

Performance Tool W1091

Performance Tool W1091 SAE Ratcheting Wrench Set, 7-Piece

Model: W1091 | Brand: Performance Tool

INTRODUCTION

The Performance Tool W1091 7-Piece SAE Ratcheting Wrench Set is designed for efficient and reliable fastening tasks. This set includes common SAE sizes and features a durable construction with a precise ratcheting mechanism, making it suitable for various automotive and general repair applications. This manual provides essential information for the safe and effective use and maintenance of your wrench set.

PRODUCT FEATURES

- Sizes: 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4-Inch
- Reusable storage rack for organization and portability.
- 72 Gear teeth for a 5-degree sweep, allowing for work in confined spaces.
- Mirror polish finish for enhanced durability and corrosion resistance.
- Drop forged chrome vanadium alloy construction for strength and longevity.

PACKAGE CONTENTS

- 7 x SAE Ratcheting Wrenches (5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4 Inch)
- 1 x Reusable Storage Rack



Image: The Performance Tool W1091 7-Piece SAE Ratcheting Wrench Set displayed in its original packaging, highlighting the included sizes and features.

Safety Information

Always prioritize safety when using hand tools. Adhere to the following guidelines:

- **Wear Eye Protection:** Always wear safety glasses or goggles to protect your eyes from flying debris.
- **Select Correct Size:** Ensure the wrench size matches the fastener precisely to prevent slippage and damage to both the tool and the fastener.
- **Inspect Tools:** Before each use, inspect wrenches for any signs of damage, cracks, or excessive wear. Do not use

damaged tools.

- **Avoid Over-Leverage:** Do not use 'cheater bars' or extend the handle of the wrench with pipes or other devices, as this can overload the wrench and cause breakage or injury.
- **Pull, Don't Push:** Whenever possible, pull on the wrench rather than pushing. If the wrench slips while pushing, you could lose balance or strike your hand.
- **Keep Clean:** Keep wrenches clean and free of grease or oil to ensure a secure grip.

SETUP

Your Performance Tool W1091 Ratcheting Wrench Set requires minimal setup before use.

1. **Unpack:** Carefully remove all wrenches from their packaging and the reusable storage rack.
2. **Initial Inspection:** Visually inspect each wrench for any signs of shipping damage or manufacturing defects. Ensure the ratcheting mechanism operates smoothly.
3. **Familiarization:** Familiarize yourself with the different SAE sizes included in the set and their corresponding markings on each wrench.



Image: The complete 7-piece SAE ratcheting wrench set, showcasing the various sizes and polished finish.

OPERATING INSTRUCTIONS

Follow these steps for effective use of your ratcheting wrench set:

1. **Identify Fastener Size:** Determine the correct size of the bolt or nut you need to work with. Refer to the size markings on each wrench.

- 2. **Select Wrench:** Choose the corresponding wrench from your set. The set includes sizes 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, and 3/4 Inch.
- 3. **Engage Fastener:** Place the open end or the ratcheting box end of the wrench firmly onto the fastener. Ensure it is fully seated to prevent rounding the corners of the fastener.
- 4. **Apply Pressure:** For loosening, turn the wrench counter-clockwise. For tightening, turn clockwise. Apply steady, firm pressure.
- 5. **Utilize Ratcheting Action:** The 72-gear teeth ratcheting mechanism allows you to turn the fastener with a small 5-degree sweep. This means you do not need to remove the wrench from the fastener to reset your grip, which is particularly useful in tight or confined spaces.
- 6. **Complete Task:** Continue turning until the fastener is adequately tightened or loosened.

MAINTENANCE

Proper maintenance will extend the life and performance of your wrench set.

- **Cleaning:** After each use, wipe down the wrenches with a clean, dry cloth to remove dirt, grease, and debris. For stubborn grime, a mild degreaser can be used, followed by drying.
- **Lubrication:** Periodically apply a light coat of rust-preventative oil to the metal surfaces, especially if the tools are stored in a humid environment or used in wet conditions. Pay particular attention to the ratcheting mechanism.
- **Inspection:** Regularly inspect each wrench for signs of wear, such as rounded edges on the open end, cracks in the chrome, or issues with the ratcheting mechanism. Replace any damaged tools immediately.
- **Storage:** Always store the wrenches in their provided reusable storage rack in a clean, dry place. This prevents corrosion and keeps the set organized and readily accessible.

TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Wrench slips on fastener	Incorrect wrench size; Worn fastener; Wrench not fully engaged.	Ensure correct wrench size is used. Fully seat the wrench on the fastener. Replace worn fasteners.
Ratcheting mechanism sticks or is stiff	Dirt, debris, or old lubricant in the mechanism.	Clean the ratcheting head thoroughly. Apply a small amount of penetrating oil, then lubricate with light machine oil.
Rust or corrosion on wrenches	Exposure to moisture; Improper storage.	Clean off rust with a wire brush or fine abrasive. Apply rust-preventative oil. Store in a dry environment.

SPECIFICATIONS

Attribute	Detail
Model Number	W1091
Set Type	7-Piece SAE Ratcheting Wrench Set
Sizes Included	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4 Inch

Attribute	Detail
Material	Drop Forged Chrome Vanadium Steel
Finish Type	Mirror Polish
Gear Teeth	72
Sweep Angle	5 degrees
Item Weight	2.25 Pounds
Product Dimensions	9.75 x 1 x 11.5 inches
Manufacturer	Wilmar Corporation

WARRANTY INFORMATION

Performance Tool products are manufactured by Wilmar Corporation. While this manual does not detail specific warranty terms, general warranty typically covers defects in material and workmanship for a specified period. For precise warranty details, terms, and conditions, please refer to the official warranty policy provided by Wilmar Corporation or visit their official website. Keep your proof of purchase for any warranty claims.

CUSTOMER SUPPORT

For further assistance, technical support, or any inquiries regarding your Performance Tool W1091 SAE Ratcheting Wrench Set, please contact the manufacturer, Wilmar Corporation. Contact information, including phone numbers and email addresses, can typically be found on the product packaging or on the official Wilmar Corporation website. When contacting support, please have your product model number (W1091) and purchase details ready.