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Nixon Offroad NRG02A101-1A

Nixon Offroad Modular Steel Front Bumper Installation Manual

For 2019-2023 Ford Ranger (Model 1A)

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Nixon Offroad Modular Steel Front Bumper, Model 1A, designed specifically for 2019-2023 Ford Ranger vehicles. Please read these instructions thoroughly before beginning installation to ensure proper fitment and safe operation.

2. Product Fitment

This front bumper is compatible with the following vehicle models:

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

Note: Installation of this front bumper may require cutting of the original vehicle's front bumper for proper fitment.



Image 2.1: Example of the Nixon Offroad Modular Steel Front Bumper installed on a Ford Ranger. This image illustrates the product's fitment on the specified vehicle model.

3. Product Features

- **Material:** Constructed from Q235 heavy-duty carbon steel for durability and protection.
- **Finish:** Premium black powder coat finish for corrosion resistance and enhanced lifespan.
- **Modular Design:** Allows for flexible customization with optional bull bars, side wings, side bars, and ACC mounting brackets (sold separately). This design facilitates future upgrades, repairs, or component replacement.
- **Parking Sensor Compatibility:** Retains factory OEM parking sensors.
- **Winch Compatibility:** Features a winch cable guide mounting hole. A winch plate (Model 102) is required for winch installation and is sold separately. It can accommodate winches up to 12,000 lbs.
- **Light Bar Mount:** Integrated mounting bracket for a light bar up to 20 inches behind a paintable mesh. Light bar is not included.

- **D-Ring Shackles:** Includes two D-ring shackles and mounting points.
- **DIY Paintable:** Equipped with a paintable decorative frame for personalized customization.
- **Integrated Recovery Points:** Includes provisions for winch plate/mount, fairlead, clevis/D-ring mounts, and radar holes.

