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› [Hazel](#) /

› [Hazel 2872FS-24 Impact Wrench Instruction Manual](#)

Hazel 2872FS-24

Hazel 2872FS-24 Impact Wrench Instruction Manual

Model: 2872FS-24 | Brand: Hazel

1. INTRODUCTION

The Hazel 2872FS-24 Impact Wrench is a specialized tool designed for efficient work on brake cylinder screw fittings. This tool is particularly useful for heavy-duty vehicles such as trucks, buses, trailers, and high-axle trailers, allowing for maintenance without the need to dismantle the wheel. Its design also accommodates brake cylinder screw fittings that are recessed deep within the rim.

Key features include a laser-etched formula for quick conversion of manufacturer-specified torque values and two striking surfaces for controlled power application with a hammer. Manufactured in Germany, this tool is built for durability and precision.



Figure 1: The Hazel 2872FS-24 Impact Wrench, a specialized tool for brake cylinder fittings.

2. SAFETY INFORMATION

Always observe general safety precautions when using hand tools. Failure to do so may result in injury or damage to the tool or vehicle.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the tool is clean and in good working condition before each use.

- Do not modify the tool. Use it only for its intended purpose.
- Keep hands and fingers clear of moving parts or striking surfaces during operation.
- Store the tool in a dry, secure place away from children.

3. COMPONENTS OF THE 2872FS-24 IMPACT WRENCH

The Hazet 2872FS-24 Impact Wrench features a robust design optimized for its specific application.

- **Spanner Opening (24mm):** Designed to fit specific brake cylinder screw fittings.
- **Square Hollow Drive (1/2 inch):** For attachment to a suitable drive tool, such as a torque wrench or ratchet.
- **Double Hexagon Bar Steel Profile:** Ensures a secure grip and efficient power transfer.
- **Striking Surfaces (2):** Located on the tool body, these allow for controlled application of force using a hammer when additional leverage or impact is required.
- **Laser-Etched Torque Formula:** A formula is etched onto the tool for quick conversion of torque values, aiding in precise application.



Figure 2: Angled view of the Hazet 2872FS-24, highlighting its robust construction and square drive.

4. SETUP

Before using the Hazet 2872FS-24 Impact Wrench, ensure the following:

1. **Inspect the Tool:** Check the wrench for any signs of damage, wear, or deformation. Do not use a damaged

tool.

2. **Identify the Fitting:** Confirm that the brake cylinder screw fitting matches the 24mm spanner opening of the tool.
3. **Select Drive Tool:** Attach a suitable 1/2 inch square drive tool (e.g., a torque wrench or ratchet) to the wrench's square hollow drive.
4. **Vehicle Stability:** Ensure the vehicle is safely supported and stable before commencing work.

5. OPERATING INSTRUCTIONS

The Hazet 2872FS-24 is designed for efficient and precise work on brake cylinder screw fittings, often without the need for wheel removal.

1. **Positioning the Wrench:** Carefully position the 24mm spanner opening of the Hazet 2872FS-24 onto the brake cylinder screw fitting. The tool's design allows access to fittings that are recessed deep within the rim, common on trucks, buses, and trailers.
2. **Attaching the Drive Tool:** Connect your 1/2 inch square drive torque wrench or ratchet to the square hollow drive of the Hazet tool.
3. **Applying Torque:**
 - If a specific torque value is required, use the laser-etched formula on the tool to convert the manufacturer's specified torque for direct application with your torque wrench. This ensures accurate tightening or loosening.
 - For loosening stubborn fittings or when additional force is needed, utilize the two striking surfaces on the tool. Apply controlled impacts with a hammer to these surfaces. This method helps to break free seized fittings without damaging the tool or the fitting.
4. **Operation:** Apply force smoothly and steadily. For tightening, ensure the correct torque is achieved. For loosening, apply sufficient force to break the fitting free.
5. **Removal:** Once the task is complete, carefully remove the drive tool and then the Hazet 2872FS-24 from the fitting.

