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OEMTOOLS 25687 Click Style Torque Wrench User Manual

Model: **25687** | Drive Size: **1/2 Inch** | Torque Range: **25-250 ft-lbs (33.90-337.60 Nm)**

INTRODUCTION

This manual provides essential instructions for the safe and effective use of your OEMTOOLS 25687 Click Style Torque Wrench. This precision tool is designed for accurate tightening of fasteners within a range of 25 to 250 foot-pounds (33.90 to 337.60 Newton-meters). Proper use ensures fasteners are tightened to manufacturer specifications, preventing under or over-torquing.



Image: The OEMTOOLS 25687 Click Style Torque Wrench, a 1/2-inch drive tool with a chrome finish.

SAFETY INFORMATION

- Always wear appropriate personal protective equipment, such as safety glasses, when using tools.
- Do not use the torque wrench as a breaker bar. This can damage the internal mechanism and affect accuracy.
- Ensure the fastener and socket are clean and free of debris before use.
- Store the torque wrench in its protective case when not in use to maintain calibration.
- Do not exceed the maximum torque rating of 250 ft-lbs (337.60 Nm).

SETUP AND TORQUE SETTING

The OEMTOOLS 25687 torque wrench features an easy-to-use twist handle for setting the desired torque value. It includes dual scales for both foot-pounds (ft-lb) and Newton-meters (Nm).

1. **Unlock the Handle:** Locate the locking collar at the base of the handle. Pull down the locking collar to unlock the handle for adjustment.

2. **Set Desired Torque:** Rotate the handle clockwise to increase the torque setting or counter-clockwise to decrease it. Align the desired torque value on the main scale with the zero mark on the micrometer scale. Then, rotate the handle further until the exact desired value on the micrometer scale aligns with the main scale line.
3. **Lock the Handle:** Push the locking collar back up to secure the handle in place. This prevents accidental changes to the torque setting during operation.

DUAL SCALE PRECISION

**FT-LB & N·M SCALES FOR
ACCURATE TORQUE SETTINGS**



EASY-READ SCALE

Image: A close-up view of the torque wrench handle showing the dual scale for foot-pounds and Newton-meters, designed for easy reading and precise setting.

OPERATING INSTRUCTIONS

Once the torque is set, the wrench is ready for use. It operates in both clockwise and counterclockwise directions.

1. **Attach Socket:** Select the correct size socket for your fastener and attach it firmly to the 1/2-inch drive head of the torque wrench.
2. **Position Wrench:** Place the socket onto the fastener. Ensure the wrench is positioned to allow for a smooth,

continuous pull.

3. **Apply Force:** Apply steady, increasing force to the handle. Do not jerk or apply sudden force.
4. **Listen for the Click:** Continue applying force until you hear and feel a distinct "click." This indicates that the preset torque value has been reached. Immediately stop applying force.
5. **Release Pressure:** Remove the wrench from the fastener.
6. **Important Note:** If using a 1/2-inch drive extension, be aware that the flex in the extension can alter the output torque. Account for this when setting your target torque.



Image: The torque wrench being used to tighten a fastener on an engine, demonstrating the "Set. Tighten. Click." operation.

HEAVY DUTY FASTENING

IDEAL FOR LUG NUTS, SUSPENSION COMPONENTS,
BRAKE SERVICE AND CHASSIS HARDWARE



Image: A torque wrench being used to tighten a lug nut on a vehicle wheel, illustrating its application for heavy-duty fastening tasks.

MAINTENANCE AND STORAGE

- **Cleaning:** After each use, wipe the torque wrench clean with a soft, dry cloth. Do not use solvents or harsh chemicals, as these can damage the finish or internal components.
- **Storage:** Always return the torque wrench to its lowest torque setting (25 ft-lbs) before storing. This relieves tension on the internal spring mechanism, helping to maintain accuracy over time.
- **Protective Case:** Store the wrench in its provided heavy-duty blow mold case. This case protects the tool from impacts, dust, and moisture, which are crucial for preserving its calibration and longevity.
- **Calibration:** Torque wrenches are precision instruments and should be periodically checked for calibration by a qualified service center, especially after heavy use or if dropped.

