Fancemot 25129

Fancemot LED Front Bumper Fog Lights User Manual

Model: 25129 | Compatible with 2013-2016 Ford Fusion (Style 3)

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Fancemot LED Front Bumper Fog Lights. These lights are designed to enhance the appearance and safety of your 2013-2016 Ford Fusion by upgrading standard fog lamp covers to multifunctional LED lights. The system includes white daytime running lights (DRL), amber turn signal lights, and blue low beam lights.

2. Product Overview

2.1 Key Features

- **Multifunctional Lighting:** Features white driving lights for DRL, amber for turn signals, and blue for low beam headlights.
- **High Brightness LED:** Ensures superior lighting performance and enhanced visibility.
- **Durable Construction:** IP67 waterproof rating, shockproof, impact resistant, and dustproof design to withstand harsh weather conditions.
- **Vehicle Specific Fit:** Exclusively designed for 2013-2016 Ford Fusion models, ensuring a perfect match.

2.2 What's in the Box

The package includes the following components:

- 1 Pair of LED Front Bumper Fog Lights (Left and Right)
- Wiring Harness

2.3 Product Visuals



Figure 1: Detailed view of the Fancemot LED fog light assembly.



Figure 2: Fancemot LED Front Bumper Fog Light assembly.



Figure 3: Close-up of the Fancemot LED fog light showing the DRL strip.



Figure 4: Fancemot LED fog light with dimensions.