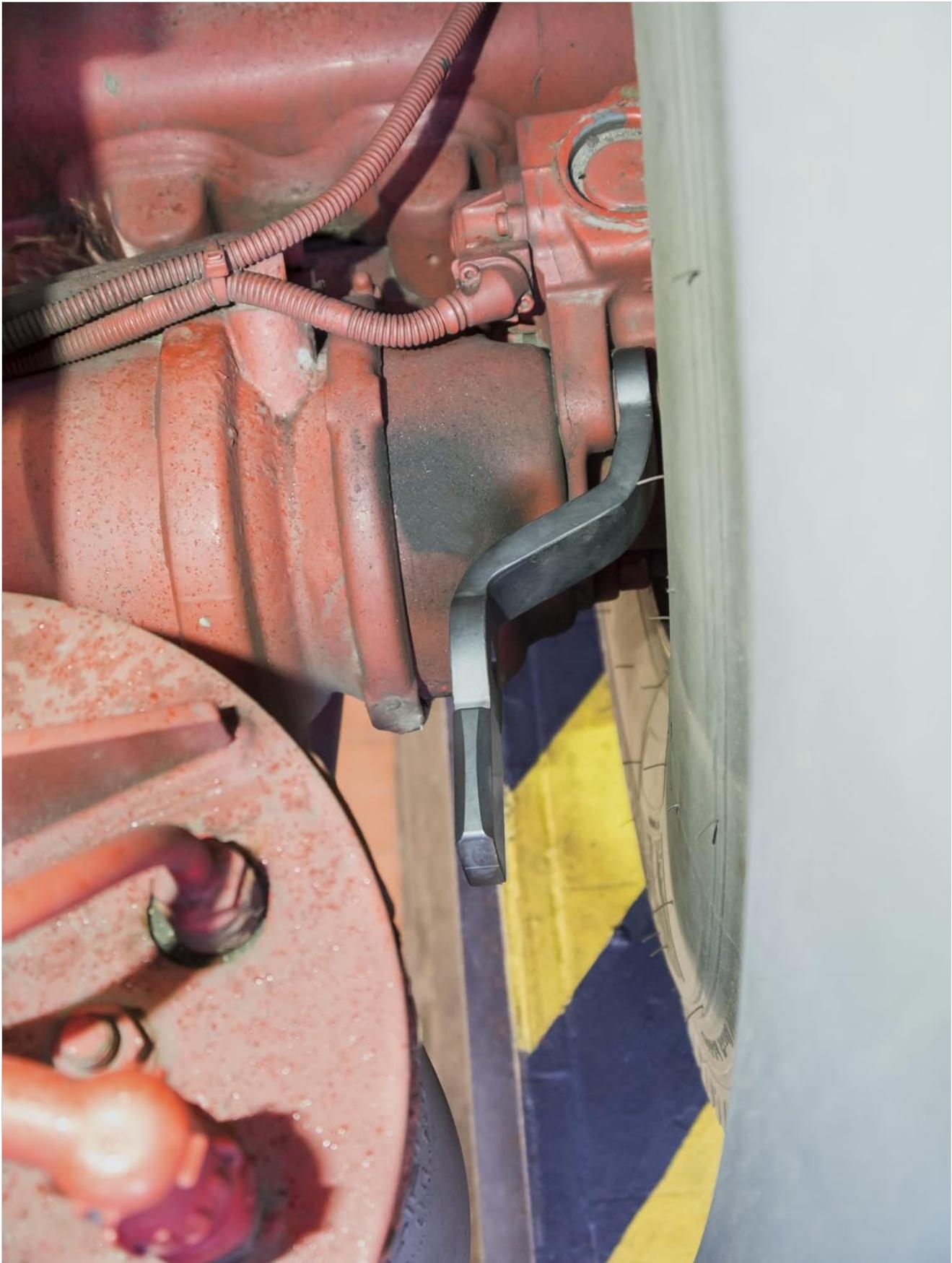


Figure 3: The Hazet 2872FS-24 positioned on a brake cylinder fitting, demonstrating its access capabilities.



Figure 4: Demonstrating the use of a hammer on the striking surface of the Hazet 2872FS-24 for controlled impact.

6. MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your Hazet 2872FS-24 Impact Wrench.

- **Cleaning:** After each use, wipe the tool clean with a dry cloth to remove any dirt, grease, or brake fluid

residue.

- **Lubrication:** Periodically apply a light coat of rust-preventative oil to the tool, especially if it will be stored for an extended period or used in humid conditions.
- **Inspection:** Regularly inspect the tool for any signs of wear, cracks, or deformation. Pay close attention to the spanner opening and the square drive.
- **Storage:** Store the wrench in a clean, dry environment, preferably in a tool chest or on a tool board, to protect it from damage and corrosion.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with the Hazet 2872FS-24 Impact Wrench.

