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› Spyder Auto 5001368 LED Tail Lights Chrome/Clear User Manual

Spyder 5001368

Spyder Auto 5001368 LED Tail Lights User Manual

Model: **5001368** | Brand: **Spyder Auto**

1. PRODUCT OVERVIEW

The Spyder Auto 5001368 LED Tail Lights are designed to provide enhanced illumination and a distinct appearance for your vehicle. Featuring LED technology, these tail lights offer improved brightness and longevity compared to traditional incandescent bulbs. This model comes with a chrome housing and clear lens, ensuring a modern and clean look.



Image 1.1: Front view of the Spyder Auto 5001368 LED Tail Lights, showcasing the chrome interior and clear lens design.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installation or operation. Failure to follow these guidelines may result in injury, damage to the product, or damage to your vehicle.

- **Professional Installation Recommended:** For optimal safety and performance, professional installation by

a qualified technician is highly recommended.

- **Disconnect Power:** Always disconnect the vehicle's battery before beginning any electrical work to prevent electrical shock or short circuits.
- **Handle with Care:** The tail light assemblies contain delicate electronic components. Handle them carefully to avoid damage.
- **Proper Tools:** Use only appropriate tools for installation. Incorrect tools can damage fasteners or the product.
- **Check Local Regulations:** Ensure that the installation and operation of these tail lights comply with all local and national vehicle lighting regulations.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- Left LED Tail Light Assembly (1)
- Right LED Tail Light Assembly (1)
- Integrated Wiring Harnesses (Pre-attached)

4. INSTALLATION AND SETUP

This section outlines the general steps for installing your new LED tail lights. Specific vehicle models may have variations in the removal and mounting process. Refer to your vehicle's service manual for detailed instructions on removing existing tail lights.

4.1. Tools Required

- Socket Wrench Set
- Screwdriver Set (Phillips and Flathead)
- Plastic Trim Removal Tool (Optional, but recommended to prevent scratches)
- Electrical Tape or Heat Shrink Tubing (If custom wiring is needed)

4.2. Installation Steps

1. **Prepare Vehicle:** Park the vehicle on a level surface and engage the parking brake. Disconnect the negative terminal of the vehicle's battery to prevent electrical hazards.
2. **Access Existing Tail Lights:** Open the trunk or tailgate to access the mounting bolts or clips for the factory tail lights. Carefully remove any interior trim panels if necessary.
3. **Remove Factory Tail Lights:** Unscrew or unclip the mounting hardware securing the existing tail light assembly. Gently pull the assembly away from the vehicle body. Disconnect the electrical connectors by pressing the release tabs and pulling them apart.
4. **Inspect New Tail Lights:** Before installation, visually inspect the Spyder Auto LED Tail Lights for any damage.

5. **Connect Wiring:** Connect the wiring harness of the new LED tail light assembly to the vehicle's factory wiring harness. Ensure the connectors are fully seated and locked. The tail light assembly includes a control box and integrated wiring.



Image 4.1: Rear view of the tail light assembly, illustrating the integrated wiring and control module.



Image 4.2: Detailed view of the electrical connector, showing the pin configuration for proper connection.

6. **Mount New Tail Lights:** Carefully position the new LED tail light assembly into the vehicle's tail light opening. Align the mounting points and secure the assembly using the factory hardware or provided hardware. Ensure a snug fit to prevent moisture intrusion.

