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CO LIGHT 9631T-C-42inch

CO LIGHT 42-Inch Curved LED Light Bar Instruction Manual

Model: 9631T-C-42inch | Brand: CO LIGHT

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your CO LIGHT 42-Inch Curved LED Light Bar. This light bar is specifically designed for UTVs, featuring a curved profile that integrates seamlessly with the vehicle's aesthetics. It delivers powerful and reliable illumination for off-road conditions. Please read this manual thoroughly before installation and use to ensure proper function and safety.

Safety Information

- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Do not look directly into the light bar when it is illuminated, as it can cause eye damage.
- Mount the light bar securely to prevent it from becoming a projectile during vehicle operation.
- Verify that the light bar's operation complies with all local and national regulations for vehicle lighting.
- Keep children away from the installation area and electrical components.

Package Contents

Please verify that all components are present before beginning installation:

- 1 x CO LIGHT 42-Inch Curved LED Light Bar
- 1 x Wiring Harness
- 1 x Mounting Brackets Kit (includes hardware)
- 2 x Kawasaki UTV Specific Brackets



Figure 1: Curved LED Light Bar dimensions and package contents. The image displays the 41-inch bare light bar, 43-inch hole-to-hole measurement, and the included components: LED light bar, wire harness, mounting brackets kit, and Kawasaki UTV brackets.

Setup and Installation

The CO LIGHT 42-Inch Curved LED Light Bar is designed for straightforward installation on Kawasaki Teryx KRX 1000 models (2020-2025) using the provided vehicle-specific brackets.

1. **Prepare the Mounting Location:** Identify the designated mounting points on your Kawasaki Teryx KRX 1000. The included brackets are designed to utilize existing mounting holes.
2. **Bracket Installation:** Attach the Kawasaki UTV specific brackets to the vehicle's mounting points. While compatibility with existing mounting holes is maintained, some installations may require hole enlargement to 1/2 inch diameter via drilling for optimal fit.
3. **Light Bar Attachment:** Secure the curved LED light bar to the installed brackets using the provided hardware. The adjustable brackets allow for up to 45 degrees of angle adjustment, enabling precise beam direction.
4. **Wiring:** Connect the light bar to the included wiring harness. Ensure all electrical connections are tight and properly insulated. Route the wiring safely, away from moving parts and heat sources, to the vehicle's power source and switch.
5. **Test Functionality:** Before finalizing the installation, test the light bar to ensure it functions correctly.



Figure 2: Installation diagram showing the attachment of the mounting brackets to the UTV frame and then the light bar to the brackets. Note: Some installations may require drilling to enlarge existing holes to 1/2 inch diameter.