Problem	Possible Cause	Solution
Tool slips on fitting.	Incorrect size fitting, worn tool, or fitting is rounded.	Ensure correct 24mm fitting. Inspect tool for wear. If fitting is rounded, specialized extraction tools may be required.
Difficulty loosening seized fitting.	Excessive corrosion or overtightening.	Apply penetrating oil. Utilize the striking surfaces with controlled hammer impacts. Ensure proper leverage with the drive tool.
Tool feels loose on drive.	Worn square drive on tool or drive tool.	Inspect both the Hazet wrench's square drive and your 1/2 inch drive tool for wear. Replace worn components.

8. SPECIFICATIONS

Technical details for the Hazet 2872FS-24 Impact Wrench:

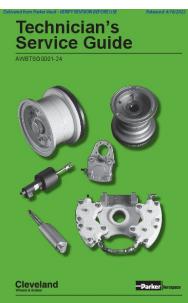
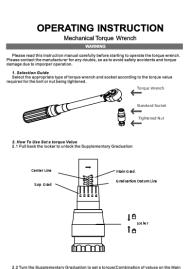
- **Model Number:** 2872FS-24
- **Brand:** Hazet
- **Material:** Alloy Steel
- **Spanner Opening:** 24 mm
- **Drive Size:** 1/2 inch (Square Hollow 12.5 mm)
- **Head Style:** Fixed Square
- **Finish Type:** Powder Coated
- **Item Weight:** Approximately 0.63 kg (1.39 pounds)
- **Product Dimensions:** 8.66 x 2.76 x 1.57 inches (220 x 70 x 40 mm)
- **Power Source:** Hand-powered
- **Country of Origin:** Germany

9. WARRANTY & SUPPORT

For specific warranty information regarding your Hazet 2872FS-24 Impact Wrench, please refer to the documentation provided at the time of purchase or visit the official Hazet website. Hazet tools are known for their quality and durability, and they typically come with a manufacturer's warranty against defects in materials and workmanship.

For technical support, spare parts, or service inquiries, please contact your authorized Hazet dealer or the Hazet customer service department. Contact information can usually be found on the Hazet official website or in the packaging materials.

Related Documents - 2872FS-24

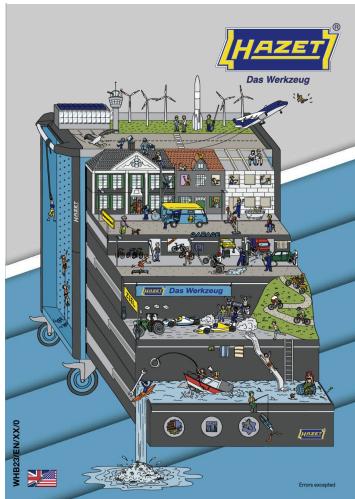
	<p>Cleveland Wheels & Brakes Technician's Service Guide</p> <p>Comprehensive service guide for Cleveland Wheels & Brakes aircraft wheels and brake systems, detailing maintenance procedures, specifications, torque values, and repair materials. Essential for technicians.</p>
	<p>Nissan Frontier Brake System Service Manual</p> <p>Comprehensive service and repair manual for the 2005 Nissan Frontier brake system, detailing inspection, maintenance, removal, installation, and troubleshooting procedures for all brake components including pads, rotors, calipers, master cylinder, and brake booster. Includes technical specifications and diagrams.</p>
	<p>Operating Instructions for Mechanical Torque Wrench</p> <p>A guide on how to use and maintain a mechanical torque wrench, including selection, setting torque values, and precautions.</p>
	<p>2005 Nissan Maxima Brake System Service Manual</p> <p>Comprehensive service manual detailing the inspection, removal, installation, disassembly, and assembly procedures for the 2005 Nissan Maxima brake system, including front and rear disc brakes, master cylinder, brake booster, vacuum lines, dual proportioning valve, and related components.</p>
	<p>M-WAVE TW-4/24 Torque Wrench Manual</p> <p>Instructions and specifications for the M-WAVE TW-4/24 torque wrench, including parts description, operating instructions, and important notices for accurate and safe use.</p>



[Toyota Yaris Brake System Service Manual](#)

A comprehensive guide to the Toyota Yaris brake system, detailing maintenance, troubleshooting, and repair procedures for optimal performance and safety.

Documents - Hazet – 2872FS-24



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