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> AVTAPWTL 1300Nm 20V 1/2" Brushless Impact Wrench User Manual

AVTAPWTL AVT-CIW1300

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Model: AVT-CIW1300 | Brand: AVTAPWTL

INTRODUCTION

Thank you for choosing the AVTAPWTL 1300Nm 20V 1/2" Brushless Impact Wrench. This powerful and versatile tool is designed for a wide range of applications, including automotive repair, machinery maintenance, and construction tasks. Featuring a high-torque brushless motor, long-lasting 4.0Ah lithium-ion batteries, and intelligent functions like auto-stop, this impact wrench provides efficient and reliable performance. Please read this manual thoroughly before operation to ensure safe and proper use of your new tool.

SAFETY INFORMATION

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

General Power Tool Safety Warnings

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Personal Safety:** Always wear eye protection. Use appropriate personal protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions. Stay alert, watch what you are doing, and use common sense when operating a power tool.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed. Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.

PACKAGE CONTENTS

Upon opening your AVTAPWTL Impact Wrench kit, please verify that all items listed below are present and in good condition:

- 1 x 1300NM Impact Wrench
- 2 x 4.0Ah Lithium-Ion Batteries
- 1 x Benchtop Rapid Charger
- 5 x Sockets (17mm, 19mm, 21mm, 22mm, 24mm)
- 1 x Sturdy Carrying Case
- 1 x User's Manual (this document)



Image: The complete AVTAPWTL 1300Nm Impact Wrench kit, showcasing the impact wrench, two 4.0Ah batteries, a rapid charger, a set of five sockets (17mm, 19mm, 21mm, 22mm, 24mm), and a durable carrying case.

PRODUCT OVERVIEW

Familiarize yourself with the components of your AVTAPWTL Impact Wrench:



Image: A detailed diagram highlighting the key components of the AVTAPWTL Impact Wrench, including the 1/2 inch square chuck, integrated LED light, variable speed trigger, battery pack release button, brushless motor housing, forward and reverse switch, soft rubberized handle for grip, and the smart control panel.

- **1/2 inch Square Chuck:** For attaching sockets.
- **LED Light:** Illuminates the work area for improved visibility.
- **Variable Speed Switch:** Controls the rotation speed based on trigger pressure.
- **Battery Pack Release Button:** Used to detach the battery from the tool.
- **Brushless Motor:** Provides high torque, efficiency, and extended tool life.
- **Forward and Reverse Switch:** Changes the direction of rotation for tightening or loosening.
- **Soft Rubberized Handle:** Ergonomic design for comfortable and secure grip.
- **Smart Control Panel:** Located at the base, allows selection of modes and auto-stop function.

SETUP

1. Charging the Battery

The AVTAPWTL Impact Wrench comes with two 4.0Ah high-capacity lithium-ion batteries. It is recommended to fully charge the batteries before first use.

1. Connect the rapid charger to a standard power outlet.
2. Slide the battery pack onto the charger until it clicks into place.
3. The charger's indicator light will show the charging status. A full charge typically takes a short period of time.
4. Once fully charged, remove the battery from the charger.



Image: A visual representation of the AVTAPWTL 4.0Ah Lithium-Ion battery and its charging unit, highlighting the high capacity and efficient charging capabilities.

2. Installing and Removing the Battery

- **To Install:** Align the battery pack with the base of the impact wrench and slide it in until it clicks securely into place.

- **To Remove:** Press the battery pack release button (refer to Product Overview) and slide the battery pack out.

3. Attaching Sockets

- Ensure the impact wrench is off and the battery is removed for safety.
- Push the desired socket (17mm, 19mm, 21mm, 22mm, or 24mm) onto the 1/2 inch square chuck until it is firmly seated.
- To remove, simply pull the socket off the chuck.

OPERATING INSTRUCTIONS

1. Powering On/Off and Variable Speed

The tool is powered on by pressing the variable speed switch (trigger) and powered off by releasing it. The speed of rotation is controlled by the amount of pressure applied to the trigger. Pressing lightly results in lower speed, while pressing fully results in maximum speed.

2. Forward and Reverse Switch

The forward/reverse switch is located above the trigger. This switch controls the direction of rotation for tightening or loosening fasteners.

