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› [GEARWRENCH 2 Piece 1/4" and 3/8" Drive 120XP Flex Head Teardrop Ratchet Set Instruction Manual](#)

GEARWRENCH 81204P

GEARWRENCH 2 Piece 1/4" and 3/8" Drive 120XP Flex Head Teardrop Ratchet Set Instruction Manual

Model: 81204P

INTRODUCTION

This manual provides essential instructions for the safe and effective use, maintenance, and care of your GEARWRENCH 2 Piece 1/4" and 3/8" Drive 120XP Flex Head Teardrop Ratchet Set. These ratchets are designed for professional use, offering enhanced access and speed for various fastening tasks.



Image: The GEARWRENCH 2-piece ratchet set, featuring both 1/4-inch and 3/8-inch drive flex head ratchets with dual material handles.

PRODUCT FEATURES

- **120XP Ratcheting Mechanism:** Features two double-stacked 60-tooth pawls, providing 120 positions and a 3-degree swing arc for improved access in confined spaces.
- **Flex Head Design:** Allows the ratchet head to pivot, enabling access to fasteners at various angles.

- **Teardrop, Low-Profile Head:** Designed for better access in tight areas.
- **Flush-Mounted On/Off Switch:** For easy direction changes without obstruction.
- **Dual Material Handle:** Provides a comfortable and secure grip.
- **Durable Finish:** Bright, full polish chrome finish resists rust and corrosion.
- **Enclosed Head Design:** Offers extreme resistance to dirt infiltration, enhancing longevity.

SETUP

Your GEARWRENCH 120XP Flex Head Teardrop Ratchet Set comes ready for immediate use. No assembly is required. Before first use, inspect both ratchets for any signs of damage or manufacturing defects. Ensure the flex head mechanism moves smoothly and the direction switch operates correctly.

Understanding Drive Sizes

This set includes two ratchets with different drive sizes:

- **1/4-inch Drive:** Suitable for smaller fasteners and applications requiring less torque.
- **3/8-inch Drive:** Ideal for medium-sized fasteners and applications requiring moderate torque.

Always select the appropriate drive size and socket for the fastener you are working with to prevent damage to the fastener or the tool.

OPERATING INSTRUCTIONS

Attaching Sockets

1. Select the correct size socket for your fastener.
2. Align the square drive of the socket with the square drive on the ratchet head.
3. Push the socket firmly onto the ratchet drive until it clicks securely into place.

Changing Ratchet Direction

The ratchet direction is controlled by the flush-mounted on/off switch located on the head of the tool. Move the switch to the desired position for tightening (clockwise) or loosening (counter-clockwise) fasteners.



Image: A close-up view of the ratchet head, highlighting the "ON" and "OFF" markings for direction control and the 120XP branding.

Utilizing the Flex Head

The flex head allows the ratchet head to pivot, providing multiple angles for accessing fasteners in confined or awkward spaces. Simply adjust the head to the required angle before applying torque. The detent mechanism will hold the head in position during use.

