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› ZKTOOL Vehicle Height Measurement Tool Ride Height Setting Adapter Tool Compatible with Land Rover Range Rover Jaguar,Chassis Height Measurement Tool,Ride Height Setting Tool.JLR-204-557B-01 204-484

ZKTOOL JLR-204-557B-01 204-484

Instruction Manual

ZKTOOL VEHICLE HEIGHT MEASUREMENT TOOL

Model: JLR-204-557B-01 204-484

1. Introduction

This instruction manual provides detailed information on the proper use, setup, and maintenance of the ZKTOOL Vehicle Height Measurement Tool. This specialized adapter tool is designed for accurate chassis height measurement, particularly compatible with Land Rover Range Rover and Jaguar vehicles.

Accurate vehicle height measurement is crucial when assessing the condition of components such as rims, tires, tie rod ends, suspension joints, and wheel bearings, especially when the vehicle's mass is transferred to the suspension system.

2. Product Overview

The ZKTOOL Vehicle Height Measurement Tool is constructed from high-quality stainless steel, ensuring durability and precision. Its design incorporates a measuring rod and a base for stable positioning.



Figure 2.1: Main components of the ZKTOOL Vehicle Height Measurement Tool, including the measuring rod and the base with three support points.

Key Features:

- **Purpose:** Essential for measuring vehicle height when inspecting rims, tires, tie rod ends, suspension joints, and wheel bearings.
- **Application:** Specifically designed for compatibility with Land Rover Range Rover and Jaguar vehicles.
- **OEM Equivalent:** Corresponds to OEM part numbers JLR-204-557B-01 and 204-484.
- **Material Quality:** Manufactured from durable stainless steel for long-lasting performance and accuracy.
- **Precision:** Engineered with precise dimensions to ensure accurate measurements.

3. Specifications

Specification	Value
Manufacturer	ZKTOOL
Item Weight	3.3 pounds (approx. 1.5 kg)

Specification	Value
Package Dimensions	25.5 x 7 x 3.5 inches (approx. 64.8 x 17.8 x 8.9 cm)
Tool Size (approx.)	64 cm / 25.19 inches (length)
OEM Part Numbers	JLR-204-557B-01, 204-484
Material	Stainless Steel
Compatibility	Land Rover Range Rover, Jaguar (5-hole wheel models)

