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› Malcayang Rear Window Heater Button Defrost Defog Switch User Manual

## Malcayang K136-66-460

# Malcayang Rear Window Heater Button Defrost Defog Switch User Manual

Model: K136-66-460

Brand: Malcayang

## 1. INTRODUCTION AND OVERVIEW

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This manual provides essential information for the installation, operation, and maintenance of your Malcayang Rear Window Heater Button Defrost Defog Switch. This product is designed as a high-quality aftermarket replacement, engineered and tested to meet original equipment (OE) specifications. It is built for lasting durability and resistance to abrasion and environmental corrosion.



Figure 1: Front view of the Malcayang Rear Window Heater Button Defrost Defog Switch. This image shows the button with the defrost/defog icon clearly visible, indicating its primary function.

## 2. PRODUCT FEATURES

- **Direct Replacement:** Specifically designed to replace old or damaged heater switches, restoring functionality and aesthetic appeal to your vehicle's interior.
- **High Durability:** Constructed from high-quality materials to ensure longevity and resistance against wear, tear, and environmental factors.
- **OE Standard Compliance:** Manufactured and tested under strict standards to meet or exceed original equipment specifications, ensuring reliable performance.
- **Easy Installation:** Engineered for straightforward installation without the need for complex modifications to your vehicle's existing wiring or dashboard.
- **Fade-Resistant Pattern:** The defrost/defog icon on the button is designed to resist fading over time, maintaining clear visibility.

### 3. COMPATIBILITY

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This Malcayang Rear Window Heater Button Defrost Defog Switch is compatible with the following vehicle models. Please verify the part number and your vehicle's specifications before purchase to ensure proper fitment.

- For Kia Pride (1995-2021)
- For Ford ECONOVAN RE (1998-2021)

**Reference Part Numbers:** K136-66-460, KK13666460

*Note: Compatibility information is for reference only. Always check the OE number carefully before ordering. If you are unsure, please provide your Vehicle Identification Number (VIN) to a qualified technician or supplier to confirm the correct part for your vehicle.*

### 4. SPECIFICATIONS

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Attribute	Detail
Model Number	K136-66-460
Manufacturer	Malcayang
Package Dimensions	2.36 x 1.97 x 1.57 inches
Item Weight	2.47 ounces
Operation Mode	Manual
Contact Type	Normally Open
Terminal Type	Button
Circuit Type	1-way
Actuator Type	Push Button
Contact Material	Copper
Number of Positions	1
Control Method	Touch

### 5. SETUP AND INSTALLATION

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The Malcayang Rear Window Heater Button Defrost Defog Switch is designed for easy installation. However, if you are not familiar with automotive electrical systems, it is highly recommended to seek professional assistance to avoid damage to the product or your vehicle.

1. **Safety First:** Before beginning any installation, ensure your vehicle's ignition is off and the battery's negative terminal is disconnected to prevent electrical shorts or injury.
2. **Locate Existing Switch:** Identify the location of the existing rear window heater switch in your vehicle's dashboard or console.
3. **Remove Old Switch:** Carefully pry out or unclip the old switch from its housing. Depending on your vehicle model, this may require specific tools or techniques. Refer to your vehicle's service manual if necessary.
4. **Disconnect Wiring:** Once the old switch is accessible, disconnect the electrical connector(s) from its rear. Note the orientation of the connectors if there are multiple.
5. **Connect New Switch:** Align the new Malcayang switch with the vehicle's electrical connector(s) and firmly push them into

place until they click securely. Ensure all connections are snug.

6. **Install New Switch:** Carefully insert the new switch into the dashboard or console opening. Apply gentle, even pressure until it snaps into place. Ensure it is flush with the surrounding trim.
7. **Reconnect Battery:** Reconnect the negative terminal of your vehicle's battery.
8. **Test Functionality:** Turn on your vehicle's ignition and test the new rear window heater switch to ensure it operates correctly. Verify that the defrost/defog function activates and deactivates as expected.



Figure 2: Side view of the switch, illustrating its compact housing and the general shape for fitting into a dashboard slot.



Figure 3: Bottom view of the switch, highlighting the copper electrical terminals. These terminals are crucial for connecting the switch to the vehicle's wiring harness.

## 6. OPERATING INSTRUCTIONS

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Operating the Malcayang Rear Window Heater Button Defrost Defog Switch is straightforward:

- To activate the rear window defrost/defog function, press the button firmly. An indicator light (if present in your vehicle's system) may illuminate to confirm activation.
- To deactivate the function, press the button again. The indicator light should turn off.

The switch is designed for simple on/off control of your vehicle's rear window heating element.

## 7. MAINTENANCE

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The Malcayang Rear Window Heater Button Defrost Defog Switch requires minimal maintenance:

- **Cleaning:** Use a soft, damp cloth to wipe the surface of the switch if it becomes dirty. Avoid using harsh chemicals or abrasive cleaners, as these can damage the plastic or the printed icon.
- **Inspection:** Periodically inspect the switch for any signs of physical damage, loose connections, or unusual operation.
- **Environmental Protection:** While designed to resist environmental corrosion, avoid exposing the switch to excessive moisture or extreme temperatures beyond normal vehicle operating conditions.

## 8. TROUBLESHOOTING

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If you experience issues with your Malcayang Rear Window Heater Button Defrost Defog Switch, consider the following troubleshooting steps:

- **Switch Not Activating:**

- Ensure the vehicle's ignition is on.
- Check the fuse for the rear window defrost system in your vehicle's fuse box. A blown fuse will prevent the system from operating.
- Verify that the electrical connections to the switch are secure and free of corrosion.

- **Intermittent Operation:**

- This could indicate a loose connection. Re-check the wiring harness connection to the switch.
- Inspect the switch for any physical damage or debris that might be obstructing its internal mechanism.

- **Indicator Light Not Working (if applicable):**

- If the defrost function works but the light does not, the issue might be with the indicator light itself or its circuit, not necessarily the switch's primary function.

If these steps do not resolve the issue, it is recommended to consult a qualified automotive technician for diagnosis and repair.

## 9. WARRANTY AND SUPPORT

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This Malcayang Rear Window Heater Button Defrost Defog Switch comes with a **90-day warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any questions regarding your product, please contact the seller or Malcayang customer service through the platform where the purchase was made. Please have your purchase details and the product model number (K136-66-460) ready when contacting support.