Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

DEWALT DCF510GE1

DEWALT 20V MAX XR Cordless Ratchet Set (DCF510GE1) User Manual

Model: DCF510GE1

1. Important Safety Instructions

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Always wear eye protection. Use safety glasses or goggles. Wear hearing protection when operating power tools for extended periods.
- **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.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

2. What's in the Box

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- (1) DCF510 20V MAX* XR 3/8" & 1/2" Sealed Head Ratchet
- (1) 3/8" Square Drive Anvil
- (1) 1/2" Square Drive Anvil
- (1) DCBP034G DEWALT POWERSTACK Oil-Resistant Compact Battery
- (1) DCB1104 Charger
- (1) Kit Bag



Image: The DEWALT 20V MAX XR Cordless Ratchet, including the main tool, battery, and a separate anvil.

3. Product Overview

The DEWALT 20V MAX XR Cordless Ratchet is engineered for professional use, offering power, versatility, and durability for various fastening applications.

- **Interchangeable Anvil Design:** Quickly swap between 3/8" and 1/2" square drives for diverse tasks.
- **Brushless Motor:** Delivers up to 75 ft-lbs of max torque and 0-300 No-Load RPM for efficient fastening and removal of stubborn nuts and bolts.
- **Sealed Head Design & Durable Housing:** Glass-filled nylon tool housing helps prevent damage from automotive oils and solvents.
- **Integrated LED Light:** Illuminates dark workspaces for improved visibility of fasteners.
- **Variable Speed Trigger:** Allows for optimized user speed and control based on the application.
- **Forward/Reverse Switch:** Enables quick direction changes for efficient work in tight spaces.
- **Trigger Lock:** Helps prevent accidental activation of the tool.

Your browser does not support the video tag.

Video: Official DEWALT product overview highlighting the features of the 20V MAX* XR 3/8" and 1/2" Sealed Head Ratchet Kit.

4. Setup and Assembly

4.1 Charging the Battery

1. Connect the DCB1104 charger to a standard power outlet.
2. Slide the DEWALT POWERSTACK battery (DCBP034G) onto the charger until it clicks into place.
3. The charger's indicator light will show the charging status. Refer to the charger manual for specific light patterns.
4. Once fully charged, remove the battery from the charger.

4.2 Attaching the Battery

1. Align the charged battery with the battery port on the base of the ratchet handle.
2. Slide the battery into the tool until it locks securely into place. Ensure it is fully seated to prevent it from falling out during operation.
3. To remove, press the battery release button and slide the battery off.

4.3 Changing the Square Drive Anvil

The ratchet comes with interchangeable 3/8" and 1/2" square drive anvils.

1. Ensure the tool is off and the battery is removed for safety.
2. Locate the anvil release mechanism on the head of the ratchet (refer to product diagrams if available).
3. Depress the release mechanism and pull the currently installed anvil straight off.
4. Select the desired 3/8" or 1/2" square drive anvil.
5. Align the new anvil with the drive shaft and push it firmly until it clicks into place. Tug gently to ensure it is secure.

5. Operating Instructions

5.1 Selecting Forward/Reverse Rotation

1. Locate the forward/reverse switch near the head of the tool.
2. Push the switch to the left for forward rotation (tightening).
3. Push the switch to the right for reverse rotation (loosening).
4. Position the switch in the center to lock the trigger and prevent accidental operation.

5.2 Using the Variable Speed Trigger

1. Attach the appropriate socket to the square drive anvil.
2. Place the socket onto the fastener.
3. Squeeze the trigger to start the tool. The speed is variable; apply more pressure for higher speed.
4. Release the trigger to stop the tool.

5.3 LED Work Light

The integrated LED light activates automatically when the trigger is pressed, illuminating the work area. It will turn off shortly after the trigger is released.

