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› Ingco 13-in-1 Automatic Ratchet Screwdriver Set User Manual

Ingco AKISD1208-cb

Ingco 13-in-1 Automatic Ratchet Screwdriver Set User Manual

Model: AKISD1208-cb

Brand: Ingco

INTRODUCTION

This user manual provides detailed instructions for the safe and efficient operation and maintenance of your Ingco 13-in-1 Automatic Ratchet Screwdriver Set, model AKISD1208-cb. This versatile tool is designed for various applications, including home decoration, car repair, and industrial use. Please read this manual thoroughly before first use and keep it for future reference.

PRODUCT OVERVIEW

The Ingco 13-in-1 Ratchet Screwdriver Set features a high-torque CR-V ratchet, ensuring durability and long service life. Its magnetic head simplifies screw attraction, and the comfortable two-color foldable handle allows for increased torque and access to tight spaces. The convenient bit storage in the tail prevents loss of bits.



Figure 1: The Ingco 13-in-1 Ratchet Screwdriver Set, showing the main unit and the 12 included screwdriver bits.

FOLDABLE HANDLE USE IN TIGHT PLACES



Figure 2: The screwdriver handle can be folded for use in tight spaces, demonstrating its versatility.

HEAD WITH MAGNETIC



Figure 3: The magnetic head of the screwdriver securely holds screws, preventing them from falling during use.



Figure 4: The three-gear ratchet structure allows for forward, reverse, and locked positions, reducing hand fatigue.

PARAMETER INFORMATION

Material: **Cr-V**

13 in 1 ratchet screwdriver set

Includes.

1 piece ratchet handle with unique design

Folding handle, high quality ratchet

12 pcs 6.35 * 25mm screwdriver bits

Size: SL4, SL5, SL6, SL7, PH0, PH1, PH2, PH3,
PZ0, PZ1, PZ2, PZ3



Figure 5: The screwdriver features convenient bit storage within its tail, ensuring bits are always accessible and preventing loss.

CONVENIENT STORAGE



SL4,SL5,SL6,SL7



PH0, PH1,PH2,PH3



PZ0,PZ1,PZ2,PZ3

Figure 6: Detailed parameter information for the screwdriver set, including material, type, and bit sizes.

