

# BOSS

## DIRT BIKE STRAPLESS RACK OWNER'S MANUAL



**⚠WARNING:** Read this manual before installing or operating the dirt bike rack. Failure to follow the safety guidelines or operation procedures can result in serious personal injury or damaged equipment.

**Note:** Figures shown in this manual may not be drawn proportionally. Actual product may differ slightly due to continuous improvement.

Thank you for choosing an 808DS Dirt Bike Rack, the leader in loading, securing, and transporting dirt bikes of all sizes. For future reference, please complete the owner's record below:

Purchase Date: \_\_\_\_\_

Order Number \_\_\_\_\_

Please save your invoice and these instructions. To prevent personal injury, it is important that you read the entire manual to become familiar with the rack before installation or operation.

This product is designed for certain applications only which is detailed in the following pages. It is important to note that 808DS is not responsible for any issues arising from the modification of our products. 808DS does not recommend that our products be modified or used for applications other than dirt bikes or pedal bikes. Should you have any questions regarding the installation or operation of this product, contact 808DS BEFORE using the rack to prevent personal injury or damage to equipment.

For technical questions or replacement of parts, please call **1-888-405-2817**.

## Intended Use

The 808DS dirt bike rack was designed to safely load, secure, and transport standard sized dirt bikes without the need for straps. The rack is designed to be mounted to a van/truck bed or trailer with or without the use of a quick attach plate. Please reference pages 3-4 for mounting instructions. Custom built adapter stands are also available to keep the dirt bike stable while performing maintenance safely in your shop or garage. Please note that the rack is only designed to transport off-road dirt bikes and pedal bikes. **DO NOT** attempt to transport motorcycles other than dirt bikes. Use of this rack for street cruising motorcycles can result in personal injury and damage to property. Should your dirt bike not fit in this rack, please call 808DS at (888) 405-2817. **DO NOT** modify this rack to fit your dirt bike.

## SAFETY INFORMATION

**⚠Warning:** This instruction manual cannot cover all possible conditions or situations that could occur. The user must understand that common sense and caution are factors which cannot be built into this product, but must be supplied by the user.

- This product is not a toy. Keep children and bystanders away while operating. Distractions can cause accidents leading to personal harm or damage to property.
- Ensure installation area is clean and well-lit as accidents are more likely to occur in cluttered and dark areas.
- Do not use when tired or under the influence of drugs, alcohol or medication.
- Use personal protective equipment such as eye protection, dust mask, hearing protection, and heavy-duty work gloves.
- Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts such as drills.
- Make sure your front dirt bike wheel fits in the dirt bike rack. Do not modify this product or use it for a purpose for which it is not intended.
- Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the product's operation. If damaged, have the product repaired before use.
- Do not exceed maximum weight capacity for this rack (400 pounds). Loading a heavier motorcycle on the rack can result in dangerous conditions to both the operator and the bike you are attempting to load.
- Always mount the dirt bike rack securely on level, dry surfaces that are capable of bearing the combined weight of the rack and dirt bike.
- Do not ride the dirt bike into the rack.

## Specifications

Maximum Weight Capacity	400 Pounds
Wheel Size	15" to 28" L
Maximum Motorcycle Wheel Width	4" Using Standard Atrax 3" Using Small Atrax
Dirt Bike Rack Weight	50 lbs
Height – Width – Depth	31.75" x 5.7" x 19"

## Unpacking

When unpacking, check to make sure that the item is intact and undamaged. If any parts are missing or broken, please call 808DS-LLC at the number shown on the cover of this manual as soon as possible. Package contents should include: fully assembled rack, 3/8" locking pin, and 1/4" locking pin.

## Assembly

**⚠WARNING:** Read the **ENTIRE** important safety information section at the beginning of this manual including all text underneath of subheadings before assembly, installation, and operation of this dirt bike rack.

- Each rack should be provided with following items: fully assembled rack, 3/8" locking pin, and 1/4" locking pin. Please ensure no parts or missing or damaged prior to assembly.
- You will need the following tools (not included) to assemble and install the rack:
- The rack should be fully assembled upon delivery to fit tire diameters 26" to 28". Insert inner linkage into outer linkage and insert locking pin (Fig.2, pg.7) into linkage holes to hold Atrax (Fig.1, pg. 5). The location of this locking pin will vary depending on your specific size of tire. Correct placement is described in "Operating Instructions" (pg. 5). Refer to Figure 1 (pg. 5) for final assembly schematic. Note: should you have a dirt bike tire smaller than 26" refer to Tables 4,5 (pg. 7,8) for correct hole assembly and instructions.
- Ensure all hardware is tight before use.

