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DOWELL HYT101

DOWELL 10-Piece Small Tool Kit (Model HYT101) User Manual

Essential Tools for Home Repair and DIY Projects

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1. INTRODUCTION

This manual provides essential information for the safe and effective use of your DOWELL 10-Piece Small Tool Kit, Model HYT101. This kit is designed for minor household repairs, assembly tasks, and various DIY projects. Please read this manual thoroughly before using the tools and retain it for future reference.

10 PIECES HOUSEHOLD TOOL SET



Image 1.1: The DOWELL 10-Piece Small Tool Kit in its compact storage case, ready for use in a home or workshop environment.

2. SAFETY INFORMATION

Always prioritize safety when using hand tools. Failure to follow these guidelines may result in injury or damage to property.

- **Wear appropriate personal protective equipment (PPE):** This includes safety glasses to protect against flying debris, and gloves to protect hands.
- **Inspect tools before use:** Ensure all tools are in good condition. Do not use damaged or worn tools.
- **Use the correct tool for the job:** Using a tool for a purpose it was not designed for can cause damage to the tool or the workpiece, and may lead to injury.
- **Keep tools clean and dry:** Store tools in their case to prevent rust and damage.
- **Keep children and pets away:** Ensure a safe working environment by keeping unauthorized individuals away from your work area.

- **Work in a well-lit area:** Good visibility helps prevent accidents.
- **Secure your workpiece:** Use clamps or a vise to hold items securely, preventing movement during work.

3. PACKAGE CONTENTS

Your DOWELL 10-Piece Small Tool Kit includes the following items, neatly organized within a durable plastic storage case:



Image 3.1: All 10 pieces of the DOWELL tool kit, including the storage case, are shown here.

1. **Claw Hammer:** For driving and pulling nails.
2. **Adjustable Wrench:** For tightening and loosening various sizes of nuts and bolts.

3. **Combination Pliers:** Versatile tool for gripping, bending, and cutting wires.
4. **Phillips Head Screwdriver:** For screws with a cross-shaped recess.
5. **Slotted Head Screwdriver:** For screws with a single slot recess.
6. **Digital Voltage Tester:** For safely checking electrical voltage.
7. **Utility Knife:** For precise cutting of various materials.
8. **Measuring Tape (3m/10ft):** For accurate measurements.
9. **Insulation Tape (PVC):** For electrical insulation and bundling.
10. **Durable Plastic Storage Case:** Keeps all tools organized and protected.



Image 3.2: A clear view of each tool included in the kit, arranged outside the storage case.

4. SETUP

The DOWELL 10-Piece Small Tool Kit requires minimal setup. Upon receiving your kit:

1. **Unpack:** Carefully remove the tool kit from its packaging.

2. **Inspect:** Open the plastic storage case and inspect each tool for any signs of damage during transit. If any tool is damaged, do not use it and contact customer support.
3. **Familiarize:** Take a moment to identify each tool and its designated slot within the case. This will help with organization and quick access during tasks.

5. OPERATING INSTRUCTIONS

This section provides basic guidance on how to use each tool effectively and safely.

5.1. Claw Hammer

Use the hammer for driving nails into wood or other soft materials. The claw end is designed for pulling out nails. Always strike squarely and wear safety glasses.

5.2. Adjustable Wrench

To use, rotate the knurled worm screw to adjust the jaw opening until it snugly fits the nut or bolt head. Apply force in the direction that tightens the jaw onto the fastener to prevent slipping.

5.3. Combination Pliers

The jaws are used for gripping and bending. The cutting edge near the pivot is for cutting wires. Ensure the wire is fully seated in the cutting edge before applying pressure.

5.4. Screwdrivers (Phillips & Slotted)

Select the correct screwdriver tip (Phillips or Slotted) that matches the screw head. Insert the tip fully into the screw head and apply firm, downward pressure while turning clockwise to tighten or counter-clockwise to loosen. Avoid stripping the screw head by using the correct size and applying adequate pressure.



Image 5.1: A screwdriver from the kit being used for an electrical task, demonstrating its application in home repairs.

5.5. Utility Knife

Extend the blade only as far as necessary for the cut. Always cut away from your body. Retract the blade fully after use. The blade can be snapped off at scored lines when dull to reveal a new sharp edge.

5.6. Measuring Tape

Pull the tape out to the desired length. The tape will lock in place. Press the button to retract the tape. Ensure the tape is flat against the surface for accurate measurements.

5.7. Digital Voltage Tester

This tool is designed to detect the presence of AC/DC voltage. To use, place the tip of the tester onto the conductor or into the electrical outlet. The digital display will indicate the voltage range if power is present. Always exercise extreme caution when working with electricity. This tester is for indication only; always confirm power is off before touching wires.

