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Fanttik WB10 NOVA

Fanttik WB10 Nova 1/4 Inch Drive Mini Bike Torque Wrench Set User Manual

Model: WB10 NOVA

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your Fanttik WB10 Nova 1/4 Inch Drive Mini Bike Torque Wrench Set. This tool is designed for precise torque applications on bicycles, particularly those with carbon fiber components, to prevent overtightening and damage.

Please read this manual thoroughly before operating the device and retain it for future reference.

WHAT'S IN THE BOX

The Fanttik WB10 Nova Torque Wrench Set includes the following components:

- Torque Wrench (1 pc)
- 1/4" Extension Bar (1 pc)
- 1/4" Screwdriver Bit Adapter (1 pc)
- Tire Levers (2 pcs)
- Screwdriver Bits (14 pcs): Slotted (SL3, SL4), Hex (H2, H2.5, H3, H4, H5, H6), Phillips (PH1, PH2), Torx (T10, T15, T20, T25)
- Tire Patches (6 pcs)
- Tire Repair Sandpaper (1 pc)
- PU Bag (1 pc)
- Bag Straps (2 pcs)
- User Manual (1 pc)
- Certificate of Calibration (1 pc)

WHAT'S IN THE BOX?



Image: All components included in the Fanttik WB10 Nova Torque Wrench Set, neatly arranged in their carrying case.

SPECIFICATIONS

Feature	Detail
Brand	Fanttik
Model Number	WB10 NOVA

Torque Range	2-10 Nm (1.47-7.37 ft-lb)
Accuracy	±4%
Drive Size	1/4 Inch
Ratchet Teeth	72-Tooth
Material	Aluminum (Wrench Body), Chromium-Vanadium Steel (Bits)
Item Length	5.7 Inches
Item Weight	0.47 Kilograms (approx. 1.04 pounds)
Included Bits	Slotted, Phillips, Hex, Torx (14 total)

SETUP

Before using the torque wrench, ensure all components are present and in good condition. No assembly is required for the main torque wrench unit itself, but bits and adapters need to be installed.

- 1. Select the Correct Bit:** Identify the appropriate screwdriver bit for your application from the included 14-piece set.
- 2. Install the Bit:**
 - Press the push button on the ratchet head to release the locking mechanism.
 - Insert the selected bit or the 1/4" Screwdriver Bit Adapter into the ratchet head.
 - Ensure the bit is fully seated and the locking mechanism engages securely.

QUICK INSTALL



Image: A hand demonstrating how to press the button and insert a bit into the torque wrench head for quick installation.

3. **Attach Extension Bar (Optional):** If additional reach is needed, insert the 1/4" Extension Bar into the ratchet head before attaching a bit.

OPERATING INSTRUCTIONS

Follow these steps to accurately apply torque using your Fanttik WB10 Nova torque wrench:

1. Understanding the Torque Wrench Components

PRECISION TORQUE WRENCH

Torque value: 2-10N.m

1 Torque Scale

Lock/Unlock Handle 2

3 Ratchet Head

4 Push Button

Forward/Reverse Knob 5

Image: A detailed view of the torque wrench highlighting its key components: Torque Scale, Lock/Unlock Handle, Ratchet Head, Push Button, and Forward/Reverse Knob.

1. **Torque Scale:** Displays the set torque value.
2. **Lock/Unlock Handle:** Used to secure or adjust the torque setting.
3. **Ratchet Head:** Holds the bits and applies torque.
4. **Push Button:** Releases bits from the ratchet head.
5. **Forward/Reverse Knob:** Changes the direction of the ratchet mechanism.

2. Setting the Torque Value

1. **Unlock:** Pull down the Lock/Unlock Handle at the bottom of the wrench.

- 2. Adjust:** Rotate the handle to set the desired torque value on the Torque Scale. The white printed numbers are designed for high visibility.
- 3. Lock:** Release the Lock/Unlock Handle to secure the set torque value. Ensure it clicks into place to prevent accidental changes during use.