**⚠WARNING:** The dirt bike rack must be mounted securely before use.

## Installation and Mounting Rack

**⚠Warning:** Verify that the installation surface has no hidden wires, brake lines, etc. before drilling.

### **Mounting in Wood** (*Watch video on-line [www.808DS.com](http://www.808DS.com)*)

- Place the dirt bike rack in the desired location that is flat, level, and capable of supporting the combined weight of the rack and dirt bike. Ensure the location allows enough room for you to stabilize the dirt bike and operate the handle for loading and unloading. Not providing yourself with a large enough walkway can result in personal injury. When possible, mount above or near frame cross members.
- Use the four mounting holes in the base of the rack as a template to mark where to drill the holes for the bolts to mount the rack. If using a quick attach plate, use plate as a template instead of the rack and refer to "Installation and Operation of Quick Attach Plate" (pg.4,5).
- 808DS recommends mounting the rack with bolts, washers, and lock nuts. Use a power drill (not included) and a 1/2" cutting drill bit (not included) to drill holes in the wooden floor.
- Secure the dirt bike rack to mounting surface by inserting 1/2" bolts with a washers and locking nuts on the bottom surface (not included).

### **Truck Bed Mounting** (Watch video on-line [www.808DS.com](http://www.808DS.com))

- Place the dirt bike rack in the desired location of the truck/van bed. Use the four mounting holes in the base of the rack as a pattern to mark where to drill the holes for the bolts to mount the rack. If using a quick attach plate, use plate as a template instead of the rack and refer to "Installation and Operation of Quick Attach Plate".
- Use a power drill (not included) and a 1/2" steel cutting drill bit (not included) to drill holes in the truck bed.
- Secure the dirt bike rack to mounting surface by inserting 1/2" bolts with a washers and locking nuts on the bottom surface (not included).

### **Installation and Operation of *Optional* Quick Attach Plate**

Note: Please see Figure 1 (pg. 5) for referenced quick attach parts.

- Place the quick attach plate in the desired location that is flat, level, and capable of supporting the combined weight of the rack and dirt bike. Ensure the location allows enough room for you to stabilize the dirt bike and operate the handle for loading and unloading. Not providing yourself with a large enough walkway can result in personal injury. When possible, mount above or near frame cross members.
- Use the four mounting holes in quick attach plate as a template to mark where to drill the holes for the bolts to mount the rack.
- Use a power drill (not included) and a 3/8" steel cutting drill bit (not included) to drill holes in the truck bed.
- Secure the dirt bike rack to mounting surface by inserting 3/8"-16 carriage bolts (2) with washers (3) and locking nuts (4) on the bottom surface.
- Once the quick attach plate is secured, simply slide the dirt bike rack into the quick attach plate. Next attach angle mount (7) to rack using 3/8"-16x3/4" cap screw (5) and jam nut (6) on both rear sides of the rack. Do not fully tighten yet.
- Align slotted hole in angle mount (7) to 3/8"-16 tapped hole in quick attach plate (1). Thread jam nut (6) onto thumb screw (9) and place washer (8) on top of angle mount. Insert thumb screw in angle mount slotted hole and tighten onto quick attach plate. While holding thumb screw, tighten jam nut (6) to angle mount. Finally, tighten cap screw (5).
- To remove rack, just loosen and remove the thumb screws, and simply slide the rack out of the quick attach plate.

Table 2 – If you have purchased the *Optional* Quick Attach Plate, please ensure you received all of the following parts before attempting to secure the rack using the quick attach plate.

Item#	QTY	Part Description
1	1	Quick Attach Plate
2	4	3/8"-16 square neck carriage bolt (NOT included)
3	4	3/16" thick washer
4	4	3/8"-16 nylon locking nut
5	2	3/8"-16 x 3/4" cap screw
6	4	3/8"-16 jam nut
7	2	Rack-to-quick attach angle mount
8	2	3/8" washer
9	2	3/8"-16 thumb screw

