SOUND OFF RO-WPCB-KSZF

SOUND OFF NX613 Rear Camera External Navigation Conversion Kit (HB-01D-5P) User Manual

Model: RO-WPCB-KSZF

1. Introduction

This manual provides instructions for the installation and operation of the SOUND OFF NX613 Rear Camera External Navigation Conversion Kit (HB-01D-5P), model RO-WPCB-KSZF. This kit allows you to connect an aftermarket rear camera to a compatible navigation system that accepts a standard RCA pin jack input.
The conversion kit is designed to be compact, facilitating easy placement during navigation system installation. It enables the navigation monitor to automatically display the camera footage when the vehicle is in reverse.

2. Safety Information

Please read all safety instructions before installation and use. Failure to follow these instructions may result in damage to the product, vehicle, or personal injury.

- Installation should be performed by a qualified professional if you are not familiar with automotive electrical systems.
- Disconnect the vehicle's battery before beginning installation to prevent electrical shorts.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Do not obstruct airbags or other safety devices during installation.
- This product is intended to assist with parking and reversing; it is not a substitute for safe driving practices. Always check your surroundings visually.

3. Package Contents

Verify that all components are present before proceeding with installation:

- NX613 Rear Camera External Navigation Conversion Kit (HB-01D-5P)



Figure 1: The NX613 Rear Camera External Navigation Conversion Kit. This image shows the main component of the kit, featuring a green multi-pin connector on one end, a yellow RCA male connector on the other, and red/black power wires. The wires are bundled with a white cable tie.

4. Setup and Installation

This section outlines the general steps for installing the conversion kit. Specific vehicle wiring diagrams may be required for your particular car model.

4.1 Identifying Connections



Figure 2: Close-up view of the green multi-pin connector. This connector is designed to interface with the vehicle's existing wiring harness,

typically behind the navigation unit.

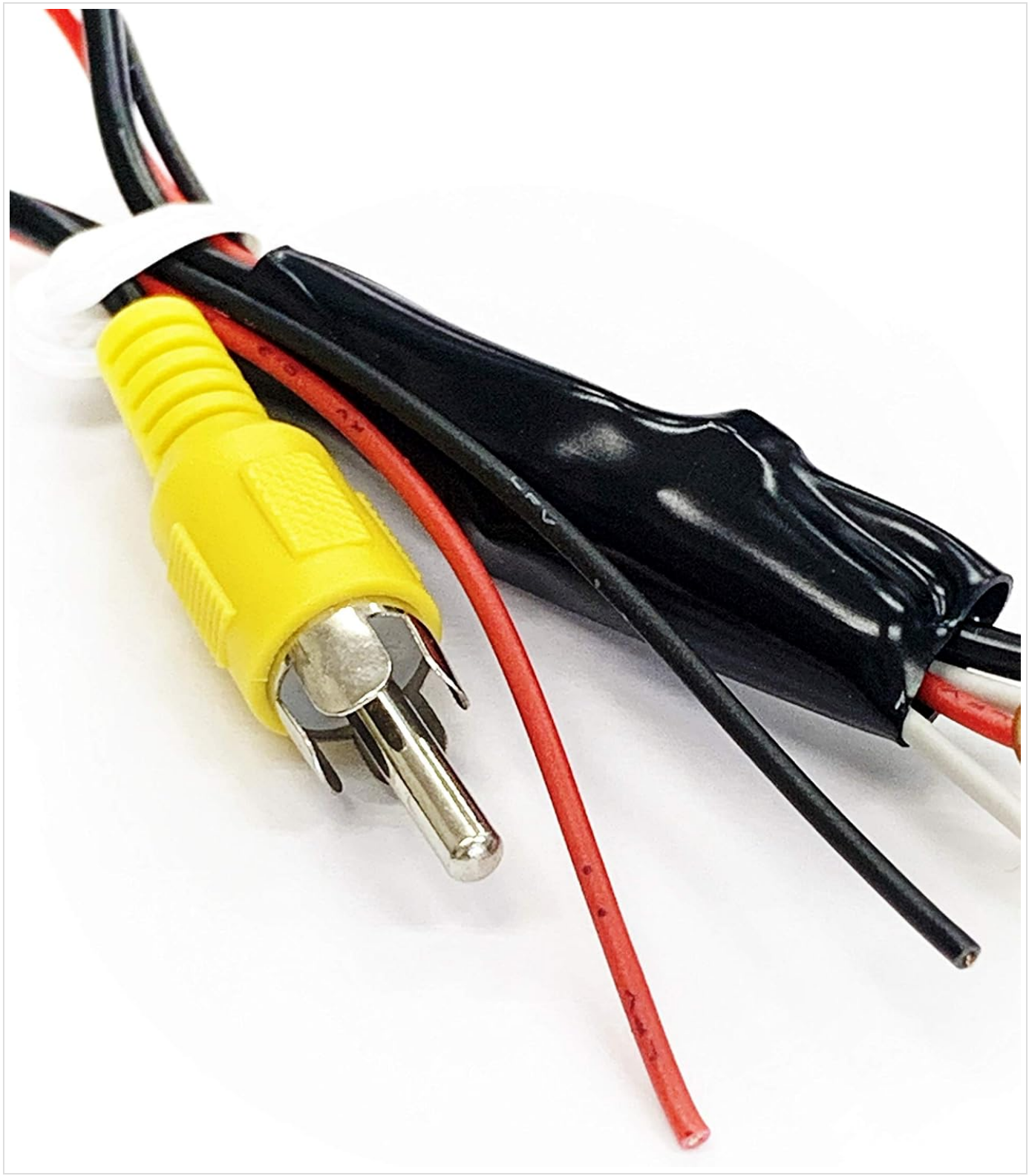


Figure 3: Close-up view of the yellow RCA male connector and power wires. The yellow RCA connector is for video input to the navigation system. The red wire is for positive power, and the black wire is for ground.