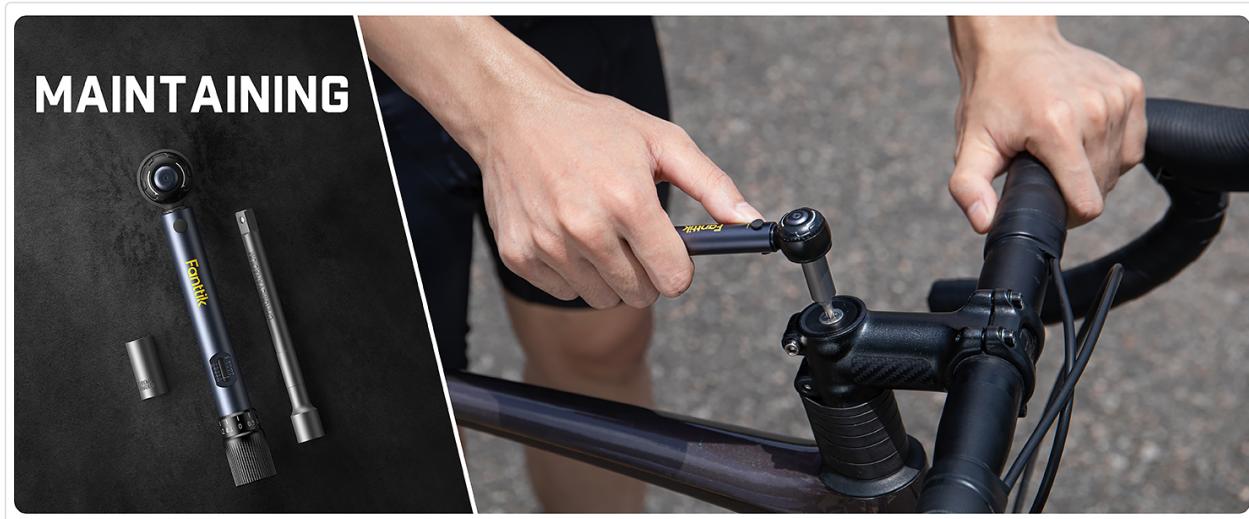


Image: A visual guide demonstrating the four steps to set the torque: pull down to unlock, rotate to set value, release to lock, and the audible click when torque is reached.

3. Applying Torque

- 1. Select Direction:** Use the Forward/Reverse Knob on the ratchet head to select the desired tightening or loosening direction. The 72-tooth reversible ratchet allows for operation in tight spaces.
- 2. Apply Force:** Place the wrench onto the fastener. Apply smooth, even force to the wrench handle.
- 3. Listen for Click:** Continue applying force until an audible "click" sound is heard and a slight impulse is felt. This indicates that the preset torque value has been reached.
- 4. Stop Immediately:** Cease applying force immediately after the click. Continuing to apply force will overtighten the fastener beyond the set torque.

PRECISION FITS IN PALM



**“click”
stop**

2-10 N.m

±4% Accuracy

Image: A hand using the Fanttik WB10 Nova torque wrench to tighten a bolt on a bicycle wheel, illustrating the "click" stop mechanism.

4. General Usage Scenarios

The Fanttik WB10 Nova is suitable for various bicycle maintenance tasks:

- **Installing Components:** Use for precise tightening of bottle cages, handlebars, seatposts, and other accessories.



Image: A person using the torque wrench to install a bottle cage on a bicycle frame.

- **Repairing:** Ideal for adjusting derailleurs, brakes, and other critical components where specific torque is required.



Image: A person using the torque wrench to perform a repair on a bicycle's rear derailleur.

- **Maintaining:** Regular checks and tightening of bolts to manufacturer specifications.

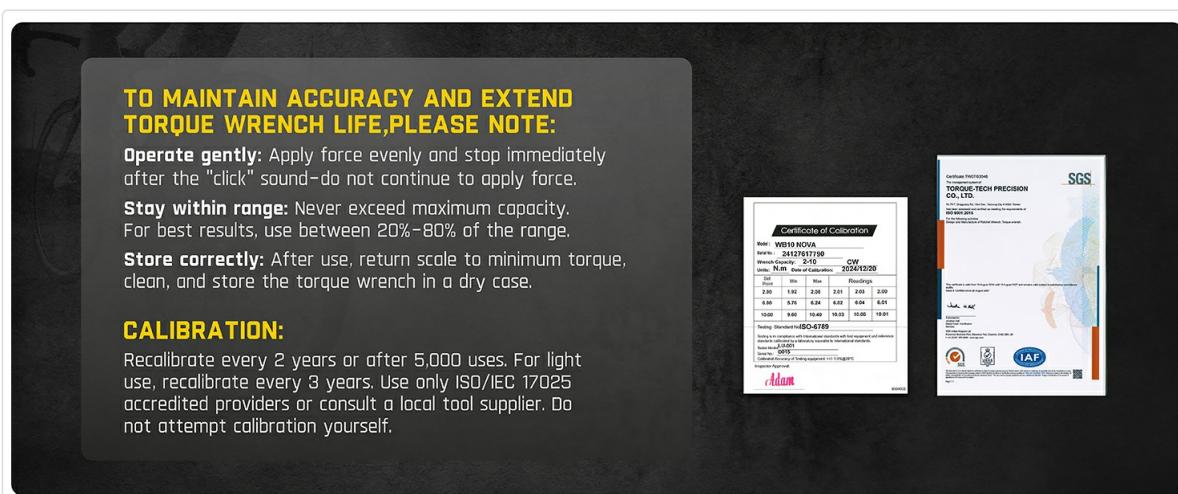


Image: A person using the torque wrench to maintain the handlebar stem bolts on a bicycle.

