



Hitch Mount Platform 2-Bike Rack

Instruction Manual & Parts List

Model 50027



Read and understand this entire manual before assembling, installing, operating, or servicing this product.

SAVE THIS MANUAL

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IMPORTANT SAFETY INFORMATION

This is a **SAFETY ALERT** symbol.



It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



DANGER indicates a hazardous situation which, if not avoided, will result in death or injury.



WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



NOTICE indicates important information which, if not followed, may cause damage to equipment.

SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions. The manual offers important information on how to assemble, use and maintain this product.

Write the product's model number and purchase date on the cover page of this manual.

Keep this manual (and your purchase receipt) in a safe place.

UNPACKING

The shipment should be thoroughly inspected as soon as it is received. The signed "bill of lading" is acknowledgement by the carrier of receipt in good condition of shipment covered by our invoice. For your own protection, if any of the goods called for on the bill of lading are shorted or damaged, do not accept them until the carrier makes a notation on the freight bill of the shorted or damaged goods.

Notify MAXXHAUL immediately if any hidden loss or damage is discovered after receipt.

Definition of Symbols



WARNING concerning Risk of Eye Injury. Wear ANSI approved eye protection.



WARNING concerning Risk of Hearing Loss. Wear hearing protection.



IMPORTANT SAFETY INSTRUCTIONS



1. **Read and understand all safety warnings and instructions.** Failure to follow the warnings and instructions may result in serious injury or death. Save all warnings and instructions for future reference.

2. Personal and Work Area Safety

- A.  **Always wear ANSI approved safety goggles.**
- B.  **Always wear hearing protection when working in noisy environments.** Prolonged exposure to high intensity noise can cause hearing loss.
- C.  **Use safety equipment.** Safety shoes, hard hat and work gloves must be used for applicable conditions.
- D. **Dress appropriately.** Never wear loose fitting clothing or jewelry when working. Contain long hair, and keep hair, clothing and gloves away from moving parts.

- E. **Use common sense when working.** Stay alert and concentrate when setting up and using the Hitch Mount Platform 2-Bike Rack (hereafter referred to as: Bike Rack). Never work while under the influence of alcohol, drugs or medications.

Personal and Work Area Safety (continued)

F. While assembling and using the Bike Rack keep work area clean and well lighted. Keep spectators and children out of the work area.

3. Use of the Bike Rack

A. Bike Rack must be attached to a 2" x 2" Class III or Class IV hitch receiver.

The vehicle's hitch receiver must be properly installed by a qualified service technician and be certified to support the weight of this Bike Rack and its contents (**Model 50027 maximum weight capacity of 2 bikes = 75 Lbs.**).

B. Do not modify the Bike Rack and do not use this product for purposes that it was not designed for.

C. Never exceed the maximum weight capacity shown in 3A above.

D. Be aware of the danger of "dynamic loading". This situation arises when a load is dropped onto the Bike Rack, resulting in a short term excessive load. Dynamic loading can result in damage and failure of the Bike Rack and/or hitch receiver, and personal injury to the person loading the Bike Rack.

E. Never load people or animals onto the Bike Rack. Keep children and spectators well clear when loading, unloading and using this product.

F. Adhere to all Department of Transportation (D.O.T.) requirements when using this product. Always use the wheel Straps (8) to securely hold the bicycles in place.

G. For the vehicle that will support the Bike Rack, read all pertinent vehicle instructions and warnings provided in the owner's manual. Make sure the vehicle's engine is

OFF, with parking brake set, before loading or unloading the Bike Rack.

H. Note the position of the vehicle's exhaust pipes before setting up the Bike Rack. Make sure exhaust pipes are not in close proximity to the loaded bicycles. Flammable goods loaded on the Bike Rack could catch on fire due to heat from exhaust. If this risk exists on your vehicle, do not use the Bike Rack.

I. Do not use this Bike Rack on a trailer or 5th wheel R.V. Do not use with bicycles fitted with large accessories (such as a child carrying seat). Do not exceed 55 MPH vehicle speed when Bike Rack is attached.

J. Always check Split Pins, Latch Pins and Hooks for tightness prior to each trip. Replace bike Straps annually, or at first sign of wear. Due to outside elements, the rubber Straps and Rubber Sleeves (10 and 22) could crack and could possibly become detached. Check these components prior to every use. If rubber components become cracked or detach, do not use the Bike Rack; contact MaxxHaul for replacements.

K. This bike rack is for normal applications on paved roads or on smooth gravel roads. **Do not use on off-road conditions.** Use on rough roads will put extra stress on this rack and the bicycles, and the jarring and extra movement from a rough trip may result in damage to both the bicycles and the Bike Rack.