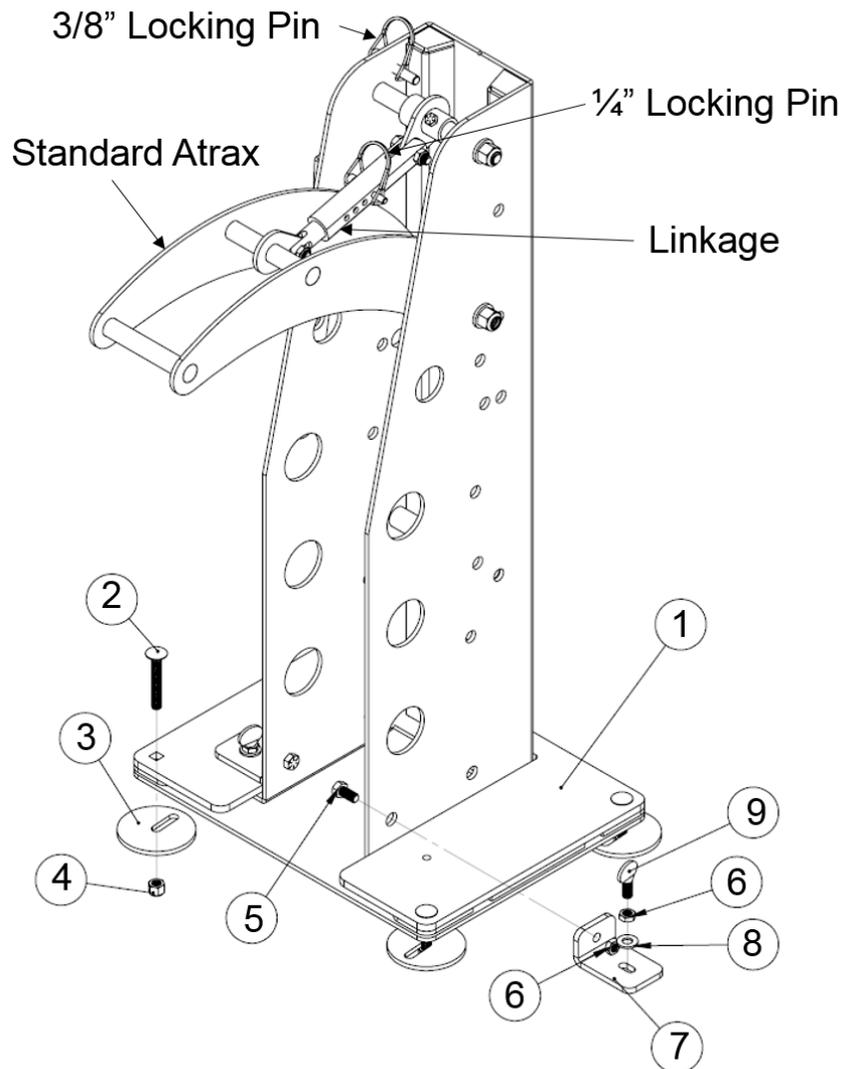


Figure 1 – Ensure quick attach hardware is tightened and rack is secure before installing bike.

## Operating Instructions

**⚠WARNING:** Read the “Safety Information” (pg. 2) at the beginning of this manual before assembly, installation, and operation of this dirt bike rack.

**⚠WARNING:** Do not drive motorcycle into the wheel rack.

Do not sit on the dirt bike when it is loaded in the dirt bike rack.

