

Performance Tool W435

Performance Tool W435 Crowfoot Wrench Instruction Manual

Model: W435

INTRODUCTION

This manual provides essential information for the safe and effective use of your Performance Tool W435 Crowfoot Wrench. Please read these instructions thoroughly before operation and retain for future reference. The W435 is designed for accessing fasteners in confined spaces where a standard wrench or socket cannot reach, typically used with a torque wrench or ratchet.

SAFETY INFORMATION

Always prioritize safety when using hand tools. Failure to follow these safety guidelines may result in injury or damage to the tool or workpiece.

- **Eye Protection:** Always wear ANSI-approved safety glasses or goggles when using hand tools.
- **Proper Tool Selection:** Ensure the wrench size matches the fastener exactly to prevent rounding the fastener or slipping.
- **Inspect Tool:** Before each use, inspect the wrench for any signs of damage, cracks, or wear. Do not use damaged tools.
- **Secure Workpiece:** Ensure the workpiece is stable and secured to prevent movement during operation.
- **Avoid Over-Torquing:** When used with a torque wrench, adhere strictly to specified torque values. Over-torquing can damage fasteners or the wrench.
- **Keep Hands Clear:** Position hands and fingers away from pinch points and potential slip areas.
- **Cleanliness:** Keep the tool clean and free of grease or oil to maintain a secure grip.

SETUP

The Performance Tool W435 Crowfoot Wrench is designed to be used with a 3/8-inch drive ratchet or torque wrench.

1. **Select Correct Size:** Verify that the W435 wrench size (e.g., 19mm) matches the fastener you intend to work on.
2. **Attach to Drive Tool:** Insert the square drive end of the crowfoot wrench onto the 3/8-inch drive anvil

of your ratchet or torque wrench. Ensure it is fully seated and secure.

3. **Inspect Connection:** Confirm that the crowfoot wrench is firmly attached to the drive tool and there is no excessive play.



Image: Performance Tool W435 Crowfoot Wrench. This image displays the chrome-finished crowfoot wrench, clearly showing its open-end design and the 19mm size marking, still in its retail packaging.

OPERATING INSTRUCTIONS

Using the W435 Crowfoot Wrench effectively requires careful positioning and controlled force.

1. **Positioning:** Carefully position the open end of the crowfoot wrench onto the fastener. Ensure the wrench jaws fully engage the fastener flats.
2. **Access Confined Areas:** The crowfoot design allows access to fasteners that are difficult to reach with standard sockets or wrenches, such as those on brake lines, fuel lines, or sensors.
3. **Applying Force:** Apply steady, controlled force to the ratchet or torque wrench handle. Avoid sudden jerking motions.
4. **Torque Wrench Use:** If using with a torque wrench, ensure the crowfoot wrench is positioned at a 90-degree angle to the torque wrench handle to maintain accurate torque readings. If used at other angles, a torque calculation adjustment may be necessary.
5. **Tightening/Loosening:** Turn the drive tool in the appropriate direction to tighten or loosen the fastener.

MAINTENANCE

Proper maintenance extends the life of your tool and ensures continued performance.

- **Cleaning:** After each use, wipe the wrench clean with a dry cloth to remove dirt, grease, and debris.

For stubborn grime, use a mild solvent and then dry thoroughly.

- **Storage:** Store the wrench in a dry environment to prevent rust. Keep it organized in a toolbox or on a tool rack to protect it from damage.
- **Inspection:** Periodically inspect the wrench for any signs of wear, such as rounded jaws, cracks, or bending. Replace the tool if any damage is observed.

TROUBLESHOOTING

Addressing common issues can help ensure efficient operation.

- **Wrench Slipping:** Ensure the wrench size precisely matches the fastener. The wrench must be fully seated on the fastener flats. Avoid using worn or damaged fasteners.
- **Rounding Fastener:** This often occurs due to using the wrong size wrench, a worn wrench, or improper engagement. Always ensure a snug fit and apply steady force.
- **Difficulty Accessing Fastener:** If the crowfoot wrench still cannot access the fastener, re-evaluate the angle of approach or consider if a different tool type is required for that specific application.

