

KUAFU BL3481

KUAFU Front Bumper Reinforcement User Manual

Model: BL3481 | Compatible with Nissan Frontier (2005-2018)

1. INTRODUCTION

This manual provides essential information for the installation, maintenance, and safe use of your KUAFU Front Bumper Reinforcement, Model BL3481. This component is designed to absorb and disperse impact forces during low-speed collisions, contributing to the structural integrity of the vehicle's front end.

2. SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when performing automotive work.
- Ensure the vehicle is securely supported on jack stands or a lift before beginning any work underneath. Never rely solely on a jack.
- Disconnect the vehicle's battery before starting installation to prevent electrical hazards.
- Exercise caution when handling tools and heavy components.
- If you are unsure about any step of the installation process, consult a qualified automotive professional.

3. PACKAGE CONTENTS

Verify that all items listed below are present and undamaged before proceeding with installation.

- 1 x KUAFU Front Bumper Reinforcement (Model BL3481)
- Installation Instructions (this document)

Note: Installation hardware is not included and must be reused from the original bumper reinforcement or purchased separately.

4. PRODUCT OVERVIEW

The following images illustrate the KUAFU Front Bumper Reinforcement from various angles, highlighting its

design and mounting points.



Front view of the bumper reinforcement, showing its primary impact surface.



Angled perspective, revealing the structural design and mounting brackets.



Detailed view of a mounting bracket, indicating attachment points.

5. SPECIFICATIONS

Brand	KUAFU
Model Number	BL3481
Auto Part Position	Front
Material	Alloy Steel
Color	Black
Exterior Finish	Powder Coated
Product Dimensions	50"D x 7.48"W x 13.58"H (approximate)
Item Weight	26.5 pounds

6. COMPATIBILITY

This KUAFU Front Bumper Reinforcement (Model BL3481) is designed for direct replacement and compatibility with the following vehicle:

- **Vehicle:** Nissan Frontier
- **Model Years:** 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018

- **Replaces OEM Part Numbers:** NI1006225, 51010EA830

Please verify your vehicle's make, model, and year to ensure proper fitment before installation.

7. INSTALLATION GUIDE

The installation process involves removing the existing bumper reinforcement and installing the new KUAFU unit. While the process is designed to be straightforward using screws, professional installation is recommended for optimal results and safety.

Required Tools (Not Included):

- Socket wrench set
- Torque wrench
- Pry tools (for bumper cover removal)
- Safety glasses and gloves

Installation Steps:

1. **Prepare the Vehicle:** Park the vehicle on a level surface and engage the parking brake. Disconnect the negative terminal of the vehicle's battery.
2. **Remove Front Bumper Cover:** Carefully remove the front bumper cover. This typically involves removing clips, screws, and bolts located in the wheel wells, under the bumper, and sometimes under the hood. Refer to your vehicle's service manual for specific instructions on bumper cover removal.
3. **Remove Existing Bumper Reinforcement:** Once the bumper cover is off, locate the bolts securing the existing bumper reinforcement to the vehicle's frame. Remove these bolts and carefully detach the old reinforcement.
4. **Inspect Mounting Area:** Clean any debris or corrosion from the vehicle's frame where the new reinforcement will mount. Ensure the area is free from obstructions.
5. **Install KUAFU Bumper Reinforcement:** Position the new KUAFU Front Bumper Reinforcement (Model BL3481) onto the vehicle's frame. Align the mounting holes with the corresponding holes on the frame.
6. **Secure with Hardware:** Reinstall the original mounting bolts (or new, compatible hardware if necessary). Tighten all bolts to the manufacturer's specified torque settings. Ensure the reinforcement is securely fastened and does not wobble.
7. **Reinstall Front Bumper Cover:** Carefully reattach the front bumper cover, ensuring all clips, screws, and bolts are properly secured.
8. **Reconnect Battery:** Reconnect the negative terminal of the vehicle's battery.
9. **Final Check:** Verify that all components are securely installed and that there are no loose parts.

8. MAINTENANCE

The KUAFU Front Bumper Reinforcement is constructed from powder-coated alloy steel for durability and corrosion resistance. Regular maintenance is minimal:

- Periodically inspect the reinforcement for any signs of damage, corrosion, or loose mounting hardware.
- Clean the surface with mild soap and water as needed to remove dirt and road grime. Avoid abrasive cleaners or harsh chemicals that could damage the powder coating.
- If any damage is observed, consider replacement to maintain the vehicle's safety features.

9. TROUBLESHOOTING

If you encounter issues during or after installation, consider the following:

- **Fitment Issues:** Double-check the compatibility section to ensure the part is correct for your vehicle's make, model, and year. Verify that all mounting points are correctly aligned.
- **Loose Component:** Ensure all bolts are tightened to the appropriate torque specifications. Re-check all connections.
- **Missing Hardware:** Remember that installation hardware is typically reused from the original part. If original hardware is damaged or missing, obtain suitable replacements before installation.

For persistent issues, professional assistance is recommended.

10. WARRANTY & SUPPORT

For specific warranty information regarding your KUAFU Front Bumper Reinforcement, please refer to the purchase documentation or contact the seller directly. General product support and additional information can be found by visiting the official KUAFU store.

KUAFU Store: [Visit the KUAFU Store on Amazon](#)