

## VGETTING MB638B02K

# VGETTING LED Tail Lights Instruction Manual for Mitsubishi Lancer EVO X (2008-2020)

Model: MB638B02K

## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your VGETTING LED Tail Lights for the Mitsubishi Lancer EVO X (2008-2020). Please read this manual thoroughly before installation and use to ensure proper function and safety.

## 2. PRODUCT OVERVIEW

The VGETTING LED Tail Lights are designed as a direct replacement for the original taillights of the Mitsubishi Lancer EVO X (2008-2020 sedan models only, not compatible with Sportbacks). These lights feature a smoked lens, bright LED illumination, sequential amber turn signals, red brake lights, and bright white reverse lights. They also include a dynamic start-up animation for enhanced vehicle aesthetics and safety.



*Figure 2.1: VGETTING LED Tail Lights installed on a Mitsubishi Lancer EVO X.*



Figure 2.2: Product details highlighting the smoked PC lens, bright LED light, and decoding resistor.

### 3. SPECIFICATIONS

Brand	VGETTING
Model Number	MB638B02K
Vehicle Compatibility	Mitsubishi Lancer EVO X (2008-2020 Sedan models)
Lens Color	Smoked
Housing Color	Black
Operating Voltage	DC 12V
Material	ABS Plastic Housing + PC Lens
Waterproof Rating	IP67

Certification	DOT
Light Functions	LED Driving Light, Amber Sequential Turn Signal, Red Brake Light, Bright White Reverse Light, Dynamic Start-Up Animation
Interchange Part Numbers	MI2804100, MI2805100, MI2804103, MI2805103
Manufacturer Part Numbers	8330A107, 8330A108, 8330A621, 8330A622



Figure 3.1: Durability features: IP67 Waterproof, Dustproof, and Long Life.

#### 4. PACKAGE CONTENTS

The package includes the following items:

- 1 Pair Outer Tail Lights (Driver & Passenger Side)
- 1 Pair Inner Tail Lights (Driver & Passenger Side)
- Necessary Installation Accessories (Wiring harnesses, connectors)
- 1 User Manual (This document)





Figure 4.1: Included components: tail lights and wiring.

## 5. INSTALLATION (SETUP)

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### **Professional installation is strongly recommended.**

Before beginning, ensure your vehicle is turned off and the battery is disconnected to prevent electrical shorts. Verify that the product is suitable for your vehicle model and year (Mitsubishi Lancer EVO X 2008-2020 Sedan, not Sportbacks).

### 5.1. Required Tools

- Wrench
- 10mm Socket
- Crow Plate (Trim Removal Tool)
- Phillips Screwdriver

### 5.2. Installation Steps

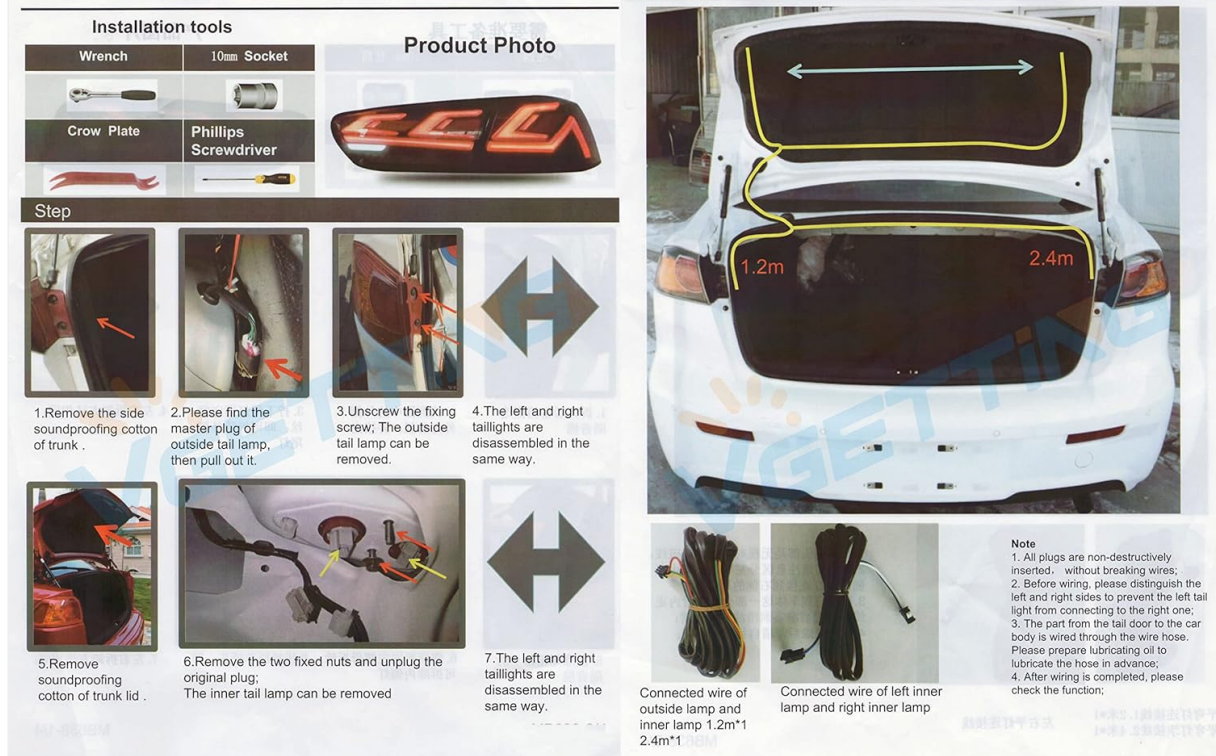


Figure 5.1: Visual guide for tail light installation.

