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› MrToNo 42-in-1 Magnetic Screwdriver Set Instruction Manual

MrToNo 42-in-1driver bits

MrToNo 42-in-1 Magnetic Screwdriver Set

Instruction Manual

1. PRODUCT OVERVIEW

The MrToNo 42-in-1 Magnetic Screwdriver Set is a versatile and durable tool kit designed for a wide range of repair and assembly tasks. It includes a modular T-handle ratcheting screwdriver and 40 high-strength S2 alloy steel bits, suitable for home, work, DIY projects, and professional applications.



Figure 1.1: Overview of the MrToNo 42-in-1 Magnetic Screwdriver Set, showcasing the organized layout of bits and the modular handle within its compact storage case.

This set is engineered for precision and ease of use, featuring magnetic bits for secure screw retention and a ratcheting mechanism to reduce effort during operation. The bits are constructed from S2 CR-MO steel, ensuring durability and resistance to wear.

42-IN-1 MULTI-PURPOSE MAGNETIC RATCHET SCREWDRIVER SET

-  S2 Cr-Mo Steel Bits
-  6.2° Ratchet Design
-  Magnetic Retention
-  All-in-One Functionality



Figure 1.2: Key features of the screwdriver set, including the S2 Cr-Mo steel bits, 6.2-degree ratchet design, magnetic retention, and all-in-one functionality.

2. PACKING LIST

Upon opening the product packaging, please verify that all components listed below are present and in good condition.

- 1 x Modular Magnetic Screwdriver Handle
- 1 x User Manual (this document)
- 8 x S2 Cr-Mo Long Bits (45mm)
- 32 x S2 Cr-Mo Short Bits (25mm)
- 1 x Screwdriver Toolbox (Storage Case)

SMALL ITEM REPAIR



Figure 2.1: Visual representation of the contents included in the MrToNo 42-in-1 Magnetic Screwdriver Set package, along with the dimensions of the storage case.

3. SETUP AND ASSEMBLY

The MrToNo screwdriver features a modular design, allowing for flexible configurations to suit various tasks and tight spaces.

3.1 Assembling the Handle

The ergonomic aluminum T-handle can be assembled in multiple ways:

1. **Standard T-Handle:** Attach the two handle extensions (2) to the central ratcheting mechanism (1). Insert the bit holder (3) into the central mechanism.
2. **Straight Handle:** Attach one handle extension (2) directly to the bit holder (3) for a straight screwdriver configuration.
3. **Extended T-Handle:** Combine the central mechanism, handle extensions, and bit holder with additional extensions for increased reach.



Figure 3.1: Different assembly configurations of the modular handle, demonstrating its flexibility for various repair needs.

3.2 Inserting Screwdriver Bits

Select the appropriate bit for your task. The bits are color-coded for easy identification. Insert the bit firmly into the magnetic bit holder at the end of the handle assembly. The magnetic tip will securely hold the bit in place.



Figure 3.2: The color-coded rings on the screwdriver bits facilitate quick and organized identification and retrieval.

4. OPERATING INSTRUCTIONS

4.1 Using the Ratcheting Mechanism

The handle features a 58-tooth ratchet structure with a 6.2-degree swing arc. This allows for smooth, one-directional rotation, significantly reducing the effort required to tighten or loosen screws.

