



# YSIDE MOUNT UTILITY TRUCK RACK

## Owner's Manual



**⚠ WARNING:** Read carefully and understand all ASSEMBLY AND OPERATION INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

**Item # 48113**

Thank you very much for choosing an Iron ton product!

For future reference, please complete the owner's record below:

Serial Number/Lot/Date Code: \_\_\_\_\_

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

Save the receipt, warranty, and this manual. It is important that you read the entire manual to become familiar with this product before you begin using it.

This Y Side Mount Utility Truck Rack is designed for certain applications only. The distributor cannot be responsible for issues arising from modification or use of this product in an application for which it was not designed. We strongly recommend that this product not be modified and/or used for any application other than that for which it was designed. If you have questions about a particular modification or application, DO NOT use the product until you have first contacted the distributor to determine if the product can or should be modified or used in such an application.

For technical questions, please call **1-800-222-5381**.

## Table of Contents

Intended Use.....	4
Technical Specifications .....	4
Important Safety Considerations .....	5
Safety Labels .....	6
Assembly .....	7
Parts Diagram .....	10
Parts List .....	10
Hardware List .....	11
Replacement Parts .....	12
Limited Warranty .....	12

## Intended Use

This unique truck rack transports anything from construction materials and ladders to kayaks and more!

## Technical Specifications

Property	Specification
Width	Adjustable 19-32in.
Height	51.2in.
Maximum Weight Capacity	250 lbs.

## **⚠ WARNING**

- Read and understand all instructions. Failure to follow all instructions may result in serious injury.
- The warnings, cautions, and instructions in this manual cannot cover all possible conditions or situations that could occur. Exercise common sense and caution when using this tool. Always be aware of the environment and ensure that the tool is used in a safe and responsible manner.
- DO NOT allow persons to operate or assemble this product until they have read this manual and have developed a thorough understanding of how the product works.

**SAVE THESE INSTRUCTIONS**

## Important Safety Considerations

- **DO NOT** modify the product in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the product. There are specific applications for which the product was designed.
- **Use the right tool for the job.** **DO NOT** attempt to force a small equipment to do the work of larger industrial equipment. There are certain applications for which this equipment was designed. It will do the job better and more safely at the capacity for which it was intended. **DO NOT** use this equipment for a purpose for which it was not intended.
- **Industrial or commercial applications must follow OSHA requirements.**

### **⚠ WARNING**

#### **WORK AREA SAFETY**

- Inspect the work area before installation. Keep work area clean, dry, free of clutter, and well lit. Cluttered, wet, or dark work areas can result in injury. Installing the truck rack in confined work areas may put you dangerously close to other cutting tools and rotating parts.
- Do not allow the rack to come into contact with an electrical source. The rack is not insulated and contact will cause electrical shock.
- Keep children and bystanders away from the work area while installing the truck rack.
- Be aware of all power lines, electrical circuits, water pipes, and other mechanical hazards in your work area. Some of these hazards may be below the work surface hidden from your view and may cause personal harm or property damage if unintentionally contacted.

#### **PERSONAL SAFETY**

- Stay alert, watch what you are doing, and use common sense when installing the truck rack, loading and unloading. Do not load the rack while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention may result in serious personal injury.
- Use safety apparel and equipment when necessary. Use ANSI-approved safety goggles or safety glasses with side shields, or when needed, a face shield. Use a dust mask in dusty work conditions. Also use non-skid safety shoes, hardhat, gloves, dust collection systems, and hearing protection when appropriate. This applies to all persons in the work area.
- Do not overreach when loading and unloading. Keep proper footing and balance at all times.

#### **OPERATION SAFETY**

- Carrying any load can be hazardous. All loads must be tied down securely to the rack to prevent them from vibrating or sliding forward, backward, laterally or being blown off or broken by unexpected wind or road hazards such as potholes.
- Check each time you install the rack, load the rack, as well as daily to ensure that all connections are tight. Periodically check welds for cracking caused by metal fatigue.
- Avoid roll over by ensuring that loads are not top-heavy. High loads must be transported with **GREAT CAUTION** to prevent loads from striking low overhead objects or tipping during turns, abrupt stops, or high winds.

## ⚠ CAUTION

### RACK USE AND CARE

- Do not over fill the rack. Racks do a better and safer job when used in the manner for which they are designed. Plan your work, and do not overload.
- Check for damaged parts before each use. Carefully check that the rack will operate properly and perform its intended function. Replace damaged or worn parts immediately. Never load the rack with a damaged part.
- Do not let children play with or around the rack. It is not a toy. Store it in a dry, secure place out of the reach of children. Inspect the rack for good working condition prior to storage and before re-use.
- Use only accessories that are recommended by the manufacturer for use with your rack. Accessories that may be suitable for one rack may create a risk of injury when used with another rack. Be aware of the different loading capacities of each accessory.
- Inspect the rack and accessories for damage or excessive wear before each use. If you find damage do not use the rack.

