

ONEVAN Electric Ratchet Wrench

Cordless Electric Ratchet Wrench Set Instruction Manual

MODEL: ELECTRIC RATCHET WRENCH | BRAND: ONEVAN

1. Introduction

Thank you for purchasing the ONEVAN Cordless Electric Ratchet Wrench Set. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before first use and keep it for future reference. Proper use and care will ensure optimal performance and extend the lifespan of your ratchet wrench.

2. Safety Instructions

Always observe basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **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.
- **Personal Safety:** Always wear eye protection. Use safety glasses, goggles, or a face shield. Wear hearing protection when operating the tool for extended periods. Dress properly; do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. It will do the job better and safer at the rate for which it was designed. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack 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 power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- **Service:** 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.

3. Package Contents

Upon opening the package, please verify that all items listed below are present and undamaged. If any items are missing or damaged, please contact customer support.

- 1 x Cordless Ratchet Wrench
- 2 x 20V 2.0Ah Lithium-Ion Batteries
- 1 x Fast Charger
- 7 x Sockets (various sizes)
- 1 x Adapter



Image: The complete ONEVAN Cordless Electric Ratchet Wrench Set, showcasing the main wrench unit, two 20V 2.0Ah batteries, a fast charger, and a collection of seven sockets and one adapter.

4. Product Overview

The ONEVAN Cordless Electric Ratchet Wrench is designed for efficient fastening and loosening of bolts and nuts in various applications, including automotive, home repair, and mechanical tasks. It features a powerful brushless motor and an ergonomic design for comfortable use.

UPGRADED BRUSHLESS MOTOR

More power, better performance

MAX TORQUE

550 N.m

80% ↑
Power

60% ↑
Running Time

100% ↑
Life Time

80% ↑
Efficiency

Image: Illustration of the wrench's internal brushless motor, emphasizing its upgraded design for improved power and performance, capable of delivering up to 550 N.m (412 ft-lbs) of torque.



90° RATCHET WRENCH



CAR REPAIR



HOME USE



MACHINE FIXING

Image: The 90-degree head of the ratchet wrench shown in an automotive application, with icons indicating its suitability for car repair, general home use, and machine fixing tasks.



COMPACT SIZE FOR TIGHT SPACES

Image: The compact design of the ONEVAN ratchet wrench, illustrating its ability to access fasteners in confined or tight spaces, such as within an engine compartment.



Image: The integrated LED working light on the ONEVAN ratchet wrench, shown illuminating a dark work area, enhancing visibility for the user.

5. Setup

1. Charging the Battery:

Insert the 20V 2.0Ah battery into the fast charger. Plug the charger into a standard electrical outlet. The indicator light on the charger will show the charging status (e.g., red for charging, green for fully charged). Allow the battery to fully charge before first use. Charging time may vary.

2. Installing the Battery:

Align the charged battery pack with the battery port at the base of the ratchet wrench handle. Slide the battery into place until it clicks securely. Ensure it is firmly seated to prevent accidental disconnection during operation.

3. Attaching Sockets/Adapter:

Select the appropriate socket size for your application. Push the socket firmly onto the 1/2-inch square drive anvil of the ratchet wrench until it locks into place. To remove, pull the socket off the anvil. If using the adapter, attach it first,

then the desired bit or socket.

6. Operating Instructions

1. Powering On/Off:

The tool is activated by pressing the variable speed trigger. Releasing the trigger will turn the tool off.

2. Variable Speed Trigger:

The tool features a variable speed trigger, allowing you to control the rotation speed from 0 to 1600 RPM. Press the trigger gently for lower speeds and increase pressure for higher speeds. This provides precise control for various tasks.



Image: A visual representation of the variable speed trigger mechanism on the wrench, accompanied by a graph demonstrating how trigger pressure correlates with the rotational speed (RPM) from 0 to 1600.

3. Forward/Reverse Rotation Switch:

Located near the trigger, the forward/reverse switch controls the direction of rotation. Push the switch to the left for forward rotation (tightening bolts) and to the right for reverse rotation (loosening bolts). Ensure the switch is in the

desired position before operating the tool. The center position locks the trigger for safety.

