

Eastvolt FF-01B

Eastvolt FF-01B 12V Cordless Electric Ratchet Wrench Set Instruction Manual

Model: FF-01B | Brand: Eastvolt

1. INTRODUCTION

Thank you for choosing the Eastvolt 12V Cordless Electric Ratchet Wrench Set. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new tool. Please read it thoroughly before use and keep it for future reference.

2. SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep your work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Keep children and bystanders away while operating a power tool. Wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves. Avoid accidental starting; ensure the switch is in the off-position before connecting to a battery pack, picking up or carrying the tool. Do not overreach; keep proper footing and balance at all times.

3. PACKAGE CONTENTS

Your Eastvolt 12V Cordless Electric Ratchet Wrench Set includes the following items:

- 1 x 12V Ratchet Wrench (Bare Tool)
- 1 x 2.0Ah Li-Ion Battery
- 1 x Fast Battery Charger
- 1 x Storage Case
- 7 x 3/8-inch Metric Sockets (10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 17mm)
- 1 x 1/4-inch Adaptor
- 1 x User Manual (This Document)

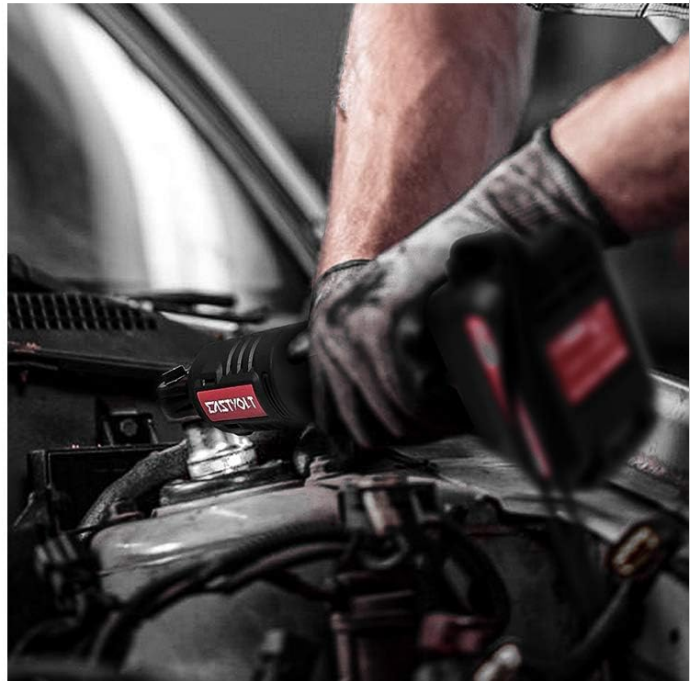
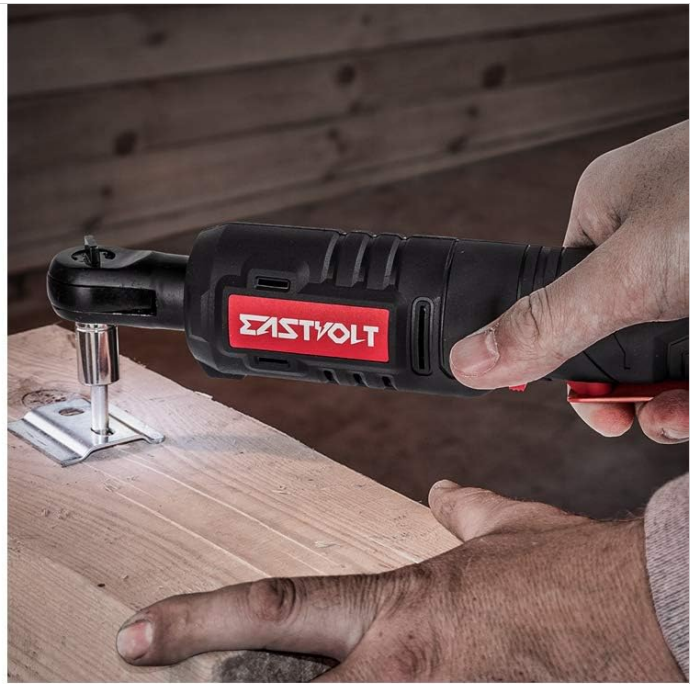


Figure 3.1: All components of the Eastvolt 12V Cordless Electric Ratchet Wrench Set neatly organized in its hard carrying case.

