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Young Electric 4147

Young Electric 200 LBS. Hitch Mount Ebike Rack Instruction Manual

Model: 4147

INTRODUCTION

This manual provides detailed instructions for the assembly, installation, operation, and maintenance of your Young Electric 200 LBS. Hitch Mount Ebike Rack. Designed for durability and ease of use, this rack securely transports up to two electric or mountain bikes with a combined weight of 200 lbs. Please read this manual thoroughly before use to ensure safe and proper operation.

SAFETY INFORMATION

- Always ensure the rack is securely attached to a 2-inch hitch receiver before loading bikes.
- Do not exceed the maximum weight capacity of 200 lbs (100 lbs per bike).
- Verify all straps, cradles, and locking mechanisms are properly engaged and tightened before driving.
- Regularly inspect the rack for any signs of wear, damage, or loose components.
- Be aware of the increased length and width of your vehicle when the rack is installed, especially when backing up or maneuvering.
- Ensure bikes do not obstruct vehicle lights or license plates. Consider purchasing additional tail lights if visibility is compromised.
- Drive cautiously, especially over rough terrain, and avoid sudden braking or sharp turns.

PACKAGE CONTENTS

The package includes the following components:

- Bike Rack (main assembly)
- Locking Hitch Pin
- Hardware (bolts, nuts, washers)
- Instruction Manual

Note: Some parts may be pre-installed on the product for convenience. Please check the product thoroughly before use.

contacting support for missing parts.

SPECIFICATIONS

Brand	Young Electric
Model Number	4147
Load Capacity	200 Pounds (90.7 kg)
Mounting Type	Hitch (2-inch receiver only)
Foldable	Yes
Product Dimensions (L x W x H)	47.24 x 19.48 x 7.08 inches (120 x 49.5 x 18 cm)
Item Weight	61.6 pounds (27.9 kg)
Material	Reinforced Steel and Aluminum
Max Wheelbase	50 inches
Tire Compatibility	Road, Mountain, Fat Tires (up to 5 inches wide)

SETUP AND INSTALLATION

The Young Electric Ebike Rack is designed for straightforward assembly. Most major components come pre-assembled. This rack is compatible only with vehicles equipped with a 2-inch hitch receiver.

1. Attaching the Rack to Your Vehicle

1. Slide the hitch arm of the bike rack into your vehicle's 2-inch hitch receiver.
2. Align the hitch pin holes. Insert the provided locking hitch pin through the aligned holes.
3. Securely tighten the locking hitch pin. This threaded pin design helps reduce wobble during transport.
4. Ensure the rack is firmly seated and does not wobble excessively.



Image: The Young Electric Hitch Mount Ebike Rack, ready for installation onto a vehicle's 2-inch receiver.

2. Preparing the Rack for Bikes

- Unfold the bike trays and vertical support arms if they are in the folded position. The convenient handle device allows for one-handed folding/unfolding.
- Adjust the wheel cradles and adjustable sliders to match the wheelbase of your bikes. The rack accommodates wheelbases up to 50 inches.
- Ensure the stable-grip mega cradles are positioned correctly to support your bike tires, including fat tires up to 5 inches wide.

FOLDS UP CLEARS OUT

Folds in Seconds / Clears Your Garage



← AFTER



EASY FOLD
WITH ONE-HANDED



Fold Flat,
Drive Free



Stable &
Safe Build



Tool-Free
Folding



Garage-Ready
Design



BEFORE →

Image: The EZ-FOLD mechanism, demonstrating how the rack folds up for storage or when not in use, and unfolds for bike transport.



Adjustable Sliders

Tailor fit most bikes with different wheelbase.

Stable-Grip Mega Cradle:

Ultra-Wide Wheel Support For Zero-Wobble Travel



Fits Road, Mountain Bike, Fat Tires Up To 5" Wide

EASY ADAPTING TO DIFFERENT BIKES

Max Wheelbase 50"

Image: Close-up view of the adjustable sliders for wheelbase customization and the stable-grip mega cradle designed for various tire sizes, including fat tires.

OPERATING INSTRUCTIONS

1. Loading Bikes

1. Place the first bike onto the rack, ensuring its wheels are seated firmly in the wheel cradles.

2. Secure the bike's frame using the adjustable arm bar. Position the clamp on a sturdy part of the bike frame, avoiding cables or hydraulic lines.
3. Use the patent secure wheel cradles and anti-wobble straps to firmly secure both wheels. Ensure the straps are correctly looped through the designated slot and tightened. Refer to the diagram below for correct strap usage.
4. Repeat the process for the second bike.
5. Double-check all attachment points and straps for tightness before driving.



