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Greenlee 0153-46T

Greenlee 0153-46T Torque Screw Driver User Manual

Model: 0153-46T | Brand: Greenlee

Introduction	Safety Information	Product Overview	Setup	Operating Instructions	Maintenance
	Troubleshooting	Specifications		Warranty & Support	

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of the Greenlee 0153-46T Torque Screw Driver. This precision tool is designed to ensure electrical connections are tightened to the correct torque rating, complying with the 2017 National Electric Code (NEC 110.14D). Proper use of this device enhances safety and ensures reliable electrical installations.

2. SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating the torque screw driver. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

- **Personal Protective Equipment:** Always wear appropriate personal protective equipment, such as safety glasses, when working with tools.
- **Tool Condition:** Inspect the tool and bits for any damage before each use. Do not use if damaged.
- **Correct Application:** Use the torque driver only for its intended purpose of tightening electrical connections to specified torque values.
- **Torque Settings:** Ensure the correct torque setting is selected for the specific application to prevent overtightening or undertightening.
- **Storage:** Store the tool and its accessories in the provided case in a dry, secure location away from children and unauthorized users.
- **Electrical Safety:** When working on electrical systems, always ensure power is disconnected and verified before beginning work.

3. PRODUCT OVERVIEW

The Greenlee 0153-46T Torque Screw Driver is a robust tool designed for precise torque application. It comes with a comprehensive set of bits and a durable carrying case for convenience and protection.

3.1 Components

- Greenlee 0153-46T Torque Screw Driver
- 12 Driver Bits (various types and sizes)
- 7 Nut Drivers (various sizes)
- Durable, Compact Carrying Case

3.2 Product Features

- Adjustable torque mechanism for precise tightening.
- Ensures compliance with the 2017 National Electric Code (NEC 110.14D).
- Ergonomic design for comfortable use.
- Includes a wide range of bits for various applications.
- Protective case for organized storage and transport.

3.3 Visual Reference



Figure 1: The Greenlee 0153-46T Torque Screw Driver. This image shows the main body of the torque driver, highlighting its green and black color scheme and the visible torque setting window.



Figure 2: Hands adjusting the torque setting on the Greenlee 0153-46T. This image illustrates the bottom adjustment dial and the torque scale on the side of the tool, demonstrating how users interact with the device to set the desired torque.

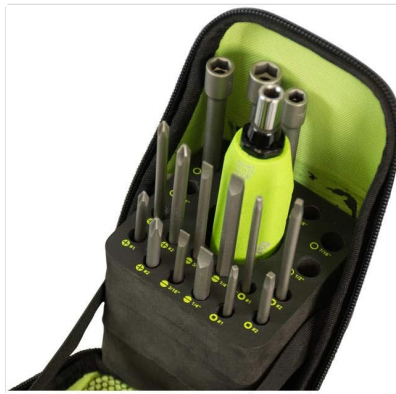


Figure 3: The Greenlee 0153-46T Torque Screw Driver with its included 19-piece bit set and carrying case. This image displays the organized storage of various driver bits and nut drivers within the compact, durable case, alongside the torque driver itself.

4. SETUP

Before first use, ensure all components are present and undamaged.

1. **Unpack:** Carefully remove the torque screw driver and all accessories from the carrying case.
2. **Inspect:** Visually inspect the torque driver, bits, and case for any signs of shipping damage or manufacturing defects. If any damage is found, do not use the tool and contact customer support.
3. **Familiarize:** Become familiar with the various parts of the torque driver, including the bit holder, torque adjustment mechanism, and the torque scale.

5. OPERATING INSTRUCTIONS

Follow these steps to correctly use your Greenlee 0153-46T Torque Screw Driver:

1. **Select the Correct Bit:** Choose the appropriate driver bit or nut driver from the included set that matches the fastener you intend to tighten.
2. **Insert the Bit:** Insert the selected bit firmly into the bit holder of the torque driver. Ensure it is fully seated and secure.

3. Set the Torque Value:

- Locate the torque adjustment dial at the base of the handle.
- Rotate the dial to align the desired torque value (in inch-pounds, IN.LB.) with the indicator mark on the tool body. Refer to the specific torque requirements for your application, typically found in equipment manuals or electrical codes (e.g., NEC 110.14D).
- The torque scale is visible through a window on the side of the tool.

