

JOYTUTUS A1317-05325-BK

JOYTUTUS Lockable Roof Rack Cross Bars for Toyota RAV4 (2019-2025) Instruction Manual

Model: A1317-05325-BK | Brand: JOYTUTUS

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your JOYTUTUS Lockable Car Roof Rack Cross Bars. Designed for specific Toyota RAV4 models, these cross bars offer a secure and versatile solution for transporting various cargo on your vehicle's roof. Please read this manual thoroughly before installation and use to ensure proper function and safety.

Compatibility: Compatible with Toyota RAV4 2019-2025 models equipped with factory side rails. **Not compatible** with Adventure, Hybrid Woodland Edition, TRD Off-Road, or 2022-2024 LE models.

Compatible with Toyota RAV4 2019-2024



2019-2021 LE



Hybrid LE



Limited



XLE



XLE Premium



Hybrid SE



Prime SE



XSE

Not fit for the Adventure/
TRD Off-Road/Hybrid Woodland Edition/22-24 LE



Adventure



TRD Off-Road



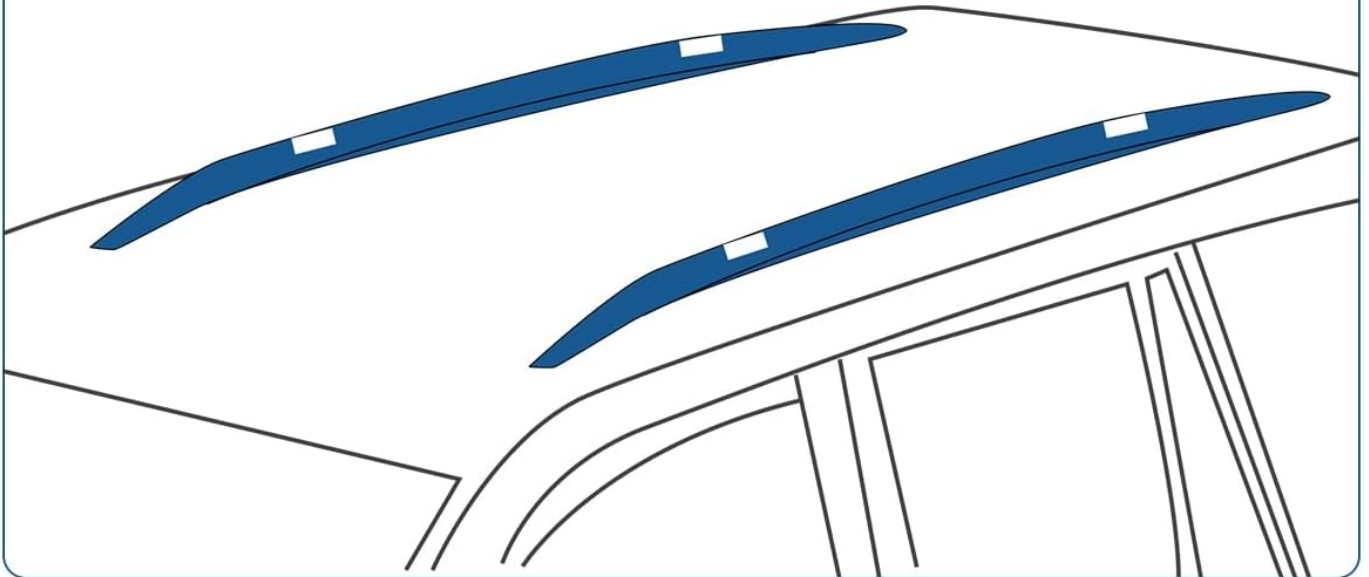
Hybrid Woodland
Edition

Image: Compatibility chart for Toyota RAV4 models (2019-2024).