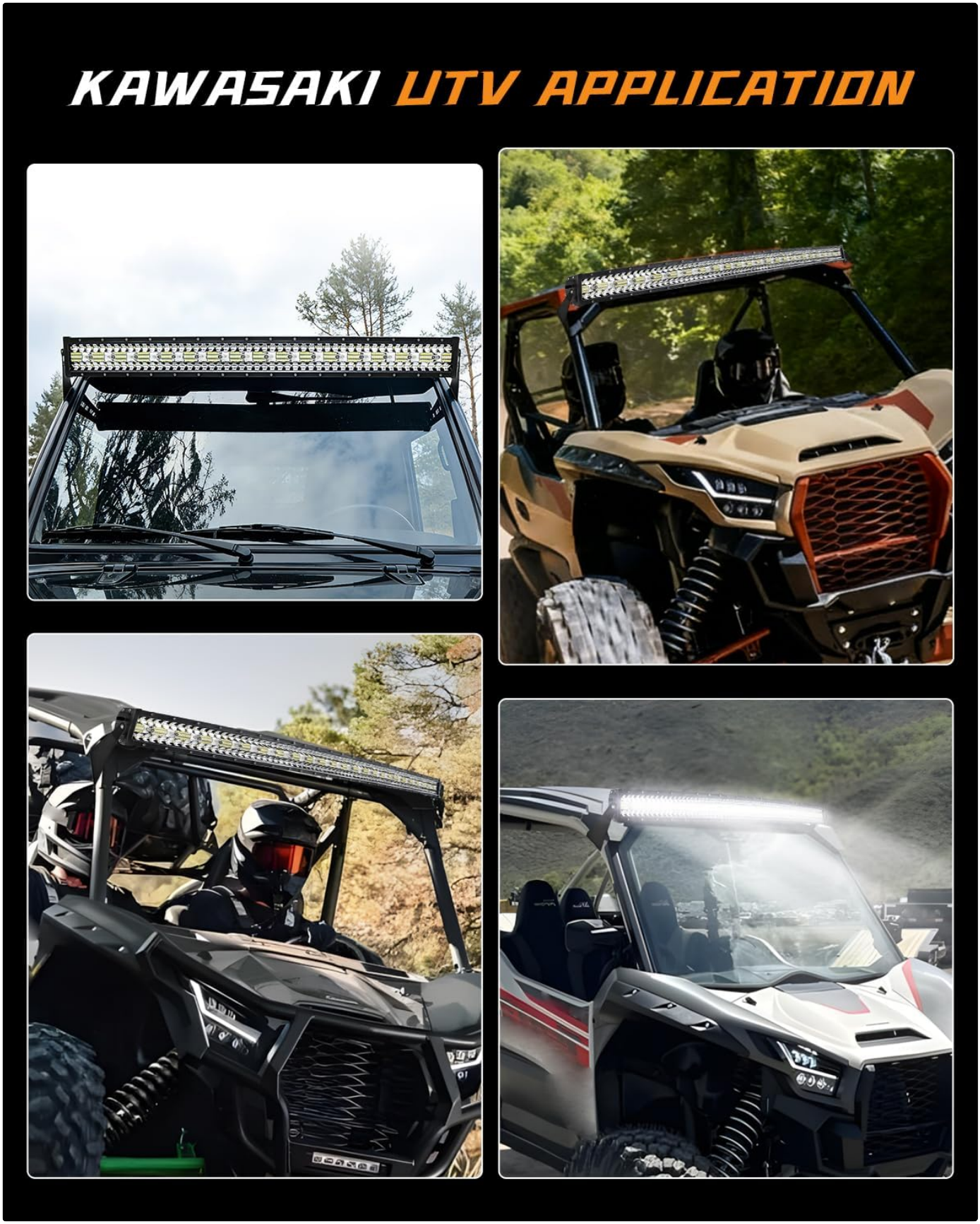


Figure 3: Examples of the CO LIGHT LED light bar installed on Kawasaki UTVs, showcasing its integrated appearance.

Operating Instructions

The CO LIGHT LED Light Bar features a spot and flood combo beam pattern for versatile illumination.

- **Power On/Off:** Operate the light bar using the switch connected to the wiring harness.
- **Beam Pattern:** The light bar provides a combination of 30-degree spot beams for long-range focus and 120-degree flood

beams for wide area illumination. This combination ensures comprehensive visibility for various off-road conditions.

- **Adjusting Angle:** If necessary, adjust the light bar's angle using the mounting brackets to optimize the beam direction for your specific driving needs.



Figure 4: Illustration of the light bar's spot and flood beam patterns, demonstrating its wide and long-range illumination capabilities.

Maintenance

Regular maintenance will ensure the longevity and optimal performance of your LED light bar.

- **Cleaning:** Clean the lens and housing regularly with a soft cloth and mild soap and water. Avoid abrasive cleaners that could scratch the lens.
- **Inspection:** Periodically check all mounting hardware for tightness. Inspect the wiring harness for any signs of wear, fraying, or damage.
- **Waterproof Integrity:** The light bar has an IP68 waterproof rating, designed to withstand harsh weather. Ensure no physical damage compromises this seal.



Figure 5: The light bar's IP68 waterproof and dustproof protection, demonstrating its resilience in various environmental conditions.

Troubleshooting

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

Problem	Possible Cause	Solution
Light bar does not turn on.	No power, loose connection, blown fuse, faulty switch.	Check power supply, inspect all wiring connections, replace fuse if necessary, test switch functionality.
Light output is dim or flickering.	Insufficient power, loose connection, damaged wiring.	Verify adequate power supply, tighten connections, inspect wiring for damage.
Moisture inside the lens.	Compromised seal due to damage or improper installation.	Inspect the housing and seals for cracks or gaps. Contact customer support if the issue persists.

Specifications

Feature	Detail
Model Number	9631T-C-42inch
Brand	CO LIGHT
Dimensions (L x W x H)	115.1 x 6.6 x 14 cm (45.3 x 2.6 x 5.5 inches)
Light Source Type	LED
Material	Aluminum (Housing), Stainless Steel (Brackets)
Power	750W
Lumen Output	80000LM
Color Temperature	6000K (White Light)
Beam Pattern	Spot (30°) & Flood (120°) Combo
Waterproof Rating	IP68
Compatibility	Kawasaki Teryx KRX 1000 (2020-2025)



Figure 6: Detailed dimensions of the mounting brackets and information on their material and coating technique.

Warranty and Support

For warranty information or technical support, please refer to the documentation included with your purchase or contact CO LIGHT customer service through their official website or the retailer where the product was purchased. Please have your model number (9631T-C-42inch) and purchase date available when contacting support.

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