

ECOTRIC CA-112

ECOTRIC Front Stubby Bumper Instruction Manual

MODEL: CA-112

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1. Product Overview

The ECOTRIC Front Stubby Bumper is designed to enhance the front-end protection and aesthetic of your vehicle. Constructed from durable alloy steel with a textured black powder-coated finish, this bumper features an integrated winch plate, fog light housings, and D-ring mounts, making it suitable for various off-road applications. Its stubby design improves approach angles for enhanced off-road clearance.

2. Vehicle Compatibility

This front bumper is compatible with the following Jeep models:

- 2007-2018 Jeep Wrangler JK
- 2018-2026 Jeep Wrangler JL
- 2020-2026 Jeep Gladiator JT

Note: This bumper is **not compatible** with the Rubicon trim. It is designed to fit factory fog lights.



APPLICABLE MODEL

Compatible with
2007-2018 Jeep Wrangler JK,
2018-2026 Jeep Wrangler JL, 2020-2026 Gladiator JT



Figure 2.1: Visual representation of the bumper's compatibility with Jeep Wrangler JK, JL, and Gladiator JT models.

3. Key Features

- **Durable Construction:** Made from high-strength alloy steel with a textured black powder-coated finish for corrosion resistance and durability.
- **Integrated Winch Plate:** Supports winches up to 12,000 lbs with a standard 10" x 4.5" bolt pattern.
- **D-Ring Mounts:** Includes two D-ring mounts for recovery operations.
- **Fog Light Housings:** Designed with integrated housings to accommodate factory fog lights.
- **Stubby Design:** Enhances approach angles for improved off-road clearance and maneuverability.



UPDATE THE LOOK AND CAPABILITY OF YOUR JEEP



**2 X 4.75TON
D-RING**



**Built-In OE Replacement
Fog Light Housing**

Figure 3.1: Detailed view of the bumper's D-ring mounts and integrated fog light housings.



POWERFUL SHIELD

With a stubby front bumper design and sleek approach angles this bumper is an excellent complement to any level Jeep build.



Figure 3.2: The stubby design provides improved approach angles for off-road use.



DISPLAY

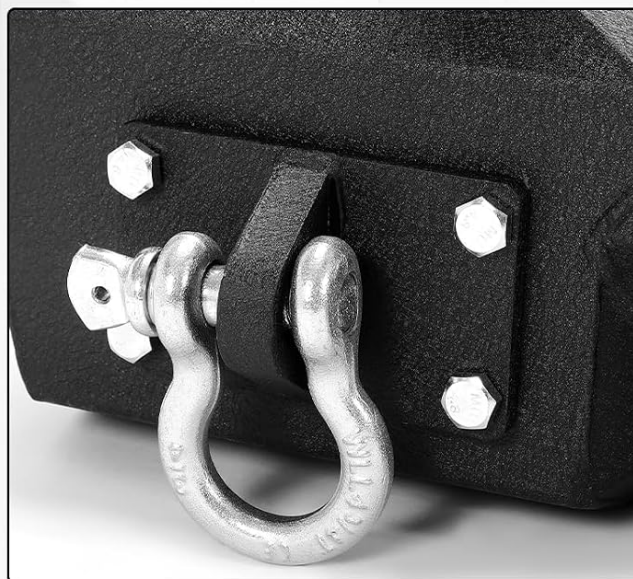


Figure 3.3: Close-up details of the bumper's construction and features.

4. Package Contents

Upon opening the package, verify that all components are present and undamaged:

- 1 x Front Bumper Assembly
- 2 x 4.75-ton D-rings with isolators
- All necessary mounting hardware (bolts, washers, nuts)



DIMENSION



Figure 4.1: Contents of the ECOTRIC Front Stubby Bumper package.

5. Installation Instructions

Professional installation is highly recommended for this product. While designed for bolt-on installation using existing mounting points without drilling or cutting, proper alignment and secure fastening are crucial for safety and performance.