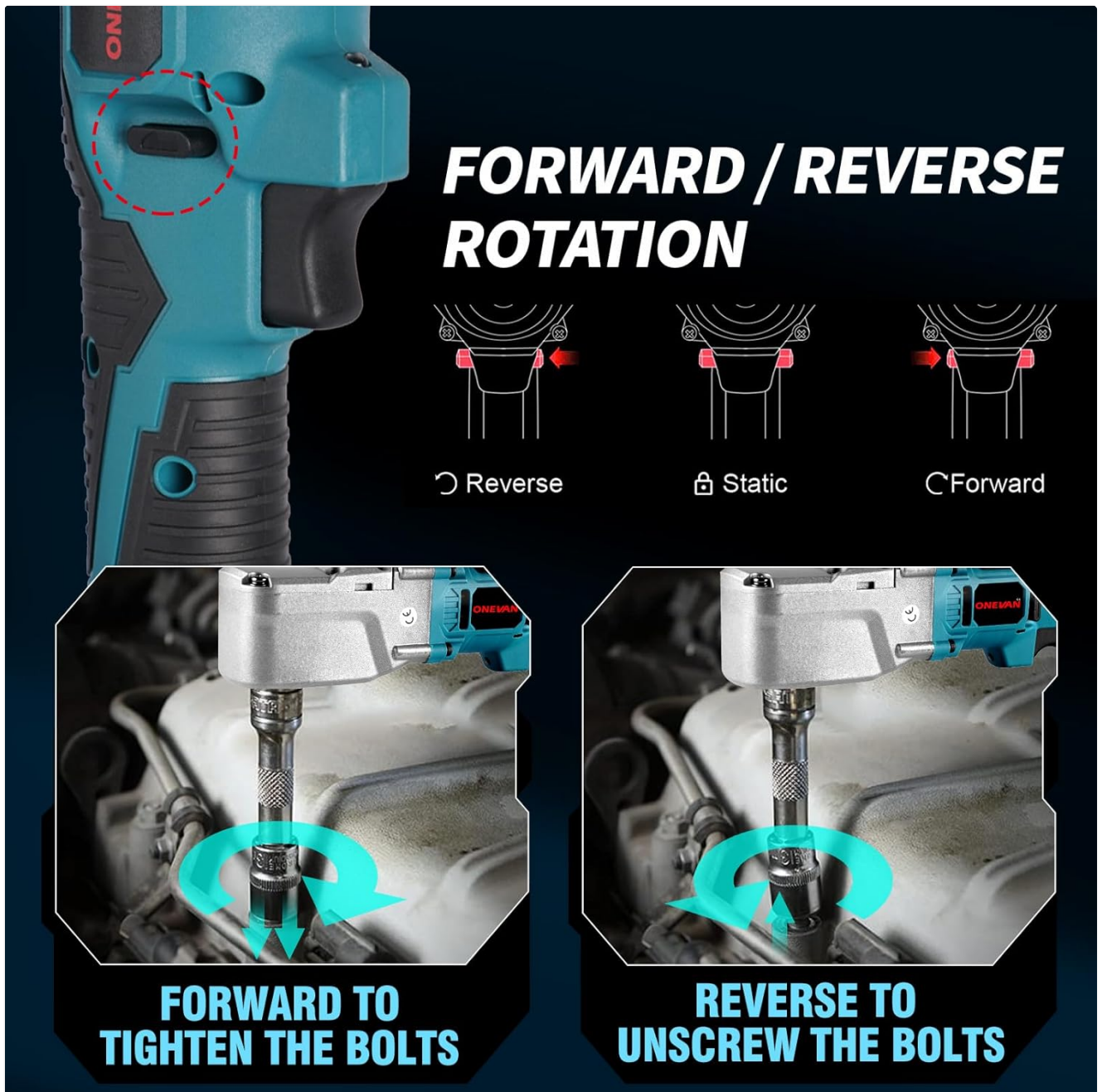


Image: A detailed view of the forward/reverse rotation switch, showing its three positions: reverse, static (trigger lock), and forward. Accompanying images demonstrate the wrench tightening a bolt in forward mode and unscrewing a bolt in reverse mode.

4. Using the LED Work Light:

The built-in LED light automatically illuminates when the trigger is pressed, providing visibility in dimly lit work environments. This feature enhances precision and safety.

5. Applying Torque:

The wrench delivers a maximum tightening torque of 550 N.m (412 ft-lbs). For critical applications requiring specific torque values, always use a calibrated torque wrench for final tightening or verification after using the electric ratchet wrench.

7. Maintenance

Regular maintenance ensures the longevity and optimal performance of your ONEVAN Cordless Electric Ratchet Wrench.

- **Cleaning:** After each use, wipe down the tool with a clean, damp cloth. Do not use harsh chemicals or abrasive

cleaners. Keep ventilation openings clear of dust and debris.

- **Storage:** Store the tool, batteries, and charger in a cool, dry place, away from direct sunlight and moisture. Ensure the battery is removed from the tool before storage.
- **Battery Care:** Do not store batteries in a discharged state. Recharge them periodically if not in use for extended periods (e.g., every 3-6 months) to maintain battery health. Avoid exposing batteries to extreme temperatures.
- **Inspection:** Periodically inspect the tool for any signs of damage, loose screws, or worn parts. If any issues are found, discontinue use and contact customer support for repair.

8. Troubleshooting

This section addresses common issues you might encounter with your electric ratchet wrench.

Problem	Possible Cause	Solution
Tool does not turn on.	Battery is not charged or not properly installed. Trigger lock is engaged.	Ensure battery is fully charged and securely inserted. Disengage the forward/reverse switch from the center (locked) position.
Tool operates with reduced power.	Battery charge is low.	Recharge the battery. Ensure the battery is fully charged before use.
Tool stops during operation.	Overload protection activated. Battery is depleted.	Reduce the load on the tool. Allow the tool to cool down if it feels hot. Replace with a charged battery.
Socket does not attach securely.	Debris in the square drive. Socket is not fully pushed on.	Clean the square drive anvil. Ensure the socket is pushed firmly until it clicks into place.

9. Specifications

Key technical specifications for the ONEVAN Cordless Electric Ratchet Wrench.

Feature	Specification
Voltage	20V DC
Maximum Speed	1600 RPM
Impact Frequency	0-3600 IPM
Maximum Tightening Torque	550 N.m (412 ft-lbs)
Steering	Forward and Reverse
Gears	2 gears
LED Light	Yes
Battery Capacity	2.0Ah Lithium Ion

Feature	Specification
Item Weight	~6 pounds
Material	Metal

10. Warranty and Support

Specific manufacturer warranty details are not provided within the product information. For warranty claims, technical support, or service inquiries, please contact ONEVAN customer service directly through their official channels or the retailer from whom the product was purchased. Keep your purchase receipt as proof of purchase.

For further assistance, you may visit the ONEVAN Store on Amazon:[ONEVAN Store](#)



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