4. Apply Torque:

- Place the bit onto the fastener head.
- Apply steady, even pressure and rotate the handle clockwise to tighten the fastener.
- Continue turning until the torque driver "clicks" or "breaks" indicating that the preset torque value has been reached. This click is an audible and tactile signal.
- Do not continue to turn the driver after the click, as this will overtighten the fastener.

5. **Remove the Tool:** Once the click is felt, remove the torque driver from the fastener.

6. **Store:** After use, remove the bit and store the torque driver and all bits back in their designated slots within the carrying case.

Note: Regular calibration checks are recommended for precision torque tools to ensure continued accuracy. Consult a qualified service center for calibration services.

6. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your torque screw driver.

- **Cleaning:** Wipe the tool clean with a dry, soft cloth after each use. Do not use abrasive cleaners or solvents that could damage the finish or internal mechanisms.
- **Storage:** Always store the torque driver and bits in the provided protective case when not in use. This protects them from dust, moisture, and physical damage.
- **Avoid Over-Torquing:** Never exceed the maximum torque rating of the tool, as this can damage the internal mechanism and affect calibration.
- **Calibration:** Torque tools require periodic calibration to maintain accuracy. The frequency depends on usage, but annual calibration is generally recommended for professional use. Contact Greenlee customer support or an authorized calibration service.
- **Bit Condition:** Regularly inspect bits for wear or damage. Replace worn or damaged bits to ensure proper engagement with fasteners and prevent stripping.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your torque screw driver.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Tool does not click at set torque.	Torque setting too high for application. Tool is damaged or out of calibration. Improper technique (e.g., not applying steady pressure).	Verify the required torque value and adjust the tool accordingly. Stop use and contact customer support for inspection/calibration. Ensure steady, even pressure is applied during rotation.
Bits slip or strip fasteners.	Incorrect bit size or type for fastener. Worn or damaged bit. Fastener head is stripped.	Select the correct bit that fits snugly into the fastener head. Replace the worn or damaged bit. Replace the fastener if its head is stripped.
Torque setting is difficult to adjust.	Dirt or debris in the adjustment mechanism. Internal mechanism issue.	Clean the adjustment dial area. Contact customer support for assistance.

If the problem persists after attempting these solutions, contact Greenlee customer support for further assistance.

8. SPECIFICATIONS

Key technical specifications for the Greenlee 0153-46T Torque Screw Driver:

Attribute	Detail
Brand	Greenlee
Model Name	Torque Screw Driver
Part Number	0153-46T
Head Style	Hex
Head Size	1/4 inch
Color	Green and Black
Item Dimensions (L x W x H)	12 x 6 x 6 inches
Item Weight	2.98 Pounds
Number of Pieces	19 (including driver)
Included Components	12 driver bits, 7 nut drivers, and a durable, compact carrying case.
Power Source	Hand Powered
Measurement System	Metric (though torque is IN.LB.)
UPC	783310083603
Date First Available	January 25, 2019

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Greenlee 0153-46T Torque Screw Driver comes with a **Limited Lifetime Warranty**. This warranty covers defects in material and workmanship under normal use. For specific terms and conditions, please refer to the official Greenlee warranty policy or contact Greenlee customer support.

Note: The warranty typically does not cover damage resulting from misuse, abuse, alteration, or normal wear and tear, including the need for periodic calibration.

9.2 Customer Support

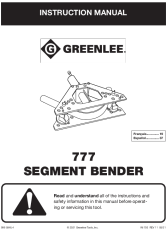


For technical assistance, warranty claims, or to inquire about calibration services, please contact Greenlee customer support. You can typically find contact information (phone number, email, or website) on the official Greenlee website or on the product packaging.






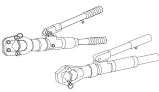


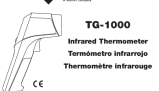

Online Resources: Visit the official Greenlee website for product information, FAQs, and additional support resources. www.greenlee.com



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Related Documents - 0153-46T

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	<p>Greenlee TG-1000 Infrared Thermometer Instruction Manual</p> <p>Comprehensive instruction manual for the Greenlee TG-1000 Infrared Thermometer. Learn about its features, safe operation, maintenance, and troubleshooting for accurate non-contact temperature measurements in various applications.</p>
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