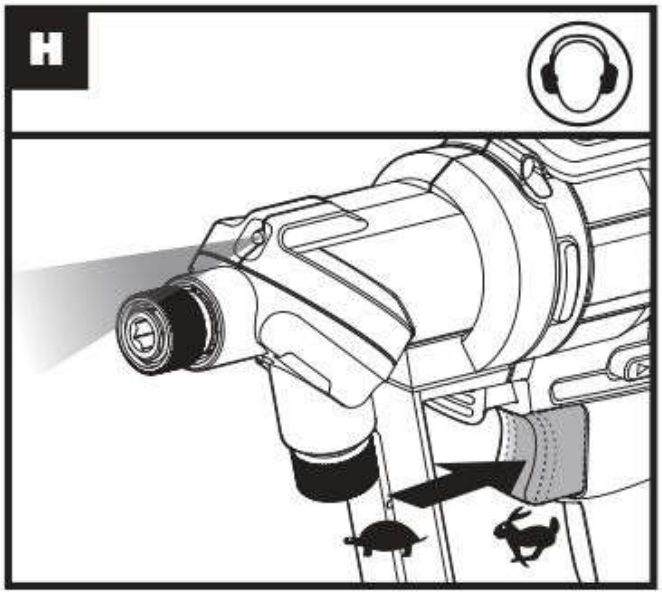

G
20V MAX


H

1.	**TWO-SPEED GEAR CONTROL**
2.	**FORWARD/REVERSE ROTATION CONTROL**
3.	**ON/OFF SWITCH**
4.	**SOFT GRIP HANDLE**
5.	**BATTERY PACK**
6.	**BATTERY PACK RELEASE BUTTON**
7.	**ELECTRONIC TORQUE-ADJUSTING DIAL**
8.	**COLLET LOCKING SLEEVE**
9.	**DUAL CHUCK RELEASE BUTTON**
10.	**LED LIGHT**

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

TECHNICAL DATA

Type **WX176 WX176.1 WX176.9**
(1-designation of machinery, representative of Cordless Drill)

		WX176 WX176.1	WX176.9
Charger voltage		100-240V ~50/60Hz	
Rated voltage		20V⎓ Max*	
No load speed		0-400/0-1500/min	
Clutch positions		11+1	
Max torque		30N.m	
Chuck capacity		1/4" (6.35mm)	
Max. drilling capacity	Steel	10mm	
	Wood	30mm	
Machine weight		1.32kg	0.94kg

***Voltage measured without workload. Initial battery voltage reaches maximum of 20 volts. Nominal voltage is 18 volts.**

NOISE INFORMATION

A weighted sound pressure	L_{pA}: 61.0dB(A)
A weighted sound power	L_{WA}: 72.0dB(A)
K_{PA}& K_{WA}	3.0dB (A)
Wear ear protection when sound pressure is over	80dB(A)

VIBRATION INFORMATION

Vibration total values (triax vector sum) determined according to EN 60745:

Drilling into metal	Vibration emission value $a_{h,D}$ = 7.24m/s²
	Uncertainty K = 1,5m/s²
Screw driving without impact	Vibration emission value a_h = 7.24m/s²
	Uncertainty K = 1,5m/s²

The declared vibration total value may be used for comparing one tool with another, and may also be used in a preliminary assessment of exposure.

WARNING: The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used dependant on the following examples and other variations on how the tool is used:
How the tool is used and the materials being cut or drilled.
The tool being in good condition and well maintained
The use the correct accessory for the tool and ensuring it is sharp and in good condition.
The tightness of the grip on the handles and if any anti vibration accessories are used.
And the tool is being used as intended by its design and these instructions.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed.

WARNING: To be accurate, an estimation of exposure level in the actual conditions of use should take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.
Helping to minimize your vibration exposure risk.
ALWAYS use sharp chisels, drills and blades.
Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).
If the tool is to be used regularly then invest in anti vibration accessories.
Avoid using tools in temperatures of 10°C or less.
Plan your work schedule to spread any high vibration tool use across a number of days.

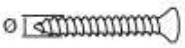
ACCESSORIES

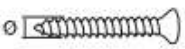
	WX176	WX176.1	WX176.9
Battery pack	1	1	/

Charger	1	1	/
16pc Drill bit set (WA1115)	1	/	1
100pc Drill bit set (WA1114)	/	1	/

We recommend that you purchase your accessories from the same store that sold you the tool. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

Recommended pilot-hole size for Screws

	3mm	3.5mm	4mm	4.5mm
	1.5mm	2mm	2.5mm	3mm

	5mm	6mm	8mm
	3mm	3.5mm	4mm/5mm

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.** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

SCREW DRIVER SAFETY WARNING

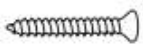
1. **Hold power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring. Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.**

