Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

STANLEY STMT74860

STANLEY STMT74860 1/4" Drive Mechanics Tool Set, 41 Piece - User Manual

Model: STMT74860 | Brand: STANLEY

1. Introduction

This user manual provides comprehensive instructions for the proper use, care, and maintenance of your STANLEY STMT74860 1/4" Drive Mechanics Tool Set. This 41-piece set is designed for various mechanical tasks, offering durability and precision. Please read this manual thoroughly before using the tools to ensure safe and effective operation.

2. Product Overview

The STANLEY STMT74860 Mechanics Tool Set includes a variety of essential tools housed in a durable, organized case. Key components are designed for efficiency and reliability.



Figure 2.1: The STANLEY STMT74860 41-piece mechanics tool set displayed open in its protective carrying case, showing the organized layout of sockets, bits, ratchet, and spinner handle.

2.1 Components Included:

- **1/4" Drive Pear Head Ratchet:** Features a 54-tooth mechanism for fine adjustments and durability.
- **1/4" Drive Spinner Handle:** For manual turning of sockets and bits.
- **1/4" Drive Bit Adapter:** Allows the use of specialty bits with the ratchet or spinner handle.
- **1/4" Drive 12 Point Sockets - SAE:** Sizes 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 1/2".
- **1/4" Drive 12 Point Sockets - MM:** Sizes 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm.
- **20 Specialty Bits:** Various types for diverse fastening needs.
- **Durable Carrying Case:** Organizes and protects all components, with labeled layout for easy identification.



Figure 2.2: The STANLEY STMT74860 mechanics tool set in its closed, black carrying case, featuring the STANLEY logo and product details on a yellow label, highlighting its portability and storage design.

3. Setup

Your STANLEY STMT74860 tool set comes pre-organized in its durable carrying case. No assembly is required for the tools themselves.

1. **Unpack:** Carefully remove the tool set from its packaging.
2. **Open Case:** Unlatch the clasps on the carrying case and open it to reveal the tools.
3. **Inspect:** Before first use, inspect all tools for any signs of damage or manufacturing defects. If any issues are found, refer to the warranty section.
4. **Familiarize:** Take a moment to familiarize yourself with the layout and identification of each tool within the case. The labeled layout assists in quick selection and proper storage.

4. Operating Instructions

Always ensure you select the correct tool and size for the task to prevent damage to the fastener or the tool.

4.1 Using the Ratchet and Sockets:

1. **Select Socket:** Choose the appropriate SAE or Metric 12-point socket that matches the size of the fastener. The 12-point design provides added fit and torque.
2. **Attach Socket:** Press the socket firmly onto the square drive of the 1/4" Pear Head Ratchet. Ensure it clicks securely into place.
3. **Direction Control:** Use the directional switch on the ratchet head to select tightening (clockwise) or loosening (counter-clockwise) action.
4. **Apply Torque:** Place the socket onto the fastener. Apply steady, even pressure to the ratchet handle to turn the fastener. The 54-tooth mechanism allows for smaller swing arcs, useful in confined spaces.

5. **Remove Socket:** To remove the socket, press the quick-release button (if present) on the ratchet head and pull the socket off.

4.2 Using the Spinner Handle:

The spinner handle is ideal for quickly turning fasteners once they have been broken loose or before they are fully tightened, where high torque is not required.

1. **Attach Socket/Bit Adapter:** Press the desired socket or the bit adapter onto the square drive of the spinner handle.
2. **Attach Bit (if using adapter):** Insert a specialty bit into the bit adapter.
3. **Turn Fastener:** Place the tool onto the fastener and rotate the handle manually.

4.3 Using Specialty Bits:

The 20 specialty bits can be used with the 1/4" Drive Bit Adapter, which then attaches to either the ratchet or the spinner handle.

1. **Insert Bit:** Place the desired specialty bit into the 1/4" Drive Bit Adapter.
2. **Attach Adapter:** Connect the bit adapter (with bit) to the ratchet or spinner handle.
3. **Operate:** Use as described for the ratchet or spinner handle.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your STANLEY tools.

- **Cleaning:** After each use, wipe down tools with a clean, dry cloth to remove dirt, grease, and moisture. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
- **Lubrication:** Periodically, apply a light coat of machine oil to the moving parts of the ratchet mechanism to ensure smooth operation. Avoid over-lubrication.
- **Storage:** Always store the tools in their original carrying case. This protects them from damage, keeps them organized, and prevents loss. Store the case in a dry environment to prevent rust.
- **Inspection:** Regularly inspect tools for wear, damage, or corrosion. Replace any damaged tools immediately to ensure safety and effectiveness.

6. Troubleshooting

Most issues with hand tools can be resolved with proper selection and maintenance.

- **Socket Slipping:** Ensure the correct size socket is used for the fastener. A loose fit can cause stripping of the fastener or damage to the socket.
- **Ratchet Not Engaging:** Check the directional switch on the ratchet head. Ensure it is fully engaged in either the tightening or loosening position. If the mechanism feels stiff, a light lubrication may be needed (refer to Maintenance).
- **Difficulty Attaching/Removing Sockets:** Ensure the square drive and socket opening are clean and free of debris. For quick-release ratchets, ensure the button is fully depressed.
- **Rust/Corrosion:** This typically indicates improper storage. Ensure tools are clean and dry before storing them in a dry environment. Light rust can often be removed with a wire brush and penetrating oil, followed by lubrication.

7. Specifications

Detailed specifications for the STANLEY STMT74860 1/4" Drive Mechanics Tool Set.

Feature	Detail

Feature	Detail
Model Number	STMT74860
Brand	STANLEY
Number of Pieces	41
Drive Size	1/4 inch
Ratchet Head Style	Pear Head
Ratchet Teeth Count	54
Socket Type	12 Point
Measurement Standard	SAE and Metric
Material	Chrome Vanadium Forged Body (sockets)
Compliance	Meets or Exceeds ANSI specifications
Item Weight	2.2 pounds
Item Length	9.8 inches
UPC	076174748604

8. Warranty and Support

STANLEY stands behind the quality of its products.

8.1 Limited Lifetime Warranty:

This STANLEY STMT74860 Mechanics Tool Set is backed by a limited lifetime warranty. This warranty covers defects in material and workmanship. For specific terms, conditions, and how to make a claim, please refer to the official STANLEY warranty documentation or contact STANLEY customer support.

8.2 Customer Support:

For further assistance, technical support, or warranty inquiries, please visit the official STANLEY website or contact their customer service department.
Visit the Official STANLEY Store on Amazon

© 2023 STANLEY. All rights reserved. This manual is for informational purposes only.

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.

Submit question

Open the live page

https://manuals.plus/asin/B0199R9DLG

More documents and user manuals: **https://manuals.plus/**