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WORKPRO S7923402

Workpro 3/8-inch 12-Piece Socket Wrench Set Instruction Manual

Model: S7923402

1. Introduction

This manual provides comprehensive instructions for the Workpro 3/8-inch 12-piece socket wrench set. This tool set is designed for various fastening and loosening tasks, offering a range of common socket sizes for automotive, home repair, and general mechanical applications. Please read this manual thoroughly before using the product to ensure safe and effective operation.

2. Product Components

The Workpro 3/8-inch 12-piece socket wrench set includes the following components:

- One (1) 3/8-inch Drive Ratchet Handle
- One (1) 3/8-inch Drive x 75mm Extension Bar
- Ten (10) 3/8-inch Drive Sockets in the following sizes:
  - 10 mm
  - 11 mm
  - 12 mm
  - 13 mm
  - 14 mm
  - 15 mm
  - 17 mm
  - 19 mm
  - 21 mm
  - 22 mm



Figure 2.1: Included 3/8-inch drive sockets with their respective sizes.



Figure 2.2: The 3/8-inch drive ratchet handle and 75mm extension bar.

3. Setup

Before beginning any work, ensure you have selected the appropriate socket size for the fastener you intend to work with. Using the correct size prevents damage to both the fastener and the socket.

1. **Select Socket:** Choose the socket that precisely fits the head of the bolt or nut.
2. **Attach Socket:** Firmly push the selected socket onto the square drive of the 3/8-inch ratchet handle until it clicks into place.
3. **Use Extension Bar (Optional):** If additional reach is required, attach the 3/8-inch extension bar to the ratchet handle first, then attach the socket to the extension bar. Ensure both connections are secure.

4. Operating Instructions

Follow these steps for safe and effective operation of your socket wrench set:

1. **Position Socket:** Place the assembled socket and ratchet firmly onto the fastener, ensuring it is fully engaged and not at an angle.
2. **Set Ratchet Direction:** Locate the direction switch on the head of the ratchet.

- For **tightening** (clockwise rotation), push the switch to the appropriate position.
- For **loosening** (counter-clockwise rotation), push the switch to the opposite position.

3. **Apply Force:** Apply steady, controlled pressure to the ratchet handle. Avoid sudden jerks or excessive force, which can damage the tool or fastener.
4. **Remove Tool:** Once the task is complete, remove the socket wrench from the fastener. To remove the socket from the ratchet (or extension bar), press the quick-release button (if present) or pull firmly.



Figure 4.1: Demonstrating the use of the ratchet wrench in an engine bay.

5. Maintenance

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

- **Cleaning:** After each use, wipe down all components with a clean, dry cloth to remove dirt, grease, and debris. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a small amount of light machine oil to the ratchet mechanism to ensure smooth operation. Avoid over-lubricating.
- **Storage:** Store the set in its original packaging or a dedicated tool organizer in a dry environment. This prevents corrosion and keeps all pieces together.
- **Inspection:** Regularly inspect sockets and the ratchet for signs of wear, cracks, or damage. Replace any damaged components immediately to prevent injury or further tool damage.

6. Troubleshooting

If you encounter issues while using your socket wrench set, consider the following common troubleshooting tips:

- **Socket Slipping:**
  - Ensure the correct socket size is being used and that it is fully engaged with the fastener.
  - Inspect the fastener head for wear or rounding.
  - Check the socket for internal wear or damage.
- **Ratchet Not Engaging/Clicking:**
  - Verify that the direction switch is fully engaged in either the tightening or loosening position.
  - Clean any debris or old lubricant from the ratchet mechanism.
  - If the issue persists, the internal mechanism may be worn and require professional service or replacement.

7. Specifications

Feature	Detail
Brand	WORKPRO
Model Number	S7923402
Material	Chrome Vanadium Steel
Finish	Polished
Drive Size	3/8 inch
Number of Pieces	12
Socket Sizes	10, 11, 12, 13, 14, 15, 17, 19, 21, 22 mm
Product Dimensions (L x W x H)	6 x 28 x 12 cm
Item Weight	840 grams

8. Warranty and Support

For detailed information regarding product warranty, technical support, or replacement parts, please refer to the official WORKPRO website or contact their customer service department. Keep your purchase receipt as proof of purchase for any warranty claims.

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