- **Forward (Tightening):** Push the switch to the left (when viewed from the rear of the tool).
- **Reverse (Loosening):** Push the switch to the right (when viewed from the rear of the tool).
- **Lock Position:** Center the switch to lock the trigger and prevent accidental operation. Always engage the lock when not in use or when changing accessories.

FORWARD & REVERSE SWITCH

Tighten & Loosen Screws

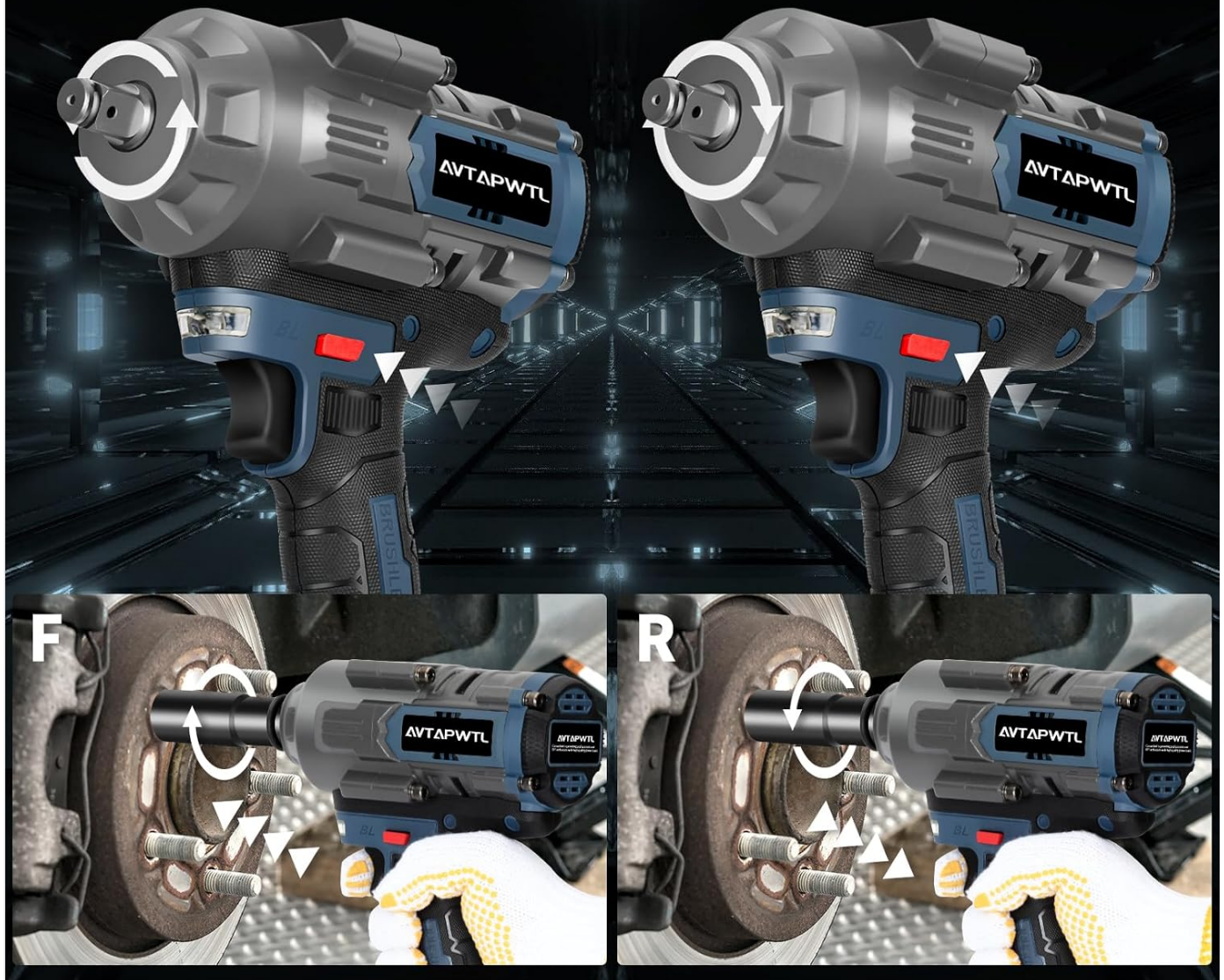


Image: Illustration demonstrating the forward and reverse switch positions on the impact wrench, indicating how to select the direction for tightening or loosening screws.

3. Speed Adjustment Modes

The AVTAPWTL Impact Wrench features three adjustable speed modes to suit different applications. These modes can be selected via the smart control panel at the base of the tool.