HEAVY-DUTY STORAGE CASE

PROTECTS CALIBRATION



Image: The OEMTOOLS torque wrench securely stored in its heavy-duty blow mold case, designed to protect its calibration.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Wrench does not click at set torque.	<ul style="list-style-type: none">• Torque setting too low for application.• Fastener already at or above set torque.• Wrench mechanism damaged or out of calibration.	<ul style="list-style-type: none">• Verify required torque specification.• Ensure fastener is loose before applying torque.• Do not use as a breaker bar. If suspected damage, seek professional calibration/repair.
Torque setting changes during use.	<ul style="list-style-type: none">• Locking collar not fully engaged.• Handle grip causing accidental rotation.	<ul style="list-style-type: none">• Ensure locking collar is pushed up firmly after setting torque.• Maintain a firm grip on the handle without rotating the adjustment mechanism.
Inaccurate torque readings.	<ul style="list-style-type: none">• Wrench is out of calibration.• Improper use (e.g., using as breaker bar, dropping).• Using extensions that affect torque.	<ul style="list-style-type: none">• Have the wrench professionally calibrated.• Always use the wrench as intended.• Factor in torque changes when using extensions.

SPECIFICATIONS

Feature	Detail
Model Number	25687
Drive Size	1/2 inch
Torque Range	25-250 ft-lbs (33.90-337.60 Nm)
Accuracy	+/- 4% (Clockwise and Counterclockwise)
Overall Length	21.75 inches (approximately 22 inches)
Ratchet Teeth	24-tooth
Material	Alloy Steel
Finish	Chrome, Powder Coated
Operation Mode	Mechanical
Measurement Standard	Metric, SAE
Included Components	1/2" Drive Torque Wrench, Blow Mold Case

OVERALL
LENGTH:
22"



WEIGHT:
3.45 LB.

Image: The torque wrench displaying its overall length of 22 inches and weight of 3.45 lbs.

PRECISION TORQUE CONTROL

***1/2"
DRIVE***

***25-250
FT-LB RANGE***

±4% ACCURACY
(CLOCKWISE AND COUNTERCLOCKWISE)



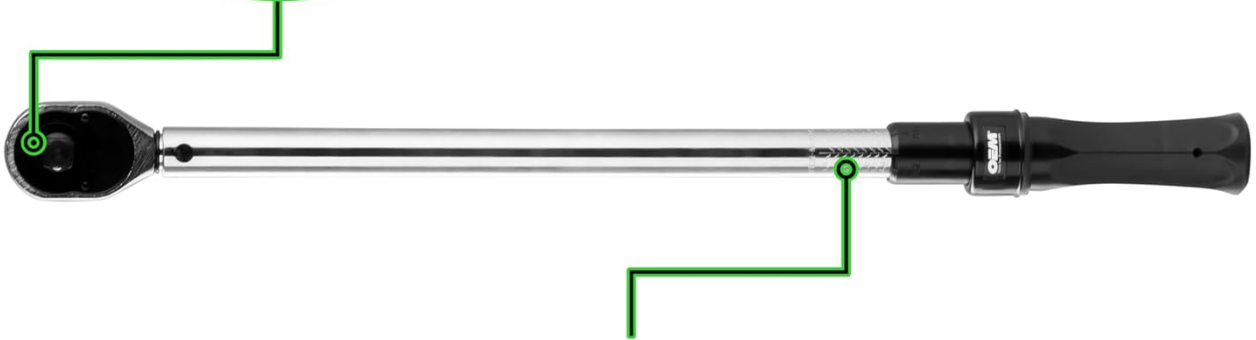
Image: Close-up of the torque wrench head, highlighting its 1/2-inch drive, 25-250 ft-lb range, and +/- 4% accuracy.

BUILT FOR CONTROL



24-TOOTH RATCHET

***CONTROLLED,
RELIABLE TURNS***



SPRING STEEL TORQUE MECHANISM

MAINTAINS ACCURACY OVER TIME

Image: Diagram of the torque wrench, detailing its 24-tooth ratchet for controlled turns and spring steel torque mechanism for maintained accuracy.

WARRANTY INFORMATION

The OEMTOOLS 25687 Click Style Torque Wrench is covered by an **OEMTOOLS 90 Day Warranty**. For specific terms and conditions, please refer to the warranty documentation included with your product or contact OEMTOOLS customer support.

SUPPORT AND CONTACT

For further assistance, technical support, or warranty claims, please contact OEMTOOLS customer service. You can find contact information on the OEMTOOLS official website or through the retailer where the product was purchased.

Manufacturer: OEMTOOLS

Model Number: 25687

UPC: 076812256874