5.1 Pre-Installation Notes

- Ensure the vehicle is parked on a level surface and the parking brake is engaged.
- Disconnect the vehicle's battery before beginning any electrical work (e.g., fog lights).
- Factory splash guards and skid plates will need to be removed during installation and cannot be reinstalled with this bumper.
- It is advisable to install the bull bar and fog lights (if applicable) onto the bumper assembly *before* mounting the bumper to the vehicle.

5.2 General Installation Steps

1. Carefully remove the existing factory front bumper. This typically involves disconnecting fog light wiring (if present) and unbolting the bumper from the frame.
2. If not already done, attach the bull bar and any fog lights to the new ECOTRIC bumper using the provided hardware. Ensure all connections are secure.
3. Position the new ECOTRIC Front Stubby Bumper onto the vehicle's frame mounting points. It may be helpful to have an assistant for this step due to the bumper's weight.
4. Align the bumper with the existing mounting holes and loosely install the provided mounting hardware.
5. Once all bolts are in place, gradually tighten them evenly to ensure proper alignment and a secure fit. Do not overtighten.
6. Reconnect any fog light wiring.
7. Reconnect the vehicle's battery.

5.3 Installation Videos

Your browser does not support the video tag.

Video 5.1: Overview of the ECOTRIC Front Bumper with Winch Plate. This video demonstrates the features and general appearance of the bumper, which can aid in understanding its components prior to installation.

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Video 5.2: Another perspective on the ECOTRIC Front Bumper. This video provides additional visual details that may be helpful during the installation process.

6. Maintenance

To ensure the longevity and appearance of your ECOTRIC Front Stubby Bumper, follow these maintenance guidelines:

- **Regular Cleaning:** Wash the bumper regularly with mild soap and water to remove dirt, mud, and road grime. Avoid harsh chemicals or abrasive cleaners that can damage the powder-coated finish.
- **Inspect for Damage:** Periodically inspect the bumper for any signs of damage, such as chips, scratches, or rust. Address any minor damage promptly to prevent further deterioration.
- **Touch-Up Paint:** If the powder coat is chipped, use a suitable satin black touch-up paint or bed liner spray to protect the exposed metal from rust.
- **Hardware Check:** Routinely check all mounting hardware for tightness. Vibrations from driving, especially off-road, can cause bolts to loosen over time.

7. Troubleshooting

This section addresses common concerns that may arise during or after installation:

- **Fitment Issues:** If bolts do not align perfectly, minor manipulation or adjustment may be required. Ensure the bumper is properly seated before tightening all hardware.
- **Surface Imperfections:** Small scuffs or minor paint chips may occur during shipping or handling. These can typically be remedied with a suitable touch-up paint.
- **Rust Development:** While powder-coated for protection, prolonged exposure to harsh elements or damage to the coating can lead to rust. Regular inspection and prompt touch-up of any exposed metal are crucial.
- **Fog Light Alignment:** If factory fog lights do not align correctly, minor modifications to the light tabs or additional washers may be needed to achieve proper aiming.