4. PRODUCT FEATURES AND COMPONENTS

The Eastvolt FF-01B Ratchet Wrench is designed for efficiency and ease of use in various applications.

- **Powerful & Efficient:** 12 Volt motor delivers up to 35 Ft-Lbs (45Nm) of maximum torque; max 230 RPM can speed up bolt removal and fastening.
- **Compact & Lightweight:** 3/8" head can be applied into many tight spaces, like auto engines, scaffolding installation, mechanical breakdown service, and others; it weighs only 2.1 lbs to reduce long-time using fatigue.
- **Convenient Safety Use & Ergonomic Design:** Designed with a two-step start switch, the lock-off lock prevents accidental start; forward and reverse switch for easy changing direction. Slim body with anti-slip grip provides comfortable usage and better control.
- **LED Light & Fuel Gauge:** Built-in LED light helps you to work in dark areas. The battery indicator tells you real-time battery level, so you can charge the battery in time.



Figure 4.1: Detailed diagram showing the key components of the Eastvolt Ratchet Wrench, including the 3/8 Square Drive, Forward/Reverse switch, LED Working Light, Radiator, Safety Lock Switch, Handle, Variable Speed Trigger, Battery Pack Removal Switch, and 12V 2000mAh Li-ion Battery.

EFFICIENT CORDLESS RATCHET WRENCH SET



3/8

Drive



With 1/4

Socket Adapter



With 3/8

Sockets



Figure 4.2: The Eastvolt Ratchet Wrench head configured for 3/8-inch drive, with a 1/4-inch socket adapter, and directly with 3/8-inch sockets.

5. SETUP

5.1. Charging the Battery

1. Ensure the battery is securely attached to the charger.
2. Plug the charger into a standard electrical outlet.
3. The battery indicator on the tool will show the charging status. A full charge typically takes approximately 1 hour.
4. Once fully charged, disconnect the charger from the outlet and remove the battery.

POWER ENDURANCE

Large capacity lithium battery with protective circuit board
Charge at any time without fear of damage to batteries

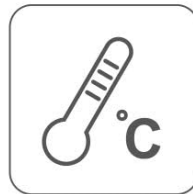
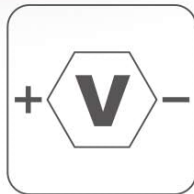
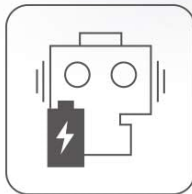


Figure 5.1: The 12V Max Lithium battery, featuring a large capacity and protective circuit board for safe and efficient charging.

5.2. Attaching Sockets

1. Select the appropriate 3/8-inch metric socket or the 1/4-inch adapter for your task.
2. Align the socket with the 3/8-inch square drive on the ratchet head.
3. Push the socket firmly onto the drive until it clicks into place. Ensure it is securely fastened before operation.
4. To remove, simply pull the socket off the drive.

QUICK CHANGE

Easy to Adjust, Quick Replacement Sleeve



Figure 5.2: The quick-change mechanism allows for easy adjustment and rapid replacement of sockets on the ratchet head.

5.3. Setup and Unboxing Video

Your browser does not support the video tag.

Video 5.1: This video provides a detailed unboxing and setup guide for the Eastvolt 12V Cordless Electric Ratchet Wrench, demonstrating its components and initial preparation for use.

Your browser does not support the video tag.

Video 5.2: A comprehensive overview of the Eastvolt 12V Cordless Electric Ratchet Wrench Set, showcasing its features and how to get started with the tool.