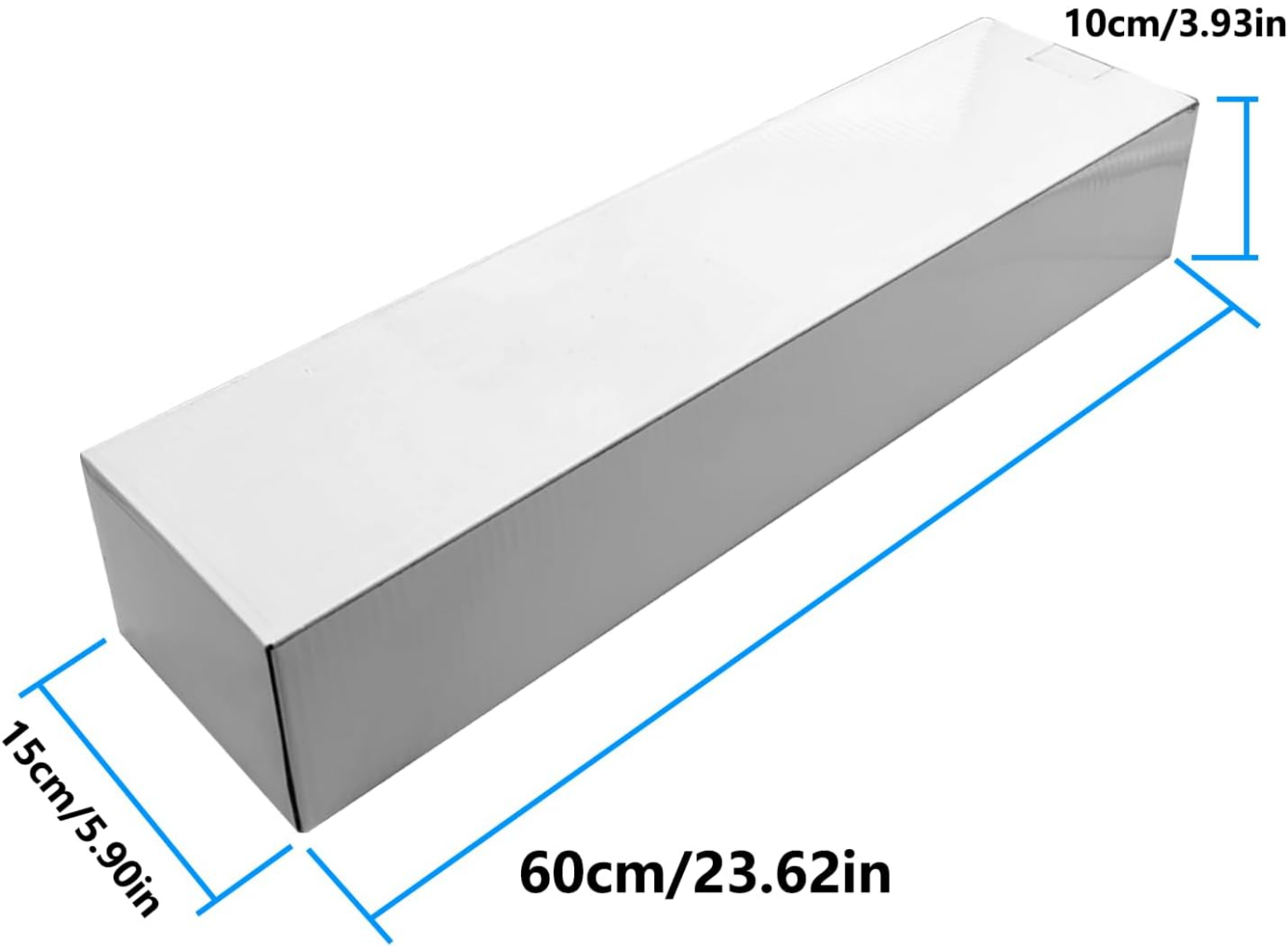


Figure 3.1: Approximate package dimensions of the tool.

4. Setup

Before using the tool, ensure all components are present and free from damage. The tool consists of a main measuring rod and a base with three or five support points, depending on the wheel configuration.

1. **Unpack Components:** Carefully remove the measuring rod and the base from the packaging.
2. **Assemble Base:** If the base components are separate (e.g., the three or five cylindrical supports), attach them

securely to the main base plate using the provided fasteners. Ensure they are firmly seated to provide a stable platform.

3. **Attach Measuring Rod:** Insert the measuring rod into the designated slot on the base. Secure it using the locking mechanism or screw, ensuring it is upright and stable.
4. **Verify Stability:** Gently shake the assembled tool to confirm all connections are secure and there is no excessive wobble.



Figure 4.1: Illustration of the base assembly and components.

5. Operating Instructions

Follow these steps for accurate vehicle height measurement:

1. **Vehicle Preparation:** Position the vehicle on a level surface. Ensure the suspension is settled and the vehicle is not under load or jacked up.
2. **Positioning the Tool:** Place the base of the measurement tool against the wheel. The tool utilizes a 3-point positioning system (or 5-point for compatible models) that aligns with the tire screws (lug nuts) to accurately find the

center point of the wheel. This ensures precise measurement from the wheel's center to the chassis.

Use 3-point positioning of tire screws to accurately find the center point for more accurate results



Figure 5.1: Proper positioning of the tool using the 3-point alignment on the wheel.

3. **Adjusting the Measuring Rod:** Slide the adjustable collar on the measuring rod until the tip of the rod touches the designated measurement point on the vehicle's chassis or fender arch. Ensure the rod is perpendicular to the ground for the most accurate reading.