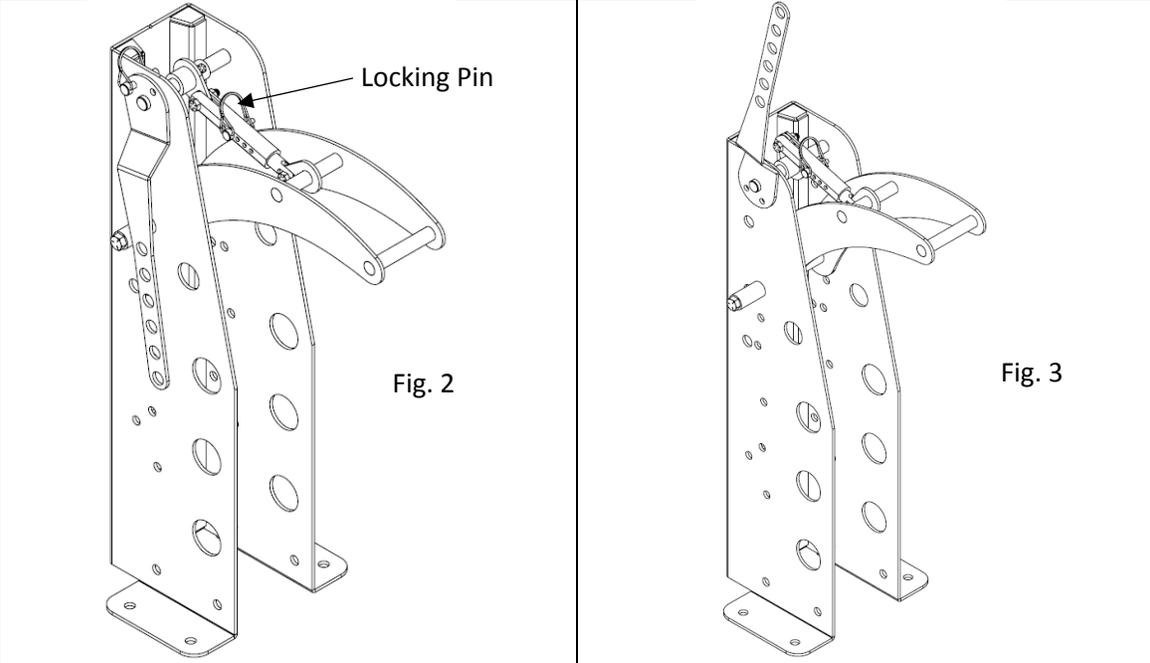
- The 808DS dirt bike rack was designed to fit various sizes of dirt bikes and tire widths with one linkage and main frame. Please refer to Table 4,5 (pg. 7,8) for your specific tire size.
- Confirm that the ¼” locking pin is through a hole in both the outer and inner linkage rods.
- To load a motorcycle, first ensure handle is in the up position (Fig.3, pg. 7), align front dirt bike tire to be centered in rack, and simply push the dirt bike forward until front tire contacts the front of the rack. While stabilizing dirt bike with one hand, push the handle down until the Atrax cams over and handle contacts the handle stop.
- **Note:** Tire should compress slightly. If tire does not compress, move ¼” locking pin until linkage is long enough to slightly compress tire. Likewise, move the locking pin to shorten the linkage if you are unable to move handle into the locked down position.
- For additional safety, insert 3/8” locking pin into handle lock to prevent arm from unlocking (Fig. 2, pg. 7). A padlock can be substituted for the locking pin to provide added security against theft.

## Maintenance

**⚠Warning:** Damaged products can fail, causing personal injury. Do not use a damaged product. If abnormal noise or vibration occurs, have the problem corrected before further use.

- Before each use, inspect the general condition of the product. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, and any other condition that may affect its safe operation.
- 808DS recommends cleaning the dirt bike rack by hand with a washcloth with mild detergent and water. Use of high-pressure washers may strip off paint and decals.

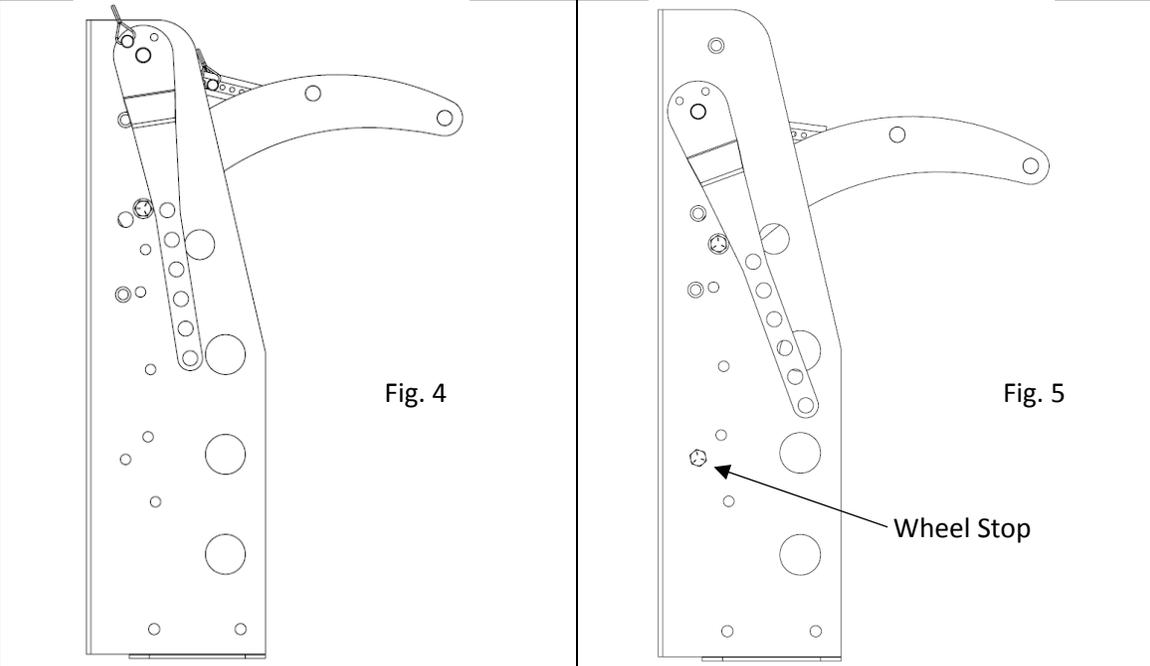
**Table 3 - Handle Positions**



Handle in the locked position. Dirt bike is secured for transport.