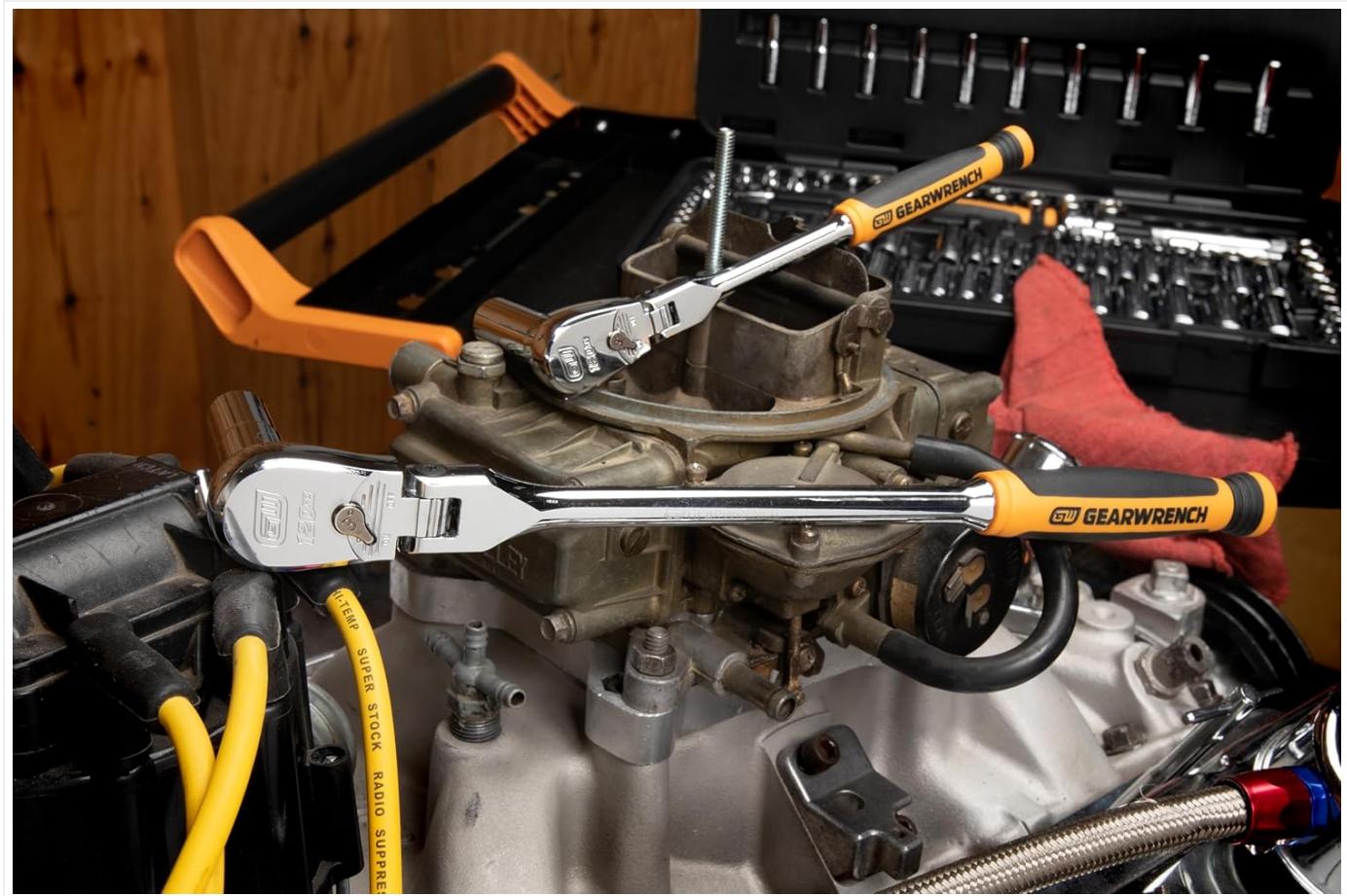


Image: Both ratchets are shown with their flex heads angled, demonstrating their ability to reach fasteners from different positions.

Applying Torque

Position the ratchet and socket onto the fastener. Apply steady, controlled force to the handle. The 120XP mechanism's 3-degree swing arc allows for minimal movement to engage the next tooth, making it efficient in tight spaces.

