

Hooke Road QP.BXG-605

Hooke Road Roof Rack and LED Lights Instruction Manual for 2014-2021 Toyota Tundra Crewmax

Model: QP.BXG-605

1. INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your Hooke Road Roof Rack with integrated LED lights. This product is designed for 2014-2021 Toyota Tundra Crewmax pickup trucks with four full-size doors. Please read all instructions carefully before beginning installation to ensure safe and correct assembly.



Image 1.1: Hooke Road Roof Rack with LED lights installed on a Toyota Tundra Crewmax.

2. SAFETY INFORMATION

- Always ensure the roof rack is securely mounted before loading any cargo.
- Do not exceed the maximum load capacity of 330 pounds (evenly distributed).
- Distribute cargo evenly across the rack to maintain vehicle stability.
- Regularly inspect all mounting hardware for tightness and signs of wear or damage.
- When driving with a loaded roof rack, adjust driving speed and consider wind resistance.
- Professional installation is recommended for electrical wiring of LED lights.

3. PARTS LIST

Verify all components are present before beginning installation:

- 1 x Roof Rack Assembly (unassembled components)
- 4 x 18W LED Spotlights Cube Lights
- Mounting brackets & hardware accessories
- Installation Instruction (this manual)



Image 3.1: Exploded view of roof rack components, including side rails, crossbars, front/rear beams, and mounting hardware.

4. TOOLS REQUIRED

- Drill
- Drill bits (specific sizes may vary, refer to detailed instructions for rivet nuts)
- Rivet nut tool (essential for secure installation)
- Wrenches/Socket set
- Sealant (e.g., RTV silicone, JB Weld) for waterproofing drilled holes
- Measuring tape
- Marker
- Safety glasses and gloves

5. SETUP AND INSTALLATION INSTRUCTIONS

The installation process involves moderate bolt-on steps and requires some drilling. It is recommended to have assistance during installation.

5.1. Unboxing and Initial Inspection

Upon receiving the product, carefully unbox all components. Inspect each part for any damage that may have occurred during shipping. Verify that all items listed in the Parts List (Section 3) are present. If any parts are missing or damaged, contact customer support immediately.

Your browser does not support the video tag.

Video 5.1: This video demonstrates the unboxing and initial assembly of a similar roof rack system. Note: Specific components and steps may vary slightly for your model.

5.2. Assembling the Roof Rack Frame

1. Lay out all crossbars and side rails on a clean, flat surface.
2. Attach the crossbars to the side rails using the provided hardware. Ensure all bolts are finger-tight only at this stage to allow for adjustments.
3. Attach the front and rear beams to the assembled frame. Again, keep bolts finger-tight.



Image 5.2: Underside view of the roof rack frame assembly, showing crossbar and side rail connections.

5.3. Preparing the Vehicle for Mounting

This step involves drilling into the vehicle's roof. Exercise extreme caution.

1. Carefully position the assembled roof rack onto the vehicle's roof to mark the drilling locations. Ensure proper alignment and spacing.

2. Mark the precise locations for drilling. Double-check measurements to ensure accuracy.
3. Drill pilot holes, then enlarge them to the appropriate size for the rivet nuts. Use quality drill bits.
4. Apply a generous amount of sealant (e.g., RTV silicone) into each drilled hole before installing the rivet nuts to prevent water leaks.
5. Use a rivet nut tool to securely install the rivet nuts into the drilled holes.

5.4. Mounting the Roof Rack to the Vehicle

1. Carefully lift the assembled roof rack onto the vehicle's roof, aligning the mounting points with the installed rivet nuts.
2. Attach the roof rack to the vehicle using the provided mounting brackets and bolts. Apply additional sealant around the bolts as they are tightened.
3. Once all mounting bolts are in place, progressively tighten them evenly across the entire rack until secure. Do not overtighten.



Image 5.3: Front view of the roof rack securely mounted on the vehicle.

5.5. Installing LED Spotlights

1. Mount the four 18W LED spotlights to the designated locations on the front beam of the roof rack using their individual mounting brackets.
2. Route the wiring for the LED lights along the roof rack and into the vehicle's cabin. Ensure wiring is secured and protected from abrasion.

3. Connect the LED lights to a suitable power source and switch. Professional electrical installation is highly recommended to ensure proper functionality and avoid electrical issues.



Image 5.4: Close-up of the LED spotlights on the front of the roof rack.

6. OPERATING INSTRUCTIONS

6.1. Cargo Loading

- Ensure cargo is evenly distributed and securely fastened to the crossbars using appropriate straps or nets. The crossbars feature holes for cargo securement.
- Avoid placing heavy items on one side of the rack to prevent imbalance.
- Do not exceed the maximum load capacity of 330 pounds.