Handle in open position. Dirt bike is NOT secured for transport.

**Table 4 - Standard Atrax Hole Locations – 23” to 28” Tires**

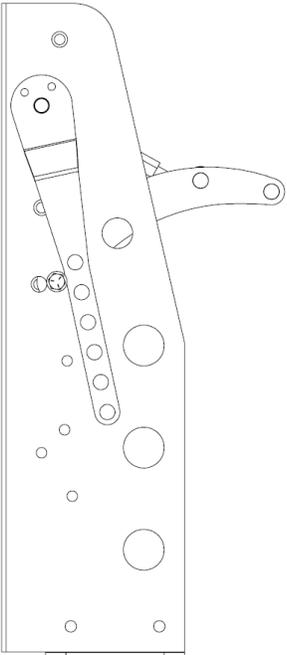
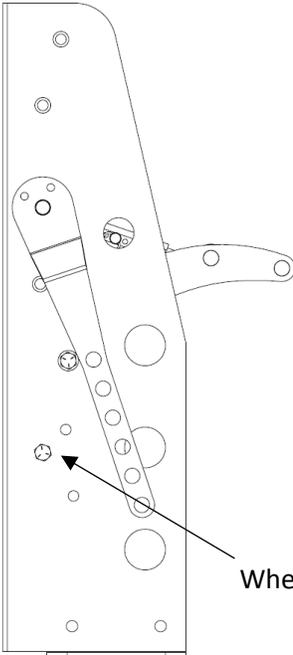
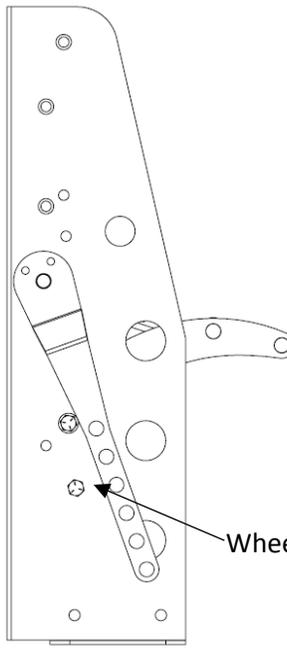


80-100-21  
90-90-21  
90-100-21  
2.75-21

100-90-19  
110-90-19  
110-80-19  
70-100-21

70-100-19  
120-70-17

**Table 5 - Small Atrax Hole Locations – 15” to 23” Diameter Tires**

 <p style="text-align: right;">Fig. 6</p>	 <p style="text-align: right;">Fig. 7</p> <p style="text-align: right;">Wheel Stop</p>
<p>70-100-17</p>	<p>60-100-14                      2.4-14 70-100-14                      2.5-16</p>
 <p style="text-align: right;">Fig. 8</p> <p style="text-align: right;">Wheel Stop</p>	<p><b>Assembly Instructions</b> (watch video online at <a href="http://www.808DS.com">www.808DS.com</a>) You will need a 7/16” and 3/4” wrench for disassembly/assembly of the rack to change tire sizes. To allow the bike to fit a different size of tire, simply remove the atrax and handle by removing the 1/2”-12 nylon locking nuts. Remove the 1/4”-20 bolt holding the upper clevis to allow handle shaft to be removed. Insert handle shaft in hole specific for desired tire size and upper clevis. Reinstall 1/4”-20 bolt in upper clevis and handle. Insert Atrax bolt in specified hole. Retighten all nuts.</p> <p><b>Note:</b> Install 1/2” wheel stop bolt if called out on diagram. Failing to use wheel stop bolt will result in poor fitment between tire and rack.</p>
<p>60-100-12                      60-100-10 2.5-12                              2.75-10     2.5-10</p>	<p><b>Note:</b> If for some reason your tire size is not listed, feel free to call 808DS at (888) 405-2817 or visit us on our website <a href="http://www.808DS.com">www.808DS.com</a> if you have any questions.</p>

## Limited 60-Day Warranty

808DS-LLC makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 60 days from the date of purchase. This warranty does not apply to damage due directly or indirectly to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special, or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

### **Return/Warranty Information:**

Before returning an 808DS Dirt Bike Rack for any reason, you must have a return authorization number. Please call (888) 405-2817 to obtain your authorization number.



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