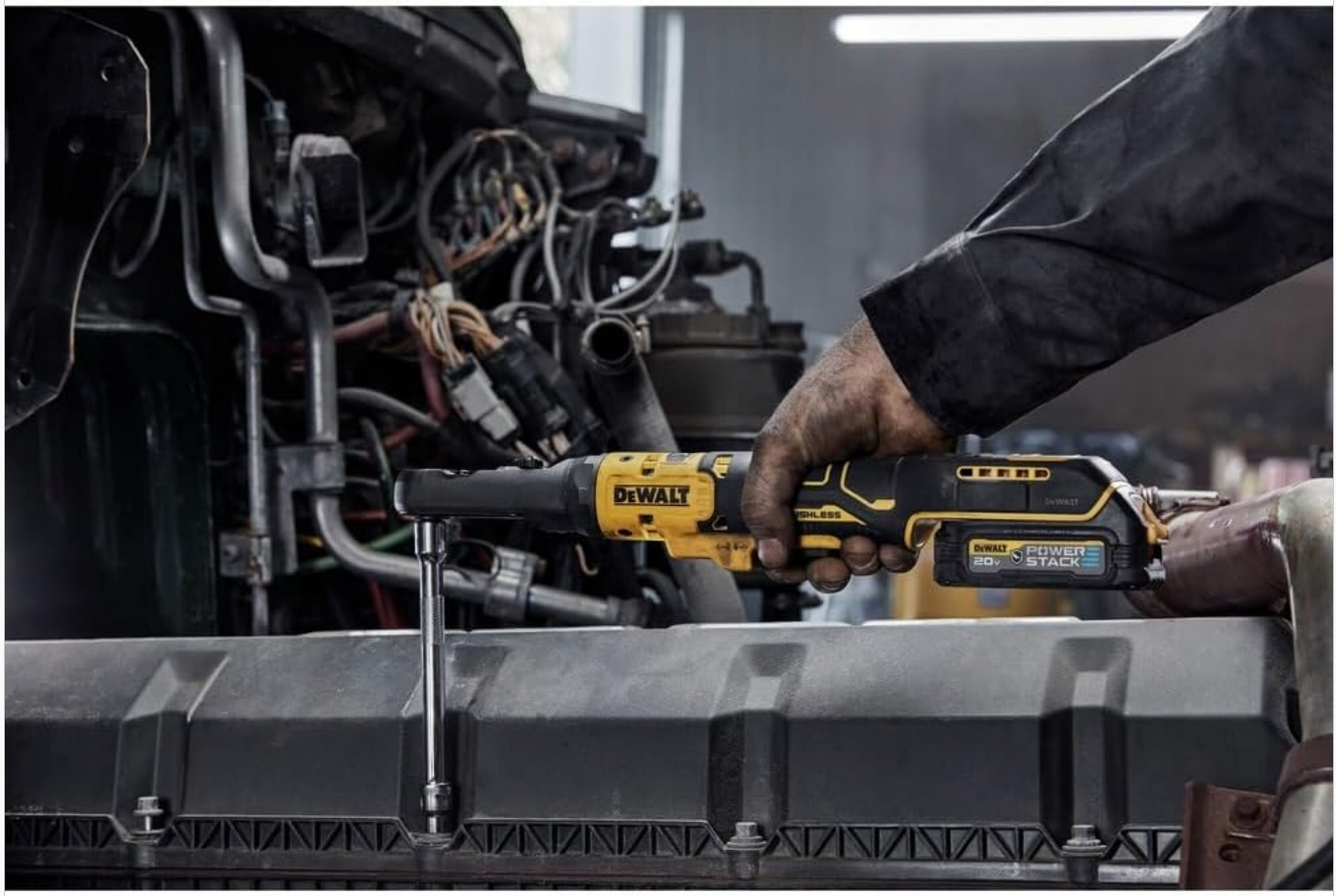


Image: A mechanic utilizing the DEWALT cordless ratchet to work on an engine, demonstrating its use in a practical setting.

6. Maintenance

6.1 Cleaning

- Keep the tool's ventilation slots clean to prevent overheating.
- Use a clean, damp cloth to wipe down the tool housing. Do not use solvents or harsh chemicals.
- Regularly inspect the drive anvil for wear or damage.

6.2 Battery Care

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store batteries in a discharged state for extended periods. Recharge them periodically.
- Avoid dropping or physically damaging the battery pack.

7. Troubleshooting

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly inserted; Trigger lock engaged	Charge battery and ensure it's fully seated; Disengage trigger lock
Reduced power/torque	Battery low; Tool overloaded	Recharge battery; Do not exceed tool's rated capacity
Anvil not holding socket	Anvil worn or damaged; Socket not fully engaged	Replace anvil; Ensure socket clicks onto anvil securely

8. Specifications

Feature	Specification
Model Number	DCF510GE1
Voltage	20V MAX*
Max Torque	75 ft-lb
No-Load Speed	0-300 RPM
Drive Size	3/8" and 1/2" Square Drive (Interchangeable)
Operation Mode	Battery
Item Weight	16 ounces (tool only)
Item Length	15 inches
Material	Blend (Glass-filled nylon housing)

*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18.

9. Warranty and Support

This DEWALT product is covered by a Manufacturer Warranty. Please refer to the warranty card included in your kit for specific terms and conditions, including the duration of the limited warranty, free service period, and money-back guarantee.

For technical support, service, or to locate an authorized service center, please visit the official DEWALT website or contact DEWALT customer service directly.

DEWALT Official Website: www.dewalt.com

© 2026 DEWALT. All rights reserved.

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

Open the live page

https://manuals.plus/asin/B0CF3Y4HVL

More documents and user manuals: **https://manuals.plus/**