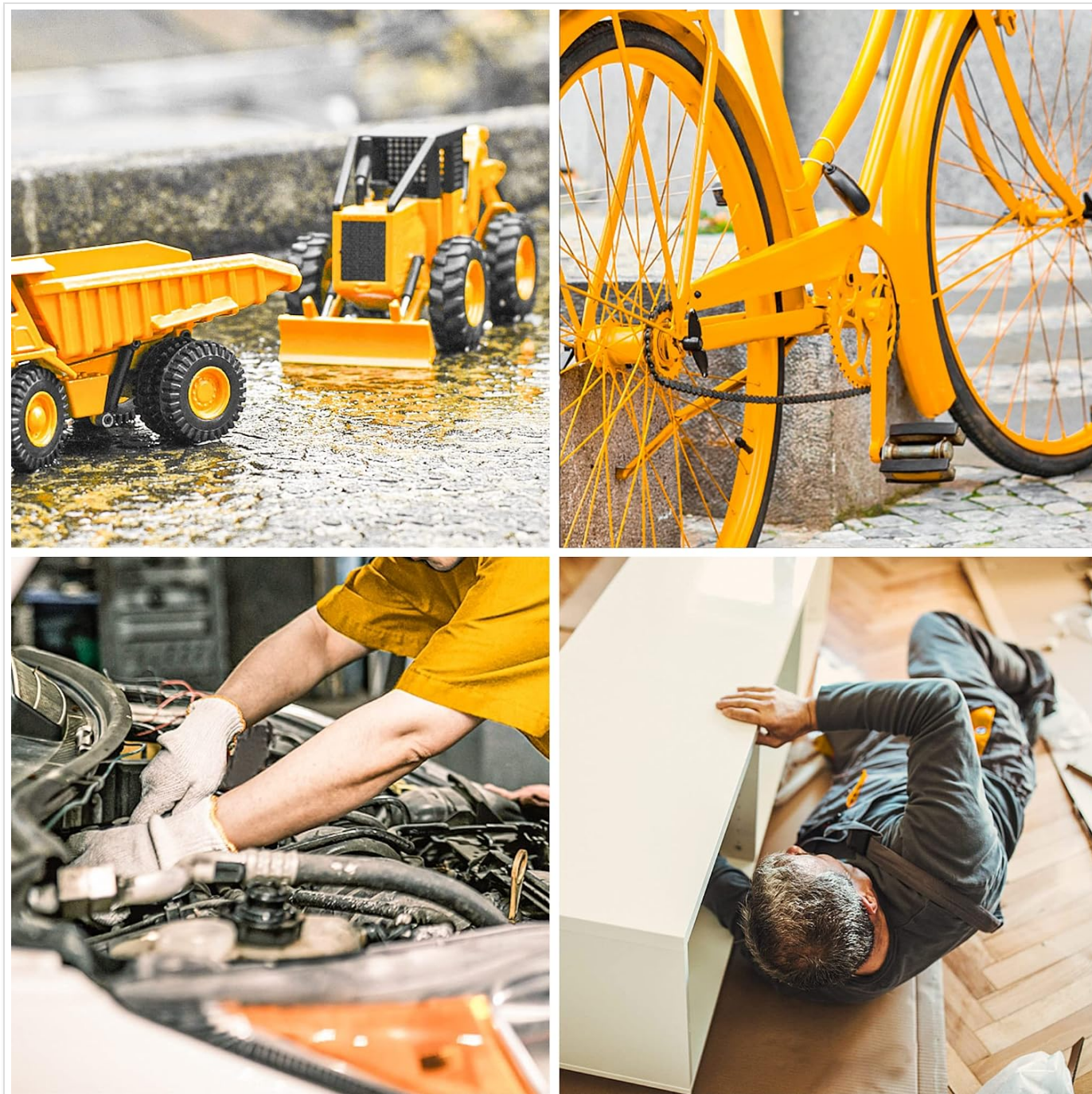


Figure 7: Examples of common applications for the screwdriver set, such as home repairs, bicycle maintenance, and automotive work.

SETUP

1. **Unpacking:** Carefully remove the screwdriver set from its packaging. Inspect all components for any signs of damage.
2. **Bit Selection:** Identify the appropriate screwdriver bit (e.g., Phillips, Flat, Pozi) for your task from the 12 included bits.
3. **Inserting a Bit:**
 - Locate the bit holder at the end of the screwdriver.
 - Push the desired bit firmly into the bit holder until it clicks into place. The magnetic tip will help secure the bit.
4. **Adjusting the Handle (Optional):** If working in a tight space, the handle can be folded. Gently pivot the handle at the joint until it reaches the desired angle.

OPERATING INSTRUCTIONS

Using the Ratchet Mechanism

The screwdriver features a three-gear ratchet structure for efficient operation and reduced hand fatigue. The selector switch is located near the bit holder.

- **Forward (Tightening):** Move the selector switch to the position that allows the handle to turn freely when rotating clockwise, but locks when rotating counter-clockwise. This is for tightening screws.
- **Reverse (Loosening):** Move the selector switch to the position that allows the handle to turn freely when rotating counter-clockwise, but locks when rotating clockwise. This is for loosening screws.
- **Locked (Fixed):** Move the selector switch to the center position. This locks the shaft, allowing the screwdriver to be used as a traditional fixed screwdriver for maximum torque or initial breaking of stubborn screws.

General Operation

1. Ensure the correct bit is securely inserted.
2. Select the desired ratchet direction (forward, reverse, or locked).
3. Place the bit onto the screw head, applying firm, steady pressure.
4. Rotate the handle in the desired direction. The ratchet mechanism will allow for continuous rotation without repositioning your hand.
5. When finished, remove the bit by pulling it firmly from the holder.

MAINTENANCE

- **Cleaning:** After each use, wipe down the screwdriver and bits with a clean, dry cloth to remove any dirt, dust, or debris. For stubborn grime, a slightly damp cloth can be used, followed by immediate drying.
- **Storage:** Store the screwdriver set in a dry place, away from direct sunlight and extreme temperatures. Utilize the integrated bit storage in the handle to keep bits organized and prevent loss.
- **Lubrication:** The internal ratchet mechanism is designed for long-term use and generally does not require lubrication. If the mechanism feels stiff, a small amount of light machine oil can be applied to the moving parts, but avoid over-lubrication.
- **Inspection:** Periodically inspect the bits for wear or damage. Replace worn or damaged bits to ensure optimal performance and prevent damage to screw heads. Check the handle and ratchet mechanism for any signs of looseness or damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Bit slips from screw head.	Incorrect bit size/type, worn bit, insufficient pressure.	Ensure correct bit is used. Replace worn bits. Apply firm, steady pressure.
Ratchet mechanism feels stiff or sticky.	Accumulated dirt, lack of lubrication.	Clean the mechanism. Apply a small amount of light machine oil if necessary.
Bits are difficult to insert or remove.	Dirt in bit holder, damaged bit holder.	Clean the bit holder. If damaged, contact customer support.
Handle does not fold smoothly.	Dirt in hinge, damaged hinge.	Clean the hinge area. Do not force the handle if it resists.

SPECIFICATIONS

- **Model:** AKISD1208-cb
- **Material:** CR-V Ratchet, Chrome Vanadium Magnetic Head, Plastic/Rubber Alloy Handle
- **Weight:** 219 grams
- **Dimensions:** 16.21 x 3.51 x 3.51 cm
- **Number of Bits:** 12 pieces
- **Bit Sizes:** SL4, SL5, SL6, SL7, PH0, PH1, PH2, PH3, PZ0, PZ1, PZ2, PZ3
- **Special Features:** Magnetic tip, Foldable handle, Three-gear ratchet mechanism, Integrated bit storage
- **Batteries Required:** No

WARRANTY AND SUPPORT

Ingco products are manufactured to high-quality standards. For warranty information or technical support, please refer to the warranty card included with your purchase or visit the official Ingco website. Please retain your proof of purchase for any warranty claims.

For further assistance, you may contact Ingco customer service through their official channels. Details can typically be found on the product packaging or the manufacturer's website.

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