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> Spyder Auto FL-CL-CS99 Clear Fog Light Instruction Manual for Chevy Silverado/Suburban

Spyder FL-CL-CS99

Spyder Auto FL-CL-CS99 Clear Fog Light Instruction Manual

For Chevy Silverado 1999-2002 and Suburban 2000-2006

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Spyder Auto FL-CL-CS99 Clear Fog Lights. These fog lights are designed to enhance visibility during adverse weather conditions such as heavy rain, snow, and fog, as well as during nighttime driving. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. SAFETY INFORMATION

Always observe the following safety precautions:

- Disconnect the vehicle's battery before performing any electrical work to prevent electrical shock or short circuits.
- Wear appropriate personal protective equipment, including safety glasses and gloves, during installation.
- Ensure all wiring connections are secure and properly insulated to prevent hazards.
- Do not modify the product. Unauthorized modifications may compromise safety and void the warranty.
- If you are unsure about any part of the installation process, consult a qualified automotive technician.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Two (2) Fog Light Assemblies (Left and Right)
- Light Bulbs (pre-installed or separate)
- On-Off Switch

- Wiring Harness
- Relay
- Mounting Brackets



Figure 1: Spyder Auto FL-CL-CS99 Clear Fog Light Assemblies. This image displays the two fog light assemblies, featuring clear lenses, chrome inner reflectors, and black plastic housings with integrated mounting brackets and adjustment screws.

4. SETUP AND INSTALLATION

These fog lights are designed as direct bolt-on replacement parts for the specified vehicle models. Installation typically requires basic hand tools, such as a 10mm socket and ratchet.

4.1. Tools Required

- 10mm Socket and Ratchet
- Wire Strippers/Crimpers (if wiring harness modification is needed)
- Electrical Tape or Heat Shrink Tubing
- Safety Glasses and Gloves

4.2. Installation Steps

1. **Preparation:** Park the vehicle on a level surface and engage the parking brake. Disconnect the negative terminal of the vehicle's battery.
2. **Access Existing Fog Lights (if applicable):** Depending on your vehicle model, you may need to remove fender liners or bumper covers to access the existing fog light assemblies. Refer to your vehicle's service manual for specific instructions.
3. **Remove Old Fog Lights:** Unplug the electrical connector from the existing fog light bulb. Using a 10mm socket, unbolt the mounting brackets that secure the fog light assembly to the vehicle. Carefully remove the old fog light.
4. **Install New Fog Lights:** Position the new Spyder Auto fog light assembly into the mounting location. Align the mounting brackets and secure them with the original bolts or provided hardware, tightening with the 10mm socket.
5. **Wiring Connection:**
 - Connect the provided wiring harness to the new fog light assemblies.
 - Route the wiring harness to the vehicle's power source and the included on-off switch. Ensure the wiring is secured away from moving parts and hot surfaces.
 - Install the relay as per the wiring diagram (if provided with the harness).
 - Connect the on-off switch to a convenient location within the vehicle's cabin.
 - Connect the wiring harness to the vehicle's power supply (e.g., fuse box or existing fog light circuit) and ground point. Ensure all connections are secure and properly insulated.
6. **Test Functionality:** Reconnect the vehicle's battery. Turn on the vehicle's ignition and test the new fog lights using the installed on-off switch.
7. **Reassemble:** Reinstall any removed fender liners or bumper covers.
8. **Aiming (Optional):** If necessary, adjust the aim of the fog lights using the adjustment screws on the assembly to ensure optimal light distribution without blinding oncoming traffic.

5. OPERATION

To operate your Spyder Auto FL-CL-CS99 fog lights, simply activate the installed on-off switch. The fog lights are designed to provide a wide, low beam pattern to illuminate the road directly in front of your vehicle, reducing glare in foggy or rainy conditions. Turn off the fog lights when they are no longer needed to avoid unnecessary power consumption and to comply with local regulations.

6. MAINTENANCE

6.1. Cleaning

Regularly clean the fog light lenses with a soft cloth and mild automotive cleaning solution to ensure maximum light output. Avoid abrasive cleaners or harsh chemicals that could damage the lens material or chrome finish.

6.2. Bulb Replacement

If a bulb burns out, replace it with a bulb of the same type and wattage. Access the bulb by carefully removing the rear cover of the fog light assembly. Avoid touching the glass of the new bulb with bare hands, as oils can reduce its lifespan. Use gloves or a clean cloth.

6.3. Inspection

Periodically inspect the fog light assemblies for any signs of damage, loose connections, or moisture intrusion. Ensure mounting brackets are secure. While the product is designed to be waterproof, prolonged exposure to extreme conditions or physical damage can compromise seals.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Fog lights do not turn on.	<ul style="list-style-type: none">• Blown fuse.• Loose or incorrect wiring connection.• Faulty bulb.• Defective switch or relay.	<ul style="list-style-type: none">• Check and replace the fuse in the vehicle's fuse box.• Inspect all wiring connections for security and proper polarity.• Replace the bulb.• Test the switch and relay; replace if defective.
One fog light is not working.	<ul style="list-style-type: none">• Faulty bulb in that specific light.• Loose connection to that light.	<ul style="list-style-type: none">• Replace the bulb.• Check the electrical connector and wiring to the non-functional light.
Moisture or fogging inside the lens.	<ul style="list-style-type: none">• Compromised seal.• Condensation due to temperature changes (minor fogging may dissipate).	<ul style="list-style-type: none">• Inspect the housing and seals for cracks or damage. If severe or persistent, the assembly may need replacement.• Ensure the vent cap (if present) is clear.

8. SPECIFICATIONS

- **Brand:** Spyder Auto
- **Model Number:** FL-CL-CS99
- **Compatible Vehicles:** Chevy Silverado 1999-2002, Chevy Suburban 2000-2006
- **Color:** Chrome (Housing), Clear (Lens)
- **Specific Uses:** Fog Lights
- **Auto Part Position:** Front
- **Special Feature:** Waterproof
- **Item Weight:** Approximately 1.05 pounds (per assembly)
- **UPC:** 847245023636

9. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the documentation included with your purchase or contact Spyder Auto customer service directly. Keep your proof of purchase for warranty claims.

