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> VEVOR 1/2-Inch Air Impact Wrench User Manual

VEVOR 1/2-Inch/1400 ft-lbs

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Model: 1/2-Inch/1400 ft-lbs

1. PRODUCT OVERVIEW

The VEVOR 1/2-Inch Air Impact Wrench is a powerful pneumatic tool designed for various fastening and loosening applications, including automotive repair, assembly, and maintenance. It features a robust twin hammer mechanism for high torque output and a lightweight, compact design for comfortable operation.



Figure 1: VEVOR 1/2-Inch Air Impact Wrench and its comprehensive accessory kit, including various sockets and lubrication tools.

Key Features:

- **Powerful Twin Hammer Mechanism:** Delivers up to 1,400 foot-pounds of nut busting torque for demanding tasks.
- **Lightweight and Compact:** Weighs approximately 4.6 pounds, reducing user fatigue during extended use.
- **Effortless Lubrication:** Includes a convenient lubrication adaptor for easy maintenance and extended tool life.
- **Convenient Torque Control:** Features a 4-position combined forward/reverse and power management regulator for adjustable torque output.
- **Durable Construction:** Made with plastic steel material and a powder-coated finish for longevity.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions when using this air impact wrench to reduce the risk of personal injury and damage to the tool. Read all instructions carefully before operation.

General Safety:

- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep bystanders, especially children, away from the operating area.
- Do not operate the tool under the influence of drugs, alcohol, or medication.
- Disconnect the air supply before making adjustments, changing accessories, or performing maintenance.

Air Supply Safety:

- Ensure the air compressor is properly maintained and capable of providing the required air pressure and flow (90-120 PSI, 6.5 CFM minimum).
- Use clean, dry, regulated compressed air. Moisture and contaminants can damage the tool.
- Do not exceed the maximum recommended air pressure of 120 PSI.
- Inspect air hoses for damage before each use. Do not use damaged hoses.

3. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged:

- VEVOR 1/2-Inch Air Impact Wrench x 1
- Air Quick Connector x 1
- 5-Inch Extension Bar x 1
- Oil Lubricator x 1
- Oil Pot x 1
- CR-V Steel Impact Sockets x 10 (9, 10, 11, 13, 14, 17, 19, 21, 24, 27 mm)
- Wrench x 1
- Carrying Case x 1

11 PCS IMPACT SOCKET SET

High hardness CR-V steel withstand torque changes



Figure 2: The comprehensive 11-piece CR-V steel impact socket set and 5-inch extension bar included with the wrench.

4. SETUP

Proper setup ensures optimal performance and safety of your air impact wrench.

4.1 Air Supply Connection:

1. Ensure your air compressor is turned off and depressurized.
2. Attach the provided Air Quick Connector to the air inlet of the impact wrench.
3. Connect a suitable air hose (3/8" ID recommended) from your air compressor to the quick connector.
4. Ensure the air pressure regulator on your compressor is set to the recommended operating pressure of 90-120 PSI.



Figure 3: The rotatable air quick connector allows for flexible hose positioning and easy attachment.

4.2 Initial Lubrication:

Before first use, and regularly thereafter, lubricate the tool to ensure smooth operation and longevity.

1. Disconnect the air supply from the wrench.
2. Unscrew the cap of the oil lubricator.
3. Add a few drops of pneumatic tool oil into the oil lubricator.
4. Reattach the oil lubricator to the air inlet and connect the air hose.
5. Run the tool for a few seconds to distribute the oil.

SUPER EASY LUBRICATION

No longer worry about forgetting to oil tools
greatly extending the service life



Transparent Oil Lubricator

Oil inspection to prevent breakdown

360° Quick Connector

Fill oil when you notice
frictions on moving parts

Figure 4: The transparent oil lubricator allows for visual inspection of oil levels, ensuring proper lubrication.

5. OPERATING INSTRUCTIONS

5.1 Attaching Sockets:

Select the appropriate CR-V steel impact socket for your application. Push the socket firmly onto the square drive anvil until it locks into place.

5.2 Forward/Reverse and Speed Control:

The wrench features a 4-position combined forward/reverse and power management regulator, typically located near the trigger.

- **Forward (Tightening):** Move the regulator to the desired forward position (usually 3 speeds available) for

tightening fasteners. Higher positions provide more torque.

- **Reverse (Loosening):** Move the regulator to the leftmost position for reverse operation, which is used for loosening fasteners. This typically provides maximum loosening torque.



EASY TO USE

w/ Combined forward/reverse and speed switch



Figure 5: The easy-to-use combined forward/reverse and speed switch for precise control.

5.3 Operation:

1. Ensure the air supply is connected and regulated to the correct pressure.
2. Select the appropriate direction (forward or reverse) and torque setting.
3. Place the socket firmly onto the fastener.
4. Depress the trigger to operate the wrench. Release the trigger to stop.
5. For tightening, always verify the final torque with a torque wrench to meet specifications.



ONE HAND OPERATION

Figure 6: The lightweight design allows for comfortable one-hand operation in many scenarios.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your air impact wrench.

6.1 Lubrication:

Lubricate the tool daily or before each use with a few drops of pneumatic tool oil through the air inlet. The transparent oil lubricator allows for easy visual inspection.



Figure 7: Step-by-step guide for proper oiling and maintenance of the air impact wrench.

6.2 Cleaning and Storage:

- After each use, wipe down the tool with a clean, dry cloth.
- Store the tool in its carrying case in a dry, clean environment, away from direct sunlight and extreme temperatures.
- Ensure the air supply is disconnected before storing.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool not operating or low power	Insufficient air pressure or flow; lack of lubrication; clogged air filter; worn internal parts.	Check air compressor settings (90-120 PSI, 6.5 CFM minimum). Lubricate the tool. Clean or replace air filter. Contact service if problem persists.
Air leakage	Loose fittings; damaged O-rings or seals.	Tighten all connections. Replace damaged O-rings or seals.
Excessive vibration	Worn bearings; unbalanced internal components.	Discontinue use and contact service.

8. SPECIFICATIONS

Attribute	Value
Model	1/2-Inch/1400 ft-lbs
Working Torque	1000 ft-lb
Max Torque	1200 ft-lb
Max Loosening Torque	1400 ft-lb
Free Speed	8000 rpm

Attribute	Value
Air Hose ID	3/8"
Square Drive	1/2" (13 mm)
Operation Pressure	90-120 psi
Operation Air Flow	6.5 cfm
Air Inlet Size	1/4"
Weight	4.6 lbs / 2.1 kg
Material	Plastic Steel
Color	Black & Orange
Sound Level	60 dB

VEVOR
TOUGH TOOLS, HALF PRICE

7in / 17.9cm

7.3in / 18.5cm

2.71in / 6.9cm

Working Torque:
1000 ft-lb

Max Torque:
1200 ft-lb

Max Loosening Torque:
1400 ft-lb

Free Speed:
8000rpm

Air Hose:
3/8"ID

Square Drive:
1/2" (13 mm)

Operation Pressure:
90-120psi

Operation Air Flow:
6.5 cfm

Air Inlet Size:
1/4"

Weight:
4.6lbs/2.1kg

Figure 8: Detailed dimensions and performance specifications of the air impact wrench.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official VEVOR website or contact VEVOR customer service directly. Keep your purchase receipt as proof of purchase.

Online Support: www.vevor.com

Manufacturer: VEVOR

UPC: 840281566556