L.

NOTICE

 Protect your bicycle frame from damage by taking extra precautions when loading, unloading and when transporting your bicycle on the Bike Rack. Bike frame contact with components and hardware on the Bike Rack while moving the bicycle on and off the Bike Rack can cause scratches and other damage. Even while using straps, tie downs, and extra padding to secure the bike, the bike and Bike Rack

3. Use of the Bike Rack (continued)

will shift slightly while being transported over different rough surfaces. This is why extra padding (not included) should be added to all parts of the bike frame that come in contact with the Bike Rack. Extra frame padding might be needed to insulate the bike frame from the Bike Rack's Rubber Sleeves used to hold the bike in place.

M. Before each trip, check the Bike Rack to make sure that the Bike Rack frame is in good condition. Check the Rubber Sleeves and rubber Straps to make sure they are in good condition. **Make sure the Knobs (31) are tightened down to secure the Rubber Sleeves in place.**

N. Always wear ANSI approved safety goggles when assembling and setting up this product and when loading or unloading bicycles.

O. When adjusting, tightening and loosening Rubber Sleeves (10 and 22) be careful not to damage the bike's brake lines. Use extra padding (not included) to buffer bicycle components from rubbing against the vehicle, other bikes, or the Bike Rack. **Always use additional tie-downs and straps (both not included) to keep bicycles from excessive movement during transit.**

P. Once the bicycles are loaded onto the Bike Rack review the final position of each bike. Make sure that no part of any bike is near the vehicle's exhaust pipes. **Make sure bike components are not in the direct exhaust flow. All bike components should be at least 6 inches away from any exhaust pipe. Bike tires and frame components in close proximity to exhaust flow can melt or be otherwise damaged.**

Q. Protect the condition of the Bike Rack. When not being used, remove the Bike Rack

from the vehicle and store it indoors.

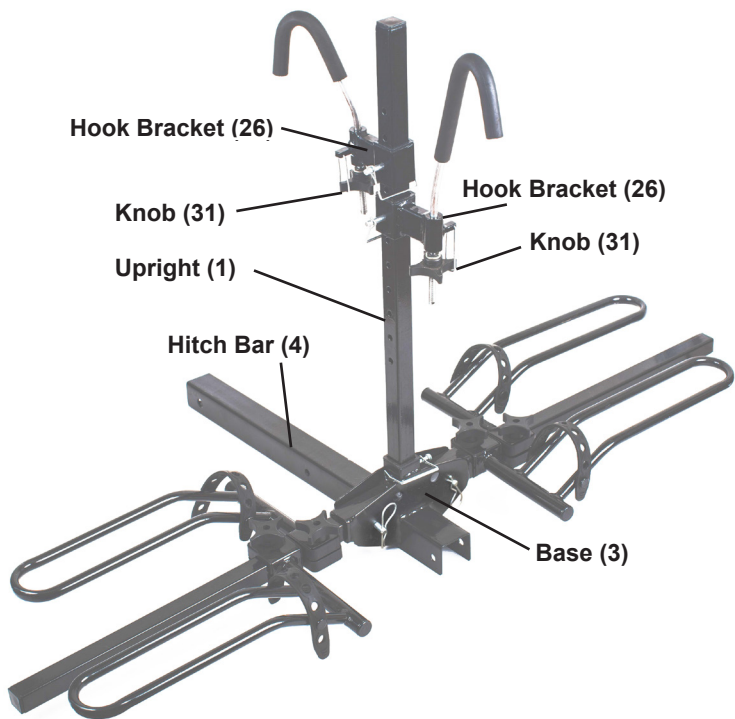
R. Maintain labels and nameplates on the Bike Rack. They contain important information and must always remain readable. Contact MAXXHAUL for replacements.

S. Everyone using the Bike Rack should read and understand these warnings prior to loading a bicycle on the Bike Rack.

MAXXHAUL is not responsible for the attachment or the installation of this product. MAXXHAUL cannot be responsible for the methods use to attach bicycles to this Bike Rack. **The attachment, removal and transport of bicycles on this Bike Rack is critical and beyond the control of MAXXHAUL.** It neither guarantees, nor will it be liable for any damage to the bicycle frame or it's other components resulting from the attachment or improper use of the Bike Rack.

Careful planning beforehand on how your bicycle is to be protected while being transported, will help keep your bicycle free from damage. Always use tie down straps to secure the bikes to the rack.

Keep in mind that the warnings previously discussed cannot cover all possible conditions or situations that could occur. It is important that the person setting up and using this product understand that common sense and caution are factors that cannot be built into this product, and must be supplied by the person(s) using this product. Save these warnings.