6. OPERATING INSTRUCTIONS

6.1. Powering On/Off and Direction Control

1. To activate the tool, first disengage the safety lock switch (red lever).
2. Press the trigger to start the ratchet. The LED light will illuminate to provide visibility.
3. To change the rotation direction (forward for tightening, reverse for loosening), use the forward/reverse lever located on the head of the ratchet.
4. Release the trigger to stop the tool. Engage the safety lock switch when not in use to prevent accidental operation.

PRESS PLATE SWITCH

Stepless speed change with one press and one release
No manual shift required



One Button Locking

Figure 6.1: The press plate switch enables stepless speed change with a single press and release, eliminating the need for manual shifting.

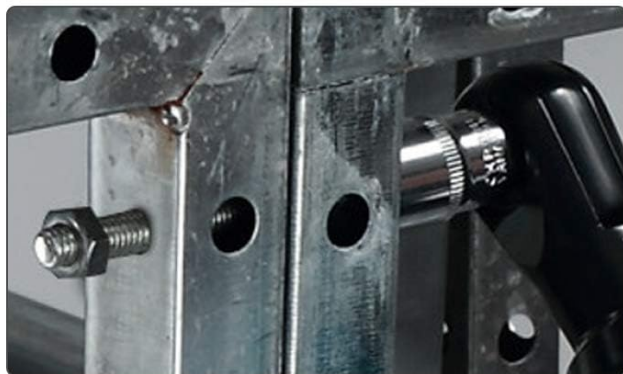
FORWARD / REVERSE LEVER

Forward rotation: Use for tighten object

Reverse rotation: Use for loosen object



Forward



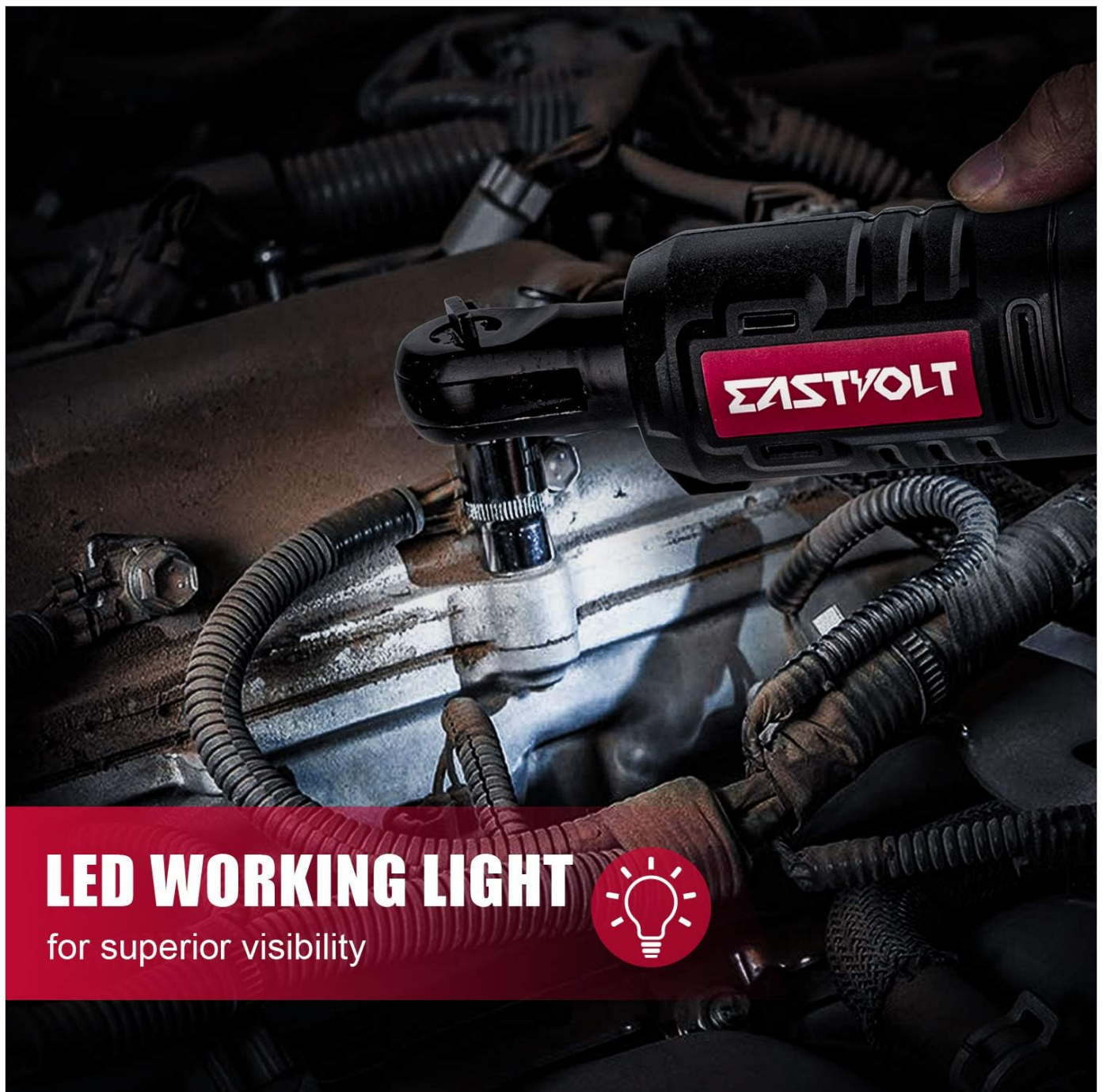
Reverse



Figure 6.2: The forward/reverse lever allows users to easily switch between tightening (forward rotation) and loosening (reverse rotation) bolts and nuts.

6.2. LED Working Light

The integrated LED working light automatically activates when the trigger is pressed, providing superior visibility in dimly lit work areas.



LED WORKING LIGHT
for superior visibility



Figure 6.3: The built-in LED light provides superior visibility, making it easier to work in dark or confined spaces.

6.3. Operational Demonstration Video

Your browser does not support the video tag.

Video 6.4: This video demonstrates the practical application of the Eastvolt 12V Cordless Electric Ratchet Wrench, highlighting its ease of use and effectiveness in various tasks.

Your browser does not support the video tag.