SAFETY WARNINGS FOR BATTERY PACK

a) **Do not dismantle, open or shred cells or battery pack.**
b) **Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.** 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.
c) **Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.**
d) **Do not subject battery pack to mechanical shock.**
e) **In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.**
f) **Seek medical advice immediately if a cell or battery pack has been swallowed.**
g) **Keep battery pack clean and dry.**
h) **Wipe the battery pack terminals with a clean dry cloth if they become dirty.**
i) **Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.**
j) **Do not maintain battery pack on charge when not in use.**
k) **After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.**
l) **Battery pack gives its best performance when it is operated at normal room temperature (20°C ± 5°C).**
m) **When disposing of battery packs, keep battery packs of different electrochemical systems separate from each other.**
n) **Recharge only with the charger specified by WORX. Do not use any charger other than that specifically provided for use with the equipment.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
o) **Do not use any battery pack which is not designed for use with the equipment.**
p) **Keep battery pack out of the reach of children.**
q) **Retain the original product literature for future reference.**
r) **Remove the battery from the equipment when not in use.**
s) **Dispose of properly.**

SYMBOLS

	To reduce the risk of injury, user must read instruction manual

	Warning
	Wear ear protection
	Wear eye protection
	Wear dust mask
	Do not expose to rain or water.
	Do not burn
	Wear protective gloves
	Do not dispose of batteries, Return exhausted batteries to your local collection or recycling point.
	Great torque
	Small torque
	Wood
	Metal

	High speed
	Low speed
	Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.
	xINR18/65-y: Cylindrical lithium Ion battery cells with max diameter of 18mm and max height of 65mm; "x" represents a number cells serial connected, blank if 1; "-y" represents a number of cells paralleled connected, blank if 1.

OPERATING INSTRUCTIONS

NOTE: Before using the tool, read the instruction book carefully.

INTENDED USE

The machine is intended for drilling (including pilot hole) in wood, metal and plastic as well as for driving and removing fasteners.

ASSEMBLY AND OPERATION

ACTION	FIGURE
BEFORE OPERATION	
Removing the Battery Pack	See Fig. A1
Charging the Battery Pack More details can be found in charger's manual	See Fig. A2
Installing the Battery Pack	See Fig. A3
ASSEMBLY	
Inserting the Bits	See Fig. B
Removing the Bits	See Fig. C

OPERATION	
Rotating the Dual Chuck	See Fig. D
FORWARD/REVERSE ROTATION CONTROL ⚠ **WARNING:** Never change the direction of rotation when the chuck is rotating, wait until it has stopped!	See Fig. E1, E2, E3
TWO-SPEED GEAR CONTROL ⚠ **WARNING:** To prevent gear damage, always allow the chuck to come to a complete stop before changing gears.	See Fig. F
Drilling/driving Torque Setting	See Fig. G
ON/OFF SWITCH ⚠ **WARNING:** Do not operate for long periods at low speed because excess heat will be produced internally.	See Fig. H

USING THE LED LIGHT(See Fig. H)

⚠ **WARNING:** To turn on the light, press the On/Off Switch and make sure the Forward/Reverse Rotation Control is on right/left position.

The LED Light is also a battery capacity indicator. It will flash when power gets low.

LED lighting increases visibility-great for dark or enclosed area. LED is also a battery capacity indicator. It will flash when power gets low.

The tool and battery pack are equipped with a protection system. When the LED Light is quickly flashing and turn off, the system will automatically cut off power to the tool to extend battery life. The tool will automatically stop during operation if the tool and/or battery pack are placed under one of the following conditions:

- **Overloaded:** The tool is operated in a manner that causes it to draw an abnormally high current. In this situation, release the Trigger Switch on the tool and stop the application that caused the tool to become overloaded. Then pull the Trigger Switch again to restart.
- **Overheated:** Under the condition above, if the tool does not start, the Tool and Battery Pack are overheated. In this situation, let the Tool and Battery Pack cool before pulling the Trigger Switch again.
- **Low battery voltage:** The remaining Battery capacity is too low and the tool will not operate. In this situation, remove and recharge the Battery Pack.

TROUBLESHOOTING

1. WHY DOES THE DRILL NOT TURN ON WHEN YOU PRESS THE SWITCH?

The Forward/Reverse Rotation Control, which is on top of the trigger, is positioned in the lock function. Unlock the Forward/Reverse Rotation Control by putting it into the required rotation position. Push the trigger and the drill will start to rotate.

2. THE DRILL STOPS BEFORE THE SCREW IS COMPLETELY TIGHTENED. WHY?

Verify the torque position of the Electronic Torque-Adjusting Dial. Find the Electronic Torque-Adjusting Dial (7) at the end of the soft grip handle. Position 1 is the lowest torque (screw driving force) and position 11 is the highest torque (screw driving force). Position is for drilling operation. Regulate the Electronic Torque-Adjusting Dial to a higher position to reach better result.

3. REASONS FOR DIFFERENT BATTERY PACK WORKING TIMES

Charging time problems, and having not used a Battery Pack (8) for a prolonged time will reduce the Battery Pack working time. This can be corrected after several charge and discharge operations by charging & working with your drill. Heavy working conditions such as large screws into hard wood will use up the Battery Pack energy faster than lighter working conditions. Do not re-charge your Battery Pack below 0°C(32°F) and above 45°C (113°F)word as this will affect performance.

4. WHY DRILL BITS CAN NOT BE INSERTED INTO THE COLLET ?

Only 1/4" hex bits will work with this collet. We recommend that you use the dills/bits like those supplied with your Switchdriver.

5. WHY DOES THE DRILL NOT WORK AFTER ROTATING THE DUAL CHUCK?

The drill can work only when the Dual Chuck is in right position as shown in Fig. H. When the Dual Chuck reaches proper position, you can hear a "click" sound.