Image: Visual guide illustrating the correct method for securing bike wheels with the provided straps, and an example of incorrect usage.



OFF-ROAD FIRST DOWN TO THE LAST BOLT

Engineered for E-Bikes / Secured for the Roughest Roads

Image: Illustration highlighting the three key security points: front wheel cradle, adjustable arm bar, and adjustable slider, ensuring bikes are held firmly.

2. Tilting Feature for Trunk Access

The rack features a tilt function, allowing you to access your vehicle's trunk or tailgate without removing the bikes. Locate the tilt release mechanism (usually a lever or pin near the hitch connection) and follow the instructions to tilt the rack downwards. Return the rack to its upright, locked position before driving.



TIILT WITH EASE TRAVEL AT PEACE

Pop the Trunk without Touching Your Bikes

Image: The bike rack in a tilted position, providing clear access to the vehicle's rear cargo area even with bikes loaded.

MAINTENANCE

- Regular Cleaning:** Clean the rack periodically with mild soap and water to remove dirt, road grime, and salt, especially after use in harsh weather conditions. Rinse thoroughly and dry.
- Inspect Fasteners:** Before each use, check all bolts, nuts, and pins for tightness. Re-tighten any loose fasteners to prevent wobble and ensure security.

- **Check Straps and Cradles:** Inspect the wheel straps and frame cradles for signs of wear, cracks, or damage. Replace any worn components immediately.
- **Lubrication:** Apply a small amount of lubricant to moving parts, such as the folding and tilting mechanisms, to ensure smooth operation.
- **Storage:** When not in use, store the bike rack in a dry, protected area to prolong its lifespan.

TROUBLESHOOTING

Issue: Rack wobbles excessively in the hitch receiver.

Solution: Ensure the threaded hitch pin is fully inserted and tightened. The threaded design is specifically intended to minimize wobble. If wobble persists, verify your vehicle's hitch receiver is free of debris and the pin is correctly engaged.

Issue: Bike wheels are not securely held by the straps.

Solution: Verify that the straps are correctly threaded through the ratchet mechanism and the designated slot on the wheel cradle. Refer to the "Correct Usage" diagram in the Operating Instructions section. Ensure the strap is pulled taut and ratcheted down firmly.

Issue: Difficulty folding or unfolding the rack.

Solution: Check for any obstructions or debris in the folding mechanism. Apply a small amount of lubricant to the pivot points if movement is stiff. Ensure the release handle is fully engaged or disengaged as required.

WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about replacement parts, please contact Young Electric customer service. Keep your purchase receipt and product model number (4147) handy for faster service.

You can visit the official Young Electric store for more information: [Young Electric Store](#)



Related Documents - 4147

	<p>Young Electric SOLE R Hitch Bike Rack Manual: Assembly, Installation & Specifications</p> <p>Comprehensive user manual for the Young Electric SOLE R hitch bike rack. Includes parts list, step-by-step assembly, bike installation, technical specifications, safety warnings, and warranty information for your 2-inch hitch receiver.</p>
	<p>Young Electric FELLOW Hitch Bike Rack Manual</p> <p>Comprehensive user manual for the Young Electric FELLOW Hitch Bike Rack, detailing parts, assembly instructions, bike installation, technical specifications, and warranty information.</p>
	<p>Young Electric Platform Bike Rack - 2 Bike Assembly and User Manual</p> <p>Comprehensive assembly, mounting, and maintenance guide for the Young Electric Platform Bike Rack designed to carry 2 bikes. Includes warnings, tool requirements, step-by-step instructions, and troubleshooting tips.</p>