6.2. LED Light Operation

The LED spotlights are designed to improve visibility in low-light conditions. Operate them via the switch installed during the electrical setup. Ensure local regulations regarding auxiliary lighting are followed.

7. MAINTENANCE

- Regularly clean the roof rack with mild soap and water to remove dirt and debris.
- Inspect the textured black powder coat finish for any chips or scratches. Touch up as needed to prevent rust and maintain durability.
- Check all bolts and fasteners periodically for tightness. Retighten if necessary.
- Inspect LED lights for any damage to the housing or wiring.

8. TROUBLESHOOTING

8.1. Rack Does Not Fit Correctly

Ensure the product is specifically for the 2014-2021 Toyota Tundra Crewmax model. Verify all components are correctly oriented according to the diagrams. If fitment issues persist, contact customer support.

8.2. Missing or Damaged Parts

If any parts are missing or damaged upon arrival, document the issue with photos and contact Hooke Road customer service immediately for assistance.

8.3. Water Leaks After Installation

Ensure sufficient sealant was applied around all drilled holes and mounting bolts during installation. Re-check all sealed areas and apply additional sealant if any gaps are found.

9. SPECIFICATIONS

Feature	Specification
Application	2014-2021 Toyota Tundra Crewmax (4 full-size doors)
Load Capacity	Up to 330 pounds (evenly distributed)
Material	Heavy duty, high tensile 10 gauge (9/64 Inch) steel
Finish	Textured black powder coat & Premium E-coating
LED Lights	4x 18W high power LED spotlights included
Dimensions (L x W x H)	56.4" x 50.7" x 5.3" (approximate)
Item Weight	Approximately 66 lbs

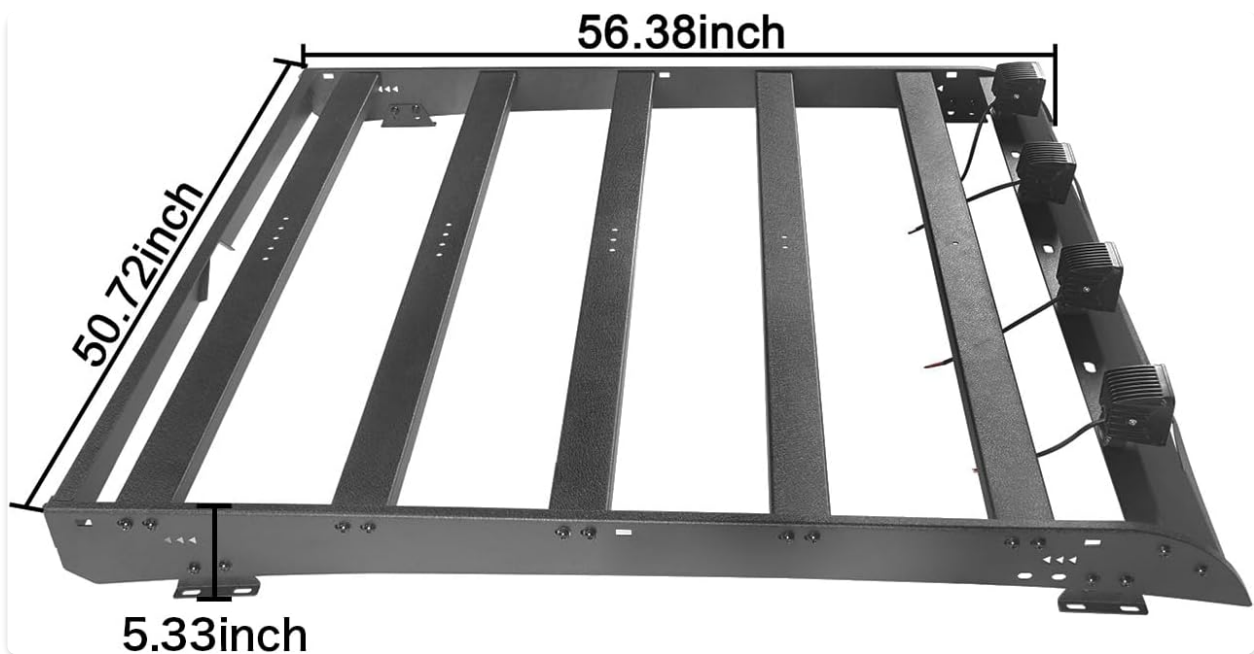


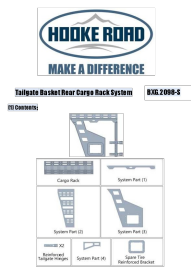
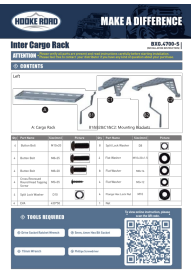
Image 9.1: Dimensional diagram of the roof rack.

