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> Wonderdriver Roof Rack Cross Bars Instruction Manual

## wonderdriver WD-193

# Wonderdriver Roof Rack Cross Bars Instruction Manual

Model: WD-193

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Wonderdriver Roof Rack Cross Bars. Designed for durability and versatility, these cross bars enhance your vehicle's cargo capacity for various outdoor activities.

### Product Overview

The Wonderdriver Roof Rack Cross Bars are engineered with a heavy-duty, one-piece molding customized bracket and a black matte powder-coated finish, ensuring solid and anti-rust performance. They offer a stable structure with a load capacity of up to 200 lbs (90 kg).



Figure 1.1: Wonderdriver Roof Rack Cross Bars installed on a Jeep Wrangler.

### Compatibility

These roof rack cross bars are compatible with Jeep Wrangler JK (2007-2018), Jeep Wrangler JL (2018-2025), and Jeep Gladiator JT (2019-2025) models. **Important Note:** Compatibility is limited to vehicles with a hard top that features a gutter running the entire length of the roof. Not suitable for soft top models.

# Compatible with Jeep Wrangler & Jeep Gladiator 2007-2024



Compatible with Wrangler JK 07-18 & Wrangler JL 18-24 & 19-24 Jeep Gladiator JT with hard top



Not Compatible with vehicle with soft top

Figure 1.2: Compatibility details for Jeep Wrangler and Gladiator models, highlighting hard top requirement.

## 2. PACKAGE CONTENTS

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Before beginning installation, please verify that all components listed below are present in your package:

- 2 x Cross Bars (Front and Rear)
- 4 x Mounting Bases (2 Front, 2 Rear)
- 1 x Metal Key
- 1 x Allen Wrench
- 1 x Installation Manual
- 7 x Spare Parts (screws, etc.)



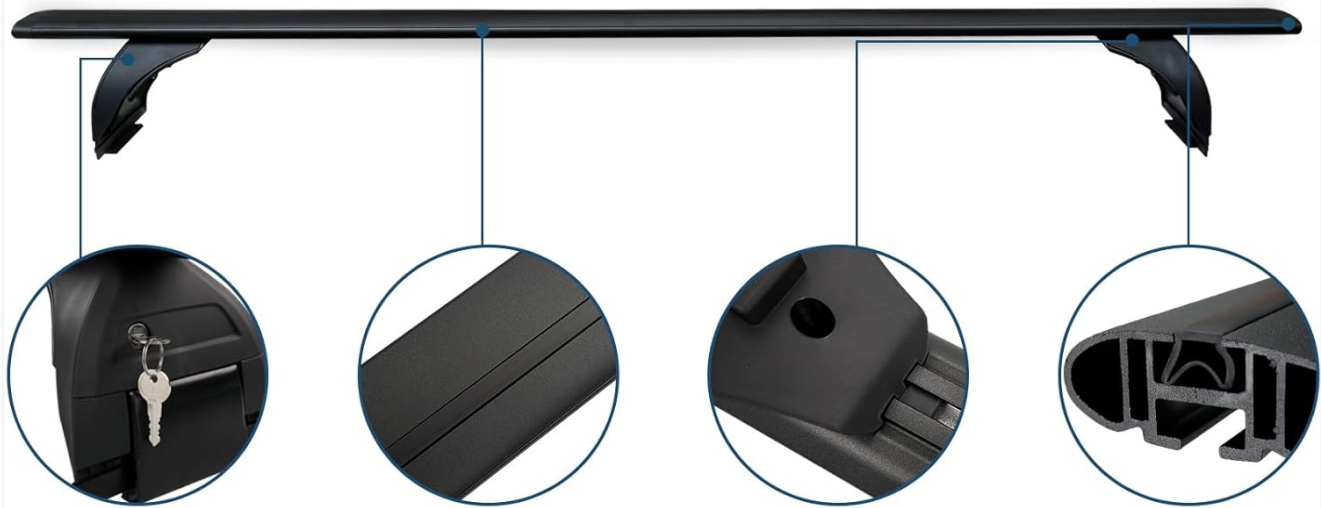
Figure 2.1: All components included in the package.

### 3. SPECIFICATIONS

Feature	Detail
Brand	Wonderdriver
Model Number	WD-193
Color	Black
Material	Aluminum + Plastic
Load Capacity	200 Pounds (90 kg)

Feature	Detail
Item Dimensions (L x W x H)	58 x 5 x 4 inches (approx. 147 x 12.7 x 10.1 cm)
Item Weight	18 pounds (approx. 8.16 kg)
Mounting Type	U-Bolt
Automotive Fit Type	Vehicle Specific Fit

# PRODUCT INFORMATION



PRODUCT NAME	LOAD CAPACITY	COLOR	FITMENT	MATERIAL
Roof Rack	200LBS 90KG	Black	Compatible with Jeep Wrangler 2007-2024	Aluminum +Plastic

Figure 3.1: Visual summary of product specifications.