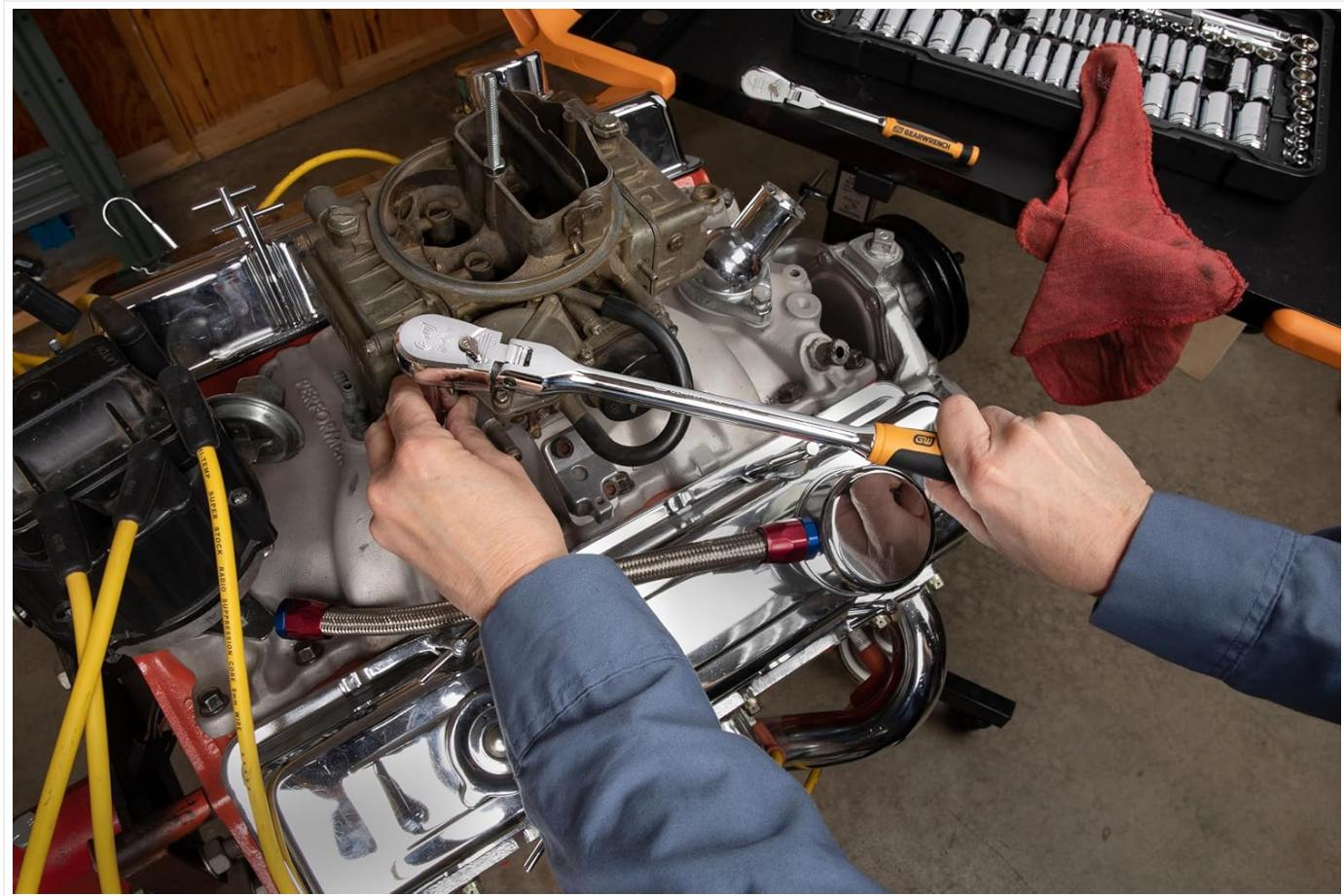


Image: A person's hands are shown using the larger 3/8-inch drive ratchet to work on a component within an engine bay, illustrating its practical application.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your GEARWRENCH ratchets.

- **Cleaning:** After each use, wipe down the ratchets with a clean cloth to remove dirt, grease, and debris. The full polish chrome finish is designed to resist rust and corrosion, but regular cleaning helps maintain its appearance and protective qualities.
- **Lubrication:** Periodically apply a small amount of light machine oil to the ratcheting mechanism and the flex head pivot points. This helps maintain smooth operation and prevents wear. Avoid over-lubricating, as this can attract dirt.
- **Storage:** Store the ratchets in a clean, dry environment, away from excessive moisture or corrosive chemicals. Using a tool chest or drawer organizer can protect them from impacts and scratches.
- **Inspection:** Regularly inspect the ratchets for any signs of wear, damage, or loose components. Pay close attention to the drive square, the ratcheting mechanism, and the flex head pivot. Discontinue use if any significant damage is found.

TROUBLESHOOTING

If you encounter issues with your GEARWRENCH ratchets, consider the following:

- **Ratcheting Mechanism Sticking or Rough:**
 - Clean the head thoroughly to remove any accumulated dirt or debris.
 - Apply a small amount of light machine oil to the internal mechanism.
 - Ensure the direction switch is fully engaged in either the "ON" or "OFF" position.
- **Flex Head Not Holding Position:**

- Inspect the pivot points for excessive wear or damage.
- Clean and lubricate the flex head mechanism.
- If the issue persists, the internal detent mechanism may be worn and require professional service or replacement.

- **Socket Not Attaching Securely:**

- Ensure the socket is clean and free of debris.
- Check the ratchet's drive square for wear or damage.
- Verify that the ball detent on the drive square is functioning correctly (it should retract when the socket is pushed on and spring back to hold it).

For issues not resolved by these steps, please refer to the Warranty and Support section.

SPECIFICATIONS

Feature	Detail
Brand	GEARWRENCH
Model Number (Set)	81204P
Item Model Number (Individual)	81230P
Drive Sizes	1/4" and 3/8"
Ratcheting Mechanism	120XP (120 positions)
Swing Arc	3 degrees
Head Style	Flex Head Teardrop
Handle Material	Dual Material (Cushion Grip)
Tool Material	Alloy Steel
Finish	Polished Chrome
Item Weight	1.54 Pounds (for the set)
Item Length	45.8 Centimeters (approx. 18 inches for the larger ratchet)
UPC	099575012044

WARRANTY

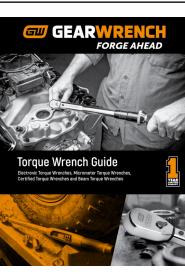
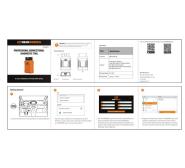
GEARWRENCH products are covered by a Standard Limited Lifetime Warranty. For specific details regarding warranty coverage, claims, and service, please refer to the official GEARWRENCH website or contact their customer support.

SUPPORT

For additional product information, frequently asked questions, or to contact customer service, please visit the official GEARWRENCH store or website.

Official GEARWRENCH Store: [GEARWRENCH Store on Amazon](#)

Related Documents - 81204P

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