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› eTORK 1/4 Torque Wrench with Magnetic Lock System, Inch Pound Torque Wrench (5-50 in.-lb./0.6-5.6 N.m) Instruction Manual

eTORK MC150

eTORK 1/4 Inch Torque Wrench Instruction Manual

MODEL: MC150

Brand: eTORK

Introduction

The eTORK 1/4 Inch Torque Wrench is engineered for precision and durability, providing accurate torque measurements for a wide range of applications. This manual will guide you through the proper use and care of your new torque wrench to ensure optimal performance and longevity.



A clear view of the eTORK 1/4 Inch Torque Wrench, highlighting its ergonomic green handle and durable silver alloy steel body. The wrench features a visible scale for torque settings.

Product Features

- **Precision Measurement:** This digital torque wrench delivers $\pm 4\%$ accuracy across a full 5-50 in.-lb. range. Our 1/4 torque wrench provides consistent results for automotive work, motorcycle maintenance, and bicycle components. The easy-to-read dual scale with high-contrast markings makes this inch pound torque wrench perfect for both professional mechanics and DIY enthusiasts.

- **Magnetic Locking System:** Unlike standard 1/2 torque wrench or 1/4 torque wrench models, our innovative design features a secure locking mechanism that prevents settings from changing during use. The adjustment collar locks firmly in place with a satisfying click, eliminating setting drift that can lead to improper fastening or damaged components. This premium feature ensures consistent torque application throughout your entire project.
- **Clear Notification Signal:** Experience a distinct tactile and audible feedback when reaching the set torque value - you'll never miss when the proper torque is achieved. This torque wrench set includes a high-contrast scale that makes readings easy in any lighting condition. The sensitive mechanism works effectively across the entire range - from the smallest fasteners to larger applications requiring more force.
- **Versatile Applications:** This 1/4 drive torque wrench works perfectly for multiple projects - from automobile maintenance and small engine repair to bicycle component assembly. Its slim profile reaches tight spaces where bulkier wrenches won't fit. Compatible with your existing socket wrench set and other mechanic tools for complete workshop coverage, this torque wrench excels in applications where precision matters most.
- **Complete Toolkit Solution:** The package includes a protective storage case to maintain calibration between uses. Simply reset to minimum setting after each use to ensure long-term reliability. This essential addition to any wrench set or mechanic tool set prevents costly over-tightening errors while delivering excellent value compared to craftsman torque wrench models or other premium brands.

Patent Pending Magnetic Lock stays in place while adjusting



This image focuses on the innovative magnetic lock system located near the base of the wrench's head. The system ensures that the set torque value remains fixed during operation, preventing accidental adjustments.



The eTORK torque wrench is shown in practical application, being used to precisely tighten a component on a bicycle wheel. This demonstrates its suitability for various mechanical tasks requiring accurate torque application.



The eTORK torque wrench is neatly stored within its durable protective carrying case. This case is designed to safeguard the tool and maintain its calibration when not in use.

Setup

1. Unpacking

- Carefully remove the torque wrench and its protective carrying case from the packaging.
- Verify that all included components are present: torque wrench, protective carrying case, and calibration certificate.

2. Initial Inspection

- Inspect the torque wrench for any signs of damage that may have occurred during shipping.
- Ensure the adjustment collar moves smoothly and the directional switch operates correctly.

3. Setting Torque Value

1. Identify the desired torque value (e.g., 25 in.-lb. or 2.8 N.m) for your application.
2. Locate the adjustment collar on the wrench handle.
3. Pull the adjustment collar downwards to unlock it.
4. Rotate the handle to align the main scale marking with the desired torque value. The laser-etched scale provides clear visibility.
5. For precise adjustments, use the micrometer scale on the handle to fine-tune the setting.
6. Once the desired torque is set, push the adjustment collar upwards until it clicks into place, securing the setting.



A close-up of the wrench's shaft reveals the high-contrast, laser-etched dual scale, displaying both inch-pound and Newton-meter measurements. This design ensures clear and easy readability of torque settings in various lighting conditions.

Operating Instructions

1. General Use

1. Select the appropriate socket for your fastener and attach it firmly to the square drive of the torque wrench.
2. Ensure the directional switch is set to the desired tightening direction (clockwise for most fasteners).
3. Place the socket onto the fastener.
4. Apply steady, increasing pressure to the wrench handle. Do not use extension bars unless specifically designed for torque wrenches.
5. Continue applying pressure until you feel and hear a distinct "click" from the wrench. This indicates that the preset torque value has been reached.
6. Immediately stop applying force once the click is felt/heard. Over-tightening can damage the fastener or the wrench.
7. Remove the wrench from the fastener.

