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SUPAREE CR050-W

SUPAREE DOT 9" Round LED Headlights Instruction Manual

Model: CR050-W for Jeep Wrangler JL & Gladiator JT

Introduction

Thank you for choosing SUPAREE DOT 9" Round LED Headlights. These headlights are designed to provide superior illumination and enhanced safety for your Jeep Wrangler JL (2018-2025 Halogen Models) and Jeep Gladiator JT (2020-2026 Halogen Models). Featuring advanced LED technology, these lights offer multiple lighting modes and robust construction for long-lasting performance.



Image: Compatibility of SUPAREE 9-inch LED Headlights with Jeep Wrangler JL and Gladiator JT models.

Safety Information

Please read and understand all safety instructions before installation and use. Failure to follow these instructions may result in property damage, injury, or improper operation.

- Always disconnect the vehicle's battery before performing any electrical work to prevent electrical shock or damage.
- Wear appropriate personal protective equipment, such as safety glasses and gloves, during installation.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- After installation, verify proper headlight aiming to avoid blinding oncoming drivers. Adjustments may be necessary.
- If you are unsure about any part of the installation process, seek assistance from a qualified automotive technician.

Package Contents

Verify that all components are present and undamaged before beginning installation.



Image: Detailed view of included components and dimensions.

Item	Quantity
9" LED Headlights	2
Extension Cord	2
Wire Gripper	6
Gasket	6
Spring	6
Screw	6
Hex Wrench	1

Setup and Installation

The installation process for these 9-inch LED headlights is generally plug-and-play for most Jeep Wrangler JL and Gladiator JT models with halogen headlights. However, some minor adjustments may be required depending on specific vehicle modifications.

1. **Preparation:** Park your vehicle on a level surface, engage the parking brake, and turn off the engine. Disconnect the negative terminal of the vehicle's battery.
2. **Grille Removal:** Carefully remove the front grille of your Jeep. Refer to your vehicle's owner's manual or online resources for specific instructions on grille removal for your model year.
3. **Headlight Removal:** Disconnect the factory headlight harness by pulling back on the red tab, pressing down on the tab, and prying the connector off. Remove the screws or clips securing the original headlights and carefully take them out.
4. **New Headlight Installation:** Position the new SUPAREE LED headlights into the housing. Secure them with the provided screws and springs.
5. **Wiring Connections:** Connect the new LED headlight harness to the vehicle's harness. Slide the red latch back

into the locked position to ensure a secure connection. The iron end of the extension cord is connected to the new headlight.

6. **DRL (Daytime Running Light) Wiring (Optional):** For the halo ring DRL feature, a separate fuse adapter and wiring may be required. This typically involves connecting the DRL wire to an accessory fuse in your vehicle's fuse box that receives power when the ignition is on. Consult a professional if you are unfamiliar with automotive electrical wiring.
7. **Reassembly:** Reinstall the grille and reconnect the vehicle's battery.
8. **Testing and Adjustment:** Turn on your vehicle's lights to test all functions (high beam, low beam, DRL). Adjust the headlight aim as needed to ensure optimal visibility without blinding other drivers.

Your browser does not support the video tag.

Video: SUPAREE 9 inch LED Headlights installation guide. This video demonstrates the steps for disconnecting the factory harness, installing the new LED headlight, and connecting the wiring.

Operating Instructions

Your SUPAREE LED Headlights feature three distinct lighting modes for various driving conditions:

- **High Beam:** Provides maximum light output for extended visibility, ideal for unlit roads.
- **Low Beam:** Standard driving light for regular road use, designed to illuminate the road ahead without dazzling oncoming traffic.
- **Daytime Running Light (DRL):** A distinctive halo ring light that enhances vehicle visibility during daylight hours. This mode activates automatically with your vehicle's DRL system if properly wired.

Switch between these modes using your vehicle's standard headlight controls.



Image: Visual representation of High Beam, Low Beam, and DRL modes.



Image: Brightness comparison between SUPAREE LED headlights and standard halogen lights.

Maintenance

To ensure the longevity and optimal performance of your SUPAREE LED Headlights, follow these maintenance guidelines:

- **Cleaning:** Clean the polycarbonate lens regularly with a soft cloth and mild soap and water. Avoid abrasive cleaners or harsh chemicals that could scratch or damage the lens.
- **Breather Hole:** The headlights are equipped with one-way breather holes. If condensation or steam appears inside the lens, open the valve cover on the back of the headlight and leave it open for approximately 30 minutes in a dry environment to allow moisture to escape. Ensure the cover is securely closed afterward.
- **Inspection:** Periodically inspect the wiring and connections for any signs of wear, corrosion, or damage. Ensure all mounting hardware remains tight.



Image: All-weather readiness and breather hole function.



Image: Internal components and features for durability and heat dissipation.

Troubleshooting

If you encounter issues with your SUPAREE LED Headlights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Headlights not turning on	Loose wiring connection, blown fuse, incorrect installation.	Check all wiring connections. Inspect vehicle fuses and replace if necessary. Review installation steps.
DRL (halo ring) not illuminating	DRL wire not connected or improperly connected to a power source (e.g., fuse adapter needed).	Ensure the DRL wire is correctly connected to a switched 12V power source, possibly requiring a fuse adapter kit (not included).
Condensation inside the lens	Temperature changes, high humidity.	Open the breather hole valve cover for 30 minutes in a dry environment to allow moisture to dissipate.
High beams not significantly brighter than low beams	Headlight aiming, specific vehicle electrical characteristics.	Verify headlight aiming. Some vehicles may have specific electrical configurations that affect perceived brightness differences.
Flickering or inconsistent light output	Loose connection, voltage fluctuations, EMC interference.	Check connections. Ensure vehicle's electrical system is stable. The headlights have built-in EMC for anti-interference.

If these troubleshooting steps do not resolve the issue, please contact SUPAREE customer support for further assistance.

Specifications

- **Brand:** SUPAREE
- **Model Number:** CR050-W
- **Light Source Type:** LED
- **Lens Material:** Polycarbonate (Scratch-resistant)
- **Waterproof Rating:** IP68 (Fully sealed)
- **Operating Temperature:** -40°F to 148°F

- **Vehicle Service Type:** Car (Compatible with Jeep Wrangler JL 2018-2025 Halogen Models, Jeep Gladiator JT 2020-2026 Halogen Models)
- **Lighting Modes:** High Beam, Low Beam, Daytime Running Light (DRL)
- **Heat Dissipation:** Die-cast aluminum back with breathing holes
- **Included Components:** 2x 9 inch LED Headlights, wiring accessories

Warranty and Support

SUPAREE DOT 9" Round LED Headlights are covered by a**1-year manufacturer's 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 SUPAREE customer service through the retailer where the product was purchased or visit the official SUPAREE website for contact information. Please have your purchase receipt and product model number (CR050-W) available when contacting support.

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