Video 6.5: Watch this video for a detailed look at the Eastvolt Cordless 3/8" Ratchet Kit in action, illustrating its performance and features during operation.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Eastvolt Ratchet Wrench.

- **Cleaning:** Keep the tool's ventilation slots clean to prevent overheating. Use a soft, damp cloth to wipe down the tool. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. Do not store the battery in a discharged state for extended periods.
- **Lubrication:** Periodically apply a small amount of lubricant to the ratchet head mechanism to ensure smooth operation.
- **Inspection:** Before each use, inspect the tool for any signs of damage, loose parts, or wear. Do not use a damaged tool.

8. TROUBLESHOOTING

If you encounter issues with your Eastvolt Ratchet Wrench, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not turn on	Battery discharged; Safety lock engaged; Battery not properly inserted	Charge the battery; Disengage safety lock; Re-insert battery securely
Reduced power/torque	Low battery charge; Worn carbon brushes (if applicable); Overload	Recharge battery; Contact service for brush replacement; Reduce load on tool
Ratchet head not rotating smoothly	Lack of lubrication; Debris in mechanism	Apply lubricant; Clean ratchet head thoroughly

9. SPECIFICATIONS

Detailed technical specifications for the Eastvolt FF-01B 12V Cordless Electric Ratchet Wrench:

Feature	Specification
Model Number	FF-01B
Voltage	12 Volts
Max Torque	35 Ft-Lbs (45 Nm)
No-Load Speed	230 RPM
Chuck Capacity	3/8 inch
Battery Type	2.0Ah Li-Ion
LED Light	Yes
Item Weight	2.1 Pounds
Item Length	13.6 Inches
Material	Polycarbonate

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or contact Eastvolt directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase. For additional support or to explore other Eastvolt products, visit the [Eastvolt Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question