Figure 5.2: The measuring rod extended to the vehicle's fender, showing the measurement scale.

4. **Reading the Measurement:** Read the measurement directly from the scale on the measuring rod at the point where it aligns with the adjustable collar. Note down the reading.
5. **Repeat for Accuracy:** For critical applications, repeat the measurement multiple times and average the results. Measure all relevant wheels as per service manual requirements.
6. **OEM Reference:** The tool is designed to work with OEM specifications JLR-204-557B-01 and 204-484. Refer to your vehicle's service manual for specific measurement points and required height values.



Figure 5.3: The tool's OEM reference and a diagram illustrating the measurement principle.

7. **5-Hole Wheel Compatibility:** This tool is applicable for measurement and calibration on vehicles with 5-hole wheel models.

Applicable to measurement and calibration of 5-hole wheel models



adjustable dimension

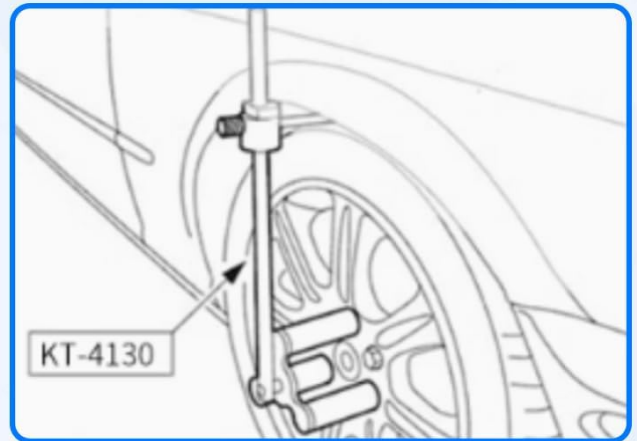


Figure 5.4: The tool's base designed for compatibility with 5-hole wheel patterns.

6. Maintenance

Proper maintenance ensures the longevity and accuracy of your ZKTOOL Vehicle Height Measurement Tool.

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove any dirt, grease, or debris. For stubborn grime, a mild, non-abrasive cleaner can be used, followed by thorough drying.
- **Storage:** Store the tool in its original packaging or a protective case in a dry, clean environment. Avoid exposing it to extreme temperatures or humidity, which can affect its material integrity.
- **Inspection:** Periodically inspect the tool for any signs of wear, damage, or deformation. Ensure the measuring scale is clear and legible, and all moving parts operate smoothly.
- **Lubrication:** Lightly lubricate any sliding or threaded components with a suitable lubricant if they become stiff, ensuring smooth operation.

7. Troubleshooting

If you encounter issues while using the ZKTOOL Vehicle Height Measurement Tool, consider the following:

- **Inaccurate Readings:**

- Ensure the vehicle is on a perfectly level surface.
- Verify the tool's base is firmly seated against the wheel and aligned with the lug nuts.
- Check that the measuring rod is perpendicular to the ground.
- Confirm the adjustable collar is securely tightened before reading.

- **Tool Instability:**

- Re-check all assembly points to ensure components are tightly fastened.
- Ensure the ground surface is stable and free of debris.

- **Difficulty Adjusting Rod:**

- Clean the measuring rod and the inside of the adjustable collar.
- Apply a small amount of appropriate lubricant if friction persists.

If problems persist, contact ZKTOOL customer support for further assistance.

8. Warranty and Support

ZKTOOL is committed to providing high-quality automotive tools. This product is manufactured to stringent quality standards.

Warranty Information:

Specific warranty details may vary. Please refer to the warranty card included with your purchase or visit the official ZKTOOL website for the most current warranty policy information.

Customer Support:

For technical assistance, product inquiries, or warranty claims, please contact ZKTOOL customer service. You can find contact information on the ZKTOOL official website or through your point of purchase.

Note: Always refer to your vehicle's official service manual for specific procedures and safety guidelines when performing any maintenance or measurement tasks.

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Model number, symptoms, what you tried, or the section of the manual you are using.

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