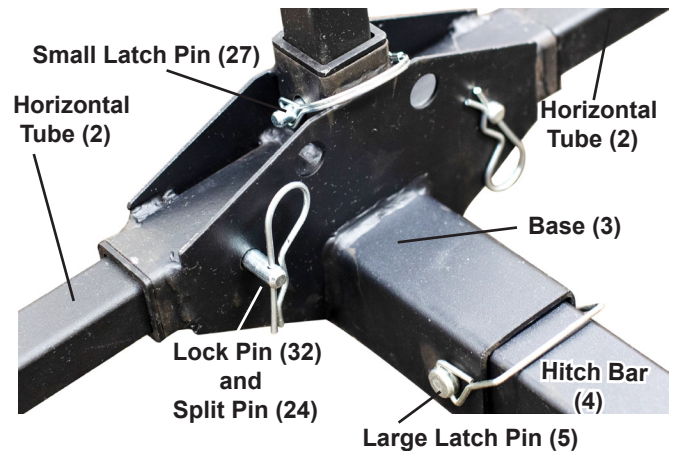
Assembling and Setting Up the Bike Rack



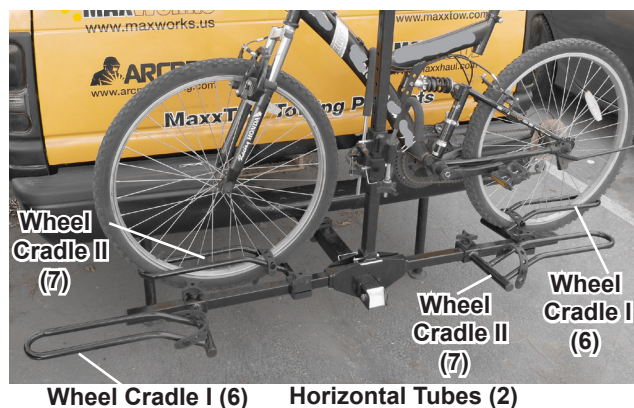
Always wear ANSI approved safety goggles.

1. Refer to three photos on this page. Also see Assembly Diagram and Parts List at end of this manual.
2. This product requires complete assembly. Components are heavy and can be bulky to position in place. It is recommended that two people complete the assembly and set-up. If you are not experienced in doing this type of assembly, it is recommended that assembly and set-up be done by qualified service technicians.
3. Lay out all components on a soft surface to protect the painted parts.
4. Remove both Hook Brackets (26) from Upright (1) and adjust hook rod Knobs (31) to be in the lowest position (about 1/4" from the bottom of the hook rod threaded bolt). Set aside the Hook Brackets for now; they will be used later.

5. Insert end of Hitch Bar (4) into bottom of Base (3). Align the holes and secure the hole nearest the end of Hitch Bar with large Latch Pin (5). Engage the safety wire to hold the Latch Pin in place. See photo below.



6. Attach each Horizontal Tube (2) into the side openings of the Base (3). Secure each Horizontal Tube (2) with Lock Pin (32) and Split Pin (24). See photo above.
7. Assembling Wheel Cradles I and II (6, 7). See photo below and Assembly Diagram to note how Wheel Cradle I and Wheel Cradle II are positioned on the Horizontal Tubes (2). See photo below.



With the Horizontal Tubes (2) and Base (3) laying on the ground, slide on the Wheel Cradles. Place the bike to be loaded on the Bike Rack **next to** the Wheel Cradles and measure the distance between the center point of each bike wheel.

7. Assembling Wheel Cradles (continued)

The Wheel Cradles should be positioned so that the center point of each Cradle is this same distance apart. This will allow each bike wheel to rest securely in the center of each Wheel Cradle. Tighten the Knobs (13) to secure each Wheel Cradle in place. **This step is for measurement, so that adjustment of the Wheel Cradles does not have to be done when the Bike Rack is already on the vehicle's hitch receiver.**

Note: If only one bike is to be positioned on the Bike Rack, it should be placed on the inward Wheel Cradles (closest to rear of vehicle). See photo on bottom of Page 5.

If the Bike Rack is to be used to carry only one bike, the outer Wheel Cradles should be slid inward (and out of the way) towards the Base (3), or removed altogether from the Bike Rack. See photo below.



