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ZJYNTKASP22230307US-1

CTH Front Hood Lift Supports for Kia Sportage (2023-2025) Installation Manual

Brand: Generic | **Model:** ZJYNTKASP22230307US-1

1. Introduction

This manual provides detailed instructions for the installation and maintenance of the CTH Front Hood Lift Supports for Kia Sportage models manufactured between 2023 and 2025. These lift supports are designed to provide convenient and secure hood opening, replacing the factory prop rod. Please read all instructions carefully before beginning installation.

2. Safety Information

- Always ensure the vehicle is parked on a level surface with the engine off and the parking brake engaged.
- Use appropriate personal protective equipment, such as safety glasses and gloves.
- Exercise caution when working under the hood. Ensure the hood is safely supported if the original prop rod is removed before the new supports are fully installed.
- Avoid placing hands or fingers near pinch points during installation and operation.

3. Package Contents

Verify that all components are present before beginning installation:

- 2 x Front Hood Lift Supports (Left and Right side)
- Mounting Brackets (typically 4 pieces, 2 for each side)



Image 1: Contents of the CTH Front Hood Lift Support kit, showing two black hydraulic struts and four black metal mounting brackets.

4. Compatibility

These CTH Front Hood Lift Supports are specifically designed for the following vehicle models:

- Kia Sportage 2023
- Kia Sportage 2024
- Kia Sportage 2025

No modifications or drilling are required for installation on these compatible models.

5. Installation Instructions

Tools Required: 10mm wrench, 12mm wrench, heavy towel (optional, for paint protection).

1. **Prepare the Vehicle:** Open the hood and secure it with the factory prop rod. If removing the original prop rod, ensure the hood is safely supported by another means (e.g., a second person or a temporary support) to prevent accidental closure.
2. **Install Lower Brackets:** Identify the mounting points on the vehicle's fender area. Attach the lower mounting brackets to these points. It is recommended to leave the bolts slightly loose at this stage to allow for minor adjustments.



Image 2: Close-up view of the lower mounting point on the vehicle's fender where a bracket will be attached.

3. **Install Upper Brackets:** Identify the mounting points on the hood itself. Attach the upper mounting brackets. Again, leave these bolts slightly loose.



Image 3: Close-up view of the upper mounting point on the hood where a bracket will be attached.

4. **Attach Lift Supports:** With the brackets loosely installed, carefully snap the ends of the hydraulic lift supports onto the ball studs of the brackets. Apply firm hand pressure until they click into place. Start with one end (either upper or lower) and then align the other end.

5. **Tighten All Fasteners:** Once both lift supports are attached and the hood can move freely, tighten all bolts on the mounting brackets using the 10mm and 12mm wrenches. Ensure all connections are secure. If you removed the original prop rod, you may now store it or discard it.

6. **Test Operation:** Gently lower the hood to ensure it closes properly without binding. Then, open the hood to verify the lift supports function correctly, holding the hood open securely.



Image 4: View of a Kia Sportage hood fully open with the CTH Front Hood Lift Supports installed, demonstrating proper function.

6. Operating Instructions

To open the hood, release the primary hood latch from inside the vehicle, then lift the hood slightly. The CTH Front Hood Lift Supports will assist in raising the hood to its fully open position and hold it securely. To close the hood, gently pull it down until it is approximately 8-12 inches from the closed position, then release it to allow it to latch securely. Do not force the hood closed.

7. Maintenance

The CTH Front Hood Lift Supports are constructed from durable stainless steel and are designed for long-lasting performance with minimal maintenance.

- Periodically inspect the lift supports and mounting points for any signs of wear, damage, or corrosion.
- Keep the piston rods clean and free from dirt or debris. Wipe them with a clean, damp cloth if necessary.
- Do not apply lubricants or grease to the piston rods, as this can attract dirt and potentially damage the seals.

8. Troubleshooting

Problem	Possible Cause	Solution
Hood does not open fully or struggles to stay open.	Weak or damaged lift supports.	Inspect for damage. If supports are faulty, replacement may be necessary.
Hood binds or does not close properly.	Improper alignment of mounting brackets or lift supports.	Loosen bracket bolts, adjust alignment, and re-tighten. Ensure no components are interfering with the hood's movement.
Excessive resistance when closing the hood.	Incorrectly installed or incompatible lift supports.	Verify correct installation and compatibility with your vehicle model and year. If issues persist, contact customer support.

9. Specifications

- **Model:** ZJYNTKASP22230307US-1
- **Compatibility:** Kia Sportage 2023, 2024, 2025
- **Material:** Stainless Steel
- **Color:** Black
- **Auto Part Position:** Front
- **Number of Items:** 2 (1 Pair)

10. Warranty and Support

This product comes with a **6 Month Part Warranty** from the date of purchase. For warranty claims, technical assistance, or any questions regarding installation or operation, please contact your retailer or the manufacturer directly.
Please retain your proof of purchase for warranty purposes.

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