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> XIIW 1/2 Inch Air Impact Wrench User Manual

## XIIW 81704

# XIIW 1/2 Inch Air Impact Wrench User Manual

Model: 81704

## INTRODUCTION

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Thank you for choosing the XIIW 1/2 Inch Air Impact Wrench. This powerful and lightweight tool is engineered for demanding tasks, offering a maximum torque of 1560 ft-lbs and a free speed of 8000 RPM, making it ideal for automobile repair and other heavy-duty applications. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new air impact wrench.



Image: The XIIW 1/2 Inch Air Impact Wrench, showcasing its red and black design, along with the included 11-piece CR-V steel impact socket set, 5-inch extension bar, lubrication adaptor, and a durable storage case.

## SAFETY INFORMATION

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Always adhere to the following safety precautions to prevent injury and damage to the tool:

- **Eye Protection:** Always wear ANSI-approved safety goggles or a face shield when operating or performing maintenance on the tool.
- **Hearing Protection:** Use ear protection to prevent hearing damage from prolonged exposure to noise.
- **Hand Protection:** Wear appropriate gloves to protect hands from vibration and potential pinch points.
- **Disconnect Air Supply:** Before making adjustments, changing accessories, or performing maintenance, always disconnect the tool from the air supply.
- **Proper Air Pressure:** Do not exceed the maximum recommended air pressure for the tool. Refer to the specifications section.
- **Secure Workpiece:** Ensure the workpiece is securely clamped or held to prevent movement during operation.
- **Maintain Work Area:** Keep the work area clean, well-lit, and free of clutter to prevent accidents.

- **Inspect Tool:** Before each use, inspect the tool for any damage, loose parts, or air leaks. Do not operate a damaged tool.
- **Use Correct Accessories:** Only use impact-rated sockets and accessories with this impact wrench.

## PRODUCT OVERVIEW

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The XIIW 1/2 Inch Air Impact Wrench is designed for robust performance and user comfort. Key components and features include:

- **Square Drive (1/2"):** For attaching impact sockets.
- **Trigger:** Activates the tool.
- **Ergonomic Grip:** Designed for comfortable handling and reduced fatigue.
- **Forward and Reverse Exchange Knob:** Allows for easy switching between tightening and loosening modes, with adjustable torque settings.
- **Air Inlet:** Connection point for the air hose.
- **Downward Exhaust:** Directs exhaust air and oil away from the workpiece and operator.
- **Twin Hammer Mechanism:** Delivers high torque and efficient performance.

### Included Accessories:

- 11-piece CR-V Steel Impact Socket Set (9, 10, 11, 13, 14, 17, 19, 21, 24, 27 mm)
- 5-inch Extension Bar
- Convenient Lubrication Adaptor
- Storage Case



Image: A detailed diagram highlighting the key components of the XIW 1/2 Inch Air Impact Wrench, including the square drive, trigger, ergonomic grip, forward and reverse exchange knob, and air inlet. Dimensions are also indicated.

## SETUP

Follow these steps to set up your air impact wrench for operation:

1. **Air Supply Connection:** Connect the air impact wrench to a clean, dry, and regulated air supply. The tool requires an NPT 1/4" (6.3mm) air inlet and a 3/8" (9.5mm) air hose. Ensure your air compressor can provide the necessary air consumption of 6.5 CFM at an operating pressure of 0.63 MPa (approximately 90 PSI).
2. **Lubrication:** Before initial use and regularly thereafter, lubricate the tool. The included lubrication adaptor simplifies this process. Add a few drops of pneumatic tool oil into the air inlet or use the adaptor for continuous lubrication. Regular oiling is crucial for prolonging the tool's service life and maintaining optimal performance.
3. **Attach Socket:** Select the appropriate impact-rated socket from the included set and firmly attach it to the 1/2-inch square drive of the impact wrench. For deeper access, use the 5-inch extension bar.

# DOWNWARD EXHAUST

Keep the exhaust air and oil away from the workpiece



**Air Inlet Size**  
NPT 1/4"(6.3mm)



**Air Hose Size**  
3/8"(9.5mm)



**Air Consumption**  
6.5cfm



**Air Pressure**  
0.63Mpa

Image: A close-up view of the convenient lubrication adaptor, demonstrating how it connects to the air inlet to ensure proper oiling of the tool, which helps prevent breakdowns and extends service life.



Image: A diagram illustrating the downward exhaust feature of the impact wrench, which keeps air and oil away from the workpiece. Also shown are specifications for air inlet size (NPT 1/4"), air hose size (3/8"), air consumption (6.5cfm), and air pressure (0.63MPa).