 Young Electric Owner's Manual	<p>YOUNG ELECTRIC E-Bike Owner's Manual: Assembly, Operation, and Maintenance Guide</p> <p>Comprehensive owner's manual for the YOUNG ELECTRIC E-bike, covering assembly instructions, safety precautions, battery care, HMI controls, maintenance schedules, troubleshooting, and limited warranty information.</p>
 Young Electric E-Flow Owner's Manual  <small>Please visit our YouTube channel for any assembly related video, please click here</small>	<p>YOUNG ELECTRIC E-FLOW Owner's Manual: Assembly, Safety, and Maintenance Guide</p> <p>Comprehensive owner's manual for the YOUNG ELECTRIC E-FLOW electric bicycle, distributed by Forcome Co., Ltd. Includes detailed assembly instructions, safety precautions, specifications, maintenance guidelines, and warranty information for optimal use and longevity.</p>
 Young Electric E-Scout Owner's Manual  <small>PRINTED WITH FRIENDS-FAMILY EXERCISE ADVENTURE...</small>	<p>YOUNG ELECTRIC E-SCOUT Owner's Manual and Assembly Guide</p> <p>Comprehensive owner's manual and assembly guide for the YOUNG ELECTRIC E-SCOUT electric bicycle, covering specifications, safety, assembly instructions, battery charging and storage, pre-ride checks, HMI control, maintenance, troubleshooting, service parts, and limited warranty information.</p>

Documents - Young Electric – 4147

SP385 Bellambi Street Toogoolawah SPS - Electrical Installation OM Manual

 

QUEENSLAND URBAN UTILITIES

SP385 Bellambi Street Toogoolawah

Contract : C1011-045 Order No: C1314-146
Job Number : 43402225

ELECTRICAL INSTALLATION

OPERATIONS and MAINTENANCE MANUAL

INSTALLATION BY:
Substation Design (Qld) Pty Ltd
19 Bells Street
Brisbane Qld 4010
Telephone: 07 3258 1522 Fax: 07 3256 1533

O-Pulse M: TMS1409
Active: 30/09/2015
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SP464 James St Lowood SPS - Electrical Installation OM Manual

 

QUEENSLAND URBAN UTILITIES

SP464 James Street, Lowood

Contract : C1011-045 Order No: C1314-146
Job Number : 43402225

ELECTRICAL INSTALLATION

OPERATIONS and MAINTENANCE MANUAL

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19 Bells Street
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SP412 Industrial Road Gatton SPS - Electrical Installation OM Manual

Urban Utilities **SJ ELECTRIC**

QUEENSLAND URBAN UTILITIES

SP412 Industrial Road Gatton

Contract : C1011-045 Order No: C1314-146
Job Number : 43402225

ELECTRICAL INSTALLATION

OPERATIONS and MAINTENANCE MANUAL

INSTALLATION BY:
Sullivan & Griggs Qld Pty Ltd
15 Bland Street
Brisbane Qld 4010
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O-Pak M: TMS1410 Active: 2008/2015 Page 1 of 1860

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SP445 Industrial Estate Beaudesert SPS - Electrical Installation OM Manual

Urban Utilities **SJ ELECTRIC**

QUEENSLAND URBAN UTILITIES

SP445 Industrial Estate Beaudesert

Contract : C1011-045 Order No: C1314-146
Job Number : 43402225

ELECTRICAL INSTALLATION

OPERATIONS and MAINTENANCE MANUAL

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15 Bland Street
Brisbane Qld 4010
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Upper John St Rosewood WPS WP71 Electrical Installation OM Manual Volume 2 Manufacturers Data (2.0)

Urban Utilities **SJ ELECTRIC**

QUEENSLAND URBAN UTILITIES

WP71 Upper John Street
Water Booster Pump Station

Contract : C1011-045 Order No: QUU025
Job Number : 43400731

ELECTRICAL INSTALLATION

OPERATIONS and MAINTENANCE MANUAL

VOLUME 2

INSTALLATION BY:
Sullivan & Griggs Qld Pty Ltd
15 Bland Street
Brisbane Qld 4010
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O-Pak M: TMS806 Active: 2010/2014 Page 1 of 9274

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SP044 Lytton Road East Brisbane SPS - Electrical Installation OM Manual

 

QUEENSLAND URBAN UTILITIES

SP044 Lytton Road East Brisbane

Contract : C1011-045 Order No: C1314-146
Job Number : 43402225

ELECTRICAL INSTALLATION

OPERATIONS and MAINTENANCE MANUAL

INSTALLATION BY:
Subcon Inc Orangefield Pty Ltd
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SP033 Adam Street Wynnum North SPS - Electrical Installation OM Manual

 

QUEENSLAND URBAN UTILITIES

SP033 Adam Street Wynnum North

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Job Number : 43402225

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