4.2 Installation Steps

1. **Prepare the Vehicle:** Ensure the vehicle is turned off and the battery is disconnected.
2. **Access Navigation Unit:** Carefully remove the trim panels and screws necessary to access the rear of your vehicle's navigation or head unit.
3. **Connect to Navigation Unit:** Locate the compatible multi-pin connector on the back of your navigation unit. Connect the green multi-pin connector of the conversion kit to this port.

4. **Connect Rear Camera:** Connect the yellow RCA male connector from the conversion kit to the video output RCA cable of your aftermarket rear camera.
5. **Power Connections:**
    - Connect the **red wire** from the conversion kit to a 12V reverse signal wire in your vehicle. This signal typically activates when the vehicle is shifted into reverse.
    - Connect the **black wire** from the conversion kit to a reliable ground point in the vehicle chassis.
6. **Route Cables:** Carefully route all cables to avoid pinching or interference with moving parts. Secure them with cable ties if necessary.
7. **Test Connection:** Before reassembling the dashboard, reconnect the vehicle battery. Turn on the ignition and shift the vehicle into reverse (with the parking brake engaged). Verify that the navigation monitor automatically switches to display the rear camera feed.
8. **Reassemble:** Once confirmed operational, carefully reassemble all removed panels and components.

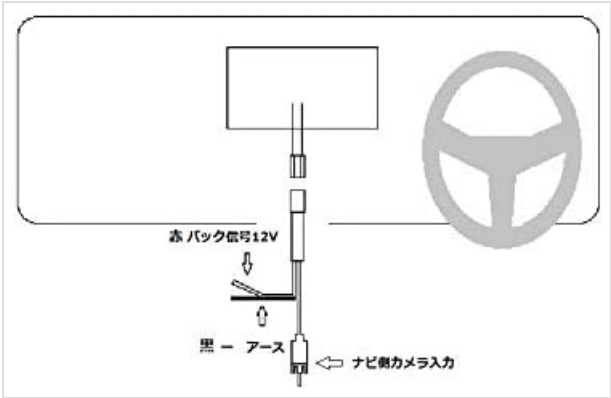


Figure 4: Simplified wiring diagram. This diagram illustrates the connection points: the green connector to the navigation unit, the yellow RCA to the camera input, the red wire to the 12V reverse signal, and the black wire to ground.

5. Operating Instructions

Once properly installed, the operation of the rear camera conversion kit is automatic.

- When the vehicle's transmission is shifted into reverse, the navigation monitor will automatically switch its display to show the video feed from the connected rear camera.
- When the vehicle is shifted out of reverse, the navigation monitor will return to its previous display mode (e.g., navigation, audio, etc.).

Ensure your rear camera is functioning correctly and provides a clear image for optimal use.

6. Maintenance

The NX613 Rear Camera External Navigation Conversion Kit requires minimal maintenance.

- Periodically check all cable connections to ensure they remain secure and free from corrosion.
- Ensure the cables are not exposed to excessive heat, moisture, or physical stress.
- Keep the area around the conversion kit free from debris.

If you experience issues, refer to the Troubleshooting section before attempting any repairs.

7. Troubleshooting

If you encounter problems with your conversion kit, consult the following table:

Problem	Possible Cause	Solution
No image on monitor when in reverse.	• Incorrect wiring of the conversion kit. • Rear camera not powered or faulty. • Reverse signal not detected by the kit. • Loose RCA connection.	• Verify all connections according to the installation steps. • Check power supply to the rear camera. Test the camera independently if possible. • Ensure the red wire is connected to a reliable 12V reverse signal. • Securely connect the yellow RCA cable.
Flickering or distorted image.	• Poor ground connection. • Interference from other electrical components. • Damaged RCA cable or connectors.	• Ensure the black ground wire is connected to a clean, bare metal chassis point. • Reroute cables away from power lines or ignition components. • Inspect RCA cables for damage and replace if necessary.
Monitor does not switch automatically.	• Reverse signal wire not connected or faulty. • Navigation unit settings.	• Verify the red wire is correctly connected to a 12V reverse signal that activates when the vehicle is in reverse. • Consult your navigation unit's manual for specific settings related to rear camera input and automatic switching.

8. Specifications

Model Number	RO-WPCB-KSZF
Product Name	NX613 Rear Camera External Navigation Conversion Kit (HB-01D-5P)
Brand	SOUND OFF
Package Dimensions	20.3 x 12.5 x 1.9 cm
Item Weight	28 g
ASIN	B01BXKMJ5O
Other Display Features	Wireless (Note: This refers to the display features of the connected navigation unit, not the conversion kit itself.)

9. Warranty Information

This product comes with a**1-year warranty** from the date of purchase. The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, accident, abuse, misuse, natural disaster, or unauthorized modification.
Please retain your proof of purchase for warranty claims.

10. Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact your retailer or the manufacturer's customer support channel.
When contacting support, please have the following information ready:

- Product Model Number: RO-WPCB-KSZF
- Purchase Date
- Description of the issue

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question