Must See Before Buying



Compatible with Factory Side Rail



Not Compatible without Side Rails

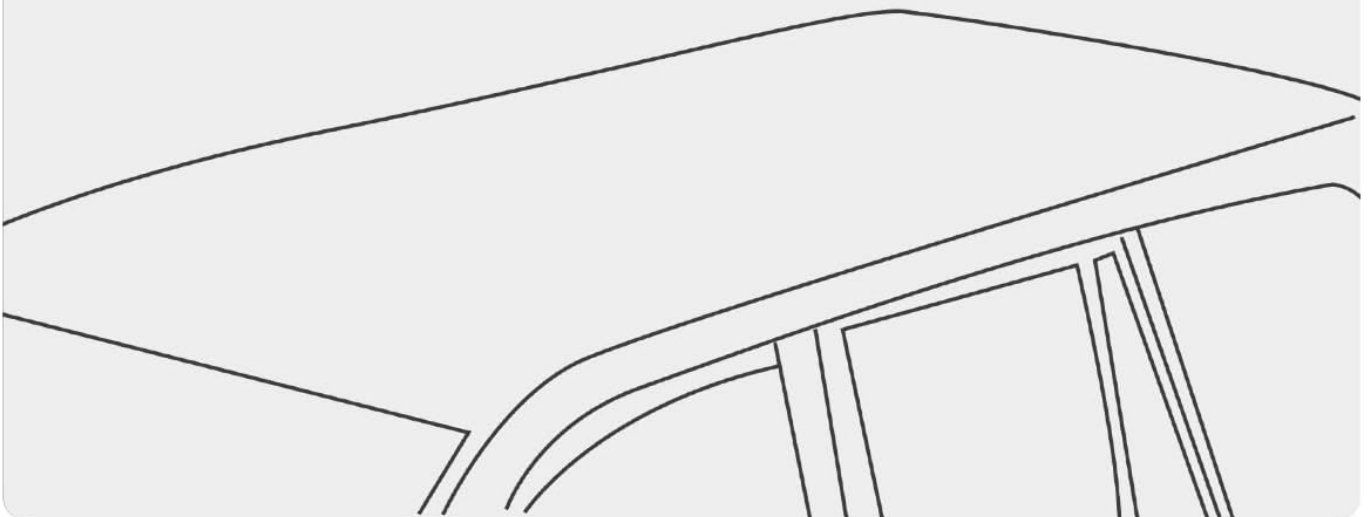


Image: Illustration of compatible factory side rails versus non-compatible roof types.

2. SAFETY INFORMATION

- Ensure all components are securely fastened before driving. Regularly check the tightness of all bolts and connections.
- Do not exceed the maximum load capacity of 220 pounds (100 kg).

- Distribute cargo evenly across the cross bars.
- Always secure cargo with appropriate tie-downs to prevent shifting or detachment during transit.
- Be aware of increased vehicle height and width when carrying cargo, especially when entering garages, car washes, or low-clearance areas.
- Driving with a roof rack may affect vehicle handling and fuel efficiency. Adjust driving speed and style accordingly.
- If your vehicle has a moonroof, installing a roof rack may affect its opening and use.
- Always follow local traffic laws and regulations regarding vehicle cargo.

3. PACKAGE CONTENTS

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

- Front Cross Bar (longer) x 1
- Rear Cross Bar (shorter) x 1
- End Supports / Bases x 4
- M8x40mm Bolts x 8
- Allen Keys (T4 and T5) x 2
- Keys for Locks x 2
- Installation Instructions x 1 (this manual)



Image: Complete set of JOYTUTUS Lockable Car Roof Rack Cross Bars with a blue Toyota RAV4.

4. SETUP AND INSTALLATION

Follow these steps carefully to install your roof rack cross bars. It is recommended to perform installation on a level surface.

4.1. Identify Front and Rear Bars

1. The front cross bar is longer than the rear cross bar.
2. Each bar is marked with "FRONT" or "REAR" labels. Ensure correct orientation.
3. The aerodynamic profile has a rounder edge that faces the front of the vehicle and a pointier edge that faces the rear.

Adjustable Length

Both sides of the bar can adjust the length to fit the width of the top roof



Image: Adjustable length feature of the cross bars, showing the screws for adjustment.

4.2. Assemble Cross Bars to End Supports

1. Align the holes on the cross bar with the holes on the end support.
2. Insert the M8x40mm bolts through the aligned holes. Do not fully tighten them yet.
3. Ensure the "LH FRT" (Left Front), "RH FRT" (Right Front), "LH RR" (Left Rear), and "RH RR" (Right Rear) markings on the end supports match the corresponding labels on the cross bars.

4.3. Prepare Vehicle Side Rails

1. Carefully remove the plastic covers from the vehicle's factory side rails to expose the mounting points. A plastic pry tool may be helpful to avoid scratching the paint.

4.4. Mount Cross Bars to Vehicle

1. Place the assembled cross bar onto the vehicle's side rails, ensuring the correct front/rear and left/right orientation.
2. Align the mounting points of the end supports with the exposed holes on the vehicle's side rails.
3. Use the provided Allen keys (T4 for initial loosening, T5 for final tightening) to secure the cross bars.
4. Adjust the length of the cross bars as needed to fit snugly between the side rails. Loosen the screws on the end supports, adjust the length, then tighten the screws.
5. Once the cross bars are in place and the length is adjusted, fully tighten all screws to ensure a secure fit.
6. Close the protective covers on the end supports and lock them using the provided keys. This anti-theft feature helps prevent unauthorized removal.

4.5. Installation Video Guides

For a visual guide on the installation process, please refer to the videos below:

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Video: JOYTUTUS Roof Rack Cross Bars Toyota RAV4 2019-2024 Set-up. This video demonstrates the step-by-step installation of the cross bars on a Toyota RAV4, including assembly and mounting.

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Video: Roof Rack Crossbars with Raised Side Rails Installation. This video provides an additional visual guide for installing cross bars on vehicles with raised side rails, similar to the RAV4.

5. OPERATING INSTRUCTIONS

Once installed, your JOYTUTUS cross bars are ready to support various rooftop cargo accessories.

- **Attaching Accessories:** Use compatible attachments (e.g., kayak carriers, bike racks, cargo boxes) designed for cross bars. Follow the accessory manufacturer's instructions for secure attachment.
- **Load Distribution:** Always distribute the weight of your cargo as evenly as possible across both cross bars and within the accessory.
- **Secure Fastening:** Ensure all cargo and accessories are tightly secured to prevent movement during travel. Use straps, nets, or other appropriate fasteners.
- **Aerodynamic Design:** The cross bars feature an aerodynamic profile designed to reduce wind resistance and noise, especially at speeds under 75 mph.