8. Product Specifications

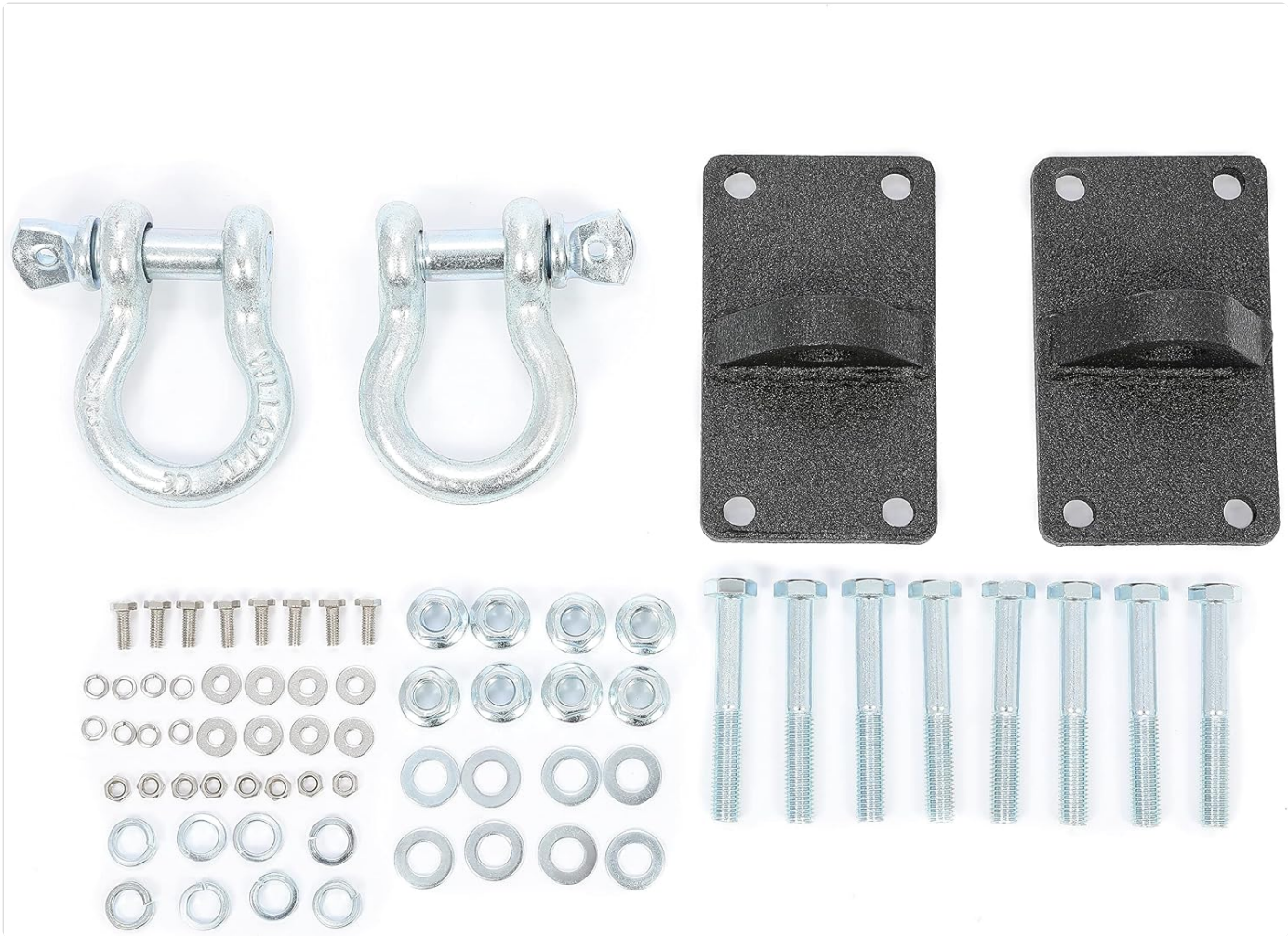


Figure 8.1: Key dimensions of the ECOTRIC Front Stubby Bumper.

Attribute	Detail
Brand	ECOTRIC
Model Number	CA-112
Material	Alloy Steel
Color	Black (Textured Powder-Coated)
Item Weight	57 pounds
Product Dimensions (D x W x H)	12.2" x 49.61" x 12.99"
Auto Part Position	Front
Winch Plate Capacity	Up to 12,000 lbs
D-Ring Capacity	4.75 tons (each)

9. Warranty and Support

For information regarding product warranty, returns, or technical support, please refer to the retailer's policies or contact ECOTRIC customer service directly. Typically, products purchased through Amazon.com are eligible for a 30-day easy

return policy.

Manufacturer: ECOTRIC

For further assistance, please visit the [ECOTRIC Store on Amazon](#).

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Example: How do I reset this device or fix this error?

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