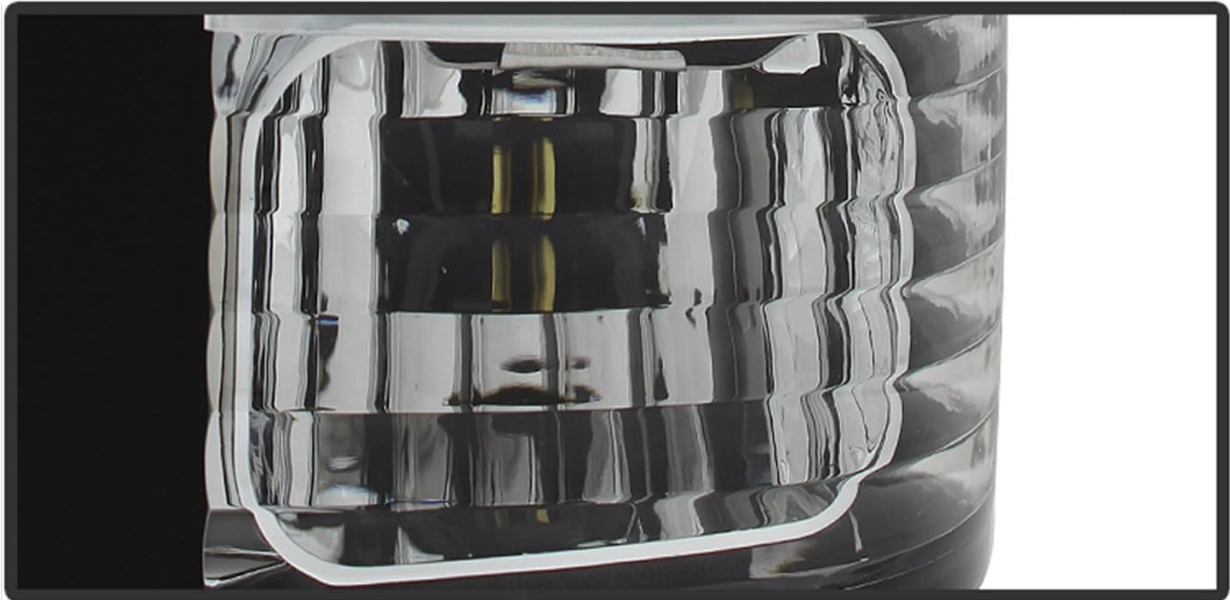


Image 4.3: Detail of a mounting bracket on the tail light assembly, indicating attachment points.

7. **Reconnect Battery:** Once both tail lights are securely installed and wired, reconnect the negative terminal of the vehicle's battery.
8. **Test Functionality:** Turn on the vehicle's ignition and test all tail light functions: parking lights, brake lights, turn signals, and reverse lights. Ensure all LEDs illuminate correctly and without flickering.

5. OPERATION

The Spyder Auto 5001368 LED Tail Lights operate in conjunction with your vehicle's existing electrical system, providing distinct lighting functions:

- **Parking Lights:** When your vehicle's parking lights or headlights are on, the LED array will illuminate at a lower intensity, serving as running lights.
- **Brake Lights:** When the brake pedal is pressed, the LED array will illuminate at a significantly higher intensity, signaling braking action.
- **Turn Signals:** The integrated turn signal function will flash the appropriate section of the LED array when

activated.

- **Reverse Lights:** The clear lens section of the tail light will illuminate when the vehicle is shifted into reverse.