- **Tire Repair:** The kit includes tire levers, patches, and sandpaper for roadside tire repairs.

Image: Hands using the included tire levers to remove a bicycle tire from the rim.

INSTALLING



Image: A hand applying a tire patch to a bicycle inner tube after preparing the surface with sandpaper.

Maintenance

Proper maintenance ensures the longevity and accuracy of your torque wrench:

- **Clean After Use:** After each use, promptly wipe the torque wrench and bits clean with a soft, dry cloth. Avoid using harsh chemicals or solvents.
- **Storage:** Store the torque wrench in its provided PU bag in a cool, dry place. Do not store the wrench with a torque value set; always return the scale to its minimum torque setting (2 Nm) before storage to relieve spring tension and maintain accuracy.
- **Operating Range:** For best results and to extend tool life, use the torque wrench within 20-80% of its full range (approximately 3-8 Nm). Never exceed the maximum capacity of 10 Nm.
- **Calibration:** Torque wrenches are precision instruments that require periodic calibration.
 - For regular use, recalibrate every 2 years or after 5,000 uses, whichever comes first.
 - For light use, recalibrate every 3 years.
 - Calibration should be performed by ISO/IEC 17025 accredited providers or a local tool supplier. Do not attempt to calibrate the wrench yourself.



Image: A graphic detailing important maintenance tips and calibration recommendations for torque wrenches, including certificates of calibration.

TROUBLESHOOTING

If you encounter issues with your Fanttik WB10 Nova torque wrench, consider the following:

Problem	Possible Cause	Solution
Wrench does not "click" at set torque.	<ul style="list-style-type: none">Torque setting is too low for the fastener.Fastener is already overtightened.Wrench is faulty or out of calibration.	<ul style="list-style-type: none">Ensure the set torque is appropriate for the fastener.Do not force the wrench if resistance is too high.If issues persist, contact customer support for calibration or replacement.
Bit falls out of ratchet head.	<ul style="list-style-type: none">Bit not fully inserted.Push button not released after insertion.Ratchet head mechanism is worn.	<ul style="list-style-type: none">Ensure bit is fully seated and push button is released.Inspect the ratchet head for damage. Contact support if worn.
Difficulty adjusting torque value.	<ul style="list-style-type: none">Lock/Unlock Handle not fully pulled down.Internal mechanism is stiff or dirty.	<ul style="list-style-type: none">Ensure the handle is fully disengaged before rotating.Clean the wrench and ensure it's free of debris.

WARRANTY AND SUPPORT

Fanttik products are manufactured to high-quality standards. For warranty information, product support, or to inquire about calibration services, please refer to the official Fanttik website or contact their customer service directly.

Online Support: Visit www.fanttik.com for FAQs, product registration, and contact information.

Customer Service: Refer to the contact details provided on your product packaging or the official website for assistance.

 <p>Fanttik NEX S2 Pro Cordless Screwdriver User Manual</p> <p>Please read this instruction manual carefully before use and keep for future reference.</p>	<p>Fanttik NEX S2 Pro Cordless Screwdriver User Manual</p> <p>User manual for the Fanttik NEX S2 Pro Cordless Screwdriver, including safety instructions, package contents, product overview, operation, specifications, FCC warning statement, and warranty information.</p>
 <p>Fanttik X8 ACE AIR INFLATOR User Manual</p> <p>Please read this instruction manual carefully before use and keep for future reference.</p>	<p>Fanttik X8 Ace Air Inflator User Manual - Portable Bike Tire Pump Guide</p> <p>Comprehensive user manual for the Fanttik X8 Ace portable digital air inflator. Learn how to use, maintain, and troubleshoot your bike pump for E-Bikes, Mountain Bikes, City Bikes, and Road Bikes. Includes specifications and warranty information.</p>
 <p>Fanttik Electric Precision Screwdriver Kit NEX E1 Pro User Manual</p>	<p>Fanttik NEX E1 Pro Electric Precision Screwdriver Kit User Manual</p> <p>User manual for the Fanttik NEX E1 Pro Electric Precision Screwdriver Kit, detailing product overview, usage instructions, storage, and technical specifications.</p>
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 <p>Fanttik NEX S1 Capsule Cordless Screwdriver User Manual</p> <p>Please read this instruction manual carefully before use and keep for future reference.</p>	<p>Fanttik NEX S1 Capsule Cordless Screwdriver User Manual</p> <p>User manual for the Fanttik NEX S1 Capsule Cordless Screwdriver, providing safety warnings, product overview, usage instructions, specifications, and bit details.</p>