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Sealey VS3804 Ball Joint Splitter 30mm User Manual

Model: VS3804 | Brand: Sealey

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of the Sealey VS3804 Ball Joint Splitter 30mm. Please read this manual thoroughly before operation to ensure proper handling, maintenance, and to prevent damage or injury.

The Sealey VS3804 is a robust tool designed for the efficient removal of ball joints, particularly suitable for commercial vehicle applications. Its chemically blackened forged steel body and thrust bolt ensure high strength and durability.

2. SAFETY INFORMATION

Always observe general workshop safety practices. Wear appropriate personal protective equipment (PPE) including safety glasses and gloves. Ensure the vehicle is securely supported before commencing work.

- Do not use the tool if it is damaged or appears to be faulty.
- Ensure the ball joint splitter is correctly positioned on the ball joint before applying force.
- Do not use excessive force or impact tools unless specifically instructed.
- Keep hands and fingers clear of pinch points during operation.
- Store the tool in a clean, dry place away from children.

3. PRODUCT OVERVIEW

The Sealey VS3804 Ball Joint Splitter is engineered for durability and effective performance. Key features include:

- Chemically blackened forged steel body:** Provides enhanced durability and corrosion resistance.
- Thrust bolt mechanism:** Allows for controlled and powerful separation of ball joints.
- High strength construction:** Suitable for demanding applications, including commercial vehicle ball joints.
- Jaw Capacity:** 34mm, designed to accommodate a range of ball joint sizes.



Figure 1: Side view of the Sealey VS3804 Ball Joint Splitter, showing the main body and thrust bolt.

Figure 2: Top-down view of the Sealey VS3804 Ball Joint Splitter, highlighting the jaw opening and thrust bolt mechanism.

4. SETUP

Before using the ball joint splitter, ensure the work area is clean and well-lit. Gather all necessary tools, including appropriate wrenches for the thrust bolt.

1. Identify the ball joint to be separated.
2. Clean any dirt or debris from around the ball joint and its housing.
3. Ensure the ball joint splitter's jaw capacity (34mm) is suitable for the ball joint you are working on.

5. OPERATING INSTRUCTIONS

Follow these steps carefully to safely and effectively use the Sealey VS3804 Ball Joint Splitter:

1. Position the jaws of the splitter around the ball joint stud, ensuring the thrust bolt is aligned with the end of the stud.
2. Make sure the tool is seated firmly and squarely on the ball joint.
3. Using an appropriate wrench, slowly turn the thrust bolt clockwise. This will apply pressure to the ball joint stud, forcing it out of its tapered housing.
4. Continue turning the thrust bolt until the ball joint separates. A sudden pop or crack may indicate separation.
5. Once separated, carefully remove the tool from the ball joint.
6. Inspect the ball joint and surrounding components for any damage.

Note: For stubborn ball joints, applying penetrating oil and allowing it to soak may assist in removal. Avoid striking the tool with a hammer, as this can damage the tool or the vehicle components.

6. MAINTENANCE

Proper maintenance will extend the life of your Sealey VS3804 Ball Joint Splitter.

- After each use, clean the tool thoroughly to remove any grease, dirt, or debris.
- Apply a light coat of machine oil to the thrust bolt threads to ensure smooth operation and prevent corrosion.
- Inspect the tool for any signs of wear, cracks, or damage. Do not use a damaged tool.
- Store the tool in a dry environment to prevent rust.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Ball joint not separating.	Insufficient force applied; seized ball joint; incorrect tool positioning.	Ensure tool is correctly seated. Apply penetrating oil and allow to soak. Apply more force gradually.
Thrust bolt difficult to turn.	Threads are dry or corroded; excessive resistance from ball joint.	Lubricate threads with machine oil. Check for proper alignment.
Tool slipping off ball joint.	Improper positioning; ball joint too large or small for jaw capacity.	Re-position the tool securely. Verify the ball joint size is within the 34mm jaw capacity.

8. SPECIFICATIONS

Attribute	Value
Model No.	VS3804
Brand	Sealey
Jaw Capacity	34mm
Item Weight	2.31 pounds
Product Dimensions	5.47 x 2.99 x 3.74 inches
Material	Chemically blackened forged steel

9. WARRANTY AND SUPPORT

For warranty information and technical support regarding your Sealey VS3804 Ball Joint Splitter, please refer to the official Sealey website or contact their customer service department directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Sealey Contact Information:

Website: www.sealey.co.uk

Customer Service: Refer to website for regional contact details.

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