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OEMTOOLS 25012

OEMTOOLS 25012 4-in-1 Combination Snap Ring Pliers Set

Model: 25012 | Brand: OEMTOOLS

Introduction

The OEMTOOLS 25012 4-in-1 Combination Snap Ring Pliers Set is engineered for efficient removal and installation of both internal and external snap rings. This versatile tool features a durable design with interchangeable jaw configurations, providing adaptability for various automotive and industrial applications. The ergonomic plastic-covered handles ensure a comfortable and secure grip during use.



Figure 1: The OEMTOOLS 25012 4-in-1 Combination Snap Ring Pliers Set, showcasing the main pliers body and the four interchangeable jaw heads.

Product Features

- **Versatile Functionality:** Designed to remove and install both internal and external snap rings.
- **Interchangeable Jaws:** Includes four distinct jaw configurations for diverse applications:
  - Two (2) Straight Jaws
  - One (1) 45-Degree Angled Jaw
  - One (1) 90-Degree Angled Jaw
- **Durable Construction:** Manufactured from high carbon steel and high-quality chrome vanadium steel for enhanced strength, durability, and corrosion resistance.

- **Secure Grip:** Features plastic-covered handles that provide a comfortable, non-slip grip, minimizing slippage during operation.
- **Aligned Points:** Hexagonal points are automatically aligned to prevent twisting during use.



Figure 2: A detailed view of the four interchangeable jaw heads included with the pliers set, showing the two straight, one 45-degree, and one 90-degree options.

Setup: Changing Jaw Configurations

The OEMTOOLS 25012 pliers allow for quick and easy changes between jaw configurations to suit different snap ring types and access requirements.

1. **Identify Current Jaw:** Determine which jaw configuration is currently installed and if it needs to be changed.
2. **Remove Pin:** Locate the small pin that secures the jaw head to the pliers body. Gently pull this pin out to release the current jaw.
3. **Select New Jaw:** Choose the appropriate jaw head (straight, 45-degree, or 90-degree) for your task.
4. **Orient Jaw:** The jaw heads can be installed in two orientations:

- For **internal** snap rings (which expand to remove), install the jaw so that squeezing the handles causes the tips to **close**.
- For **external** snap rings (which compress to remove), install the jaw so that squeezing the handles causes the tips to **open**.

5. **Insert Pin:** Align the new jaw head with the pliers body and re-insert the securing pin until it is fully seated.

