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› HILAKE CV Boot Installation Cone Tool User Manual

HILAKE BOOTKIT-Tool

HILAKE CV Boot Installation Cone Tool User Manual

Model: BOOTKIT-Tool | Brand: HILAKE

1. INTRODUCTION

This manual provides essential instructions for the proper use and maintenance of your HILAKE CV Boot Installation Cone Tool. Designed for universal stretch CV boots, this tool simplifies the installation process, helping to protect the CV boot from damage during fitting. Please read these instructions thoroughly before use to ensure safe and effective operation.



Figure 1: HILAKE CV Boot Installation Cone Tool. This image shows the black, conical tool designed for installing CV boots.

2. PRODUCT FEATURES

- **Simplified Installation:** The cone-shaped design facilitates easier CV boot installation, reducing effort and potential damage.
- **Durable Construction:** Made from high-quality plastic material for repeated use and longevity.

- **Universal Compatibility:** Suitable for a wide range of stretchable CV boots.
- **Compact Dimensions:** Designed for practical handling and storage.

3. SAFETY INFORMATION

Always prioritize safety when working with automotive components. Adhere to the following guidelines:

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands before beginning any work.
- Keep hands and clothing clear of moving parts.
- Use the tool only for its intended purpose.

4. SETUP AND PREPARATION

Proper preparation is crucial for successful CV boot installation.

1. **Inspect CV Boot:** Before using the cone, verify that your replacement CV boot is designed to stretch and can expand to a diameter larger than the base of the cone (110 mm / 4.33 inches). The boot must be elastic enough for the cone to function correctly.
2. **Clean the Tool:** Ensure the CV boot installation cone is clean and free of debris.
3. **Apply Lubricant:** Apply a generous amount of appropriate lubricant (e.g., silicone spray or grease) to the entire surface of the cone. This reduces friction and prevents damage to the CV boot during installation.





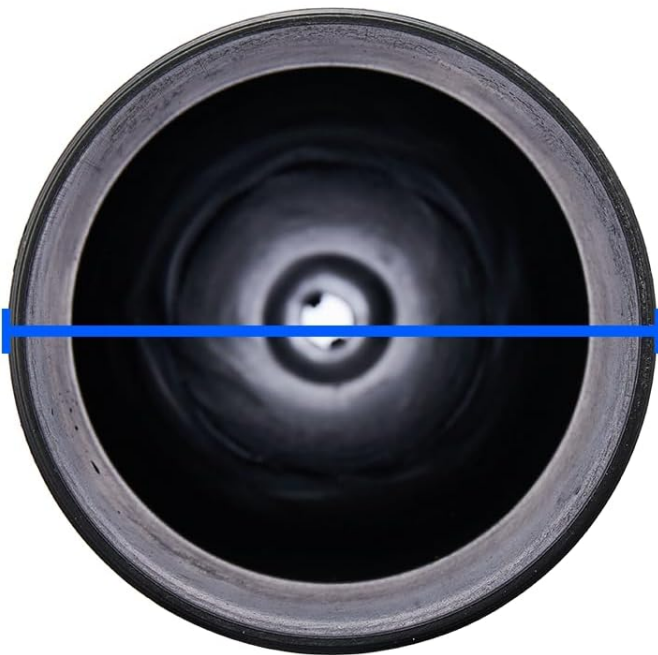
Figure 2: Top Diameter of the CV Boot Installation Cone (20 mm / 0.75 inches). This image highlights the smaller opening of the cone with its measured diameter.





Figure 3: Bottom Diameter of the CV Boot Installation Cone (110 mm / 4.33 inches). This image shows the wider base of the cone with its measured diameter.

**TOP DIAMETER
20 MM (0.75 INCHES)**



**BOTTOM DIAMETER
110 MM (4.33 INCHES)**

Figure 4: Height (320 mm / 12.59 inches) and Thickness (2.7 mm / 0.11 inches) of the CV Boot Installation Cone. This image provides a side view of the cone with its overall height and material thickness indicated.

5. OPERATING INSTRUCTIONS

Follow these steps to install a CV boot using the HILAKE cone tool:

1. **Prepare the Axle:** Remove the old CV boot and clean the CV joint and axle shaft thoroughly. Ensure there are no sharp edges or burrs that could damage the new boot.
2. **Position the Boot:** Slide the small end of the new CV boot over the narrow end of the cone tool.
3. **Stretch the Boot:** Carefully and gradually pull the CV boot over the cone, stretching it until it passes over the widest part of the cone. Apply consistent pressure and ensure the boot stretches evenly. The lubricant applied earlier will assist in this process.
4. **Slide onto Axle:** Once the boot is fully stretched over the cone, slide the entire assembly (cone with boot) onto the axle shaft.
5. **Remove Cone:** Once the boot is past the CV joint and in its correct position on the axle, carefully remove the cone tool.

6. **Secure the Boot:** Install the new CV boot clamps to secure the boot to the CV joint and axle shaft.



Figure 5: Side view of the HILAKE CV Boot Installation Cone Tool. This image provides a clear profile of the cone, illustrating its tapered design.

6. MAINTENANCE

To ensure the longevity and effectiveness of your HILAKE CV Boot Installation Cone Tool:

- After each use, clean the tool thoroughly to remove any lubricant, grease, or debris.
- Store the tool in a clean, dry place, away from direct sunlight and extreme temperatures.
- Inspect the tool periodically for any signs of damage or wear. Replace if cracks or significant deformation are observed.

7. TROUBLESHOOTING

If you encounter difficulties during installation:

- **Boot Not Stretching:** Ensure the CV boot is genuinely a 'stretch' type and that its material is sufficiently elastic. Some boots may require warming in hot water to increase flexibility before stretching.
- **Excessive Friction:** Re-apply lubricant generously to the cone surface and the inside of the CV boot. Using a suitable lubricant is critical for smooth operation.
- **Tool Appears Too Large:** Confirm the boot's maximum stretch diameter is greater than the cone's base diameter (110 mm / 4.33 inches). This tool is designed for universal stretch boots, but some specific boot designs or smaller applications may not be compatible.

8. SPECIFICATIONS

Feature	Specification
Model Number	BOOTKIT-Tool
Brand	HILAKE
Material	High-quality Plastic
Top Diameter	20 mm (0.75 inches)
Bottom Diameter	110 mm (4.33 inches)
Height	320 mm (12.59 inches)
Thickness	2.7 mm (0.11 inches)
Item Weight	8.8 ounces
Manufacturer Part Number	BOOTKIT-Tool

9. WARRANTY AND SUPPORT

Specific warranty information for the HILAKE CV Boot Installation Cone Tool is not provided within this manual. For details regarding warranty coverage, returns, or technical support, please refer to the product's original packaging, your purchase receipt, or contact the HILAKE customer service directly through their official channels.