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› GreenYi 23244435 Rear View Backup Camera User Manual for Chevrolet Silverado & GMC Sierra (2016-2019)

GreenYi 23244435

GreenYi 23244435 Rear View Backup Camera User Manual

Model: 23244435 | Brand: GreenYi

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your GreenYi 23244435 Rear View Backup Camera. This camera is designed as a direct replacement for specific Chevrolet Silverado and GMC Sierra models, enhancing your vehicle's safety and maneuverability during reversing.

Please read this manual thoroughly before installation and use to ensure proper function and to avoid damage.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Multiangle Views:** Provides versatile rear views for improved safety and easier maneuvering.
- **OE Part Number Fitment:** Designed to seamlessly replace OE part numbers 23244435, 84079952, 23 244 435, and V51-74-0050.
- **Star Night Vision:** Advanced imaging delivers clear, high-definition visuals in both daylight and low-light conditions.
- **IP68 Waterproof:** Engineered with a robust housing to withstand car washes, heavy rain, and various environmental conditions, ensuring durability and reliable operation.

2.2 Vehicle Compatibility

This backup camera is compatible with the following vehicle models:

- Chevrolet Silverado 1500, 2500, 3500 HD (2016-2019)
- GMC Sierra 1500, 2500, 3500 HD (2016-2019)

Please verify your vehicle's original equipment (OE) part number matches one of the listed compatible numbers (23244435, 84079952, 23 244 435, V51-74-0050) to ensure proper fitment.

3. PACKAGE CONTENTS

The package includes the following items:

- 1 x GreenYi OE Replacement Backup Camera (Model 23244435)
- 1 x Thanks Card

4. SPECIFICATIONS

Feature	Specification
Brand	GreenYi
Product Dimensions (L x W x H)	3.38" x 1.57" x 1.18"
Compatible Devices	2016-2019 Chevrolet Silverado GMC Sierra 1500 2500 3500 HD
Installation Type	Original Mounting, Plug and Play
Voltage	12 Volts (DC)
Optical Sensor Technology	CCD
Lens Type	Wide Angle
Real Angle of View	130 Degrees
Connector Type	Original Connector Compatible with Vehicle
Video Capture Resolution	960x480p
Optical Sensor Size	1/3-inch or 1/4-inch
Item Weight	0.24 Pounds

5. SAFETY INFORMATION

Always prioritize safety when installing and operating vehicle accessories. Improper installation can lead to vehicle damage or personal injury. Consult a professional if you are unsure about any steps.

- Ensure the vehicle's ignition is off and the battery is disconnected before beginning installation to prevent electrical shorts.
- Route all cables carefully to avoid interference with moving parts, sharp edges, or heat sources.
- The backup camera is an aid and should not replace direct observation or proper driving techniques. Always check your surroundings manually before reversing.
- Do not attempt to modify the camera or its wiring, as this may void the warranty and create safety hazards.

6. INSTALLATION INSTRUCTIONS

The GreenYi backup camera is designed for direct replacement and plug-and-play installation. However, specific steps may vary slightly depending on your vehicle's exact configuration.

6.1 Pre-Installation Check

- Confirm your vehicle's compatibility and OE part number.
- Gather necessary tools (e.g., screwdrivers, trim removal tools, wire cutters/strippers if needed).
- Disconnect the vehicle's battery before starting any electrical work.

6.2 Installation Steps

1. **Locate the Original Camera:** Identify the location of your vehicle's existing backup camera, typically in the tailgate handle assembly.
2. **Remove Trim Panels:** Carefully remove any interior trim panels or exterior components necessary to access the original camera and its wiring. Use appropriate trim removal tools to avoid damage.
3. **Disconnect Original Camera:** Disconnect the electrical connector from the original backup camera.
4. **Remove Original Camera:** Unmount the original camera from its housing.
5. **Install New Camera:** Mount the GreenYi replacement camera into the existing housing. Ensure it is securely fastened.
6. **Connect Wiring:** Connect the new camera's wiring harness to the vehicle's existing electrical connector.

