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Performance Tool W80276

Performance Tool W80276 10-Piece Star T-Handle Wrench Set

Instruction Manual

INTRODUCTION

This manual provides essential information for the safe and effective use of your Performance Tool W80276 10-Piece Star T-Handle Wrench Set. Please read these instructions carefully before initial use and retain for future reference. This set is designed for fastening and unfastening fasteners with a star-shaped recess.

SAFETY INFORMATION

- Always wear appropriate personal protective equipment, such as safety glasses, when using hand tools.
- Ensure the wrench size matches the fastener size to prevent damage to the fastener or the tool.
- Do not use wrenches that are damaged, bent, or worn.
- Do not extend the handle of the wrench with pipes or other devices to increase leverage, as this can damage the tool or fastener and cause injury.
- Keep tools clean and free of grease or oil to maintain a secure grip.
- Store tools securely to prevent accidental falls or injury.

PRODUCT OVERVIEW

The Performance Tool W80276 is a 10-piece set of Star T-Handle wrenches, also known as Torx wrenches. Each wrench features a T-handle design for comfortable grip and enhanced torque application. The set includes a durable metal storage rack for organization.



Figure 1: The complete 10-piece Performance Tool W80276 Star T-Handle Wrench Set, organized in its black metal storage rack. The wrenches are arranged by size, from T7 to T40.

Components:

- 10 Star T-Handle Wrenches (Sizes: T7, T8, T9, T10, T15, T20, T25, T27, T30, T40)
- 1 Metal Storage Rack

Most Popular Sizes

T7, T8, T9, T10, T15, T20, T25,
T27, T30, T40



Material

Heat-treated alloy steel shafts

Storage

Easy mount storage rack to wall
or bench

Comfort

PVC T-handles add comfort and
added torquing power

Figure 2: An illustrative diagram highlighting key features of the wrench set, including the most popular sizes (T7, T8, T9, T10, T15, T20, T25, T27, T30, T40), heat-treated alloy steel shafts for durability, PVC T-handles for comfort and added torquing power, and the easy-mount storage rack.

