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Nixon Offroad NRG02B102-BX

Nixon Offroad Rear Bumper Installation and User Manual

Model: NRG02B102-BX | Brand: Nixon Offroad

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Nixon Offroad Rear Bumper. This bumper is specifically designed for the Ford Ranger models from 2019 to 2023. Please read this manual thoroughly before beginning installation or using the product to ensure proper function and safety.

Vehicle Compatibility:

- 2019 Ford Ranger
- 2020 Ford Ranger
- 2021 Ford Ranger
- 2022 Ford Ranger
- 2023 Ford Ranger

Important Note: This bumper is **not compatible** with the factory trailer hitch. If your vehicle is equipped with an OEM trailer hitch, it must be removed prior to installation of this bumper.

Safety Information

Always prioritize safety during installation and operation. Failure to follow these safety guidelines may result in injury or damage to your vehicle.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves, during installation.
- Ensure the vehicle is securely supported on a level surface using jack stands before working underneath it.
- Disconnect the vehicle's battery before performing any electrical work.
- Do not exceed the weight capacity of any lifting equipment used.
- Keep children and pets away from the work area.
- Verify all fasteners are tightened to the manufacturer's specifications.
- Regularly inspect the bumper and its components for any signs of wear or damage.

Package Contents

Please verify that all components listed below are present in your package before beginning installation. If any parts are missing or damaged, contact customer support immediately.

- 1 x Nixon Offroad Rear Bumper
- 2 x D-ring Shackles
- 2 x 4-inch LED Pod Lights
- All necessary Mounting Hardware
- Installation Instructions (separate document or included within this manual)

Setup and Installation

The Nixon Offroad Rear Bumper is designed for a direct bolt-on installation, requiring no drilling or modifications to your Ford Ranger. Refer to the included detailed installation instructions for step-by-step guidance.

Pre-Installation Steps:

1. Park the vehicle on a flat, stable surface and engage the parking brake.
2. Disconnect the negative terminal of the vehicle's battery.
3. If your Ford Ranger is equipped with a factory trailer hitch, it must be removed. Consult your vehicle's owner's manual for proper removal procedures.
4. Carefully remove the OEM rear bumper according to your vehicle's service manual. Disconnect any wiring for license plate lights, parking sensors, or other components.

Bumper Installation:

1. Position the new Nixon Offroad Rear Bumper onto the vehicle's frame mounting points. It may be helpful to have assistance due to the bumper's weight.
2. Align the mounting holes and loosely attach the bumper using the provided hardware.
3. Reconnect any necessary wiring for the license plate lights and parking sensors to the corresponding connections on the new bumper.
4. Once aligned, tighten all mounting bolts to the recommended torque specifications. Do not overtighten.
5. Install the included 4-inch LED pod lights into their designated mounts on the bumper. Connect the wiring for the pod lights to your vehicle's electrical system as desired (e.g., to reverse lights, auxiliary switch).
6. Attach the D-ring shackles to the reinforced clevis mounts.
7. Reinstall your license plate using the provided mounting holes.
8. Reconnect the vehicle's battery.
9. Test all lights and parking sensors to ensure they are functioning correctly.



Image: Overview of the Nixon Offroad Rear Bumper and its compatibility with 2019-2023 Ford Ranger models. Note the requirement to remove the OEM trailer hitch if equipped.

Operating Instructions (Features)

Your Nixon Offroad Rear Bumper is equipped with several features designed to enhance your vehicle's utility and appearance.

4-inch Flush Pod Lights:

The bumper includes two integrated mounts for 4-inch LED pod lights, with the lights themselves provided. These lights can be wired to function as auxiliary reverse lights, work lights, or for other off-road lighting needs. Ensure proper wiring connections are made during installation.



Image: The Nixon Offroad Rear Bumper with the included 4-inch LED pod lights illuminated, demonstrating their function.



Image: Detailed rear view of the bumper highlighting the pod light mounting brackets and the location of the 4-inch pod lights.

