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> DURATECH 50-Degree Offset SAE Double Box End Wrench Set (DFOBW08S) User Manual

DURATECH DFOBW08S

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User Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective use, maintenance, and storage of your DURATECH 50-Degree Offset SAE Double Box End Wrench Set. Please read these instructions carefully before using the product.

2. PRODUCT OVERVIEW

The DURATECH 50-Degree Offset SAE Double Box End Wrench Set is designed for durability and ease of use in various mechanical applications. This 8-piece set features wrenches made from high-quality Chrome Vanadium Steel with a mirror polish chrome plated finish for rust resistance and extended lifespan.

Key Features:

- **High-Quality Construction:** Crafted from premium Chrome Vanadium Steel, heat-treated for maximum strength, and drop-forged for long-lasting performance. Exceeds ANSI standards.
- **50-Degree Offset Design:** The unique 50-degree offset handles provide improved access to fasteners in confined or obstructed areas, enhancing user efficiency.
- **12-Point Box Ends:** Each wrench features a double 12-point box end geometry, engineered to grip the flat sides of fastener heads rather than the corners. This design helps prevent rounding off fasteners and increases contact area for secure application.
- **SAE Sizing:** The set includes 8 wrenches, each offering two different SAE sizes, providing a comprehensive range from 1/4" to 1-1/4". Sizes are clearly stamped on both sides of the handle for quick identification.
- **Convenient Storage Pouch:** The set comes with a durable rolling pouch for organized storage and easy transport. The pouch includes printed wrench sizes for quick selection and three hanging holes for wall mounting.

Wrench Sizes Included:

- 1/4" x 5/16"
- 3/8" x 7/16"
- 1/2" x 9/16"
- 5/8" x 11/16"

- 3/4" x 13/16"
- 7/8" x 15/16"
- 1" x 1-1/16"
- 1-1/8" x 1-1/4"