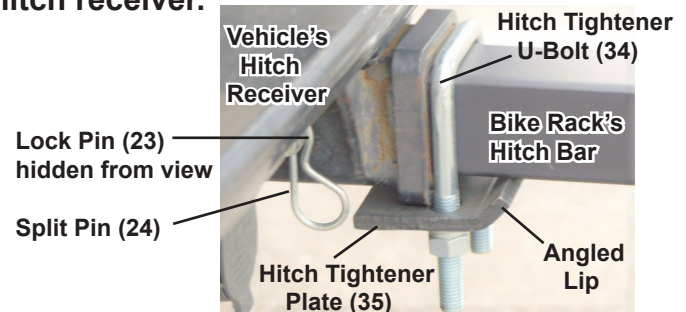
8. Attaching Upright (1). Slide the end of the Upright with the mounting hole, into the top of Base (3). Secure in place with small Latch Pin (27). Note the Upright can be adjusted upward or downward, depending on the size of the bikes.

9. With assembly complete, it is time to assemble the Bike Rack to the vehicle's hitch receiver.

Make sure the vehicle is in a safe location, away from traffic, when setting up the Bike Rack and when loading or off-loading bikes. Vehicle's engine must be OFF, with parking brake set.

Slide the Hitch Bar (4) into the vehicle's hitch receiver. Align holes and Insert Lock Pin (23) and use Split Pin (24) to secure Hitch Bar to vehicle's hitch receiver.

Note: **Hitch Tightener Plate (35) is to be added to create a solid, rigid connection between the Bike Rack and the vehicle's hitch receiver.**



Place the Hitch Tightener Plate (35) under the leading edge of the vehicle's hitch receiver. The angled lip of Hitch Tightener Plate rests against the bottom side of the Bike Rack's Hitch Bar (4). Slide Hitch Tightener U-Bolt (34) over the Hitch Bar and secure U-Bolt from the underside with Flat Washer, Spring Washer and Nut (36, 37, 38). See photo above.

10. Placing first bike on the Bike Rack:

Place bike on inside Wheel Cradles (closest to rear of vehicle). Bike sprocket must face outward with respect to bike rack, with bike crank and pedal clear of Upright (1) adjustment area.

Then slide Hook Bracket (26) with Long Hook (21) down the Upright (1) until Long Hook rod wraps around the bike frame. Slightly tighten revolving Knob (31) until you feel some tension. **Note:** Hook Rod has a slight bend to create distance between the bike frame and Upright (1). Avoid tightening the curved portion of the hook rod too far down into the hook bracket as this may make it more difficult to remove the bike later. See photo, top of next page.



With the curve of the hook rod clear of the Hook Bracket (26), position the Hook Bracket on the Upright so the holes line up. Now slide the small Latch Pin (27) through to lock the Hook Bracket in the desired position. Make sure that Latch Pin safety wire is engaged to lock the Latch Pin in place.

Tighten Knob (31) of hook rod to finally secure the bike frame to Upright (1). With this final adjustment, be careful not to damage bike brake lines or other components on the bike frame.

Swing down the wire Loop (28) of the Hook Bracket (26) to fully engage a tip of the Knob (31). See photo below.



Position bike wheels so that the bike Straps (8) can be put on without touching/damaging wheel spokes during transit.

For final bike security, use a ratcheting tie-down or other type of strap (both not included). Wrap tie-down/strap completely around the bike frame, Horizontal Tube (2) and Upright (1) as shown in the photo below.

Do a final check of all hardware, straps, pins and hooks to make sure that the bike and Bike Rack are securely in place before transit.

Placing second bike on the Bike Rack:

Place second bike on the outside Wheel Cradles (furthest from back of vehicle) with the bike facing in the opposite direction of the first bike.

Again, bike sprocket should face outward with respect to the Bike Rack.

Repeat the procedures in step 10 of Pages 6 and 7 to safely load and transport the second bike.



Do not overload the Bike Rack (maximum 2 bikes with maximum weight capacity of 75 Lbs. total).



Maintaining the Bike Rack

Frequently check the condition of the Bike Rack and the vehicle's hitch receiver. Make sure all components are in good condition. If the Bike Rack or hitch receiver become damaged through accident, or if any weld damage is noted, the product should be replaced.

Check to make sure that all hardware is tightly secured in place. Keep the Bike Rack clean.

When the Bike Rack is not being used, it should be removed from the vehicle and stored indoors.

Limited Warranty

MAXXHAUL warrants to the original retail purchaser that the product is free of defects in material and workmanship at the time of shipment. This Bike Rack is warranted for 90 days from the date of purchase. This warranty is expressly in lieu of all other warranties, express or implied.