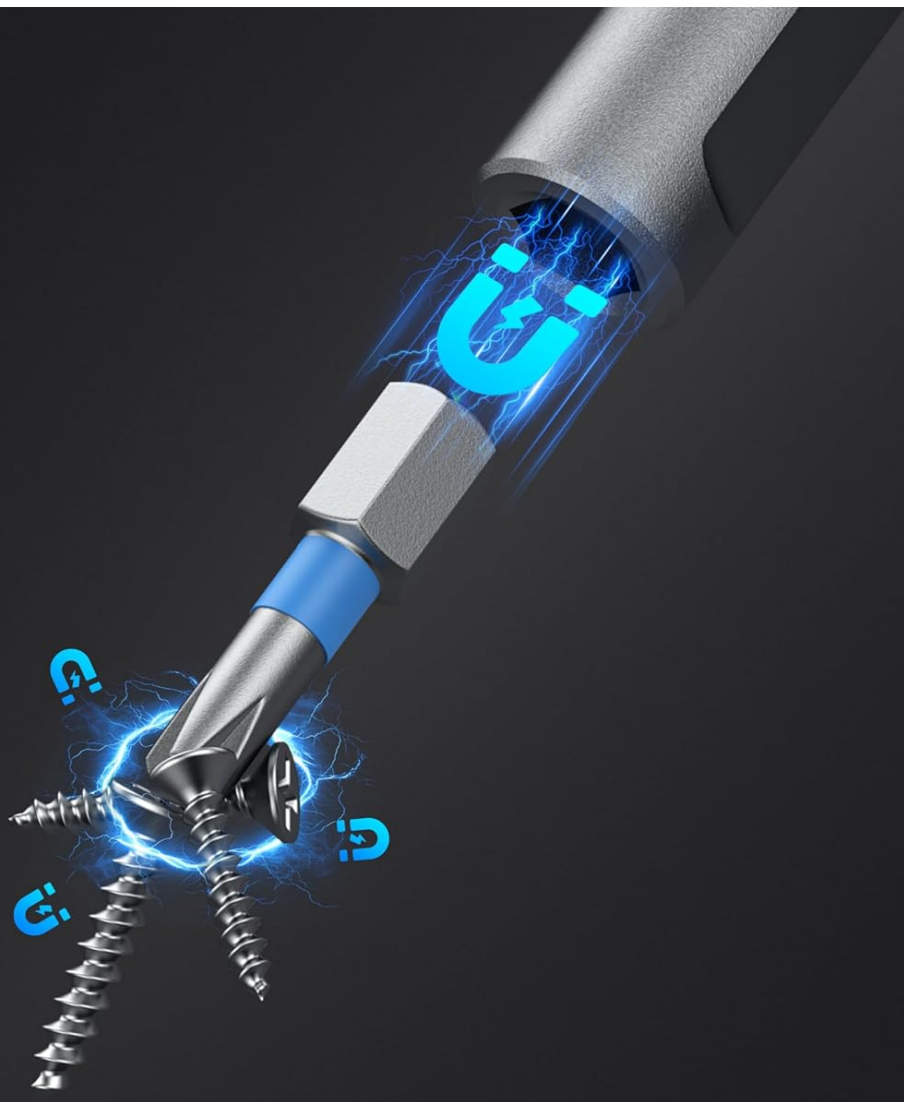
- Locate the ratchet toggle switch on the central mechanism of the handle.
- Toggle the switch to select the desired direction: clockwise for tightening, counter-clockwise for loosening, or locked for fixed operation.
- Apply pressure and rotate the handle. The ratchet will engage, allowing you to turn the screw without repositioning your grip.



Figure 4.1: The ratcheting mechanism, demonstrating its 6.2-degree swing arc and 58-tooth gear for efficient operation.

4.2 Magnetic Adsorption

Each screwdriver bit is magnetized to securely hold screws, preventing accidental drops and improving precision during use.



STRONG MAGNETIC ADSORPTION

Figure 4.2: The strong magnetic adsorption feature ensures screws are securely held by the bit, enhancing precision and preventing loss.

4.3 Application Examples

The 42-in-1 set is suitable for a variety of applications, including but not limited to:

- Bicycle Repair
- Precision Repair (e.g., electronics, eyeglasses)
- Furniture Assembly and Repair
- General DIY projects

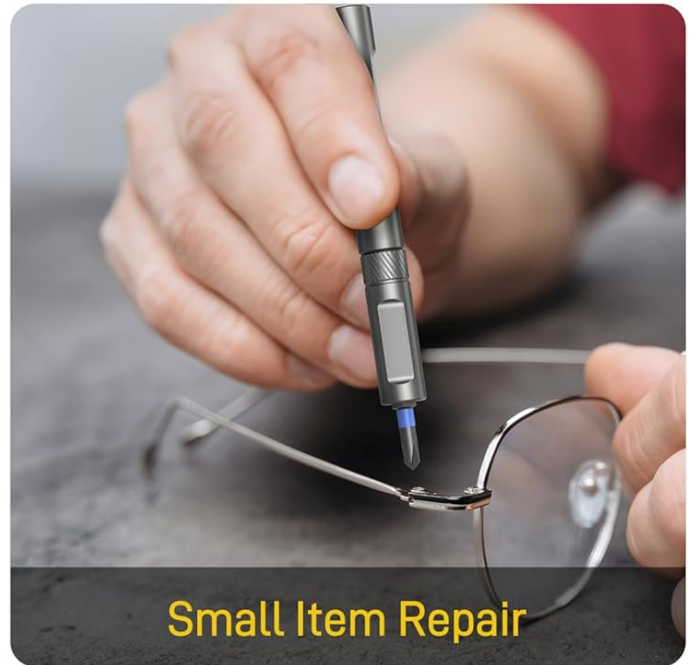
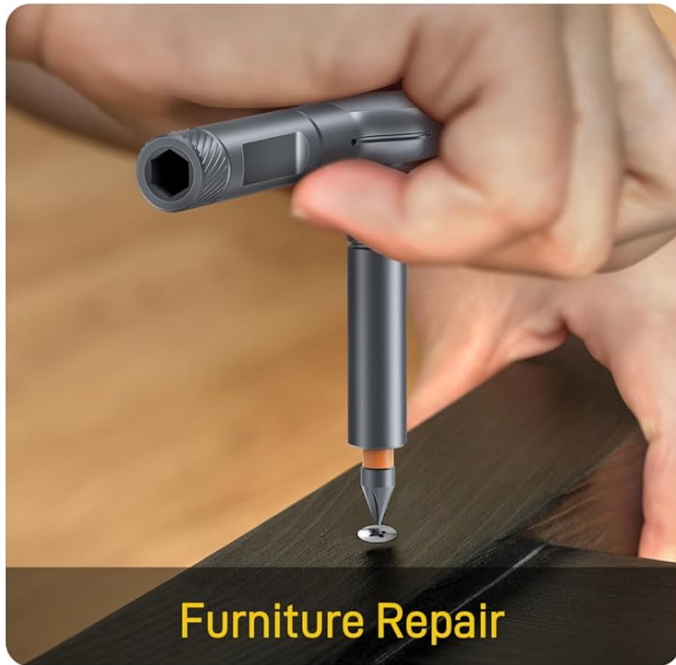
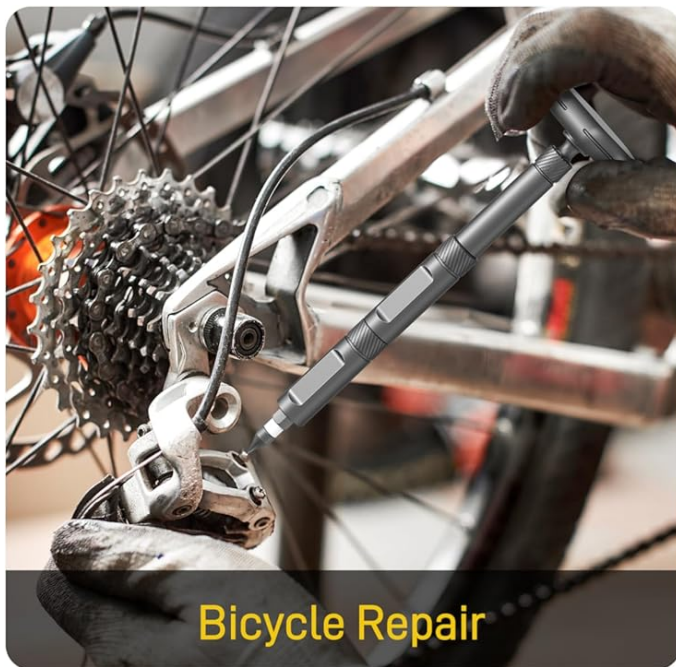


