

TEKTON SHD15021

TEKTON 3/8 Inch Drive 13/16 Inch Spark Plug Socket SHD15021 Instruction Manual

INTRODUCTION

This manual provides instructions for the proper use and maintenance of your TEKTON 3/8 Inch Drive 13/16 Inch Spark Plug Socket, model SHD15021. This tool is designed for the careful removal and installation of spark plugs in automotive applications. Its specialized features ensure efficient and damage-free operation.

PRODUCT OVERVIEW

The TEKTON SHD15021 spark plug socket is engineered with specific features to enhance performance and durability:

- **Interior Rubber Grommet:** A specialized rubber insert firmly grips the neck of spark plugs, facilitating secure removal and installation without dropping or damaging the plug.
- **Thin Walls and Extended Length:** Designed to access deep spark plug wells, ensuring compatibility with various engine configurations.
- **6-Point Socket Opening with Radiused Corners:** Provides an exact fit and maximum contact with the spark plug's flat sides, preventing damage to the plug's hex corners during torque application.
- **Large, Stamped Markings:** Size markings are permanently impressed into the material, ensuring clear visibility and easy identification even after extensive use.
- **Corrosion-Resistant Finishes:** The exterior features a chrome-plated finish for high corrosion resistance and easy cleaning. The interior is also chrome-plated, supplemented with a clear coat or painted finish for comprehensive protection.
- **Detent Grooves and Beveled Edges:** These design elements ensure a smooth and secure connection with your drive tool, preventing slippage.

Key Features Visualized



This image illustrates how the interior rubber grommet securely grips the spark plug for safe removal and installation.



This diagram highlights the radiused corners of the 6-point opening, designed to prevent damage to spark plug hexes by applying force to the flat sides.



A cross-section view demonstrating the chrome-plated exterior and the protected interior finishes for corrosion resistance.



This image shows the large, clearly visible stamped markings on the socket for easy size identification.

SETUP

The TEKTON spark plug socket is ready for immediate use. No assembly is required. Ensure you have a compatible 3/8 inch drive ratchet or extension bar for operation.

- Select the appropriate 3/8 inch drive ratchet or extension.

- Align the square drive of the socket with the drive tool.
- Push the socket firmly onto the drive tool until it clicks or seats securely. The detent grooves and beveled edges are designed for a secure connection.

OPERATING INSTRUCTIONS

Follow these steps for safe and effective removal and installation of spark plugs:

1. **Preparation:** Ensure the engine is cool before attempting to remove spark plugs. Disconnect the spark plug wire or coil pack from the spark plug. Clear any debris from around the spark plug well.
2. **Socket Attachment:** Carefully lower the TEKTON spark plug socket onto the spark plug. The thin walls and extended length allow access to deep wells. Ensure the socket is fully seated over the spark plug's hex.
3. **Removal:** Attach your 3/8 inch drive ratchet or breaker bar to the socket. Turn counter-clockwise to loosen the spark plug. Once loosened, continue turning by hand or with the ratchet until the spark plug is free. The internal rubber grommet will hold the spark plug securely as you lift it out of the well.
4. **Inspection:** Inspect the removed spark plug for wear or damage.
5. **Installation:** Place the new spark plug into the TEKTON socket. Carefully lower the spark plug and socket into the spark plug well, ensuring it aligns with the threads. Hand-tighten the spark plug clockwise until it seats. This helps prevent cross-threading.
6. **Final Tightening:** Use a torque wrench (recommended) with your 3/8 inch drive ratchet to tighten the spark plug to the manufacturer's specified torque settings. The 6-point opening with radiused corners will apply force to the flat sides of the spark plug, minimizing damage.
7. **Completion:** Reconnect the spark plug wire or coil pack.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your TEKTON spark plug socket:

- **Cleaning:** After each use, wipe the socket clean with a dry cloth to remove dirt, oil, and grease. For stubborn grime, use a mild degreaser and then wipe dry.
- **Corrosion Protection:** The chrome finish provides excellent corrosion resistance. Avoid prolonged exposure to moisture or harsh chemicals. If stored in a humid environment, a light coat of rust preventative oil can be applied.
- **Storage:** Store the socket in a clean, dry place, preferably in a tool chest or organizer, to protect it from impacts and environmental elements.
- **Inspect Rubber Grommet:** Periodically check the internal rubber grommet for signs of wear, cracking, or hardening. A damaged grommet may not securely hold the spark plug.

TROUBLESHOOTING

If you encounter issues while using your spark plug socket, consider the following:

- **Socket Not Seating on Spark Plug:**
 - Ensure the spark plug size matches the 13/16 inch socket.
 - Check for obstructions in the spark plug well or inside the socket.
 - Verify the spark plug's hex is not rounded or damaged.
- **Spark Plug Not Held Securely by Grommet:**

- The rubber grommet may be worn or damaged. While not typically replaceable, a new socket may be required for optimal grip.
- Ensure the spark plug is fully inserted into the socket.
- **Socket Slipping on Drive Tool:**
 - Ensure the drive tool is 3/8 inch and in good condition.
 - Verify the socket is fully engaged with the drive tool's detent ball.

SPECIFICATIONS

Brand	TEKTON
Model Number	SHD15021
Drive Size	3/8 Inch
Socket Size	13/16 Inch
Material	Stainless Steel
Finish Type	Polished Chrome
Item Length	3.5 Inches
Item Weight	4.8 ounces
Number of Pieces	1
Measurement System	Imperial

WARRANTY AND SUPPORT

TEKTON stands behind its products. This spark plug socket is covered by TEKTON's warranty policy. For detailed warranty information, including terms and conditions, or for product support, please visit the official TEKTON website:

[tekton.com/warranty](https://www.tekton.com/warranty)

TEKTON's warranty policy states: "No time limits, no receipts."