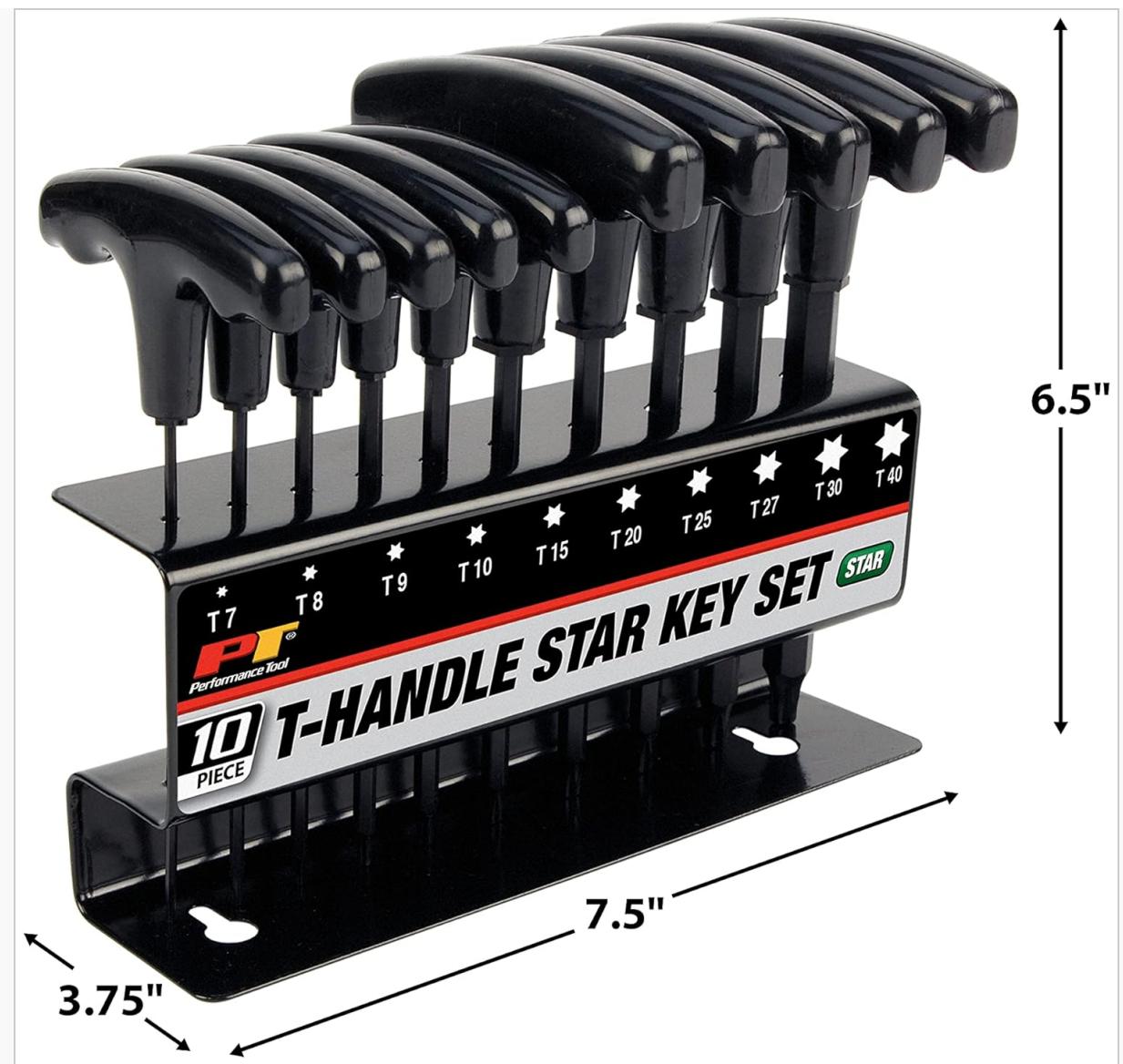


Figure 3: This image displays the approximate dimensions of the T-handle wrench set within its storage rack. The rack measures approximately 7.5 inches in length, 3.75 inches in width, and 6.5 inches in height with the wrenches inserted.

SETUP

The Performance Tool W80276 set comes with a metal storage rack designed for convenient organization and access. The rack can be placed on a workbench or mounted to a wall.

Mounting the Storage Rack:

1. Identify a suitable location on a wall or workbench where the tools will be easily accessible and securely held.
2. The storage rack features keyhole slots for mounting. Mark the positions for the mounting screws using the rack as a template.
3. Drill pilot holes if necessary, appropriate for your mounting surface and hardware (screws not included).
4. Insert screws into the pilot holes, leaving a small gap between the screw head and the surface.
5. Align the keyhole slots on the back of the rack with the screw heads and slide the rack down to secure it. Ensure the rack is firmly seated and stable before placing wrenches in it.



Figure 4: A rear view of the metal storage rack, clearly showing the keyhole slots designed for wall or bench mounting. This allows for secure and organized storage of the T-handle wrenches.

OPERATING INSTRUCTIONS

Using the Star T-Handle wrenches involves selecting the correct size and applying appropriate force.

Steps for Use:

- 1. Identify Fastener Type:** Confirm that the fastener you intend to work with has a star-shaped recess (Torx).
- 2. Select Correct Size:** Choose the T-handle wrench that precisely fits the fastener. A snug fit is crucial to prevent stripping the fastener head or damaging the wrench. The sizes are clearly marked on the rack and on each wrench handle.
- 3. Insert Wrench:** Insert the tip of the wrench fully into the fastener's recess.
- 4. Apply Torque:** Grip the T-handle firmly. For tightening, turn clockwise. For loosening, turn counter-clockwise. Apply steady, controlled pressure. The T-handle design provides increased leverage and comfort compared to standard L-shaped wrenches.
- 5. Remove Wrench:** Once the task is complete, carefully remove the wrench from the fastener.



Figure 5: A person wearing work gloves is shown using a T-handle wrench to access and turn a fastener within an automotive engine bay, demonstrating the tool's utility in confined spaces.



Figure 6: This image shows a person using a T-handle wrench to tighten a fastener on a piece of furniture or equipment, highlighting the ergonomic grip and ease of use for assembly tasks.