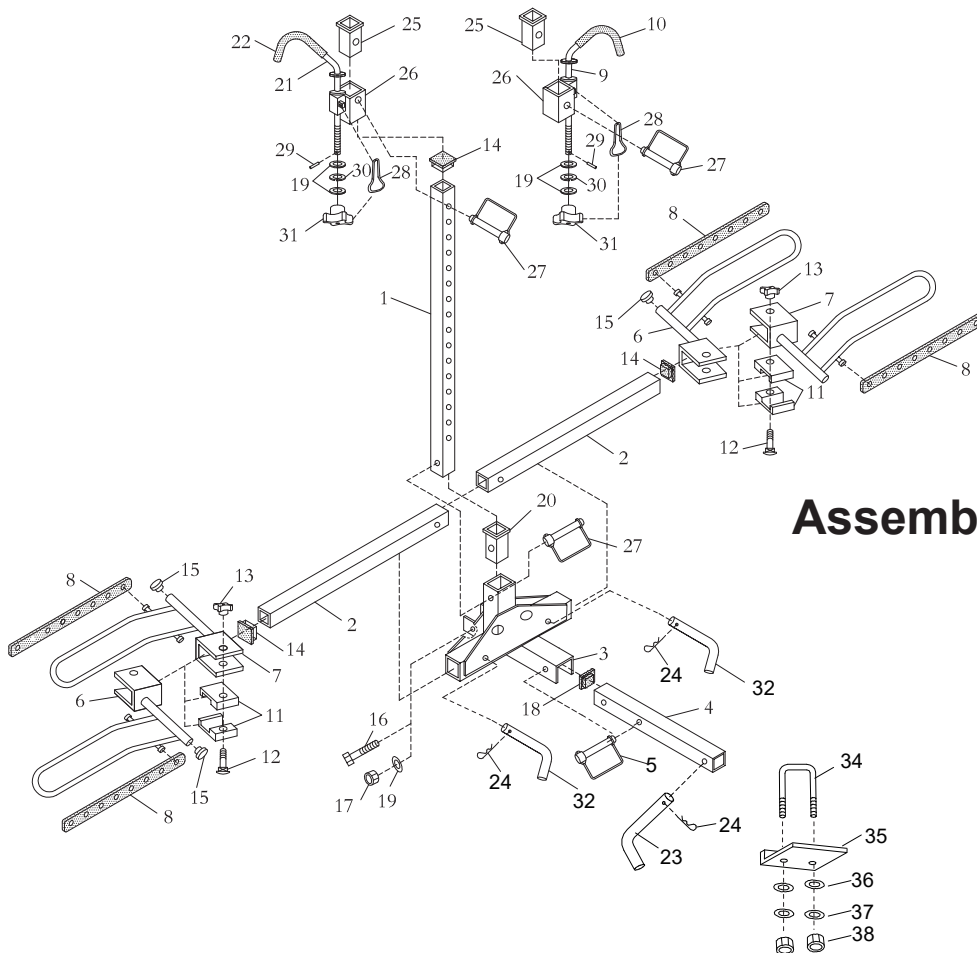
Proof of purchase is required for warranty transactions; a copy of the original invoice or sales receipt is required.

SPECIFICATIONS

Maximum Weight Capacity	75 Lbs.
For Use With	2" x 2" Class III and IV Hitch Receivers
Application	Holds up to 2 bicycles

Parts List

Part #	Description	Qty	Part #	Description	Qty
1	Upright	1	20	Long Bushing	1
2	Horizontal Tube	2	21	Long Hook	1
3	Base	1	22	Rubber Sleeve	1
4	Hitch Bar	1	23	Lock Pin	1
5	Latch Pin (large)	1	24	Split Pin	3
6	Wheel Cradle I	2	25	Short Bushing	2
7	Wheel Cradle II	2	26	Hook Bracket	2
8	Strap	4	27	Latch Pin (small)	3
9	Short Hook	1	28	Loop	2
10	Rubber Sleeve	1	29	Spring Pin 3x10	2
11	Plastic Bushing	4	30	Spring Washer 10	2
12	Bolt M8x50	4	31	Knob	2
13	Knob	4	32	Lock Pin	2
14	Plastic End I	3	34	Hitch Tightener-UBolt	1
15	Plastic End II	4	35	Hitch Tightener-Plate	1
16	Bolt M10 x 75	1	36	Flat Washer 12	2
17	Lock Nut M10	1	37	Spring Washer 12	2
18	Plastic End III	1	38	Nut M12	2
19	Flat Washer 10	5			



Assembly Diagram

Note: The Parts List and Assembly Diagram is provided as a reference tool only. Some parts are listed and shown for illustration purposes only, and are not available as replacement parts. All repairs to this product (including replacing parts) should only be done by a qualified service technician.

Manufactured for and distributed by:

Maxx Group LLC

300 S. Lewis Road, Suite H

Camarillo, CA 93012 USA www.maxxhaul.com9

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