

YATO YT-09515

YATO YT-09515 Pneumatic Impact Wrench User Manual

Model: YT-09515

1. INTRODUCTION

Thank you for choosing the YATO YT-09515 Pneumatic Impact Wrench. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before operating the impact wrench to ensure proper use and to prevent injury or damage.

The YATO YT-09515 is a compact and powerful pneumatic impact wrench designed for various fastening and loosening applications, offering high torque and durability for professional and DIY tasks.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of personal injury and damage to the tool. Failure to follow these instructions may result in serious injury.

- **Wear Personal Protective Equipment (PPE):** Always wear ANSI-approved safety goggles or a face shield. Hearing protection is also recommended due to noise levels.
- **Secure Workpiece:** Ensure the workpiece is stable and secured before operating the tool.
- **Disconnect Air Supply:** Always disconnect the air supply before changing accessories, performing maintenance, or when the tool is not in use.
- **Maintain Proper Air Pressure:** Do not exceed the maximum recommended air pressure for the tool. Refer to the specifications section.
- **Inspect Tool Before Use:** Check for damaged parts, air leaks, or loose connections. Do not use a damaged tool.
- **Keep Work Area Clean:** Cluttered work areas and benches invite accidents.
- **Avoid Loose Clothing:** Do not wear loose clothing, jewelry, or long hair that can get caught in moving parts.
- **Use Correct Accessories:** Only use impact-rated sockets and accessories with this tool.
- **Keep Hands Clear:** Keep hands and body parts away from the rotating square drive and socket during operation.

3. PRODUCT COMPONENTS

Familiarize yourself with the main components of your YATO YT-09515 Pneumatic Impact Wrench:



Figure 3.1: Overall View of the Impact

Wrench. This image shows the main body, trigger, handle, square drive, and air inlet connection at the base of the handle.



Figure 3.2: Direction Control Switch. Located

at the rear of the tool, this switch allows selection between forward (tightening) and reverse (loosening) rotation. The 'R' indicates reverse, and 'F' indicates forward.



Figure 3.3: Side View with Square Drive. This view highlights the 1/2-inch square drive anvil where sockets are attached, and the robust aluminum housing.

4. SETUP AND CONNECTION

Before operating the impact wrench, ensure it is properly set up and connected to an appropriate air supply.

- Air Supply Requirements:** The tool requires a clean, dry, and regulated air supply. Ensure your air compressor can deliver at least 142 liters per minute (l/min) of air consumption at the recommended operating pressure (typically 6.3 bar / 90 PSI).
- Hose Connection:** Connect a 3/8-inch diameter air hose to the tool's air inlet. It is recommended to use an inline air filter/regulator/lubricator unit to ensure clean, lubricated air and consistent pressure.
- Lubrication:** If not using an inline lubricator, add a few drops of pneumatic tool oil into the air inlet before each use or after every hour of continuous operation. This is crucial for the longevity of the internal mechanisms.
- Attach Socket:** Select the appropriate 1/2-inch impact-rated socket for your application. Push the socket firmly onto the square drive anvil until it locks securely.

5. OPERATING INSTRUCTIONS

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

- Select Direction:** Use the direction control switch (refer to Figure 3.2) to select either forward (F) for tightening or reverse (R) for loosening.
- Position Tool:** Place the socket firmly onto the fastener (nut or bolt head). Ensure the socket is fully engaged to prevent stripping the fastener or damaging the socket.
- Activate Tool:** Squeeze the trigger to start the impact action. The tool will deliver rapid, high-torque impacts.
- Tightening:** For tightening, apply steady pressure to the tool. Release the trigger once the desired tightness is achieved. Note that this tool delivers up to 1200 Nm of torque; always use a torque wrench for final torque specifications where precision is critical.
- Loosening:** For loosening, ensure the tool is set to reverse. Apply steady pressure and activate the trigger until the fastener is loose.

6. **Release Trigger:** Release the trigger to stop the tool.

6. MAINTENANCE

Regular maintenance will extend the life of your YATO impact wrench and ensure optimal performance.

- **Lubrication:** Lubricate the tool daily or before each use by adding 5-10 drops of pneumatic tool oil into the air inlet. If using an inline lubricator, ensure it is filled and functioning correctly.
- **Air Filter:** Regularly check and clean or replace the air filter in your air supply system to prevent contaminants from entering the tool.
- **Air Hoses and Fittings:** Inspect air hoses and fittings for wear, cracks, or leaks. Replace any damaged components immediately.
- **Cleaning:** Keep the tool clean and free of debris. Wipe down the exterior with a clean, dry cloth. Do not use harsh solvents that could damage the housing.
- **Storage:** Store the tool in a dry, clean environment when not in use. Disconnect it from the air supply.

7. TROUBLESHOOTING

If you encounter issues with your impact wrench, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
Tool does not operate or has low power.	Low air pressure or insufficient air volume.	Check air compressor output and regulator setting. Ensure air hose is of adequate diameter (3/8 inch recommended) and length.
	Lack of lubrication.	Add pneumatic tool oil to the air inlet. Ensure inline lubricator is functioning.
	Air leaks in connections or hose.	Inspect all connections and hoses for leaks. Tighten or replace as necessary.
Excessive vibration or noise.	Worn or damaged internal parts.	Discontinue use and contact a qualified service technician.
Socket does not stay on anvil.	Worn anvil or socket retaining ring.	Inspect anvil and retaining ring. Replace if worn. Ensure using impact-rated sockets.

8. TECHNICAL SPECIFICATIONS

The following table lists the key technical specifications for the YATO YT-09515 Pneumatic Impact Wrench:

Feature	Specification
Model Number	YT-09515
Operation Mode	Pneumatic
Square Drive Size	1/2 inch (12.5 mm)
No-Load Speed	Up to 10,000 RPM

Feature	Specification
Maximum Torque	1200 Nm
Air Consumption	142 l/min
Recommended Hose Diameter	3/8 inch
Tool Length	132 mm
Weight	1.3 kg
Material	Aluminum
Sound Pressure Level	87 dB
Sound Power Level	94 dB
Color	Red



Figure 8.1: Tool Dimensions. This image illustrates the compact length of the impact wrench, approximately 130 mm.

9. WARRANTY INFORMATION

YATO products are manufactured to high-quality standards. For specific warranty terms and conditions applicable to your YT-09515 Pneumatic Impact Wrench, please refer to the warranty card included with your purchase or contact your retailer. Keep your proof of purchase for any warranty claims.

10. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to order replacement parts for your YATO YT-09515 Pneumatic Impact Wrench, please contact your authorized YATO dealer or the customer service department of the

retailer from whom you purchased the product. Provide the model number (YT-09515) and a detailed description of the issue when seeking support.

Documents - YATO – YT-09515



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