1. **Remove Soundproofing Cotton:** Carefully remove the side soundproofing cotton of the trunk using a crow plate or trim removal tool.
2. **Locate and Unplug Wiring:** Find and unplug the master plug of the outside tail lamp.
3. **Unscrew Fixing Screws:** Unscrew the fixing screws holding the outside tail lamp. The outside tail lamp can now be removed.
4. **Repeat for Other Side:** The left and right taillights are disassembled in the same way.
5. **Remove Soundproofing Cotton of Trunk Lid:** Remove the soundproofing cotton of the trunk lid to access the inner tail lights.
6. **Unplug Inner Tail Lights:** Remove the two fixed nuts and unplug the original plug for the inner tail lamp. The inner tail lamp can now be removed.
7. **Repeat for Other Side:** The left and right inner taillights are disassembled in the same way.
8. **Connect New Tail Lights:**
  - Connect the provided wiring harnesses to the new outer and inner tail lights.
  - Connect the new tail lights to the vehicle's wiring using the OE compatible connectors.
  - Ensure all plugs are non-destructively inserted.
  - Route the connected wire of the left inner lamp and right inner lamp (approximately 1.2m each) to the appropriate locations.
  - Route the connected wire of the outside lamp and inner lamp (approximately 2.4m) to the appropriate locations.
  - Connect the switch for the start animation if desired.
9. **Secure New Tail Lights:** Install the new outer and inner tail lights by reversing the removal steps. Secure them with the original screws and nuts.
10. **Test Functionality:** Before reassembling all trim, reconnect the battery and test all light functions:

driving light, turn signals (sequential), brake lights, reverse lights, and dynamic start-up animation.

11. **Reassemble Trim:** Once all functions are verified, reattach the soundproofing cotton and any other removed trim pieces.

*Note: Some wiring may require routing through the trunk lid or body. Prepare lubricant oil to lubricate the hose in advance if needed.*



Figure 5.2: Wiring connection points for the tail light assembly.



## ***Installation Effect***



*Figure 5.3: Visual comparison of original versus new tail light installation effect.*

## **6. OPERATION**

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The VGETTING LED Tail Lights integrate multiple lighting functions for enhanced visibility and style:

- **Driving Light:** Illuminates when headlights are on, providing continuous rear visibility.
- **Sequential Turn Signal:** Amber LEDs illuminate in a dynamic, sequential pattern to clearly indicate turns.
- **Brake Light:** Bright red LEDs activate when the brake pedal is pressed, signaling deceleration.
- **Reverse Light:** Bright white LEDs activate when the vehicle is in reverse gear, illuminating the area behind the vehicle.
- **Dynamic Start-Up Animation:** A unique light sequence that plays when the vehicle is started, adding a distinctive visual effect. This feature can be controlled via the dedicated switch if installed.





***Driving Light***



***Turn Signal***



***Brake Light***



***Reverse Light***

Figure 6.1: Demonstration of various light functions.

# ***Sequential Turn Signal***



Figure 6.2: Sequential turn signal in action.

## **7. MAINTENANCE**

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These LED tail lights are designed for long-term durability and minimal maintenance. Follow these guidelines to ensure optimal performance:

- **Cleaning:** Clean the lens with a soft cloth and mild automotive cleaning solution. Avoid abrasive cleaners or harsh chemicals that could damage the lens material.
- **Inspection:** Periodically inspect the lights for any signs of damage, loose connections, or moisture intrusion. Although rated IP67 waterproof, extreme conditions or physical damage can compromise seals.
- **Bulb Replacement:** As these are full LED units, individual bulb replacement is not typically required. If an LED segment fails, the entire unit may need to be replaced.

## **8. TROUBLESHOOTING**

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If you encounter any issues with your VGETTING LED Tail Lights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights not illuminating	Loose wiring connection, blown fuse, incorrect installation.	Check all wiring connections for secure fitment. Inspect vehicle's fuse box for blown fuses related to tail lights. Review installation steps.
One light function not working (e.g., turn signal only)	Specific wiring for that function is loose or incorrectly connected.	Verify the specific wiring for the affected function. Ensure the correct plug is connected to the correct input.
Flickering or inconsistent light output	Poor electrical connection, voltage fluctuation, faulty unit.	Ensure all connections are tight and free of corrosion. Check vehicle's electrical system. If problem persists, contact support.
Moisture inside the lens	Compromised seal, improper installation.	Ensure the light unit is properly seated and all seals are intact. If moisture persists, contact support.

If the issue cannot be resolved using the troubleshooting guide, please contact VGETTING customer support for further assistance.

## 9. WARRANTY AND SUPPORT

For any questions regarding product suitability, installation, or performance after receiving the product, please contact VGETTING customer support. While this manual provides detailed instructions, professional installation is recommended to ensure proper function and to avoid potential damage during installation. Please retain your purchase receipt for any warranty claims. Specific warranty terms and conditions may apply and can be obtained by contacting VGETTING directly.

### Related Documents - MB638B02K



#### [Atmosphere Light APP Settings and Troubleshooting Guide](#)

Learn how to adjust brightness, calibrate colors, and activate your atmosphere light strip using the dedicated mobile app. Includes common Q&A and troubleshooting tips for VGETTING ambient lighting systems.