

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [RED WOLF](#) /

› [RED WOLF Tailgate Handle Backup Camera Instruction Manual for Chevrolet Silverado/GMC Sierra 1999-2006](#)

RED WOLF C109

RED WOLF Tailgate Handle Backup Camera Instruction Manual

For Chevrolet Silverado/GMC Sierra 1999-2006 (Model C109)

1. INTRODUCTION AND OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of your RED WOLF Tailgate Handle Backup Camera. Designed specifically for 1999-2006 Chevrolet Silverado and GMC Sierra models, this camera system enhances rear visibility, aiding in safer reversing and parking maneuvers. It integrates seamlessly into your vehicle's tailgate handle, offering a clear, wide-angle view of the area behind your truck.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x Tailgate Handle Backup Camera
- 1 x 26 ft (8 meters) RCA Video Output Cable with 12V Power Cable
- Installation Instructions



Image 2.1: Contents of the RED WOLF Tailgate Handle Backup Camera package, showing the camera integrated into the tailgate handle and the coiled RCA video extension cable.

3. COMPATIBILITY

This RED WOLF Tailgate Handle Backup Camera is compatible with the following vehicle models and years:

- **Chevrolet:**
 - 1999-2006 Silverado 1500
 - 1999-2004 Silverado 2500
 - 2001-2003 Silverado 1500 HD
 - 2005-2006 Silverado 1500 HD
 - 2001-2006 Silverado 2500 HD/3500
 - 2007 Silverado 1500/1500 HD/2500 HD/3500 Classic

- **GMC:**

- 1999-2006 Sierra 1500
- 2001-2003 Sierra 1500 HD
- 2005-2006 Sierra 1500 HD
- 1999-2004 Sierra 2500
- 2001-2006 Sierra 2500 HD/3500
- 2007 Sierra 1500/1500 HD/2500 HD/3500 Classic

Note: This camera is designed for aftermarket screens and will not work with factory OEM monitor/navigation units.

4. FEATURES

The RED WOLF Tailgate Handle Backup Camera offers several features to enhance your driving experience:

- **High-Definition Vision:** Equipped with advanced technology for enhanced clarity.
- **Wide Viewing Angle:** Provides a 150° wide viewing angle to minimize blind spots.
- **Night Vision:** Features 0.5 Lux sensitivity for improved visibility in low-light conditions.
- **IP67 Waterproof Rating:** Ensures durability and reliable performance in various weather conditions.
- **Optional Parking Grid Lines:** Includes an 'ON/OFF' switch to control the display of parking guidelines.
- **Universal RCA Connector:** Allows compatibility with most aftermarket monitors and video receivers.

150° WIDE ANGLE LENS NO DISTORTION



Image 4.1: Illustration of the camera's 150-degree wide-angle view, showing the expanded field of vision behind a pickup truck.

FEATURE



IP67 waterproof performance & durability



Durable seal housing, high-temperature resistance

It can be used safely in sun or rain

Image 4.2: Visual representation of the camera's IP67 waterproof rating, showing it functioning reliably in rain and other harsh conditions.

5. SETUP AND INSTALLATION

Installation of the RED WOLF Tailgate Handle Backup Camera is designed to be straightforward, replacing the original tailgate handle without requiring drilling.

5.1 General Installation Steps:

1. Remove the original tailgate handle from your vehicle.
2. Install the new RED WOLF tailgate handle with the integrated camera into the existing opening.
3. Connect the camera's video output cable (RCA connector) to your aftermarket monitor or video receiver.
4. Connect the camera's power cable to a DC 12V power source, typically the reverse light circuit, so the camera activates when the vehicle is in reverse.
5. Route the cables securely to prevent damage and interference.



Unplug black block parking
guideline appear



Plug the black block parking
guideline disappear

Image 5.1: Comparison showing the original tailgate handle and the new RED WOLF tailgate handle with the integrated backup camera installed.

5.2 Parking Grid Line Control:

The camera features an 'ON/OFF' switch for parking guidelines. You can control whether the guidelines appear on your screen by removing or inserting the small black block on the camera's wiring harness. No cutting of wires is required for this function.