Quiet Your Trip

Aerodynamic design, reduce wind resistance and wind noise



Image: Aerodynamic design of the cross bars helps reduce wind noise, contributing to a quieter ride.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your roof rack cross bars.

- **Regular Inspection:** Periodically check all bolts, screws, and connections for tightness. Tighten any loose fasteners.
- **Cleaning:** Clean the cross bars with mild soap and water. Avoid abrasive cleaners that could damage the finish.

- **Corrosion Prevention:** The high-quality aluminum construction is designed to resist corrosion. However, regular cleaning, especially after exposure to salt water or road salt, is recommended.
- **Storage:** If not in use for extended periods, consider removing the cross bars to minimize wear and tear and potentially improve fuel efficiency. Store them in a dry, protected area.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Excessive Wind Noise	Improper installation, loose components, or specific cargo shape.	<ul style="list-style-type: none">◦ Ensure all bolts are tightened correctly.◦ Verify the aerodynamic profile is facing the correct direction (round edge forward).◦ Adjust cargo placement or consider wind fairings if noise persists.
Cross Bars Feel Loose	Bolts not fully tightened, incorrect length adjustment.	<ul style="list-style-type: none">◦ Re-tighten all M8x40mm bolts using the T5 Allen key.◦ Re-adjust the length of the cross bars to ensure a snug fit between the side rails.
Difficulty Locking/Unlocking	Debris in the lock mechanism, key not fully inserted.	<ul style="list-style-type: none">◦ Clean the lock mechanism with a small brush.◦ Ensure the key is fully inserted and turned correctly.

8. SPECIFICATIONS

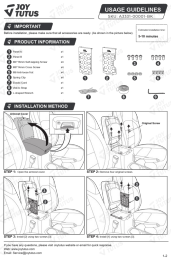
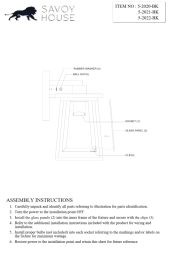

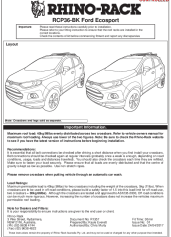
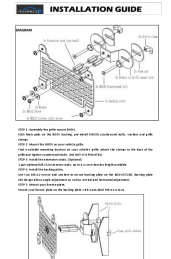
Feature	Detail
Brand	JOYTUTUS
Model Number	A1317-05325-BK
Compatibility	Toyota RAV4 2019-2025 with Factory Side Rail (Excludes Adventure/Hybrid Woodland Edition/TRD Off-Road/22-24 LE)
Material	High-quality Lightweight Aluminum
Color	Black
Load Capacity	220 Pounds (100 kg)
Product Dimensions (L x W x H)	44.88 x 8.27 x 3.94 inches (Front Bar)
Mounting Type	Power Grip (Clamping-designed)
Special Features	Anti-theft locks, Aerodynamic profile, Adjustable length

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact JOYTUTUS customer service directly. Keep your purchase receipt for warranty claims.

Contact Information: Please refer to the official JOYTUTUS website or the contact details provided with your product for the most up-to-date support information.

Related Documents - A1317-05325-BK

	<p>Joytutus Vehicle Armrest Cover Installation Guide - Model A3331-00001-BK</p> <p>Step-by-step installation guide for the Joytutus vehicle armrest cover (SKU: A3331-00001-BK), including parts list and application scenarios for Wrangler JL and Gladiator JT.</p>
	<p>Savoy House 5-2020-BK/5-2021-BK/5-2022-BK Wall Lantern Assembly Instructions</p> <p>Step-by-step assembly instructions for Savoy House outdoor hardwired wall lanterns (models 5-2020-BK, 5-2021-BK, 5-2022-BK), including parts identification and installation guidance.</p>
	<p>Brüel & Kjær Vibro SETPOINT CMS 2021 R2 Release Notes</p> <p>Comprehensive release notes for Brüel & Kjær Vibro's SETPOINT Condition Monitoring Software (CMS), detailing updates, new features, and bug fixes across versions including CMS 2021 R2, CMS 2021, CMS 2020, CMS 2019, and CMS 2018, with a focus on industrial condition monitoring and PI System integration.</p>
	<p>Rhino-Rack RCP36-BK Ford Ecosport Fitting Instructions</p> <p>Detailed fitting instructions for the Rhino-Rack RCP36-BK roof rack system for the Ford Ecosport, including important safety information, load ratings, and parts list.</p>
	<p>TECHPICCO Universal License Plate Bracket Installation Guide No-Drill Vehicle Grille Mount</p> <p>Step-by-step installation guide for the TECHPICCO universal license plate bracket. This no-drill bracket is designed for vehicle grilles, including compatibility with Ford Maverick models. Includes detailed assembly instructions and parts list.</p>