2. Directional Switch

- The eTORK torque wrench features an easy-to-use flip directional switch located on the head.
- Flip the switch to the left for clockwise tightening.
- Flip the switch to the right for counter-clockwise loosening (note: torque wrenches are designed for precise tightening, not for breaking loose seized fasteners).

3. Socket Attachment and Release

- To attach a socket, simply push it onto the square drive until it locks securely.
- To release a socket, press the push-button located on the head of the wrench and pull the socket off.





Certificate of Calibration

Model No.	MC2100					Serial No.	AA009785	
Type:	Setting					Calibration Equipment:	BAB-50MT	
Range:	10-100 Lb.ft					Accuracy of Equipment:	+/-0.5%	
Set Torque	Clockwise Readings						Max % Error	
20	20.3	20.3	20.2	20.1	20.1	1.6	%	
60	60	60.5	60.2	60.7	60.3	1.2	%	
100	101.8	100.6	101.5	101.3	100.6	1.8	%	

Results: This declaration of conformance is in accordance with ISO6789:2017 and ASME B107.300-2010 +/-3% in clockwise direction and +/-6% in counter-clockwise direction

Ambient temperature:	72 ± 4 °F	Humidity:	≤90%(RH)
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It is strongly recommended that the wrench be re-calibrated no later than 5,000 cycles or no later than 12 months after the date it is put into service, whichever comes first.

Calibrated by:	JCB	Date:	4/8/2023
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Example

Unique Serial Number and Calibration
Certificate included with each wrench

This image highlights the head of the torque wrench, featuring a convenient push-button for quick socket release and an easy-to-use flip directional switch for clockwise and counter-clockwise operation.

Maintenance

1. Cleaning

- After each use, wipe the torque wrench clean with a dry, soft cloth.
- Do not use harsh chemicals or abrasive cleaners, as these can damage the finish and markings.

2. Storage

- Always store the torque wrench in its protective carrying case when not in use.
- Before storing, reset the torque setting to the minimum value (5 in.-lb. or 0.6 N.m). This relieves tension on the internal spring mechanism, helping to maintain calibration accuracy over time.
- Store the wrench in a dry, clean environment, away from extreme temperatures and humidity.

3. Calibration

- Your eTORK torque wrench comes with a unique serial number and a calibration certificate, verifying its accuracy at the time of manufacture.
- To ensure continued accuracy, it is recommended that the wrench be re-calibrated no later than 5,000 cycles or 12 months after the date of first use, whichever comes first.
- Professional calibration services are available to maintain the tool's precision.



Laser Etched High Visibility Scale

An example of the calibration certificate provided with each eTORK torque wrench. This certificate verifies the wrench's accuracy and adherence to industry standards, ensuring reliable performance.

Troubleshooting

If you encounter any issues with your eTORK torque wrench, refer to the table below for common problems and their solutions.

Problem	Possible Cause	Solution
Wrench not clicking at set torque.	Torque setting too low; Wrench not properly calibrated; Fastener already tight.	Increase torque setting; Check calibration certificate and consider re-calibration; Ensure fastener is loose before applying torque.

Problem	Possible Cause	Solution
Torque setting changes during use.	Adjustment collar not fully locked.	Ensure the magnetic lock system's adjustment collar is pushed fully upwards until it clicks into place.
Inaccurate readings.	Improper use (e.g., jerking motion); Wrench out of calibration; Damage to internal mechanism.	Apply steady, smooth pressure; Re-calibrate the wrench; Contact customer support for repair or replacement.
Socket does not attach/release easily.	Debris in drive; Release button stuck.	Clean the square drive and socket; Ensure the push-button moves freely.

If the problem persists after attempting these solutions, please contact eTORK customer support.

Specifications

Attribute	Value
Brand	eTORK
Model Number	MC150
Drive Size	1/4-Inch
Torque Range	5-50 in.-lb. / 0.6-5.6 N.m
Accuracy	±4%
Material	Alloy Steel
Item Length	8.5 Inches
Item Weight	15.2 ounces
Operation Mode	Manual
Included Components	Protective Carrying Case, Calibration Certificate, Instruction Booklet

Warranty and Support

Warranty Information

The eTORK 1/4 Inch Torque Wrench comes with a Lifetime Personal Use Warranty. This warranty covers defects in materials and workmanship under normal personal use. Please refer to the warranty card included with your product for full terms and conditions.

Customer Support

For any questions, technical assistance, or warranty claims, please contact eTORK customer support. Have your model number (MC150) and serial number (found on the wrench and calibration certificate) ready when contacting support for

faster service.

You can find contact information on the eTORK official website or through the retailer where you purchased the product.

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.

Name

Anonymous

Email

you@example.com

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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