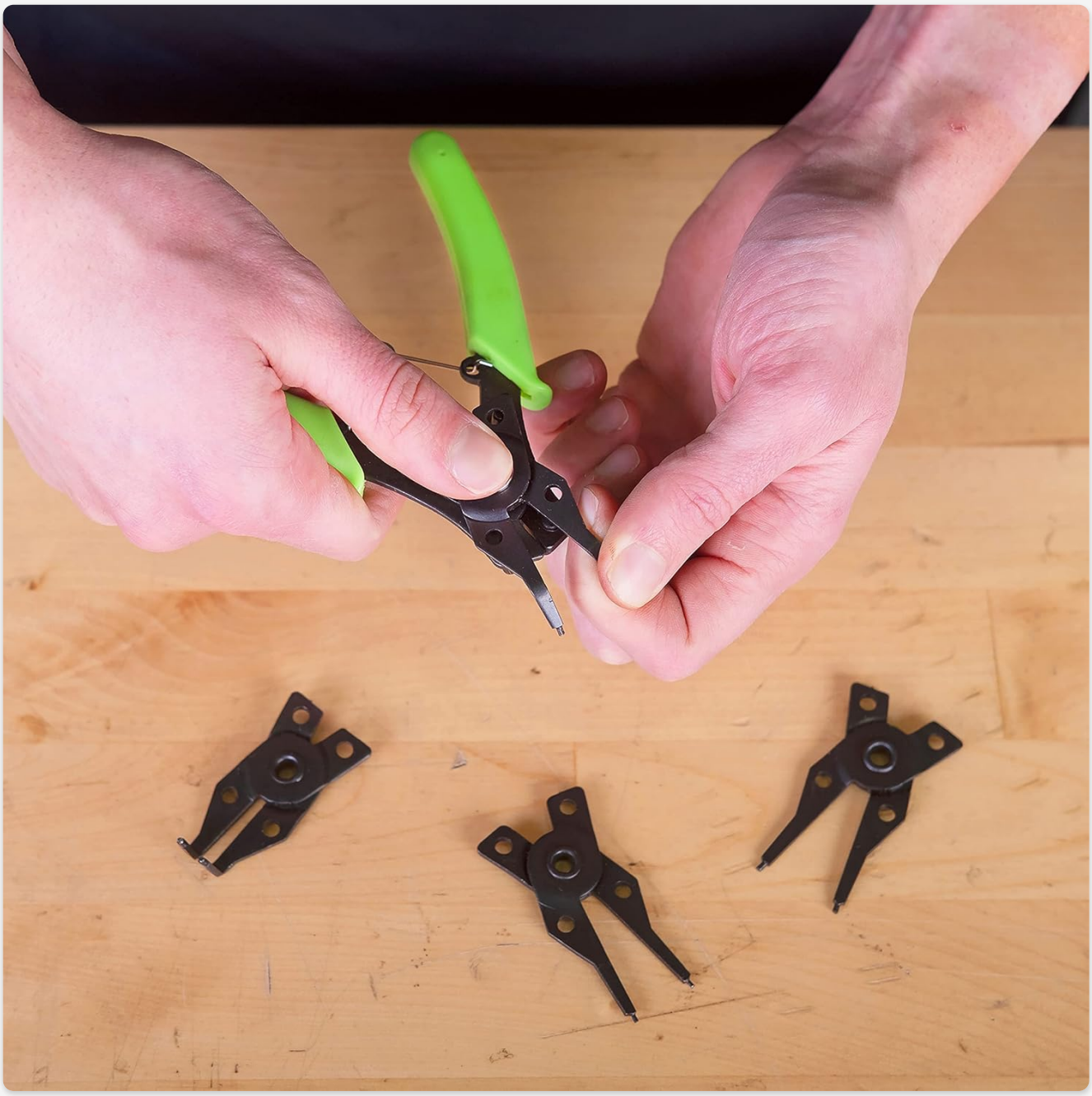


Figure 3: A user demonstrating the process of interchanging the jaw heads on the OEMTOOLS snap ring pliers, highlighting the ease of switching between different tip types.

Operating Instructions

Proper use of the snap ring pliers ensures safe and effective operation.

For Internal Snap Rings:

1. Ensure the jaw is oriented so that squeezing the handles causes the tips to**close**.
2. Insert the tips of the pliers into the holes of the internal snap ring.

3. Slowly squeeze the handles to compress the snap ring, allowing it to be removed from its groove.
4. To install, compress the snap ring with the pliers, position it into the groove, and release the handles to allow the ring to expand and seat securely.

For External Snap Rings:

1. Ensure the jaw is oriented so that squeezing the handles causes the tips to**open**.
2. Insert the tips of the pliers into the holes of the external snap ring.
3. Slowly squeeze the handles to expand the snap ring, allowing it to be removed from its shaft or groove.
4. To install, expand the snap ring with the pliers, position it over the shaft or into the groove, and release the handles to allow the ring to contract and seat securely.



Figure 4: The OEMTOOLS snap ring pliers in action, demonstrating the precise installation of a snap ring into a mechanical assembly.



Figure 5: The pliers effectively reaching and manipulating a snap ring in a confined space on a large gear, highlighting their utility in challenging access areas.

Maintenance

To ensure the longevity and optimal performance of your OEMTOOLS 25012 Snap Ring Pliers, follow these maintenance guidelines:

- **Cleaning:** After each use, wipe down the pliers with a clean, dry cloth to remove any dirt, grease, or debris.
- **Lubrication:** Periodically apply a light coat of machine oil to the pivot points and the interchangeable pin mechanism to ensure smooth operation and prevent rust.
- **Storage:** Store the pliers and all interchangeable jaw heads in a dry environment to prevent corrosion. Keep them organized to avoid loss of small components.
- **Inspection:** Regularly inspect the jaw heads for any signs of wear, bending, or damage. Replace worn or damaged components immediately to maintain precision and safety.

Troubleshooting

If you encounter issues while using your snap ring pliers, consider the following:

- **Difficulty Removing/Installing Snap Ring:**
  - Ensure you are using the correct jaw orientation (internal vs. external).
  - Verify that the correct jaw size and angle are selected for the snap ring.
  - Check if the snap ring is corroded or stuck; apply penetrating oil if necessary.
- **Tips Slipping from Snap Ring Holes:**
  - Confirm the tips are fully seated in the snap ring holes before applying pressure.
  - Inspect the tips for wear or damage; worn tips may not provide adequate grip.
  - Ensure the securing pin for the jaw head is fully engaged.
- **Pliers Stiff or Hard to Operate:**
  - Apply a small amount of machine oil to the pivot points and the interchangeable pin mechanism.
  - Clean any accumulated dirt or debris from the moving parts.

Specifications

Attribute	Detail
Brand	OEMTOOLS
Model Number	25012
Material	High Carbon Steel, Chrome Vanadium Steel, Plastic (handles)
Color	Multi (Colors May Vary)
Item Weight	0.8 ounces (approx. 22.68 g)
Product Dimensions	9.7 x 3.7 x 1.2 inches
Included Components	1 Pliers Body, 4 Interchangeable Jaw Configurations
Grip Type	Ergonomic
UPC	076812250124

Warranty & Support

The OEMTOOLS 25012 4-in-1 Combination Snap Ring Pliers Set comes with a**Limited Lifetime Warranty**, reflecting the manufacturer's commitment to quality and durability. For warranty claims, technical support, or any product-related inquiries, please refer to the contact information provided on the OEMTOOLS official website or the product packaging.
Always ensure you purchase from authorized retailers to guarantee warranty validity and access to genuine support.

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