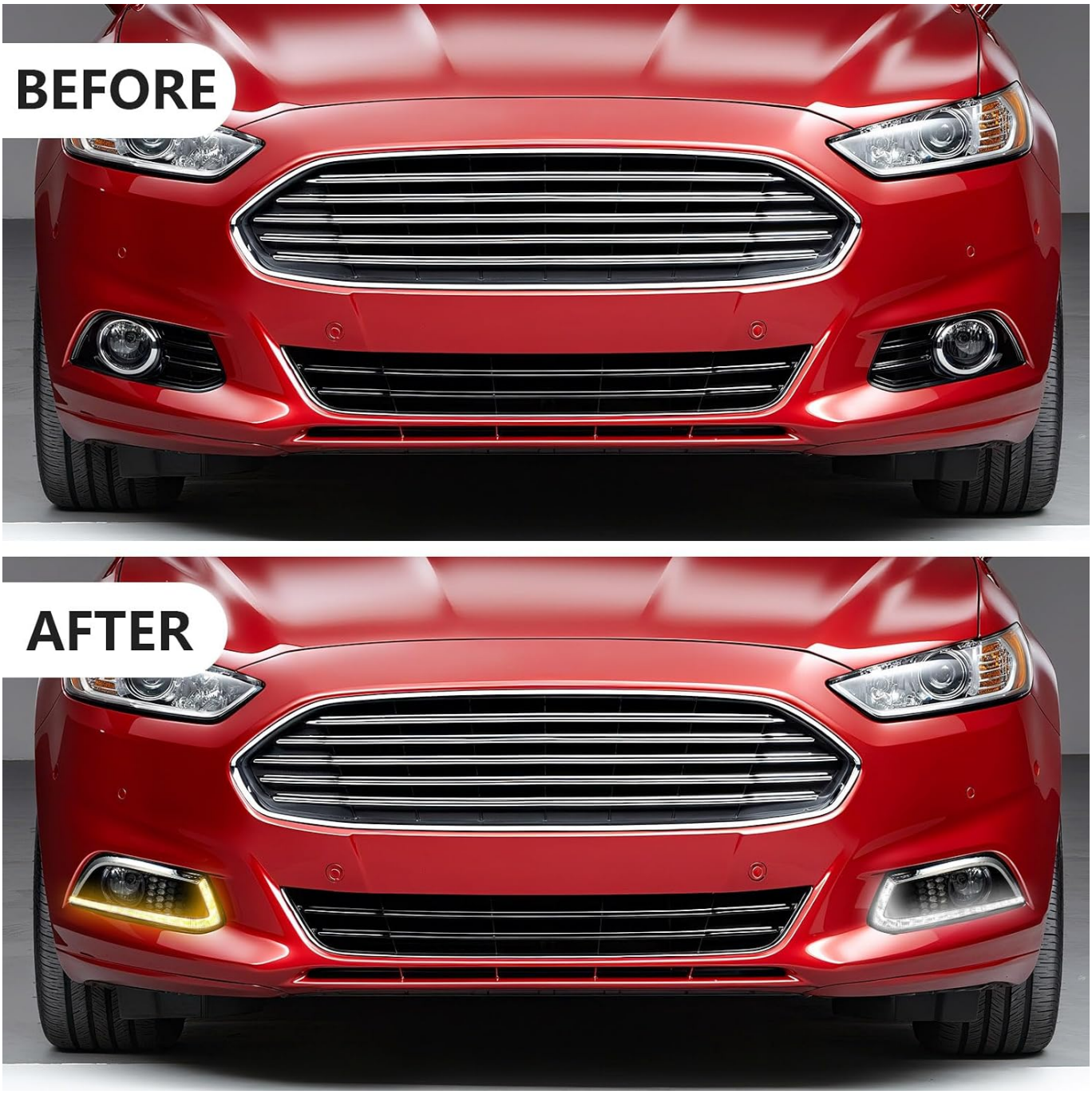


Figure 5: Fancemot LED fog light from a different angle.



Figure 6: Fancemot LED fog light showing the rear housing.



Figure 7: Fancemot LED fog light with wiring harness.

3. Setup and Installation

These fog lights are designed for direct replacement of the standard fog lamp covers on 2013-2016 Ford Fusion models. Professional installation is recommended.

3.1 Pre-Installation Checklist

- Ensure the vehicle's ignition is off and the battery is disconnected.
- Gather necessary tools (e.g., screwdrivers, wire strippers, electrical tape, zip ties).
- Verify all components are present and undamaged.

3.2 Installation Steps

1. **Remove Existing Components:** Carefully remove the original fog lamp covers or existing fog lights from the front bumper

of your Ford Fusion. Refer to your vehicle's service manual for specific removal procedures.

2. **Mount New Fog Lights:** Install the Fancemot LED fog light assemblies into the bumper openings. Ensure they are securely fastened.
3. **Wiring Connections:** Connect the provided wiring harness to the new LED fog lights and integrate it with your vehicle's electrical system. Follow the wiring diagram below:

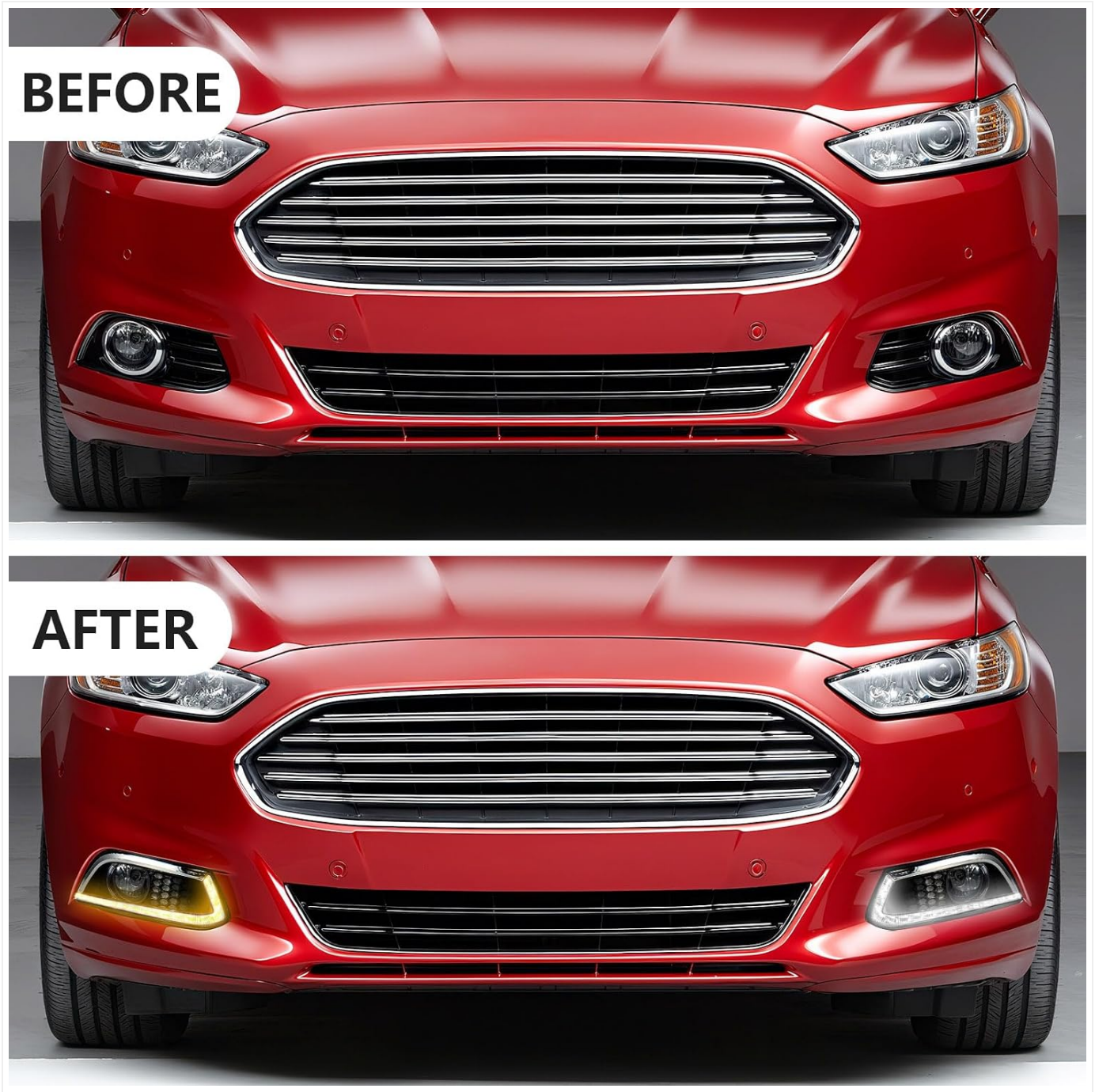


Figure 8: Wiring diagram for Fancemot LED fog lights.

- **Yellow Wire:** Connect to the vehicle's left turn signal circuit.
- **Black Wire:** Connect to a reliable ground point on the vehicle chassis.
- **White Wire:** Connect to the vehicle's low beam headlight circuit.
- **Red Wire:** Connect to an Accessory (ACC) power source, which provides power when the ignition is on.

4. **Secure Wiring:** Route and secure all wiring to prevent chafing or interference with moving parts. Use zip ties as needed.
5. **Reconnect Battery:** Once all connections are secure, reconnect the vehicle's battery.
6. **Test Functionality:** Turn on the vehicle's ignition and test all light functions (DRL, turn signals, low beams) to ensure proper

operation.



Figure 9: Product features including waterproof, shockproof, impact resistance, and dustproof.

4. Operating Instructions

The Fancemot LED Front Bumper Fog Lights offer three distinct lighting functions:

- **White Daytime Running Lights (DRL):** These lights illuminate automatically when the vehicle's ignition is on, providing enhanced visibility during daylight hours.
- **Amber Turn Signal Lights:** When the turn signal is activated, the amber lights will flash, indicating your intended direction to other drivers.
- **Blue Low Beam Lights:** These lights activate in conjunction with your vehicle's low beam headlights, providing additional illumination.

The system is designed to switch between these functions as needed, adapting to driving conditions and vehicle signals.



Figure 10: Illustration of light functions: white (DRL), blue (low beam), and amber (turn signal).



Figure 11: Visual representation of the lighting modes on a Ford Fusion.

