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Stanley 97-558LA

STANLEY 97-558LA 1-1/4 Inch (32mm) Long Impact Wrench with 6 Inch (153mm) Extension User Manual

INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your STANLEY 97-558LA 1-1/4 Inch (32mm) Long Impact Wrench with 6 Inch (153mm) Extension. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.



Image 1: The STANLEY 97-558LA 1-1/4 Inch Long Impact Wrench. This tool is designed for high-torque applications in professional settings, featuring a robust aluminum housing and ergonomic design.

SAFETY INFORMATION

Always observe basic safety precautions when using power tools to reduce the risk of injury. Keep this manual for future reference.

- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and gloves.
- Ensure the workpiece is securely fastened before operation.
- Keep hands and loose clothing away from moving parts.
- Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Disconnect the air supply before making adjustments, changing accessories, or storing the tool.
- Use only accessories rated for the tool's speed and torque.

SETUP

Before initial use, ensure all components are present and in good condition.

1. **Unpacking:** Carefully remove the impact wrench and its accessories from the packaging. Inspect for any shipping damage.
2. **Attaching the Extension:** If using the included 6-inch extension, securely attach it to the 1-1/4 inch square drive of the impact wrench. Ensure it clicks into place or is firmly seated.
3. **Connecting to Air Supply:**
 - Ensure your air compressor can provide the required air pressure and volume (refer to specifications).
 - Connect an appropriate air hose (minimum 3/8 inch inner diameter recommended) to the air inlet at the base of the tool handle.
 - Use a quick-connect coupler for easy attachment and detachment.
 - Apply a few drops of pneumatic tool oil into the air inlet before each use to lubricate internal components.
4. **Installing Sockets:** Select the correct 1-1/4 inch drive impact socket for your application. Push the socket firmly onto the square drive or extension until it locks.

OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your impact wrench.

1. **Preparation:** Ensure the air supply is connected and regulated to the recommended pressure. Select the appropriate socket for the fastener.
2. **Direction Control:** Locate the forward/reverse selector switch (typically near the trigger). Set it to the desired direction (clockwise for tightening, counter-clockwise for loosening).
3. **Applying Torque:**
 - Position the socket squarely onto the fastener.
 - Press the trigger gently to start the tool. The smooth action trigger allows for better speed control.
 - Apply steady pressure to the tool, allowing the double hammer mechanism to deliver high torque for efficient fastening or loosening.
 - Avoid over-tightening. For critical applications, always use a torque wrench to verify final torque settings.
4. **Air Exhaust:** The tool features air exhaust through the handle, directing air away from the workpiece for a cleaner work environment.
5. **Finishing:** Release the trigger to stop the tool. Disconnect the air supply when finished or when changing sockets.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your STANLEY impact wrench.

- **Lubrication:** Apply a few drops of pneumatic tool oil into the air inlet before each use and after every hour of continuous operation. This lubricates the internal motor components.
- **Air Filter:** Regularly check and clean the air filter on your compressor and any inline filters to ensure a clean air supply to the tool.
- **Sealed Bearings:** The tool is equipped with sealed bearings for extended service life, requiring no user lubrication.

- **Cleaning:** Keep the tool clean and free from debris. Wipe down the exterior with a damp cloth. Do not use harsh solvents.
- **Storage:** Store the tool in a dry, secure location away from direct sunlight and extreme temperatures. Disconnect from air supply before storage.

TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Tool does not operate or operates weakly.	Insufficient air pressure or volume. Air hose kinked or blocked. Lack of lubrication. Direction selector in neutral or wrong position.	Check air compressor settings and air line for leaks. Inspect air hose for obstructions. Add pneumatic tool oil to the air inlet. Adjust direction selector.
Excessive air leakage.	Loose fittings. Damaged O-rings or seals.	Tighten all air line connections. Contact authorized service center for seal replacement.
Tool gets hot during operation.	Continuous heavy use. Lack of lubrication.	Allow tool to cool down. Ensure proper lubrication.

SPECIFICATIONS

Technical specifications for the STANLEY 97-558LA Impact Wrench.

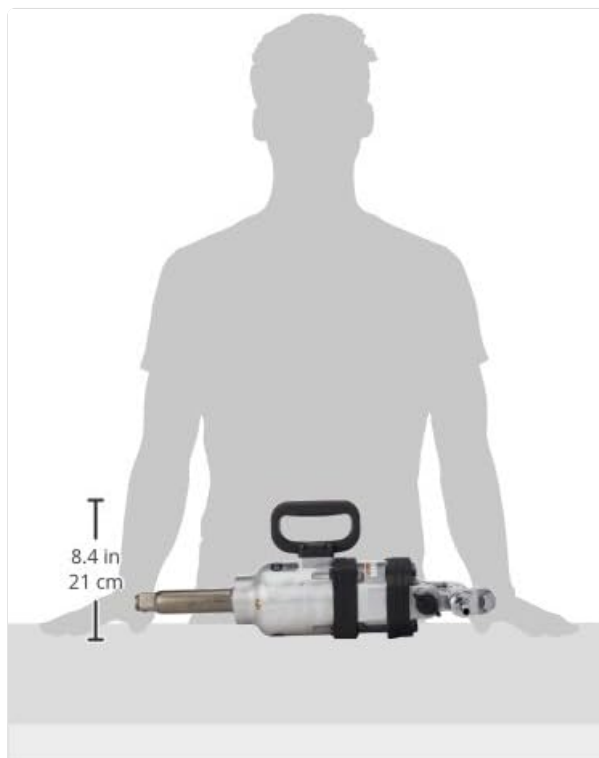


Image 2: Dimensions of the STANLEY 97-558LA Impact Wrench, showing a height of approximately 8.4 inches (21 cm) for scale.

- **Model:** 97-558LA
- **Drive Size:** 1-1/4 Inch (32mm) Square
- **Extension Length:** 6 Inch (153mm)
- **Maximum Torque:** 2,168 N.m (Newton-meters)
- **Mechanism:** Double Hammer
- **Material:** Aluminum Housing, Steel Internal Parts, Aluminum and Rubber Auxiliary Handle
- **Color:** Yellow/Black
- **Product Weight:** 1.5 Kilograms
- **UPC:** 747752975582
- **Manufacturer:** STANLEY BLACK & DECKER
- **Country of Origin:** China
- **Included Components:** Impact Wrench, 6-inch Extension, User Manual

WARRANTY INFORMATION

STANLEY products are manufactured to high-quality standards. For detailed warranty information, please refer to the official STANLEY warranty statement provided with your purchase or visit the official STANLEY website.

Keep your proof of purchase for warranty claims.

Extended warranty plans may be available for purchase separately. Please consult your retailer for options.

SUPPORT

For technical assistance, spare parts, or service, please contact STANLEY customer support or an authorized service center.

- **Online Support:** Visit the official [STANLEY website](#) for FAQs, product registration, and service center locators.
- **Customer Service:** Refer to the contact information provided in your product packaging or on the STANLEY website for your region.