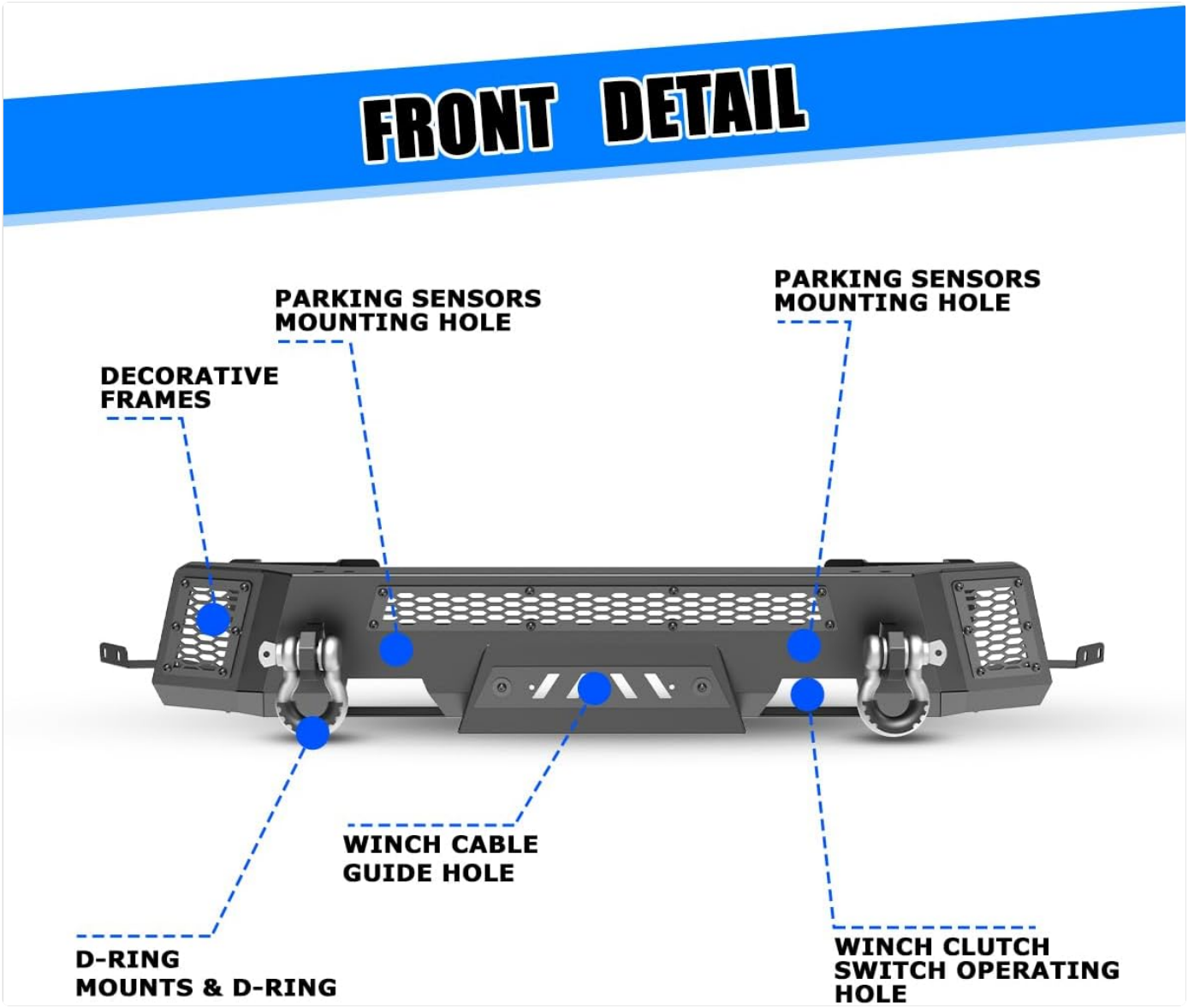


Image 3.1: Detailed view of the front bumper highlighting key features such as D-ring mounts, decorative frames, parking sensor mounting holes, winch cable guide hole, and winch clutch switch operating hole.



Image 3.2: Rear view of the bumper showing the light bar mounting bracket. This bracket supports light bars with a hole distance of up to 22 inches. Note that the light bar is not included.



Image 3.3: Close-up of the parking sensor mounting holes, indicating compatibility with two radar sensors. Radar sensors are not provided with the bumper.



Image 3.4: Illustration of the bumper's paintable decorative frame, allowing for DIY color customization. The original product color is black.



Image 3.5: Renderings showcasing various configurations of the modular bumper. The current product (Model 1A) is highlighted as "YOUR CHOSEN," with other available styles demonstrating the modularity.