D-Ring Shackles:

Two reinforced clevis mounts are integrated into the bumper, designed to accept 3/4-inch D-ring shackles (included). These provide secure recovery points for off-road situations. Always use D-rings with appropriate working load limits for recovery operations.



Image: Close-up of the D-ring shackles attached to the reinforced mounting brackets on the bumper.

Parking Sensor Compatibility:

The bumper is designed to retain your vehicle's factory parking sensors. Specific mounting holes are provided to ensure the sensors function correctly after installation. Ensure sensors are properly seated and connected during installation.



Image: Rear view of the bumper installed on a truck, highlighting the precise locations for factory parking sensors to ensure continued functionality.

DIY Paintable Mesh Panel:

The bumper features a decorative mesh panel that comes with a black primer layer. This allows you to customize its color by painting it to match your vehicle's aesthetics or personal preference.

Integrated Steps:

Built-in anti-skid steps are incorporated into the bumper design, providing easy and safe access to your truck bed.



Image: A person demonstrating the use of the integrated anti-skid step for accessing the truck bed.

License Plate Mount:

The license plate mount is conveniently located above the bumper, ensuring visibility and compliance with regulations.



Image: Detailed view of the bumper's front features, including the license plate light mounting hole and other functional elements.

Maintenance

To ensure the longevity and appearance of your Nixon Offroad Rear Bumper, follow these maintenance guidelines:

- **Cleaning:** The bumper is constructed from Q235 heavy-duty carbon steel with an anti-corrosion textured powder coat finish. Clean regularly with mild soap and water to remove dirt, mud, and road grime. Avoid abrasive cleaners or harsh chemicals that could damage the finish.
- **Inspection:** Periodically inspect all mounting hardware for tightness. Re-torque bolts as necessary. Check the bumper for any signs of damage, rust, or wear, especially after off-road use.
- **Electrical Components:** Ensure all wiring for the LED pod lights and parking sensors remains secure and free from damage. Replace any damaged wiring or components promptly.

Troubleshooting

If you encounter issues with your Nixon Offroad Rear Bumper, refer to the following common troubleshooting steps:

- **Loose Bumper:** If the bumper feels loose or rattles, check all mounting bolts. Tighten them securely according to

the installation instructions.

- **LED Pod Lights Not Working:**
  - Check the electrical connections to the lights and ensure they are secure.
  - Verify that the fuse for the circuit powering the lights is not blown.
  - Ensure the switch (if applicable) is in the 'ON' position.
- **Parking Sensors Malfunctioning:**
  - Ensure the sensors are clean and free from dirt, mud, or ice.
  - Verify that the sensors are properly seated in their mounting holes and their wiring connections are secure.
  - Confirm that no objects are obstructing the sensor's field of view.
- **Unusual Noises:** Inspect the bumper and surrounding areas for any loose components, debris, or contact points that could be causing noise.

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

Specifications

Model Number	NRG02B102-BX
Material	Q235 Heavy-duty Carbon Steel
Finish	Premium Black Powder Coat
Vehicle Compatibility	2019-2023 Ford Ranger
Auxiliary Light Mounts	2 x 4-inch Pod Light Mounts (Lights Included)
D-Ring Shackles	2 x D-ring Shackles (Included)
Parking Sensor Compatibility	Retains Factory Parking Sensors
Product Dimensions (L x W x H)	70.5" x 12.0" x 9.4" (approximate)



Image: Technical drawing illustrating the key dimensions of the Nixon Offroad Rear Bumper.

Warranty and Support

Nixon Offroad is committed to providing high-quality products and excellent customer service.

Warranty Information:

For specific warranty details, including coverage duration and terms, please contact Nixon Offroad customer support directly. Keep your proof of purchase for any warranty claims.

Customer Support:

Our professional support team is available to assist you with any questions, concerns, or issues you may have regarding your Nixon Offroad Rear Bumper. We strive to provide responsive customer service and typically reply within 12 hours.

How to Contact Support: Please use the Amazon message center to reach our customer support team.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the

question and use this page's manual context to help answer it.

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Question

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Details

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