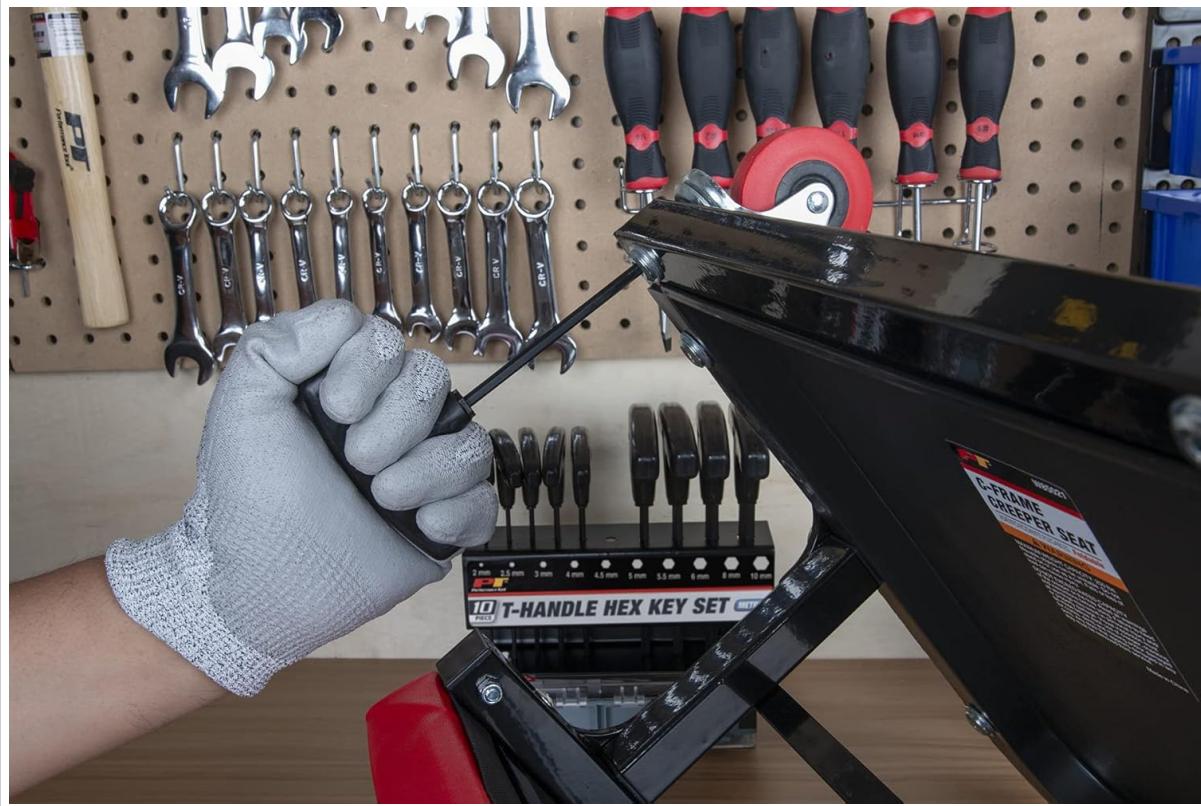


Figure 7: A close-up view of a hand, wearing a work glove, operating a T-handle wrench to turn a bolt. The image emphasizes the comfortable grip provided by the T-handle design.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your T-handle wrench set.

- **Cleaning:** After each use, wipe down the wrenches with a clean, dry cloth to remove dirt, grease, or debris. For stubborn grime, a mild solvent can be used, followed by thorough drying.
- **Corrosion Protection:** The black oxide finish provides resistance to corrosion. However, for prolonged storage or use in humid environments, applying a light coat of rust-preventative oil is recommended.
- **Storage:** Always return the wrenches to their designated slots in the storage rack. This keeps them organized, protected, and easily accessible. Store the set in a dry environment.
- **Inspection:** Periodically inspect each wrench for signs of wear, bending, cracking, or damage to the tips or handles. Replace any damaged wrenches immediately.

TROUBLESHOOTING

If you encounter issues while using your T-handle wrench set, consider the following:

- **Wrench slips or rounds fastener:**
 - Ensure you are using the correct size wrench for the fastener.
 - Verify the wrench tip is fully seated in the fastener recess.
 - Inspect the wrench tip and fastener head for wear or damage. Replace if necessary.
- **Difficulty turning fastener:**
 - Ensure the fastener is not cross-threaded or seized.
 - Apply penetrating oil to seized fasteners and allow time to work.

- Do not apply excessive force that could damage the tool or fastener.
- **Wrench handle feels uncomfortable or slippery:**
 - Clean the handle to remove any oil or grease.
 - Ensure your hands are clean and dry.

SPECIFICATIONS

Feature	Detail
Model Number	W80276
Set Type	Star T-Handle Wrench Set
Number of Pieces	10
Sizes Included	T7, T8, T9, T10, T15, T20, T25, T27, T30, T40
Material	Chrome Vanadium Steel (shafts)
Handle Material	PVC Plastic
Finish	Black Oxide
Storage	Metal Rack (mountable)
Approximate Dimensions (Rack)	9 x 4 x 8 inches (Product Dimensions)
Item Weight	8 ounces (226.8 Grams)

WARRANTY AND SUPPORT

Performance Tool products are designed for durability and reliability. This product comes with a **Lifetime Warranty**. For warranty claims, technical support, or inquiries regarding your Performance Tool W80276 Star T-Handle Wrench Set, please contact Performance Tool customer service directly. Refer to the product packaging or the official Performance Tool website for the most current contact information.



Figure 8: The retail packaging for the Performance Tool W80276 10-Piece Star T-Handle Wrench Set. The packaging highlights key features such as high-quality carbon steel shafts, black oxide finish, included sizes, PVC T-handle grips, and the handy storage rack, along with the lifetime warranty.