SELECT ABLE GUIDELINE (ON/OFF)

RED WOLF



PLUG-GUIDELINE DISAPPEAR

OTHERS



OTHERS



UNPLUG-GUIDELINE APPEAR

Just plug/unplug to decide disappear/
appear parking assist guideline



KEEP CUT

Cut the Guideline Parking Assist
Guideline Disappear

Image 5.2: Diagram illustrating how to enable or disable parking guidelines by plugging or unplugging a small black block on the camera's wiring.

5.3 NTSC/PAL Switcher:

The camera includes a white cable for NTSC/PAL switching. Plug the black button for NTSC mode or unplug it for PAL mode, depending on your monitor's compatibility.

WHITE CABLE — NTSC / PAL SWITCHER



Image 5.3: Close-up of the white cable and black button used to switch between NTSC and PAL video output modes.

5.4 Installation Video Reference:

Your browser does not support the video tag.

Video 5.4: An official RED WOLF video demonstrating the installation process and features of the Tailgate Handle Backup Camera for Chevy Sierra 1999-2006 1500/2500/3500HD.

6. OPERATING INSTRUCTIONS

Once properly installed, the RED WOLF Tailgate Handle Backup Camera operates automatically:

1. Engage your vehicle's reverse gear.
2. The camera will automatically activate and display the rear view on your connected aftermarket monitor.
3. Observe the display for obstacles and use the parking guidelines (if enabled) to assist with parking and reversing.
4. Shift out of reverse gear to deactivate the camera.



Image 6.1: Example of the backup camera's view displayed on an in-car monitor, showing parking lines and surrounding vehicles.

7. MAINTENANCE

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

- **Clean the Lens:** 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.
- **Inspect Wiring:** Periodically check the wiring for any signs of wear, damage, or loose connections. Secure any loose cables.
- **Avoid High-Pressure Washing:** While the camera is IP67 waterproof, avoid directing high-pressure water jets directly at the camera lens or housing during vehicle washing to prevent potential damage.

8. TROUBLESHOOTING

If you encounter issues with your RED WOLF Tailgate Handle Backup Camera, refer to the following troubleshooting steps:

- **No Image on Monitor:**
 - Ensure all cable connections (RCA, power) are secure.
 - Verify the camera is receiving 12V power when the vehicle is in reverse.

- Check your aftermarket monitor settings to ensure the correct video input is selected.
- Confirm the NTSC/PAL setting matches your monitor (refer to Section 5.3).

- **Poor Image Quality (Blurry, Distorted, or Lines):**

- Clean the camera lens thoroughly.
- Check for any kinks or damage in the RCA video cable.
- Ensure the power connection is stable and free from electrical interference. Some users have reported interference with audio systems; ensure proper grounding and shielding.

- **Parking Guidelines Not Appearing/Disappearing:**

- Check the status of the black block on the wiring harness (refer to Section 5.2). Ensure it is correctly plugged in or unplugged according to your preference.

- **Loose Fitment of Tailgate Handle:**

- Ensure the handle is properly seated and secured. Some aftermarket handles may require minor adjustments or additional adhesive for a snug fit.

9. SPECIFICATIONS

Specification	Detail
Model	C109 (Korea pc7080 chip)
Output Resolution	1920*1080 (1080P)
Camera System	NTSC / PAL (selectable)
Visual Angle	150 Degrees (Wide Angle Lens)
Optical Sensor Technology	CCD
Optical Sensor Size	0.33 Inches
Minimum Illumination	0.5 Lux (for enhanced night vision)
Waterproof Rating	IP67
Power Supply	12 Volts DC
Connector Type	RCA
Operating Temperature	-40°C to 80°C

10. WARRANTY AND SUPPORT

For warranty information, product support, or to purchase extended protection plans, please refer to the product's purchase page or contact RED WOLF customer service directly. Protection plans are available for 2-year and 3-year durations, offering additional coverage for your product.