Figure 4.3: Examples of common applications for the screwdriver set, demonstrating its versatility across different repair scenarios.

5. MAINTENANCE

5.1 Recharging Bit Magnetism

The storage case includes a built-in magnetization chamber. If the magnetism of a bit weakens over time, insert the bit into this chamber to recharge its magnetic properties, ensuring long-lasting grip strength.

MAGNETIZING SLOT

Allowing For The Magnetic Enhancement Of Weakened Bits At Any Time.



Figure 5.1: The magnetizing slot integrated into the storage case, allowing for convenient re-magnetization of bits.

5.2 Cleaning and Storage

- After each use, wipe down the handle and bits with a clean, dry cloth to remove any dirt, grease, or debris.
- Ensure all components are dry before storing them in the compact case.
- Store the set in a cool, dry place away from direct sunlight and extreme temperatures to prevent material degradation.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your screwdriver set.

6.1 Bit Not Holding Screws Securely

- **Issue:** The screwdriver bit does not hold screws firmly.
- **Solution:** The bit's magnetism may have weakened. Use the built-in magnetization chamber in the storage case to recharge the bit. Ensure the bit is fully inserted into the magnetizer for optimal effect.

6.2 Ratchet Mechanism Not Engaging Smoothly

- **Issue:** The ratcheting action feels stiff or does not engage properly.
- **Solution:** Check for any debris or foreign objects obstructing the ratchet mechanism. Clean the area around the toggle switch and the rotating parts. If the issue persists, ensure the handle components are correctly assembled and securely tightened.

6.3 Bits Appearing Worn or Damaged

- **Issue:** Screwdriver bits show signs of wear, stripping, or damage.
- **Solution:** Ensure you are using the correct bit size and type for the fastener. Applying excessive torque or using an ill-fitting bit can cause damage. While the bits are made of durable S2 alloy steel, they are subject to wear over time with heavy use. Replace damaged bits as necessary.

7. SPECIFICATIONS

Feature	Detail
Brand	MrToNo
Model Name	Driver bits
Item Model Number	42-in-1 driver bits
Number of Items	40 (total bits)
Head Style	Multi Bits (PH, SL, Torx, Hex, PZ, U-shape, etc.)
Bit Material	S2 Alloy Steel
Handle Material	Aluminum Alloy
Color	Grey
Ratcheting Mechanism	58-tooth gear, 6.2-degree swing arc
Special Features	Adjustable Torque (via user force), Corrosion Resistant, Interchangeable Bit, Lightweight, Magnetic Tip, Built-in Magnetizer
Item Weight	0.49 Kilograms (1.08 pounds)
Package Dimensions	6.73 x 3.82 x 1.77 inches
Batteries Required?	No

8. WARRANTY AND SUPPORT

Information regarding product warranty and customer support is not provided within this manual. For warranty details or technical assistance, please refer to the product packaging or contact MrToNo customer service directly through their official website or the retailer where the product was purchased.