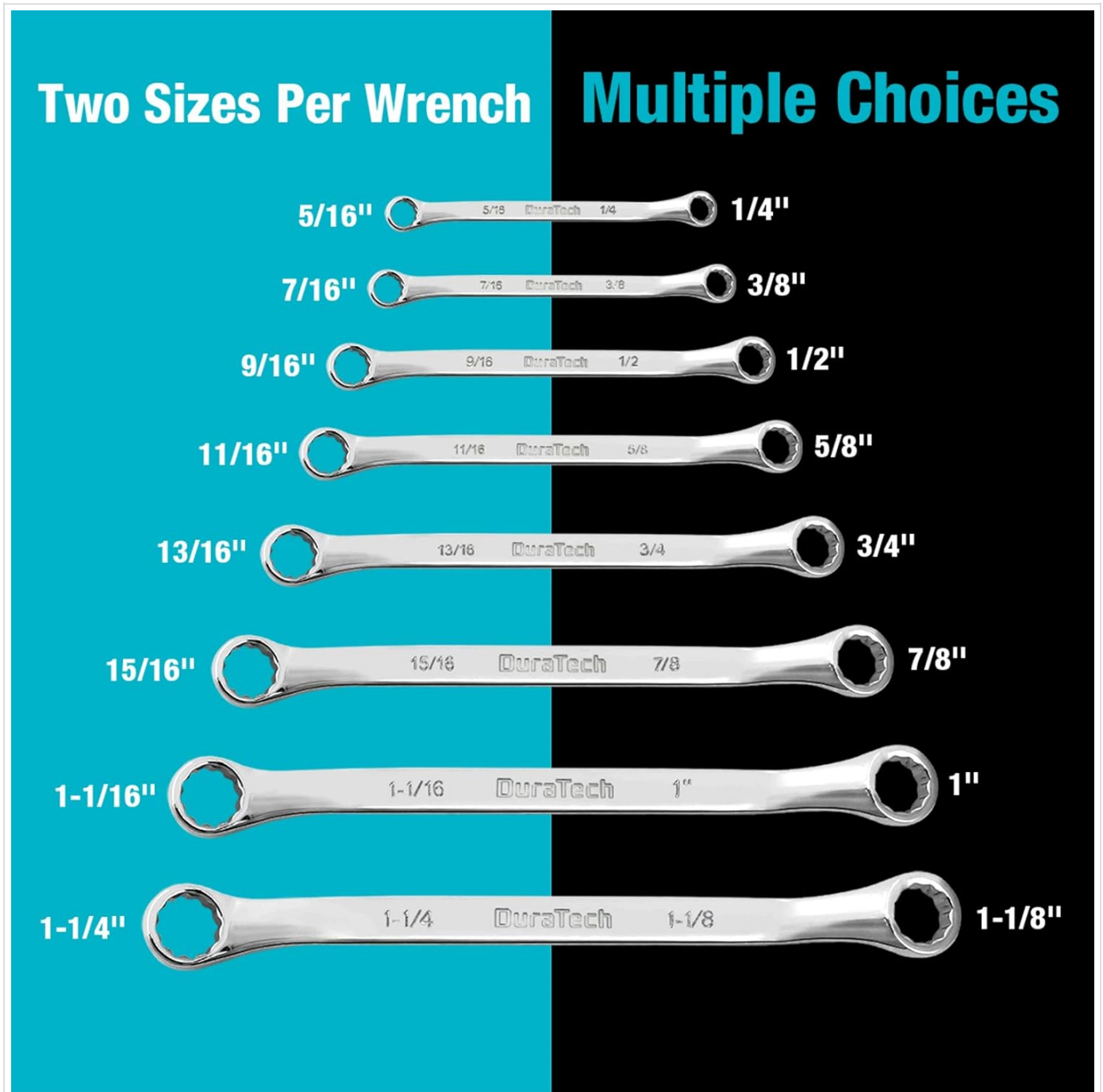


Image: The complete 8-piece DURATECH 50-Degree Offset SAE Double Box End Wrench Set, showcasing all wrenches and their polished finish.

3. SETUP

The DURATECH wrench set comes pre-packaged in a rolling storage pouch. No assembly is required for the wrenches themselves.

1. **Unroll the Pouch:** Lay the storage pouch flat on a clean, stable surface.
2. **Access Wrenches:** Open the flap secured by the hook-and-loop fastener to reveal the wrenches.
3. **Select Size:** Identify the required wrench size by referring to the stamped markings on the wrenches and the printed labels

on the pouch pockets.



Image: The DURATECH wrench set neatly organized within its rolling storage pouch, showing individual pockets and size labels.

4. OPERATING INSTRUCTIONS

These wrenches are designed for tightening and loosening nuts and bolts. Always select the correct size wrench for the fastener to prevent damage to both the fastener and the tool.

1. **Select the Correct Size:** Match the wrench opening to the size of the fastener. Using an incorrect size can lead to slippage and potential injury or damage.
2. **Position the Wrench:** Place the box end of the wrench fully onto the fastener. Ensure a secure and snug fit.
3. **Utilize the 50-Degree Offset:** For fasteners located in tight or obstructed spaces, orient the wrench to take advantage of its 50-degree offset. This angle allows for clearance around obstacles, providing better leverage and access.
4. **Apply Force:** Apply steady, firm pressure to turn the wrench. For loosening, turn counter-clockwise. For tightening, turn clockwise. Avoid sudden jerking motions.
5. **Safety Precaution:** Always pull on the wrench handle rather than push, to minimize the risk of injury if the wrench slips.



50-Degree Offset Make It Easy To Get Around Obstruction

Image: A close-up view illustrating the 50-degree offset design of the wrench, demonstrating its ability to clear obstructions for easier access to fasteners.