## 4. INSTALLATION GUIDE

The Wonderdriver Roof Rack Cross Bars feature an upgraded base feet structure for simplified installation. Follow these steps carefully for a secure fit.

## Installation Video

Your browser does not support the video tag.

Video 4.1: Official installation guide for Wonderdriver Roof Rack Cross Bars.

This video demonstrates the assembly and mounting process, including how to adjust the length and secure the cross bars to your vehicle's roof.

## Step-by-Step Instructions

1. **Prepare Components:** Unpack all items and identify the front and rear cross bars, mounting bases, and hardware. Note that the length of the front and rear bars is the same.
2. **Attach Mounting Bases:** Slide the mounting bases onto the ends of each cross bar. Ensure they are correctly oriented. Insert the screws but do not tighten them fully at this stage to allow for length adjustment.
3. **Adjust Length:** The cross bars are length adjustable. Unlock and open the lid on the mounting bases to access the adjustment mechanism. Adjust the length to fit your vehicle's roof track.
4. **Apply Sponge Pads:** Measure the distance of the track on the back of the crossbar. Cut the provided sponge pads to the corresponding length and stick them at the track accordingly. This sealing helps effectively reduce wind noise.
5. **Mount to Vehicle:** Carefully place the assembled cross bars onto your vehicle's roof gutters. Ensure proper alignment.
6. **Secure Cross Bars:** Once positioned correctly, tighten all screws on the mounting bases using the provided Allen wrench. Ensure a snug and secure fit.
7. **Engage Anti-Theft Lock:** Use the metal key to lock the anti-theft mechanism on each mounting base. This secures the cross bars to your vehicle and prevents unauthorized removal.

# ANTI-THEFT CUSTOMIZABLE



Figure 4.2: Detail of the anti-theft lock mechanism.



Figure 4.3: Details of the locking mechanism and crossbar connection.

## 5. OPERATION

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Your Wonderdriver Roof Rack Cross Bars are designed for versatile cargo management, allowing you to transport

various items securely.

## Loading Cargo

These cross bars are compatible with a wide range of rooftop accessories, including cargo carriers, bike mounting racks, snowboards, roof boxes, roof bags, kayak racks, and canoe racks. Always ensure that cargo is evenly distributed and securely fastened to prevent shifting during transit.

# CARRY MORE EQUIPMENT FOR YOUR TRIP

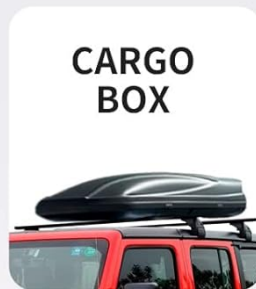


Figure 5.1: Examples of equipment that can be carried on the roof rack.

## Maximum Load Capacity

The maximum load capacity for these cross bars is **200 pounds (90 kg)**. Do not exceed this weight limit to ensure safety and prevent damage to your vehicle or the roof rack system. Always refer to your vehicle's owner's manual for its specific roof load capacity limits.

Maximum load capacity

**200LBS / 90KG**

No limits on your adventure



**Aerodynamic Design**  
Less wind noise



**High-quality Aluminum**  
Light weight



**Easy to install**  
No cutting



**Anti-theft**  
With Lock Key



Figure 5.2: Visual representation of the maximum load capacity.

## Aerodynamic Design

The low-profile and streamline design of the cross bars is effective in reducing wind noise when driving at higher speeds. For optimal performance and minimal noise, ensure all components are securely fastened and any unused accessories are removed.

## 6. MAINTENANCE

Regular maintenance will ensure the longevity and safe operation of your Wonderdriver Roof Rack Cross Bars.

- **Regular Inspection:** Periodically check all bolts, screws, and mounting points for tightness. Re-tighten as necessary, especially after initial installation and before long trips.
- **Cleaning:** Clean the cross bars with mild soap and water. Avoid abrasive cleaners or solvents that could

damage the finish.

- **Lubrication:** If the locking mechanism becomes stiff, apply a small amount of graphite lubricant to the keyhole.
- **Storage:** If removing the cross bars for extended periods, store them in a dry place away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

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Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Excessive Wind Noise	Loose components; improperly installed sponge pads; unsealed gaps.	Ensure all screws are tightened. Verify sponge pads are correctly installed and sealing the track. Remove any unused accessories.
Cross Bars Feel Loose	Mounting bases not fully tightened; incorrect length adjustment.	Re-tighten all mounting screws. Re-check length adjustment to ensure a snug fit within the roof gutters.
Difficulty Locking/Unlocking	Debris in keyhole; stiff mechanism.	Clean the keyhole. Apply a small amount of graphite lubricant to the keyhole.

## 8. WARRANTY AND SUPPORT

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Wonderdriver Roof Rack Cross Bars are backed with a **12-month warranty**.

If you have any concerns, questions, or require assistance with your product, please do not hesitate to contact Wonderdriver customer support. Refer to your purchase documentation for specific contact information or visit the official Wonderdriver website.