SPECIFICATIONS

Feature	Detail
Model	W435
Brand	Performance Tool
Type	Crowfoot Wrench, Open-End
Drive Size	3/8 inch
Color	Chrome
Operation Mode	Mechanical
Item Weight	3.57 pounds
UPC	039564104459




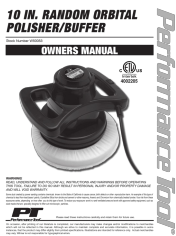
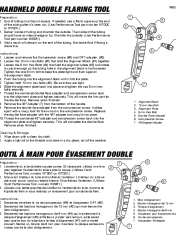

WARRANTY INFORMATION

Performance Tool products are typically backed by a manufacturer's warranty against defects in materials and workmanship. For specific details regarding the warranty period and claims process for your W435 Crowfoot Wrench, please refer to the documentation included with your purchase or visit the official Performance Tool website. Keep your proof of purchase for warranty validation.

SUPPORT

If you encounter any issues or have questions regarding the Performance Tool W435 Crowfoot Wrench that are not covered in this manual, please contact Performance Tool customer support. Contact information can usually be found on the product packaging or the official Performance Tool website.

Related Documents - W435

 <p>The cover of the Performance Tool W1714 Digital Multimeter Owner's Manual. It features a black digital multimeter with a coiled cable and a pair of pliers. The text 'DIGITAL MULTIMETER' and 'OWNER'S MANUAL' is at the top. The Performance Tool logo is at the bottom.</p>	<p>Performance Tool W1714 Digital Multimeter Owner's Manual and Specifications</p> <p>Detailed owner's manual and technical specifications for the Performance Tool W1714 Digital Multimeter, including operating instructions, safety warnings, and warranty information.</p>
 <p>The cover of the Performance Tool W1677 Jump Starter Power Bank Owner's Manual. It shows a black jump starter device with red and blue cables. The text 'JUMP STARTER POWER BANK' and 'OWNER'S MANUAL' is at the top. The Performance Tool logo is at the bottom.</p>	<p>Performance Tool W1677 Jump Starter Power Bank Owner's Manual</p> <p>Comprehensive owner's manual for the Performance Tool W1677 Jump Starter Power Bank. Learn about product features, operation, charging procedures, safety guidelines, and troubleshooting.</p>
 <p>The cover of the Performance Tool W2976 Multilingual Diagnostic Scanner Owner's Manual. It features a black diagnostic scanner with a coiled cable. The text 'MULTILINGUAL DIAGNOSTIC SCANNER' and 'OWNER'S MANUAL' is at the top. The Performance Tool logo is at the bottom.</p>	<p>Performance Tool W2976 Multilingual Diagnostic Scanner Owner's Manual</p> <p>This owner's manual for the Performance Tool W2976 Multilingual Diagnostic Scanner provides essential information on its features, operation, safety precautions, and diagnostic trouble code definitions for OBD II compliant vehicles.</p>
 <p>The cover of the Performance Tool 10-Inch Random Orbital Polisher/Buffer Owner's Manual (W50053). It shows a black and white orbital polisher. The text '10 IN. RANDOM ORBITAL POLISHER/BUFFER' and 'OWNER'S MANUAL' is at the top. The Performance Tool logo is at the bottom.</p>	<p>Performance Tool 10-Inch Random Orbital Polisher/Buffer Owner's Manual (W50053)</p> <p>Owner's manual for the Performance Tool 10-Inch Random Orbital Polisher/Buffer (Model W50053). Provides detailed safety warnings, operating instructions, care and maintenance guidelines, troubleshooting tips, and warranty information for automotive detailing and surface polishing.</p>
 <p>The cover of the Performance Tool Handheld Double Flaring Tool Instructions and Guide. It features a diagram of the tool and a list of parts. The text 'HANDHELD DOUBLE FLARING TOOL' and 'INSTRUCTIONS AND GUIDE' is at the top. The Performance Tool logo is at the bottom.</p>	<p>Handheld Double Flaring Tool Instructions and Guide</p> <p>Detailed instructions for using the Performance Tool handheld double flaring tool, including preparation, operation, and maintenance. Covers part identification and usage in English, French, and Spanish.</p>
 <p>The cover of the Performance Tool W2976 Multilingual Diagnostic Scanner Owner's Manual. It features a black diagnostic scanner with a coiled cable. The text 'MULTILINGUAL DIAGNOSTIC SCANNER' and 'OWNER'S MANUAL' is at the top. The Performance Tool logo is at the bottom.</p>	<p>Performance Tool W2976 Multilingual Diagnostic Scanner Owner's Manual</p> <p>This owner's manual provides essential guidance for the Performance Tool W2976 Multilingual Diagnostic Scanner. Learn how to safely operate the device, understand OBD II systems, read and clear diagnostic trouble codes (DTCs), check vehicle compatibility, and interpret readiness monitor status.</p>