## OPERATING INSTRUCTIONS

Operating your XIIW Air Impact Wrench involves selecting the correct direction and torque setting:

1. **Direction and Torque Adjustment:** Use the F/R (Forward/Reverse) exchange knob located at the rear of the tool to select the desired direction and torque setting. The tool offers:
  - **Forward Settings:**
    - Forward 1: 200 ft-lb (271 N-m)
    - Forward 2: 1000 ft-lb (1357 N-m)
    - Forward 3: 1500 ft-lb (2035 N-m)
  - **Reverse Setting:**

- Reverse: 1560 ft-lb (2116 N·m) (Max loosening torque)

2. **Applying the Tool:** Place the socket firmly onto the fastener. Ensure the tool is stable and you have a firm grip.
3. **Operation:** Press the trigger to activate the impact wrench. Apply steady pressure to the tool. Release the trigger to stop operation.
4. **Monitoring:** For tightening applications, it is recommended to use a torque wrench for final tightening to ensure fasteners are torqued to manufacturer specifications.



Image: An illustration detailing the performance capabilities of the XIIV Air Impact Wrench, including its 8000 RPM free speed and 1560 ft-lb (2116 N·m) maximum loosening torque.



Image: A close-up view of the Forward/Reverse exchange knob, showing the three forward torque settings (200, 1000, 1500 ft-lb) and the single reverse setting (1560 ft-lb), allowing for precise control over fastening and loosening.

# HIGH TORQUE

1/2 Inch Impact Wrench Has 1560 Ft-Lbs Of Torque includes 11 Pcs CR-V Steel Impact Socket Set.



5" Extension bar



Image: The XIIW 1/2 Inch Air Impact Wrench in action, demonstrating its use on a vehicle wheel. The image also displays the full range of included CR-V steel impact sockets (9mm to 27mm) and the 5-inch extension bar, highlighting the comprehensive kit.

## MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your XIIW Air Impact Wrench:

- **Lubrication:** As mentioned in the setup, regular lubrication is critical. Add a few drops of pneumatic tool oil to the air inlet before each use or every few hours of continuous operation. The lubrication adaptor can assist with this.
- **Air Line Maintenance:** Ensure your air supply is clean and dry. Water and contaminants in the air line can damage the tool's internal components. Use an air filter/regulator/lubricator (FRL) unit in your air system.
- **Cleaning:** Keep the exterior of the tool clean. Wipe off any dirt, grease, or oil after use. Do not use harsh solvents that could damage the housing.
- **Inspect Connections:** Periodically check all air connections for leaks. Tighten fittings as necessary.
- **Storage:** Store the impact wrench and its accessories in the provided storage case in a dry, clean environment when not in use.

## TROUBLESHOOTING

If you encounter issues with your XIIW Air Impact Wrench, refer to the following common problems and solutions:

| Problem   | Possible Cause   | Solution   |
|---|--|--|
| Tool not operating or low power                 | Insufficient air pressure or volume<br>Lack of lubrication<br>Air leaks in connections<br>Obstructed air inlet | Check air compressor output and regulator setting (ensure 0.63 MPa / 90 PSI)<br>Add pneumatic tool oil to the air inlet<br>Inspect air hose and fittings for leaks; tighten or replace as needed<br>Clear any debris from the air inlet screen |
| Excessive vibration                             | Worn internal components<br>Loose fasteners on tool housing  | Contact customer support for service<br>Check and tighten external screws  |
| Tool runs continuously when trigger is released | Stuck trigger mechanism  | Disconnect air supply immediately. Inspect trigger for obstruction or damage. Do not use if trigger is faulty.   |

If the problem persists after attempting these solutions, please contact XIIW customer support for further assistance.

## SPECIFICATIONS

| Feature                   | Specification  |
|---------------------------|--|
| Brand                     | XIIW   |
| Model Number              | 81704  |
| Drive Size                | 1/2 Inch Square Drive  |
| Max Torque (Loosening)    | 1560 ft-lbs (2116 N·m)   |
| Free Speed                | 8000 RPM   |
| Weight                    | 4.4 lbs (Tool only)  |
| Material                  | Alloy Steel  |
| Color                     | Red  |
| Air Inlet Size            | NPT 1/4" (6.3mm)   |
| Recommended Air Hose Size | 3/8" (9.5mm)   |
| Air Consumption           | 6.5 CFM  |
| Operating Air Pressure    | 0.63 MPa (approx. 90 PSI)  |
| Included Components       | 1/2-Inch Air Impact Wrench, 11 Pcs CR-V Steel Impact Socket Set, 5" Extension Bar, Storage Case, Lubrication Adaptor |

## WARRANTY AND SUPPORT

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For information regarding product warranty, please refer to the documentation included with your purchase or contact the seller directly. XIIW is committed to providing quality products and customer satisfaction.

For additional support, product information, or to explore other XIIW products, please visit the official XIIW Store:

[Visit the XIIW Store on Amazon](#)