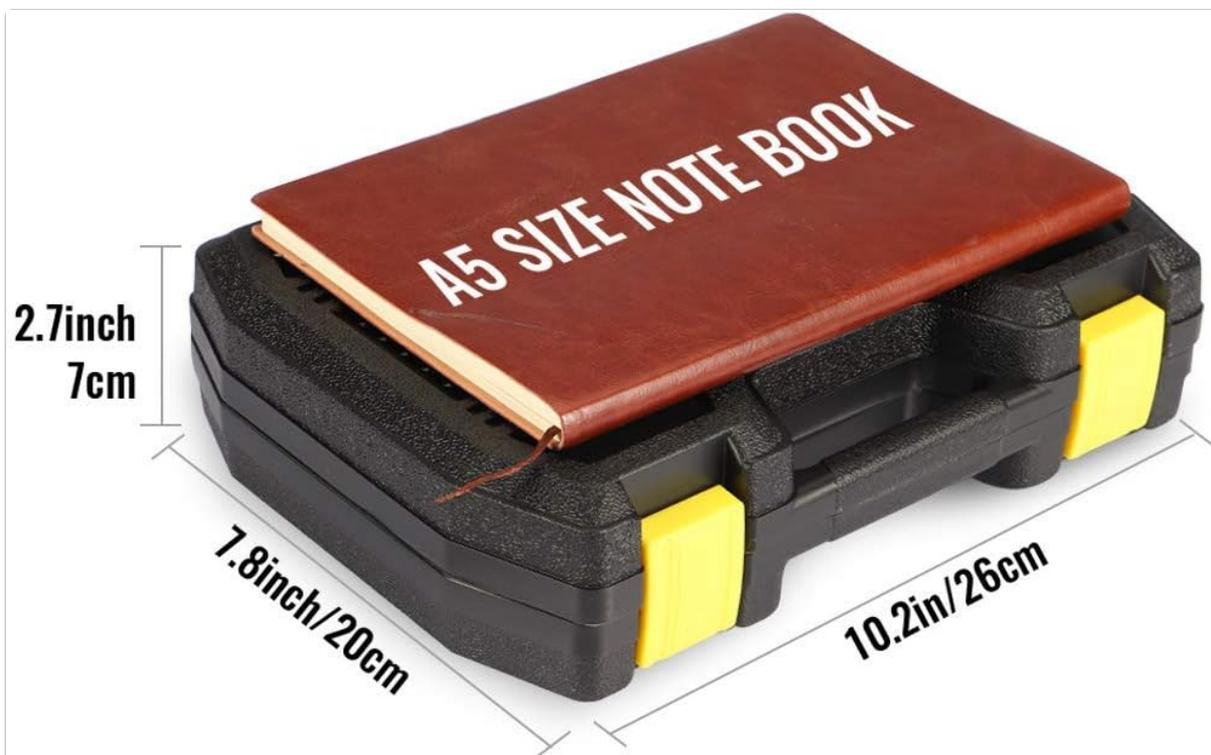


Image 5.2: A close-up view of the digital voltage tester in action, showing its use for checking electrical outlets.

5.8. Insulation Tape (PVC)

Use this tape for insulating electrical connections, bundling wires, or minor temporary repairs. Wrap the tape tightly around the area to be insulated, overlapping each layer by at least half the tape's width.



Image 5.3: The DOWELL tool kit being used for a plumbing repair task under a kitchen sink.

6. MAINTENANCE

Proper maintenance extends the life of your tools and ensures their safe operation.

- **Cleaning:** After each use, wipe down tools with a clean, dry cloth to remove dirt, grease, and moisture. For stubborn grime, a mild detergent solution can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a light coat of machine oil to moving parts of pliers and the adjustable wrench to ensure smooth operation and prevent rust.
- **Storage:** Always return tools to their designated slots in the plastic storage case. Store the case in a dry, cool place away from direct sunlight and extreme temperatures. This prevents loss, damage, and corrosion.
- **Blade Care:** For the utility knife, replace or snap off dull blade segments as needed to maintain cutting efficiency and safety.



Image 6.1: The compact DOWELL tool kit stored conveniently in a drawer, highlighting its ease of storage.

7. TROUBLESHOOTING

Here are solutions to common issues you might encounter with your hand tools:

Problem	Possible Cause	Solution
Tools are stiff or rusty.	Lack of lubrication, exposure to moisture.	Clean tools thoroughly, remove rust with a wire brush or rust remover, then apply a light machine oil. Store in a dry place.
Screwdriver slips from screw head.	Incorrect screwdriver size, worn tip, insufficient downward pressure.	Ensure correct tip size. Apply firm downward pressure. Replace screwdriver if tip is excessively worn.

Problem	Possible Cause	Solution
Utility knife blade is dull.	Normal wear and tear from use.	Snap off the dull segment of the blade at the scored line to expose a new sharp edge. Always use caution when handling blades.
Adjustable wrench slips on fasteners.	Jaws not tightened sufficiently, incorrect size, worn jaws.	Ensure jaws are tightly adjusted to the fastener. Apply force in the direction that pulls the movable jaw towards the fixed jaw. Replace if jaws are excessively worn.
Digital Voltage Tester shows no reading.	No voltage present, low battery (if applicable), incorrect usage.	Verify the circuit is live (test on a known live source). Ensure proper contact. Check battery if the tester has one.

8. SPECIFICATIONS

- **Brand:** DOWELL
- **Model Number:** HYT101
- **Set Name:** 10-Piece Tool Kit
- **Item Weight:** Approximately 3.54 Pounds (1.6 kg)
- **Included Components:** Claw Hammer, Adjustable Wrench, Combination Pliers, Phillips Head Screwdriver, Slotted Head Screwdriver, Digital Voltage Tester, Utility Knife, Measuring Tape (3m/10ft), Insulation Tape (PVC), Plastic Storage Case.
- **Material:** Heat-treated and chrome-plated steel for tools, TPR materials for handles.
- **UPC:** 602668847715

9. WARRANTY AND SUPPORT

DOWELL stands behind the quality of its products. For specific warranty details, please refer to the warranty card included with your purchase or visit the official DOWELL website. If you encounter any issues or require technical assistance, please contact DOWELL customer support through the contact information provided on the product packaging or website.