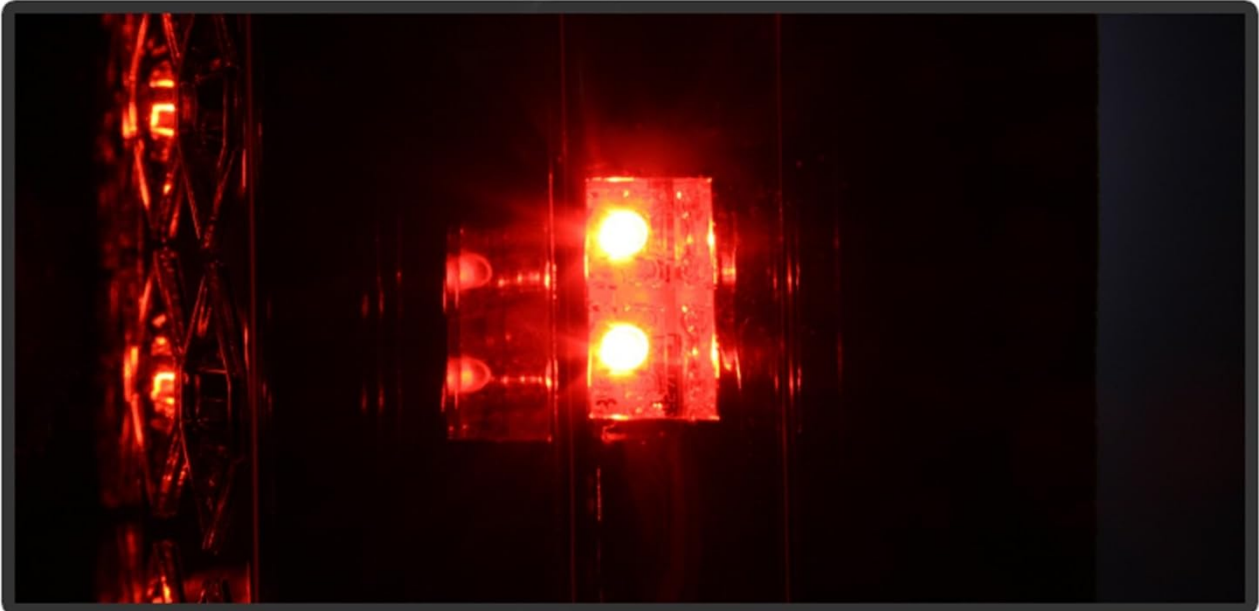


Image 5.1: Illustration of the difference in illumination intensity between brake lights (left) and parking lights (right).



Image 5.2: Detailed view of the LED array, highlighting the individual light-emitting diodes.

6. MAINTENANCE

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

- **Cleaning:** Clean the outer lens with a soft cloth and mild automotive soap. Avoid abrasive cleaners or harsh chemicals, as these can damage the lens finish.
- **Regular Inspection:** Periodically check the tail lights for any signs of condensation inside the lens, loose connections, or physical damage. Address any issues promptly.
- **Wiring Integrity:** Ensure all wiring connections remain secure and free from corrosion.

7. TROUBLESHOOTING

If you encounter issues with your LED tail lights, refer to the following troubleshooting guide:

- **Lights Not Illuminating:**
 - Check the vehicle's fuses related to tail lights.
 - Ensure all electrical connections are secure and properly seated.
 - Verify the vehicle's battery is fully charged and properly connected.
- **Flickering or Dim Lights:**
 - Inspect wiring for loose connections or corrosion.
 - Ensure proper grounding.
 - Check for voltage drops in the electrical system.
- **Condensation Inside Lens:**
 - Minor condensation can occur due to temperature changes and usually dissipates.
 - If excessive or persistent, check for proper sealing around the assembly and ensure no cracks are present.
- **Turn Signal Hyper-flashing:**
 - LED lights draw less power than incandescent bulbs, which can cause the vehicle's flasher relay to interpret it as a burnt-out bulb.
 - An LED-compatible flasher relay or load resistors may be required (sold separately) to correct hyper-flashing.

If troubleshooting steps do not resolve the issue, contact Spyder Auto customer support or a qualified automotive technician.

8. SPECIFICATIONS

Feature	Specification
Brand	Spyder
Model Number	5001368
Color	Chrome/Clear
Light Type	LED
Specific Uses For Product	Tail Lights
Vehicle Service Type	Car
Special Feature	Waterproof
Lens Color	Clear
Item Dimensions (L x W x H)	17 x 8 x 18 inches
Item Weight	7.35 pounds

UPC	847245001368
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9. WARRANTY AND SUPPORT

The Spyder Auto 5001368 LED Tail Lights are backed by the manufacturer's warranty. For specific warranty terms, conditions, and duration, please refer to the warranty card included with your product or visit the official Spyder Auto website.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Spyder Auto customer support directly. Contact information can typically be found on the manufacturer's website or product packaging.

Online Support: www.spyderauto.com