Husky 123ABC

HUSKY 1/4" Drive Torque Wrench User Manual

Model: 123ABC

Introduction Safety Overview Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

This manual provides instructions for the proper use and maintenance of your HUSKY 1/4" Drive Torque Wrench. This tool is designed for precision torque applications, covering a range of 40-200 inch-pounds. It is suitable for tasks requiring accurate fastener tightening, such as work on small engines, motorcycles, and electronics. Please read this manual thoroughly before operating the tool to ensure safe and effective use.

2. Safety Information

Always observe basic safety precautions when using any hand tool. Failure to do so may result in injury or damage to the tool or workpiece.

- **Read Instructions:** Understand all instructions and warnings before use.
- **Eye Protection:** Always wear ANSI-approved safety goggles.
- **Proper Use:** Use the torque wrench only for its intended purpose of applying specific torque to fasteners. Do not use it as a standard ratchet or for breaking loose seized fasteners.
- **Cleanliness:** Keep the tool clean and free of oil or grease to maintain a secure grip.
- **Storage:** Store the torque wrench in a clean, dry place, and always return the torque setting to its lowest value (but not below) before storage to relieve spring tension.
- **Calibration:** Torque wrenches are precision instruments. They should be calibrated periodically to ensure accuracy.
- **Over-Torquing:** Never exceed the maximum torque capacity of the wrench.

3. Product Overview

The HUSKY 1/4" Drive Torque Wrench is a click-type torque wrench designed for accurate fastener tightening. It features a durable chrome vanadium steel construction and an easy-to-read scale for setting desired torque values.

Figure 1: The HUSKY 1/4" Drive Torque Wrench, showing its full length and drive head.

Figure 2: A close-up view of the torque adjustment collar and scale markings on the wrench handle.

4. Setup

Before using your torque wrench, ensure it is clean and in good working condition. No assembly is required for this tool.

4.1 Setting the Torque Value

1. **Unlock the Handle:** Locate the locking mechanism at the base of the handle. Rotate it counter-clockwise to unlock the handle for adjustment.
2. **Adjust the Main Scale:** Rotate the handle to align the desired major torque value (e.g., 50 in. lbs) with the center line on the main scale.
3. **Adjust the Micrometer Scale:** Continue rotating the handle until the desired minor torque value (e.g., 5 in. lbs) on the micrometer scale aligns with the center line. For example, to set 55 in. lbs, set the main scale to 50 and the micrometer scale to 5.
4. **Lock the Handle:** Rotate the locking mechanism clockwise until it is securely tightened. This prevents

accidental changes to the torque setting during use.

Note: Always ensure the torque setting is locked before applying torque.

5. Operating Instructions

Follow these steps for accurate torque application:

1. **Select Socket:** Attach the appropriate 1/4" drive socket or adapter to the square drive head of the torque wrench.
2. **Position Wrench:** Place the socket onto the fastener you intend to tighten. Ensure the wrench is positioned so you can pull or push smoothly.
3. **Apply Torque:** Apply steady, increasing force to the handle in the tightening direction. Do not jerk or apply sudden force.
4. **Listen for Click:** Continue applying force until you hear and feel a distinct "click" from the wrench. This indicates that the preset torque value has been reached.
5. **Stop Force:** Immediately stop applying force once the click is heard/felt. Further tightening will result in over-torquing.
6. **Remove Wrench:** Remove the wrench from the fastener.

Important: For critical applications, it is recommended to tighten the fastener to the specified torque in two stages: first to approximately 50% of the final torque, then to the full specified torque.

6. Maintenance

Proper maintenance will extend the life and accuracy of your torque wrench.

- **Cleaning:** Wipe the wrench clean with a soft, dry cloth after each use. Do not use harsh chemicals or solvents, as they may damage the finish or internal components.
- **Storage:** Store the torque wrench in its protective case (if provided) or a clean, dry environment. Always reset the torque setting to the lowest value (but not below) before storage to relieve tension on the internal spring mechanism. This helps maintain calibration accuracy over time.
- **Lubrication:** The internal mechanism is factory lubricated and generally does not require user lubrication. Do not attempt to lubricate the internal components unless specifically instructed by the manufacturer.
- **Calibration:** Torque wrenches are precision measuring tools. Their accuracy can drift over time with use. It is recommended to have your torque wrench professionally calibrated annually or after significant impact or misuse.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Wrench does not click	Torque setting too low; Wrench not pulled smoothly; Fastener already tight	Ensure torque is set correctly; Apply steady, increasing force; Check if fastener is already at desired torque.
Inaccurate torque readings	Improper technique; Wrench out of calibration; Damage to internal mechanism	Review operating instructions; Have wrench professionally calibrated; Inspect for damage.

Problem	Possible Cause	Solution
Handle difficult to adjust	Locking mechanism engaged; Dirt or debris in threads	Ensure locking mechanism is fully disengaged; Clean threads carefully.

8. Specifications

Feature	Detail
Model Number	123ABC
Drive Size	1/4 inch
Torque Range	40-200 inch-pounds (in. lbs)
Material	Chrome Vanadium Steel
Product Dimensions	11.5 x 5.98 x 1.69 inches
Item Weight	1.3 Pounds
Color	Black
Head Style	Box End, Fixed Square

9. Warranty and Support

This product is a refurbished item, tested and certified to look and work like new. The refurbishing process includes functionality testing, basic cleaning, inspection, and repackaging. It ships with all relevant accessories.
For specific warranty details or technical support, please refer to the documentation provided with your purchase or visit the official Husky Tools website. Warranty terms may vary for refurbished products. Keep your proof of purchase for any warranty claims.

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