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GreenYi GreenYi-229

GreenYi 56054058AH Rear View Backup Camera Instruction Manual

Model: GreenYi-229 | Brand: GreenYi

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your GreenYi 56054058AH Rear View Backup Camera. This camera is designed as a direct replacement for original equipment (OE) part numbers 4672639AA, 56054058AD, 56054058AE, 56054058AF, 56054058AG, 56054157AG, and 56054058AH. It is compatible with 2011-2014 Dodge Charger and Chrysler 300 vehicle models.

2. WHAT'S IN THE BOX

Verify that all components are present in the package:

- OE backup camera for Dodge Charger & Chrysler 300 (2011-2014 models)
- Thanks Card



Image: The GreenYi 56054058AH backup camera with its integrated cable and connector.

3. KEY FEATURES

- **Direct OE Replacement:** Designed to seamlessly replace original backup cameras in compatible Dodge Charger and Chrysler 300 models from 2011 to 2014.
- **Enhanced Night Vision:** Features advanced imaging for clear, high-definition visuals in both daylight and low-light conditions, improving safety during nighttime reversing.
- **IP68 Waterproof Rating:** Engineered to withstand various environmental conditions, including car washes and heavy rain, ensuring consistent performance.
- **Durable Construction:** Built with a robust housing for enhanced strength, toughness, high-temperature resistance, and wear resistance, preventing deformation.
- **Plug-and-Play Installation:** Simplifies the replacement process by eliminating the need for complex wiring.

IP68 Waterproof



Image: A visual comparison demonstrating the clarity of Starlight Full Color Night Vision provided by the GreenYi camera versus standard night vision.



Image: The backup camera submerged in water, illustrating its IP68 waterproof rating, with insets showing its performance in rain and snow.

4. INSTALLATION

The GreenYi 56054058AH backup camera is designed for a direct, plug-and-play replacement of your vehicle's original camera. No complex wiring modifications are typically required.

Installation Steps:

1. **Preparation:** Ensure your vehicle is turned off and the parking brake is engaged. Gather necessary tools, which may include a trim removal tool, screwdriver, and socket wrench.
2. **Access the Original Camera:** Depending on your vehicle model (Dodge Charger or Chrysler 300), the original camera is typically located in the trunk lid or near the license plate area. You may need to remove interior trim panels to access the camera's mounting points and wiring harness.
3. **Disconnect Old Camera:** Carefully disconnect the electrical connector from the existing backup camera. Remove any mounting screws or clips securing the old camera.
4. **Install New Camera:** Position the GreenYi replacement camera in the original mounting location. Secure it with the factory screws or clips. Connect the camera's electrical connector to the vehicle's wiring harness.
5. **Test Functionality:** Before reassembling all trim panels, turn on your vehicle and shift into reverse to verify that the

new camera is functioning correctly and displaying an image on your vehicle's screen.

6. **Reassemble:** Once confirmed operational, reattach any removed trim panels and ensure all components are securely fastened.

For detailed, vehicle-specific installation guidance, it is recommended to search for instructional videos on platforms like YouTube using your exact vehicle model and the original equipment (OEM) part number found on your old camera.



Image: Detailed dimensions of the camera unit and a close-up of the 6-pin electrical connector, showing its compact design.



Image: A rear view of a Dodge Charger, demonstrating the wide 130-degree viewing angle of the backup camera as displayed on the vehicle's infotainment screen.

Video: A demonstration of the GreenYi 56054058AH OE backup camera, showcasing its appearance and potentially its functionality or installation process.

5. OPERATION

Once installed, the GreenYi backup camera operates automatically when your vehicle is shifted into reverse gear. The camera feed will display on your vehicle's compatible infotainment screen, providing a clear view of the area behind your vehicle.

- **Multi-angle Views:** The camera provides a wide-angle view to assist with parking and maneuvering.
- **Night Vision:** The advanced imaging system ensures visibility even in low-light conditions, enhancing safety during nighttime use.
- **Parking Guidelines:** Dynamic or static parking guidelines may be displayed on the screen to assist with judging distance and trajectory (functionality depends on vehicle's infotainment system).

6. MAINTENANCE

The GreenYi backup camera is designed for durability and minimal maintenance. Follow these guidelines to ensure optimal performance:

- **Cleaning:** Periodically clean the camera lens with a soft, damp cloth to remove dirt, dust, or debris that may obstruct the view. Avoid using abrasive cleaners or harsh chemicals.
- **Water Resistance:** The camera has an IP68 waterproof rating, meaning it is protected against dust and immersion in water. It can withstand car washes and heavy rain without damage.
- **Inspection:** Occasionally inspect the camera and its wiring for any signs of physical damage or loose connections.

7. TROUBLESHOOTING

If you encounter issues with your GreenYi backup camera, consider the following troubleshooting steps:

- **No Image Display:**
 - Ensure the vehicle is in reverse gear.
 - Check all electrical connections to the camera and the vehicle's wiring harness for secure fitment.
 - Verify that your vehicle's infotainment system is functioning correctly.
- **Poor Image Quality:**
 - Clean the camera lens to remove any dirt or smudges.
 - Ensure there are no obstructions blocking the camera's view.
 - Check for any physical damage to the camera lens or housing.
- **Intermittent Operation:**
 - Inspect wiring for any signs of wear, pinching, or corrosion.
 - Ensure the camera is securely mounted and not vibrating.

If these steps do not resolve the issue, consult a qualified automotive technician or contact GreenYi customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	GreenYi-229
Compatible Vehicles	Dodge Charger & Chrysler 300 (2011, 2012, 2013, 2014)
Replaces OE Part Numbers	4672639AA, 56054058AD, 56054058AE, 56054058AF, 56054058AG, 56054157AG, 56054058AH
Product Dimensions	1.81"L x 1.02"W x 1.57"H (46mm x 26mm x 40mm)
Item Weight	2.24 ounces
Installation Type	Original Mounting, Plug and Play
Voltage	12 Volts (DC)
Optical Sensor Technology	CMOS
Lens Type	Wide Angle or Fisheye

Real Angle of View	170 Degrees
Connector Type	Original Connector Compatible with Vehicle
Waterproof Rating	IP68

9. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the documentation included with your purchase or visit the official GreenYi website. You may also contact GreenYi customer service directly for assistance with any product-related inquiries.