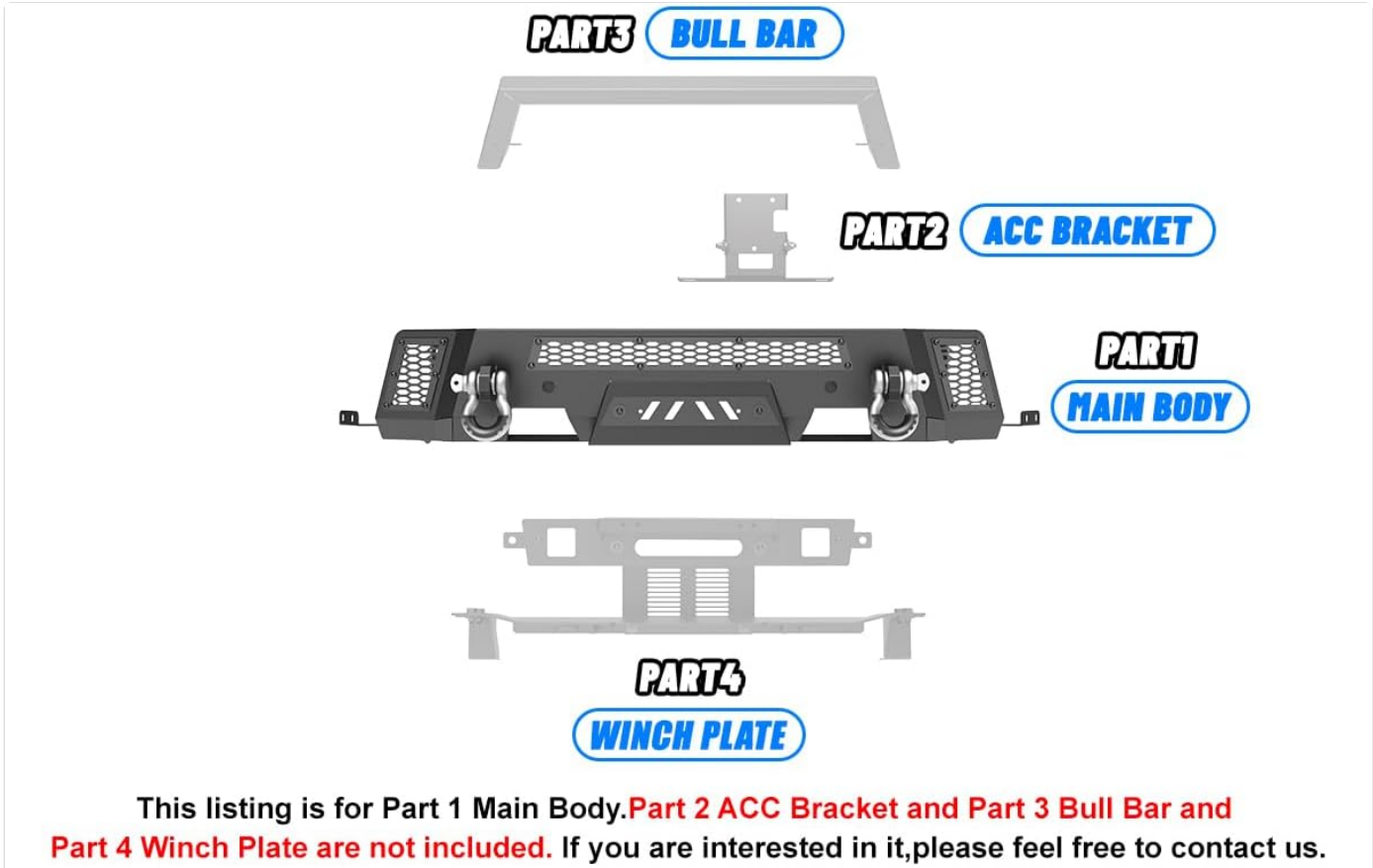


Image 3.6: Exploded view of the modular bumper components, including Part 1 (Main Body), Part 2 (ACC Bracket), Part 3 (Bull Bar), and Part 4 (Winch Plate). Parts 2, 3, and 4 are not included with the Model 1A bumper and must be purchased separately.

4. Installation

4.1 General Information

The Nixon Offroad Modular Steel Front Bumper is designed for direct bolt-on installation. All necessary mounting hardware and detailed instructions are included in the package. Professional installation is recommended, especially if modifications to the vehicle's original bumper are required.

4.2 Pre-Installation Checklist

- Ensure your vehicle is parked on a level surface and the engine is off.
- Gather all tools required for installation (not included).
- Verify all parts listed in the package contents are present.
- Read through all instructions before starting.

4.3 Installation Steps

1. **Remove Original Bumper:** Carefully remove the factory front bumper according to your vehicle's service manual. Disconnect any wiring for lights or sensors.
2. **Prepare Vehicle:** Clean the mounting area on the vehicle frame. If cutting of the original bumper is required, perform this step now with precision.
3. **Mount Bumper Body:** Position the Nixon Offroad bumper body onto the vehicle frame. Align the mounting holes.
4. **Secure Bumper:** Use the provided hardware to bolt the bumper securely to the vehicle frame. Do not fully tighten bolts until all are in place and the bumper is properly aligned.
5. **Connect Sensors/Wiring:** Reconnect any parking sensors or other wiring that was disconnected during the removal of the original bumper. Ensure all connections are secure.
6. **Final Tightening:** Once the bumper is aligned, fully tighten all mounting bolts to the manufacturer's specified torque settings.
7. **Install D-Rings:** Attach the included D-ring shackles to their designated mounting points.
8. **Optional Component Installation:** If installing optional accessories like a winch plate, bull bar, or ACC bracket, follow their respective instructions at this stage.



Image 4.1: Comparison showing the vehicle's front end before and after the installation of the Nixon Offroad Modular Steel Front Bumper.

This illustrates the visual impact of the installed product.

5. Operation

The Nixon Offroad Modular Steel Front Bumper is a passive component designed to enhance vehicle protection and provide mounting points for accessories. No specific operational steps are required for the bumper itself after installation. Ensure all accessories mounted to the bumper (e.g., winch, lights) are operated according to their respective manufacturer's instructions.

6. Maintenance

- **Regular Cleaning:** Clean the bumper regularly with mild soap and water to remove dirt, mud, and road grime. Avoid abrasive cleaners or harsh chemicals that could damage the powder coat finish.
- **Inspect for Damage:** Periodically inspect the bumper for any signs of damage, such as dents, scratches, or rust. Address any damage promptly to prevent further deterioration.
- **Check Fasteners:** Regularly check all mounting bolts and fasteners to ensure they remain tight. Re-tighten as necessary, especially after off-road use or heavy impacts.
- **Powder Coat Care:** If the powder coat finish is scratched or chipped, touch up with a suitable black automotive paint to prevent rust.

7. Troubleshooting

- **Loose Bumper:** If the bumper feels loose, check all mounting bolts and re-tighten them to the specified torque.
- **Sensor Malfunction:** If parking sensors malfunction after installation, verify that they are correctly seated in their mounting holes and that all wiring connections are secure and undamaged.
- **Rust Spots:** Small rust spots can be sanded lightly and touched up with rust-inhibiting paint. For extensive rust, consider professional refinishing.
- **Accessory Fitment Issues:** Ensure that any additional accessories (winch, light bar, etc.) are compatible with the bumper's design and installed according to their own instructions.

8. Specifications

Attribute	Detail
Brand	Nixon Offroad
Model Number	NRG02A101-1A
Material	Q235A Heavy-Duty Steel
Color	Black (Powder Coated)
Vehicle Service Type	2019-2023 Ford Ranger
Product Dimensions (D x W x H)	50.79" x 12.2" x 12.2"
Number of Items	1 (Front Bumper Body)
Winch Capacity (with separate winch plate)	Up to 12,000 lbs

Light Bar Mount Size	Up to 20" (behind mesh)

9. Warranty and Support

Nixon Offroad stands behind its products and is committed to providing responsive customer service. For any questions or uncertainties regarding your product, please contact the support team via the Amazon message center. They aim to reply within 12 hours.
For further assistance, please visit the Nixon Offroad Store on Amazon.

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