

Perle DK470

Rhino-Rack 2500 Roof Rack Pad & Clamp Kit Instruction Manual

Model: DK470

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Perle (Rhino-Rack) 2500 Roof Rack Pad & Clamp Kit, Model DK470. This kit is an integral part of the 2500 roof rack systems, designed to securely attach the roof rack to your vehicle's roof. It includes the necessary pads and clamps to ensure a safe and stable fit.

2. SAFETY INFORMATION

Always prioritize safety when installing and using roof rack systems. Failure to follow these guidelines may result in property damage, personal injury, or death.

- Read all instructions thoroughly before beginning installation.
- Ensure all components are present and undamaged before installation.
- Do not exceed the maximum load capacity specified for your vehicle's roof or the roof rack system. Refer to your vehicle's owner's manual.
- Regularly check all fasteners and connections to ensure they remain tight and secure, especially after the first few drives and before long trips.
- Distribute loads evenly on the roof rack.
- Be aware of increased vehicle height and potential wind resistance when carrying loads.
- Avoid automatic car washes with the roof rack installed.

3. COMPONENTS

The Perle (Rhino-Rack) 2500 Roof Rack Pad & Clamp Kit (DK470) includes the following items:

- 4 x Vehicle Grade Santoprene Pads
- 4 x Corrosion Resistant Black Metal Clamps
- Torx Bit (for installation)
- Hardware (additional fasteners as required)
- Installation Instructions (detailed guide for specific vehicle fitment)



Figure 3.1: Contents of the DK470 kit, showing the four pads and four clamps.

4. SETUP AND INSTALLATION

This kit is designed to integrate with the Rhino-Rack 2500 roof rack system. The specific installation steps will vary depending on your vehicle's make and model. Always refer to the detailed installation instructions provided with your complete 2500 roof rack system for precise vehicle-specific guidance.

1. **Preparation:** Clean the vehicle's roof surface where the pads and clamps will be positioned. Ensure it is free of dirt, debris, and wax.
2. **Pad Placement:** Identify the correct placement points on your vehicle's roof as indicated in the main installation instructions. Position the santoprene pads at these points. These pads protect your vehicle's paintwork.
3. **Clamp Attachment:** Secure the metal clamps to the vehicle's door frame or designated attachment points, ensuring they align with the pads. The clamps provide the secure connection for the roof rack legs.
4. **Tightening:** Use the provided Torx bit to tighten all fasteners according to the torque specifications in the main installation guide. Ensure all clamps are equally tightened to prevent uneven pressure.
5. **Final Check:** After installation, gently pull on the installed components to confirm they are securely fastened and do not move.

Note: This kit forms the base attachment. The full roof rack system (bars, legs) will be installed onto these pads and clamps.

5. OPERATING GUIDELINES

Once the roof rack system is fully installed with the DK470 kit, adhere to the following operational guidelines:

- **Load Capacity:** Never exceed the maximum load rating of your roof rack system or your vehicle's roof. Refer to both manuals for the lower of the two limits.
- **Load Distribution:** Distribute the weight of your cargo as evenly as possible across the roof rack bars. Secure all loads firmly to prevent shifting during transit.
- **Driving Adjustments:** Be mindful of increased vehicle height and potential changes in handling, especially in

crosswinds or when cornering. Reduce speed when carrying heavy or bulky loads.

- **Clearance:** Always check overhead clearance before entering garages, carports, or low-clearance areas.

6. MAINTENANCE

Proper maintenance will extend the life of your roof rack kit and ensure continued safe operation.

- **Regular Inspection:** Periodically inspect all pads and clamps for signs of wear, cracking, or damage. Check for any looseness in the fasteners.
- **Cleaning:** Clean the pads and clamps with mild soap and water. Avoid harsh chemicals or abrasive cleaners that could damage the materials.
- **Storage:** If removing the roof rack system for extended periods, store the pads and clamps in a clean, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Roof rack feels loose after installation.	Fasteners not tightened to specification; clamps not seated correctly.	Re-check all fasteners with the Torx bit, ensuring they are tightened according to the main installation instructions. Verify clamps are properly seated in the vehicle's attachment points.
Pads are slipping or moving.	Surface not clean; pads not correctly positioned.	Ensure the vehicle's roof surface is clean and dry before placing pads. Confirm pads are aligned with the designated contact points.
Unusual noise from roof rack.	Loose components; improper load distribution.	Inspect all parts for looseness. Ensure cargo is securely fastened and distributed evenly.

8. SPECIFICATIONS

Attribute	Detail
Model Number	DK470
Color	Black
Material Type	Glass Filled Nylon, Santoprene, Metal
Included Components	Torx Bit, Installation Instructions, Hardware, Pad and Clamp Kit (4 pads, 4 clamps)
Product Dimensions (L x W x H)	40.64 x 10.16 x 7.62 cm (16 x 4 x 3 inches)
Item Weight	1.36 kg (3 lbs)
Manufacturer	Rhino-Rack USA, LLC
Brand (as listed)	Perle





9. WARRANTY AND SUPPORT

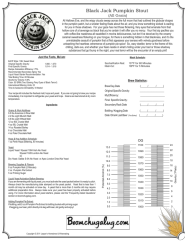
For information regarding product warranty, technical support, or replacement parts, please contact the manufacturer directly. Refer to the contact information provided with your original purchase documentation or visit the official Rhino-Rack website.

Manufacturer: Rhino-Rack USA, LLC

Please have your model number (DK470) and purchase details ready when contacting support.

Related Documents - DK470

	<p>Legrand Celiane: Switches, Sockets, and Accessories Catalog</p> <p>Explore the Legrand Celiane range of electrical devices, including switches, sockets, and accessories. Discover various finishes, materials, and functionalities for modern interiors.</p>
	<p>Perle IDS-409G Managed Industrial Gigabit Fiber Switch Robust Network Connectivity</p> <p>Discover the Perle IDS-409G, a high-performance managed industrial Gigabit fiber switch designed for demanding environments. Featuring robust construction, wide temperature support, and advanced network management capabilities for reliable connectivity.</p>
	<p>GV I/O 4.0: Third-Party Control with VDCP and AMP Protocols</p> <p>This application note from Grass Valley details the integration of third-party control systems with the GV I/O video server using the Video Disk Control Protocol (VDCP) and Advanced Media Protocol (AMP). It provides comprehensive guidance on VDCP command compatibility, AMP command sets, and the necessary configuration steps for Perle IOLAN SDG4 RS-422 to IP converters to enable serial control over IP networks.</p>
	<p>Perle IOLAN SCG Expandable Models Quick Start Guide</p> <p>A quick start guide for the Perle IOLAN SCG Expandable Models, covering basic installation, configuration, hardware features, and connectivity for serial device servers.</p>



[Black Jack Pumpkin Stout All Grain Recipe - Jasper's Homebrew](#)

Detailed all-grain recipe for Black Jack Pumpkin Stout, a sweet stout with pumpkin pie spice notes. Includes ingredients, mash schedule, brewing instructions, and gravity charts from Jasper's Homebrew.



[TACHIKAWA IR Remote Controller Operation Manual for Blinds](#)

Comprehensive guide to operating TACHIKAWA IR remote controllers for blinds, covering basic functions, specific modes like Perle Pair and Perle Double, and battery replacement.