***Note on Wiring Harness:** Some users have reported that the provided wiring harness may not be an exact match for all 2016-2018 Silverado/GMC models, which might require a 2-connector harness. If the provided harness does not fit, it is recommended to reuse your vehicle's original wiring harness by carefully detaching it from the old camera and attaching it to the new GreenYi camera.*

7. **Route and Secure Cables:** Ensure all cables are routed away from moving parts, heat sources, and sharp edges. Use zip ties or clips to secure them.
8. **Reassemble Panels:** Reinstall all removed trim panels and components.
9. **Reconnect Battery:** Reconnect the vehicle's battery.

6.3 Visual Aids for Installation

For visual guidance, you may search for installation videos on platforms like YouTube using your exact vehicle model and the original equipment (OEM) part number of your old camera.



Figure 6.1: GreenYi backup camera with key dimensions. The camera measures approximately 3.38 inches in length, 1.57 inches in width, and 1.18 inches in height. The connector is 28mm wide and 24mm high.



Figure 6.2: Various views of the GreenYi backup camera and its electrical connector, highlighting the plug-and-play design.

7. OPERATION

Once installed, the GreenYi backup camera operates automatically with your vehicle's reverse gear engagement.

- **Automatic Activation:** When you shift your vehicle into reverse, the camera feed will automatically display on your vehicle's infotainment screen.
- **Guide Lines:** The display will typically show dynamic or static guide lines to assist with parking and maneuvering.
- **Night Vision:** The camera features Star Night Vision technology, providing clear images even in low-light conditions.



Figure 7.1: Illustration of the 130-degree wide-angle view provided by the backup camera, showing the area covered behind the vehicle on the display.



Figure 7.2: Comparison demonstrating the enhanced clarity and full-color capability of the GreenYi camera's Star Night Vision in low-light conditions compared to a standard camera.

8. MAINTENANCE

To ensure optimal performance and longevity of your GreenYi backup camera, follow these simple maintenance guidelines:

- **Lens Cleaning:** Regularly clean the camera lens with a soft, damp cloth to remove dirt, dust, or water spots that may obstruct the view. Avoid abrasive cleaners.
- **Connection Check:** Periodically inspect the wiring connections to ensure they are secure and free from corrosion or damage.
- **Waterproof Integrity:** The camera is IP68 waterproof. However, avoid directing high-pressure water jets directly at the camera for extended periods during car washes.



Figure 8.1: The GreenYi backup camera submerged in water, illustrating its IP68 waterproof rating and resistance to various weather conditions like rain and snow.

9. TROUBLESHOOTING

If you encounter issues with your backup camera, refer to the following troubleshooting steps:

Problem	Possible Cause	Solution
No image on screen when in reverse.	<ul style="list-style-type: none"> ◦ Loose or disconnected wiring. ◦ Incorrect wiring harness connection. ◦ Faulty camera or vehicle display. 	<ul style="list-style-type: none"> ◦ Check all electrical connections, ensuring they are secure. ◦ Verify the wiring harness is correctly installed, potentially reusing the original harness if the provided one is incompatible (refer to Section 6.2). ◦ Test with another compatible camera if available, or consult a professional.
Image is blurry, distorted, or poor quality.	<ul style="list-style-type: none"> ◦ Dirty camera lens. ◦ Damaged lens or sensor. ◦ Signal interference or poor connection. 	<ul style="list-style-type: none"> ◦ Clean the camera lens thoroughly. ◦ Inspect the lens for physical damage. ◦ Check wiring for proper shielding and secure connections. ◦ <i>Note: Some users have reported that the image quality might be comparable to or slightly less subtle than the original factory camera. This is generally due to differences in image sensors and processing.</i>
Camera intermittently works or flickers.	<ul style="list-style-type: none"> ◦ Loose connection. ◦ Intermittent power supply. ◦ Wiring damage. 	<ul style="list-style-type: none"> ◦ Inspect all connections for looseness. ◦ Check vehicle's electrical system for stable 12V DC power to the camera. ◦ Examine the wiring harness for any cuts, pinches, or signs of wear.

10. WARRANTY AND SUPPORT

GreenYi provides the following warranty and support for this product:

- **Money Back Guarantee:** One month.
- **New Replacement:** Two years.
- **Customer Service:** Lifetime support.

For warranty claims or technical assistance, please contact GreenYi customer service through the platform where you purchased the product.

