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Performance Tool W752

Performance Tool W752 4-Piece Roll Pin Punch Set Instruction Manual

Model: W752

1. Introduction

This instruction manual provides essential information for the safe and effective use of your Performance Tool W752 4-Piece Roll Pin Punch Set. Please read this manual thoroughly before operating the tools and retain it for future reference.

2. Safety Information

WARNING: Always wear appropriate personal protective equipment, including safety goggles, when using these tools to prevent eye injury from flying debris.

- Inspect punches for damage before each use. Do not use damaged tools.
- Ensure the workpiece is securely clamped or supported.
- Use a hammer of appropriate weight and material for striking the punch.
- Avoid striking hardened surfaces with the punches, as this can cause chipping or breakage.
- Keep hands and fingers clear of the striking area.
- Store tools in their protective pouch when not in use to prevent damage and corrosion.
- Keep out of reach of children.

3. Package Contents

Your Performance Tool W752 Roll Pin Punch Set includes the following items:

- One (1) 1/8-inch x 6-inch Roll Pin Punch
- One (1) 5/32-inch x 6-inch Roll Pin Punch
- One (1) 3/16-inch x 6-inch Roll Pin Punch
- One (1) 1/4-inch x 6-inch Roll Pin Punch
- One (1) Storage Pouch

Figure 1: The complete Performance Tool W752 4-Piece Roll Pin Punch Set, including the yellow storage pouch.

4. Setup

The Performance Tool W752 Roll Pin Punches are ready for use directly out of the package. No assembly is required.

1. Remove the desired punch from the storage pouch.
2. Ensure the punch tip is clean and free of debris.
3. Select the appropriate size punch for the roll pin you intend to remove or install. The punch tip should be slightly smaller than the roll pin diameter.

5. Operating Instructions

Follow these steps for safe and effective use of the roll pin punches:

1. **Prepare Work Area:** Ensure your work area is well-lit and stable. Secure the workpiece containing the roll pin in a vise or with clamps to prevent movement during operation.
2. **Select Punch:** Choose a roll pin punch that is slightly smaller in diameter than the roll pin you are working with. This prevents the punch from getting stuck or damaging the pin's hole.
3. **Position Punch:** Place the tip of the selected punch squarely on the center of the roll pin. Hold the punch firmly and vertically.
4. **Strike Punch:** Using a hammer, strike the head of the punch with controlled, firm blows. The goal is to drive the roll pin out or in smoothly. Avoid excessive force, which can damage the punch or the workpiece.
5. **Monitor Progress:** Observe the roll pin's movement. If it resists, ensure the punch is correctly aligned and that there are no obstructions.
6. **Complete Task:** Continue striking until the roll pin is fully removed or seated.

Figure 2: A 1/8-inch roll pin punch, featuring a yellow handle for visibility and safety warning.

Figure 3: A 5/32-inch roll pin punch, designed for precise pin removal and installation.

Figure 4: A 3/16-inch roll pin punch, constructed from hardened carbon steel for durability.

Figure 5: A 1/4-inch roll pin punch, the largest size in the W752 set, suitable for larger roll pins.

6. Maintenance

Proper maintenance ensures the longevity and performance of your punch set:

- **Cleaning:** After each use, wipe the punches clean with a dry cloth to remove any debris or residue.
- **Lubrication:** Apply a light coat of rust-preventative oil to the metal parts of the punches, especially if storing them in a humid environment.
- **Inspection:** Regularly inspect the punch tips and striking ends for signs of wear, mushrooming, or chipping. Damaged punches should be replaced to prevent injury and ensure effective operation.
- **Storage:** Store the punches in the provided storage pouch in a dry, secure location, away from moisture and extreme temperatures.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Punch tip bending or breaking	Incorrect punch size, excessive force, striking hardened material, misaligned strike.	Ensure correct punch size. Use controlled force. Avoid striking hardened surfaces. Ensure punch is aligned. Replace damaged punch.
Roll pin not moving	Punch too small, pin seized, insufficient force.	Verify punch size. Apply penetrating oil if pin is seized. Increase force gradually.
Punch head mushrooming	Using an incorrect hammer (e.g., hardened steel hammer on a punch), repeated heavy strikes.	Use a brass, rawhide, or soft-faced hammer. Replace punch if mushrooming is severe.

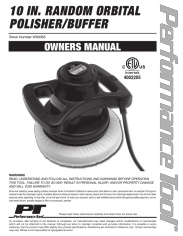
8. Specifications

Feature	Detail
Model Number	W752
Material	Hardened and Tempered High Carbon Steel
Punch Sizes Included	1/8-inch, 5/32-inch, 3/16-inch, 1/4-inch
Punch Length	6 inches (each)
Item Weight	8.8 ounces (total set)
Color	Gray (punches), Yellow (handles/pouch accents)
UPC	039564107665

9. Warranty and Support

Performance Tool products are manufactured to high-quality standards. For specific warranty information or technical support, please refer to the official Performance Tool website or contact their customer service department.
You can visit the official Performance Tool store for more information:Performance Tool Store

Related Documents - W752

	Performance Tool 10-Inch Random Orbital Polisher/Buffer Owner's Manual (W50053) Owner's manual for the Performance Tool 10-Inch Random Orbital Polisher/Buffer (Model W50053). Provides detailed safety warnings, operating instructions, care and maintenance guidelines, troubleshooting tips, and warranty information for automotive detailing and surface polishing.

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