- **Low (L):** Approximately 1500 RPM - Ideal for delicate tasks or when precise control is needed.
- **Medium (M):** Approximately 2500 RPM - Suitable for general fastening and loosening.
- **High (H):** Approximately 3500 RPM - For maximum torque and speed, such as removing stubborn lug nuts.

3 SPEEDS ADJUSTABLE



Image: A visual guide to the three adjustable speed settings (Low, Medium, High) available on the AVTAPWTL Impact Wrench, controlled via the smart panel.

4. Auto-Stop Function (Reverse Self-Stop)

The intelligent auto-stop function is designed to prevent fasteners from flying off after being loosened. This feature is activated when the tool is in reverse mode.

- Select the reverse direction using the forward/reverse switch.
- Activate the auto-stop function via the smart control panel.
- When the system detects that the screw or nut has been loosened, the tool will automatically stop rotating, protecting both the fastener and your safety.

5. LED Work Light

The integrated LED light illuminates the work area. It is designed with a delayed extinguishing function, meaning the light will remain on for 5-10 seconds after the trigger is released, providing continued visibility in dark spaces.

UPGRADE BID-LED LIGHT DESIGN

A full lighted view for you



Image: The AVTAPWTL Impact Wrench in use, demonstrating its bright LED light effectively illuminating the work area around a car wheel, enhancing visibility in low-light conditions.

6. Applications

The high torque and versatile design of the AVTAPWTL Impact Wrench make it suitable for various heavy-duty applications:

- **Automotive:** Ideal for dismantling/repairing car, truck, and RV tires, as well as suspension and engine work.
- **Agricultural Machinery:** Suitable for maintenance and repair of farm equipment.
- **Construction:** Effective for large-scale construction and maintenance tasks requiring high torque.

MAX TORQUE

1300N.M/960FT-LBS

1300N.M

900N.M

500N.M

0N.M

Tighten The Screws

Tire Disassembly

Engineering industrial Use

Image: The AVTAPWTL Impact Wrench demonstrating its versatility across different applications, including tightening screws, tire disassembly, and various engineering industrial uses, highlighting its 1300N.M / 960FT-LBS max torque.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your AVTAPWTL Impact Wrench.

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth. Do not use harsh chemicals or abrasive cleaners. Keep ventilation openings clear of dust and debris.
- **Storage:** Store the tool, batteries, and charger in the provided carrying case in a cool, dry place, away from direct sunlight and moisture. Ensure batteries are partially charged before long-term storage.
- **Battery Care:** Do not store batteries in a discharged state. Recharge them periodically if not used for extended periods. Avoid exposing batteries to extreme temperatures.
- **Inspection:** Periodically inspect the tool for any signs of damage, loose screws, or worn parts. If any issues are found, discontinue use and contact customer service.

TROUBLESHOOTING

This section addresses common issues you might encounter with your impact wrench.

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or improperly installed. Forward/Reverse switch in lock position.	Ensure battery is fully charged and securely installed. Move the forward/Reverse switch out of the center (lock) position.
Reduced power or torque.	Low battery charge. Incorrect speed mode selected.	Recharge the battery. Select a higher speed mode (M or H) on the control panel.
Battery not charging.	Charger not plugged in. Faulty battery or charger.	Check power connection. Contact customer support if issue persists.
Socket not attaching securely.	Debris in chuck. Incorrect socket size.	Clean the chuck. Ensure you are using a 1/2 inch drive socket.

SPECIFICATIONS

Feature	Specification
Model Number	AVT-CIW1300
Brand	AVTAPWTL
Voltage	20 Volts (DC)
Max Torque	1300 Newton Meters (960 Ft-lbs)
Motor Type	Brushless
Chuck Size	1/2 inch Square
Battery Capacity	2 x 4.0Ah Lithium-Ion
Speed Settings	3 (Low, Medium, High)
Item Weight	12.1 pounds
Material	Alloy Steel, Nylon
UPC	768553578987

WARRANTY AND SUPPORT

AVTAPWTL is committed to providing high-quality products and excellent customer service. Your AVTAPWTL Impact Wrench is backed by our commitment to quality.

For any questions, technical assistance, or warranty claims, please contact AVTAPWTL customer service. We offer official 7x24 hour uninterrupted service to assist you.

Please retain your proof of purchase for any warranty inquiries.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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