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› SUNEX TOOLS 9708 3/8-Inch Drive Fractional Crowfoot Flare Nut Wrench Set Instruction Manual

## Sunex Tools 9708

# Instruction Manual

## SUNEX TOOLS 9708 3/8-INCH DRIVE FRACTIONAL CROWFOOT FLARE NUT WRENCH SET

Model: 9708

### Introduction

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The Sunex Tools 9708 3/8-Inch Drive Fractional Crowfoot Flare Nut Wrench Set is designed for automotive repair and other applications requiring access to fasteners in confined spaces. This 8-piece set includes common SAE sizes and is constructed from fully polished drop forged alloy steel for durability and strength. The wrenches are conveniently organized on a storage rail for easy access and transport.



Image: The complete 8-piece Sunex Tools 9708 crowfoot flare nut wrench set, showcasing each wrench's polished finish and size markings.

## Product Features

- **Material:** Fully polished drop forged alloy steel for enhanced durability and corrosion resistance.
- **Drive Size:** 3/8-inch drive, compatible with standard 3/8" drive ratchets, extensions, and torque wrenches.
- **Storage:** Mounted on a convenient metal storage rail for organization and portability.
- **Set Contents:** Includes 8 SAE fractional sizes: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", and 7/8".
- **Design:** Flare nut design provides increased contact with fasteners, reducing the risk of rounding, especially on soft materials or corroded nuts.

## FLARE NUT DESIGN

3/8" Dr. SAE flare nut crowfoot wrench set



## DROPPED FORGED ALLOY STEEL

Constructed of fully polished drop forged alloy steel

## METAL RAIL

Mounted on metal rail for convenient transport and storage



Image: Detailed view of the crowfoot wrenches highlighting the flare nut design, the robust drop forged alloy steel construction, and the practical metal storage rail.

## Setup

1. **Unpacking:** Carefully remove the wrench set from its packaging. Inspect all 8 crowfoot wrenches and the storage rail for any signs of damage during transit.
2. **Familiarization:** Identify each wrench by its size marking (e.g., 3/8", 7/16", etc.). Note the 3/8-inch square drive opening on each wrench, designed to connect to a 3/8" drive ratchet, extension, or torque wrench.
3. **Storage Rail:** The wrenches come pre-mounted on a metal storage rail. This rail can be hung on a pegboard or stored in a toolbox drawer for easy access and organization.



Image: The Sunex Tools 9708 crowfoot wrench set displayed on its metal storage rail, demonstrating its compact and organized storage solution.

## Operating Instructions

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Crowfoot wrenches are ideal for reaching fasteners in tight or obstructed areas where a standard wrench or socket cannot be used. They are particularly useful for flare nuts on brake lines, fuel lines, and hydraulic systems.

1. **Select Correct Size:** Choose the crowfoot wrench that precisely matches the size of the fastener. Using an incorrect size can damage the fastener or the wrench.
2. **Attach Drive Tool:** Insert a 3/8-inch drive ratchet, extension, or torque wrench into the square drive opening of the crowfoot wrench. Ensure a secure connection.
3. **Position Wrench:** Carefully slide the open end of the crowfoot wrench over the fastener. Due to its open design, it can be placed over lines or pipes.
4. **Apply Force:** Apply steady and controlled force to the drive tool to loosen or tighten the fastener. For tightening, especially on critical components like brake lines, use a torque wrench to ensure proper torque specifications are met.
5. **Safety Precautions:**
  - Always wear appropriate personal protective equipment, such as safety glasses.
  - Ensure the wrench is fully seated on the fastener before applying force to prevent slippage and injury.
  - Avoid using extensions that are excessively long, as this can lead to over-torquing or loss of control.
  - Do not use a hammer or impact tools with these wrenches, as they are designed for manual use and can be damaged.

## Maintenance

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

- **Cleaning:** After each use, wipe down the wrenches with a clean cloth to remove dirt, grease, and grime. For stubborn residue, a mild degreaser can be used, followed by thorough drying.
- **Rust Prevention:** Although made of polished alloy steel, prolonged exposure to moisture can lead to rust. Store the wrenches in a dry environment. Applying a light coat of rust-preventative oil periodically, especially in humid conditions, is recommended.
- **Storage:** Always return the wrenches to their designated slots on the storage rail. This keeps them organized, prevents loss, and protects them from damage.

- **Inspection:** Periodically inspect each wrench for signs of wear, cracks, or deformation. Discontinue use of any damaged wrench to prevent injury or further damage to fasteners.

## Troubleshooting

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If you encounter issues while using your crowfoot wrench set, consider the following:

- **Wrench Slipping:**
  - Ensure the correct size wrench is being used. A slightly oversized wrench will slip.
  - Verify the wrench is fully seated on the fastener.
  - Check if the fastener is severely rounded or corroded. In such cases, specialized tools for damaged fasteners may be required.
- **Difficulty Accessing Fastener:**
  - Utilize appropriate extensions or universal joints with your 3/8-inch drive ratchet to reach difficult angles.
  - Ensure surrounding components are not obstructing the wrench's path.
- **Wrench Damage:**
  - Avoid excessive force or using the wrench as a pry bar.
  - Do not use impact tools with crowfoot wrenches.
  - If a wrench is damaged, replace it immediately.

## Specifications

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<b>Model Number</b>	9708
<b>Drive Size</b>	3/8-inch
<b>Set Type</b>	Fractional Crowfoot Flare Nut Wrench Set
<b>Number of Pieces</b>	8
<b>Sizes Included (SAE)</b>	3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8"
<b>Material</b>	Fully Polished Drop Forged Alloy Steel
<b>Color</b>	Silver
<b>Item Length</b>	14.63 Inches
<b>Item Weight</b>	1.1 pounds (0.5 Kilograms)
<b>Head Style</b>	Flare Nut
<b>UPC</b>	785533875942, 756655985550, 613364397084, 613364397060, 031111199741

## Warranty and Support

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Sunex Tools provides a **Lifetime Warranty** on this 9708 3/8-Inch Drive Fractional Crowfoot Flare Nut Wrench Set. This warranty covers defects in material and workmanship under normal use.

For warranty claims, technical support, or any product-related inquiries, please contact Sunex Tools customer service directly. Refer to the official Sunex Tools website or product packaging for the most current contact information.

It is recommended to retain your proof of purchase for warranty purposes.

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