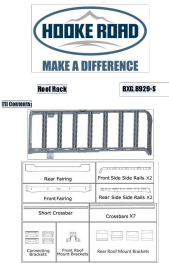
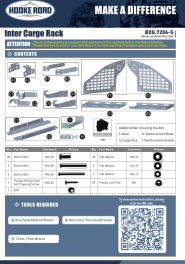
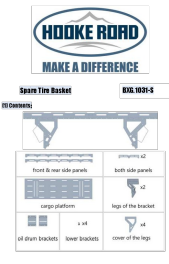
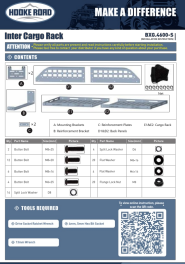
10. WARRANTY & SUPPORT

For warranty information, missing parts, or technical support, please contact Hooke Road customer service directly. Refer to your purchase documentation for specific contact details and warranty terms. You can also visit the official Hooke Road store for additional product information and support:[Hooke Road Store](#)

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Related Documents - QP.BXG-605

	<p>Hooke Road Tailgate Basket Rear Cargo Rack System Installation Guide</p> <p>Comprehensive installation guide for the Hooke Road Tailgate Basket Rear Cargo Rack System (BXG.2098-S) for Jeep Wrangler JK models. Includes parts list, tools required, and step-by-step assembly instructions.</p>
	<p>Hooke Road Inter Cargo Rack BXG.4700-S Installation Guide</p> <p>Detailed installation instructions for the Hooke Road Inter Cargo Rack (Model BXG.4700-S). This guide covers parts identification, required tools, and step-by-step assembly for securely fitting the cargo rack to your vehicle.</p>

 <p>The image shows the cover of the Hooke Road BXG.8929-S Roof Rack installation guide. It features the Hooke Road logo at the top, followed by the product name and a list of contents including: Rear Faring, Front Side Side Rails (x2), Front Faring, Rear Side Side Rails (x2), Short Crossbar, Crossbars (x2), Front Roof Mount Brackets, and Rear Roof Mount Brackets.</p>	<p>Hooke Road BXG.8929-S Roof Rack Installation Guide</p> <p>Step-by-step installation instructions for the Hooke Road BXG.8929-S Roof Rack, including parts list, tools required, and assembly details for Ford Bronco 2-Door Hardtop vehicles.</p>
 <p>The image shows the cover of the Hooke Road BXG.7206-S Inter Cargo Rack installation guide. It features the Hooke Road logo at the top, followed by the product name and a list of contents including: Front & Rear Side Rails (x2), Front & Rear Side Rails (x2), Front Crossbar, Rear Crossbar, Front Mount Brackets, Rear Mount Brackets, Front Mount Brackets, Rear Mount Brackets, Front Mount Brackets, and Rear Mount Brackets.</p>	<p>Hooke Road Inter Cargo Rack BXG.7206-S Installation Guide</p> <p>Detailed installation instructions for the Hooke Road Inter Cargo Rack (BXG.7206-S). This guide provides a comprehensive parts list, required tools, and step-by-step assembly procedures for fitting the cargo rack to your vehicle.</p>
 <p>The image shows the cover of the Hooke Road BXG.1031-S Spare Tire Basket installation guide. It features the Hooke Road logo at the top, followed by the product name and a list of contents including: Front & Rear Side Rails (x2), Front & Rear Side Rails (x2), Front Crossbar, Rear Crossbar, Front Mount Brackets, Rear Mount Brackets, Front Mount Brackets, Rear Mount Brackets, Front Mount Brackets, and Rear Mount Brackets.</p>	<p>Hooke Road BXG.1031-S Spare Tire Basket Installation Guide</p> <p>Comprehensive installation guide for the Hooke Road BXG.1031-S Spare Tire Basket. Includes a detailed parts list, required tools, step-by-step assembly instructions with textual descriptions of diagrams, and important attention points for automotive applications.</p>
 <p>The image shows the cover of the Hooke Road BXG.4600-S Inter Cargo Rack installation guide. It features the Hooke Road logo at the top, followed by the product name and a list of contents including: Front & Rear Side Rails (x2), Front & Rear Side Rails (x2), Front Crossbar, Rear Crossbar, Front Mount Brackets, Rear Mount Brackets, Front Mount Brackets, Rear Mount Brackets, Front Mount Brackets, and Rear Mount Brackets.</p>	<p>Hooke Road BXG.4600-S Inter Cargo Rack Installation Instructions</p> <p>Detailed installation guide for the Hooke Road BXG.4600-S Inter Cargo Rack, including parts list, tools required, and step-by-step assembly instructions for off-road vehicles.</p>