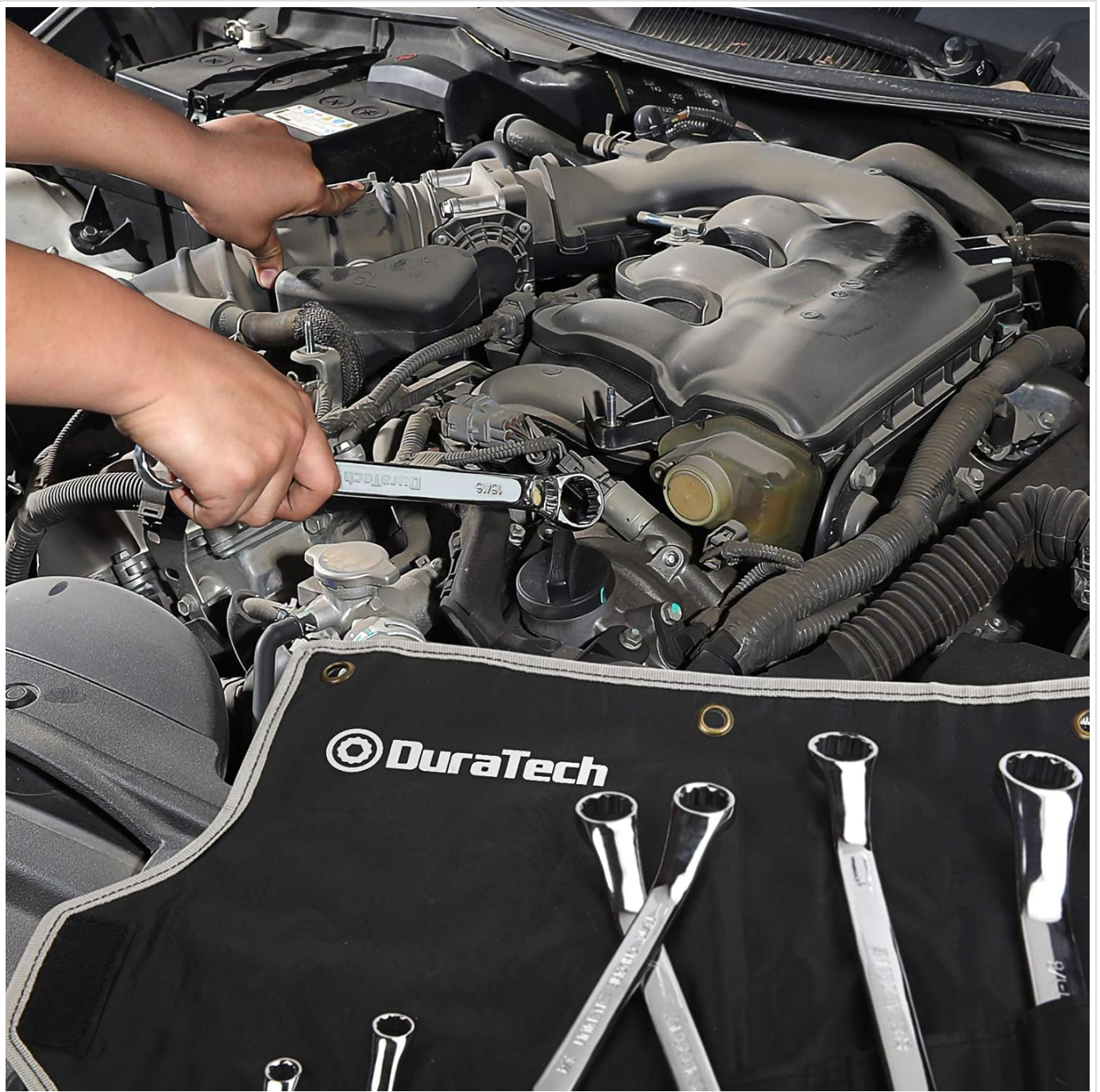


Image: A DURATECH wrench being used in an engine bay, demonstrating its application in a practical setting.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your DURATECH wrench set.

- **Cleaning:** After each use, wipe the wrenches clean with a dry cloth to remove dirt, grease, and debris. For stubborn grime, use a mild degreaser and then wipe dry.
- **Rust Prevention:** The chrome plated finish provides rust resistance. However, to maintain this protection, ensure wrenches are dry before storage. In humid environments, a light coat of rust-preventative oil can be applied.
- **Storage:** Store the wrenches in their provided rolling pouch in a dry environment. The pouch protects the tools from scratches and keeps them organized. Utilize the hanging holes on the pouch for convenient wall storage if desired.
- **Inspection:** Periodically inspect wrenches for any signs of damage, such as cracks, bends, or excessive wear. Do not use damaged tools.

6. TROUBLESHOOTING

Wrenches are simple tools, and issues are typically related to improper use or selection.

- **Wrench Slipping:**

- Ensure the wrench size precisely matches the fastener.
- Confirm the wrench is fully seated on the fastener.
- Avoid using worn or damaged fasteners.

- **Fastener Rounding:**

- Always use the correct size wrench.
- Ensure the 12-point box end is fully engaged with the fastener.
- Apply steady, even pressure.

- **Difficulty Accessing Fastener:**

- Utilize the 50-degree offset design to maneuver around obstructions.
- Consider alternative access points if available.

7. SPECIFICATIONS

Attribute	Detail
Brand	DURATECH
Model Number	DTOBW08S
Measurement Standard	SAE (Inch)
Point Count	12
Head Style	Box End
Offset Angle	50-Degree
Material	Chrome Vanadium Steel
Finish Type	Chrome Plated
Color	Chrome
Item Weight	2.85 Kilograms
Item Length	30.48 Centimeters
UPC	820909680475

8. QUALITY AND MANUFACTURING

DURATECH tools are manufactured with a focus on performance, durability, and precision. The production process involves rigorous steps to ensure high-quality tools.

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Video: An overview of the DURATECH tool manufacturing process, highlighting the steps involved in creating durable and precise tools.

9. WARRANTY AND SUPPORT

For warranty information, product support, or inquiries regarding your DURATECH 50-Degree Offset SAE Double Box End Wrench Set, please refer to the official DURATECH website or contact their customer service. Keep your purchase receipt for any warranty claims.

Return Policy: This product is subject to a 30-day refund/replacement return policy.

Manufacturer: LONGYOU YIYANG IMPORT AND EXPORT CO.,LTD