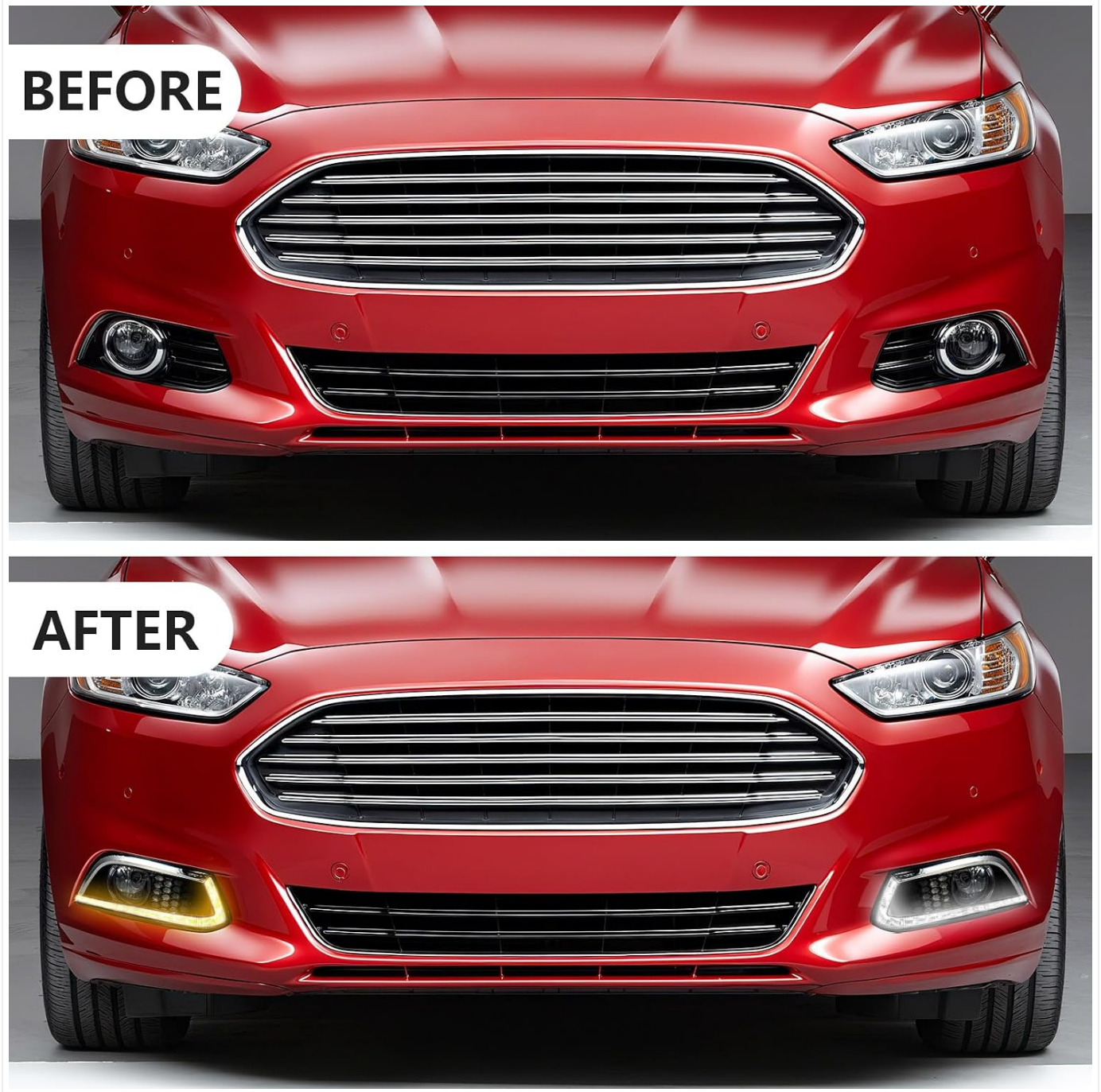


Figure 12: Before and after installation comparison on a Ford Fusion.

5. Maintenance

The Fancemot LED Front Bumper Fog Lights are designed for durability and minimal maintenance.

- **Cleaning:** Periodically clean the lens surfaces with a soft cloth and mild automotive cleaner to ensure optimal light output. Avoid abrasive cleaners or harsh chemicals.
- **Inspection:** Regularly inspect the lights and wiring for any signs of damage, loose connections, or corrosion.
- **Waterproof Rating:** The IP67 waterproof rating ensures protection against dust and temporary immersion in water. However, avoid high-pressure washing directly onto the light seals.

6. Troubleshooting

If you encounter issues with your Fancemot LED Front Bumper Fog Lights, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Lights do not turn on	Loose wiring connection, blown fuse, incorrect wiring, power supply issue.	Check all wiring connections for tightness. Inspect vehicle fuses related to fog lights/DRL. Verify wiring against the diagram in Section 3.2. Ensure ACC power is present.
One light not working (e.g., driver's side white light)	Faulty LED module, damaged wiring to that specific light, internal component failure.	Inspect wiring to the affected light for damage. If wiring is intact, the LED module may be faulty. Contact customer support for assistance.
Lights flicker or dim	Unstable power supply, loose connection, voltage fluctuations.	Ensure stable power connection. Check for loose ground wires. Consult an automotive electrician if the issue persists.
Incorrect light function (e.g., turn signal not amber)	Incorrect wiring to vehicle's signal circuits.	Re-check wiring connections for the yellow, white, and red wires against the diagram in Section 3.2.

If these steps do not resolve the issue, please contact Fancemot customer support.

7. Specifications

Feature	Detail
Brand	Fancemot
Model Number	25129
Compatible Vehicle	2013-2016 Ford Fusion
Light Source Type	LED
Light Functions	White DRL, Amber Turn Signal, Blue Low Beam
Special Features	Waterproof (IP67), Shockproof, Impact Resistance, Dustproof
Lens Material	Polycarbonate
Lens Color	Clear
Item Dimensions (L x W x H)	4 x 4 x 9 inches
Item Weight	3.3 pounds
Unit Count	2.0 Count (1 Pair)

8. Warranty and Support

8.1 Warranty Information

Fancemot provides a **12-month warranty** for these LED Front Bumper Fog Lights from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as intended under normal use. It does not cover damage

resulting from improper installation, accident, misuse, abuse, or unauthorized modifications.

8.2 Customer Support

For any inquiries, technical assistance, or warranty claims, please contact Fancemot customer service. We offer lifetime after-sales customer service support to address any issues you may encounter.
Please have your product model number (25129) and proof of purchase ready when contacting support.

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