## Safety Labels

## ⚠ WARNING

### **RATED CAPACITY 250 lbs. DO NOT OVERLOAD!**

1. Follow DOT regulations regarding installation and use. Do not use if rack impedes your view or driving ability.
2. For installation, loading and unloading: Park truck on a flat, level, hard surface well away from traffic. Place transmission in park/neutral and set parking brake.
3. Do not load or drive with rack attached to vehicle if not fully installed per the manufacturer provided instructions.
4. Inspect work area for hazards before installing.
5. Verify that installation surface has no hidden wires before drilling or driving screws.
6. Install only according to instructions. Improper installation may cause damage to persons or property.
7. Wear ANSI-approved safety goggles and heavy-duty work gloves during assembly and installation.
8. Keep children and bystanders out of the area during installation.
9. Do not install, load or unload when tired or when under the influence of drugs or medication.
10. Weight capacity and other product capabilities apply to properly and completely installed product only.
11. Do not let children use or play with rack.
12. Ensure all loads are properly fastened before driving.
13. Inspect before each use. If you suspect that any part is damaged or defective, remove rack from vehicle before driving.

## Assembly

**Note:** A Wrench and an Allen Wrench (not included) are tools required for installation, along with cordless or electric drill with a 7/16" drill bit.



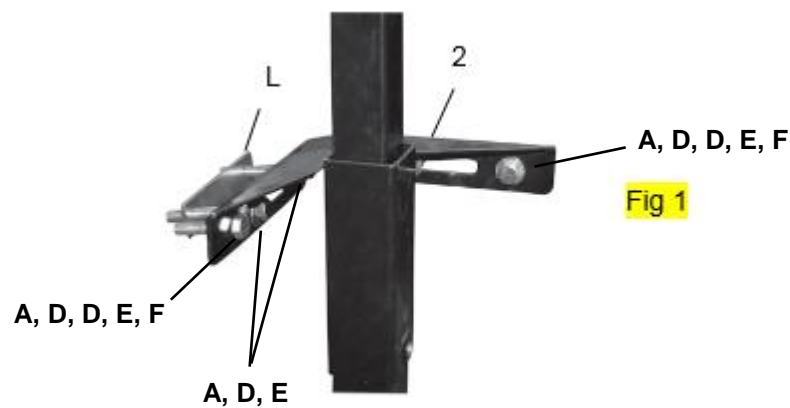
## ⚠ WARNING

Do not exceed 250 lb. weight capacity, distributed evenly across both frames. Be aware of dynamic loading! Load movement could cause excess load, causing product failure. Strap ladder securely to rack. When expanding the Arm, leave approximately 2.5" of the tube in the frame.

### Step 1 - Refer to Fig. 1

Choose the left or right side of the truck bed on which to mount the Multi-Use Truck Rack. The Front Upright Support Bracket (2) will be bolted to the front bulkhead with one bolt on each side of the upright section and one bolt in the side stake pocket of the truck bed. The height of the Front Upright Support Bracket should allow the Backing Plate (L) to be drawn tightly against the flat surface of the sheet metal of the bulkhead of the truck.

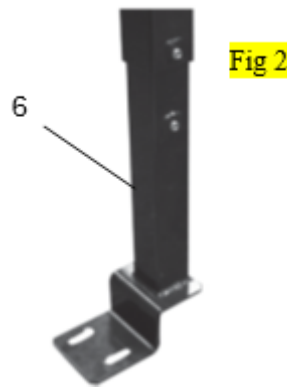
Make sure that the Backing Plate (L) is level and mark the drill holes through the two holes of the Backing Plate (L). Drill ONLY two 7/16" holes in the front bulkhead and ensure that those two holes align with the holes in the Backing Plate. Drill one hole near the center of the stake pocket.



### Step 2- Refer to Fig. 2

Insert the Upright Support (6) into the top of the Front Upright Support Bracket. Set them into position in the truck bed. If there are ribs on the floor of the truck bed, ensure that the foot of the Upright Support is set securely on a rib. It may be necessary to reinsert the Upright Support into the Front Upright Support Bracket in 90 degree increments to find a secure position. Make sure that there are no obstructions underneath the foot plate.

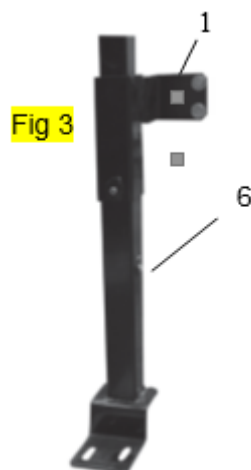
With the Upright Support inserted, attach the Front Upright Support Bracket (2) to the front of the truck bed using three 3/8" Hex Bolts (A), three 3/8" Flat Washers (D), and one Backing Plate (L). Position the foot so that the Upright Support is plumb. Mark the two drill holes in the truck bed through the two holes of the foot and drill two 7/16" holes. Attach the foot of the Upright Support to the truck bed using two 3/8" Hex Bolts (A), two 3/8" Flat Washers (D), two 3/8" Lock Washers (E), and two 3/8" Hex Nuts (F).



### Step 3- Refer to Fig. 3

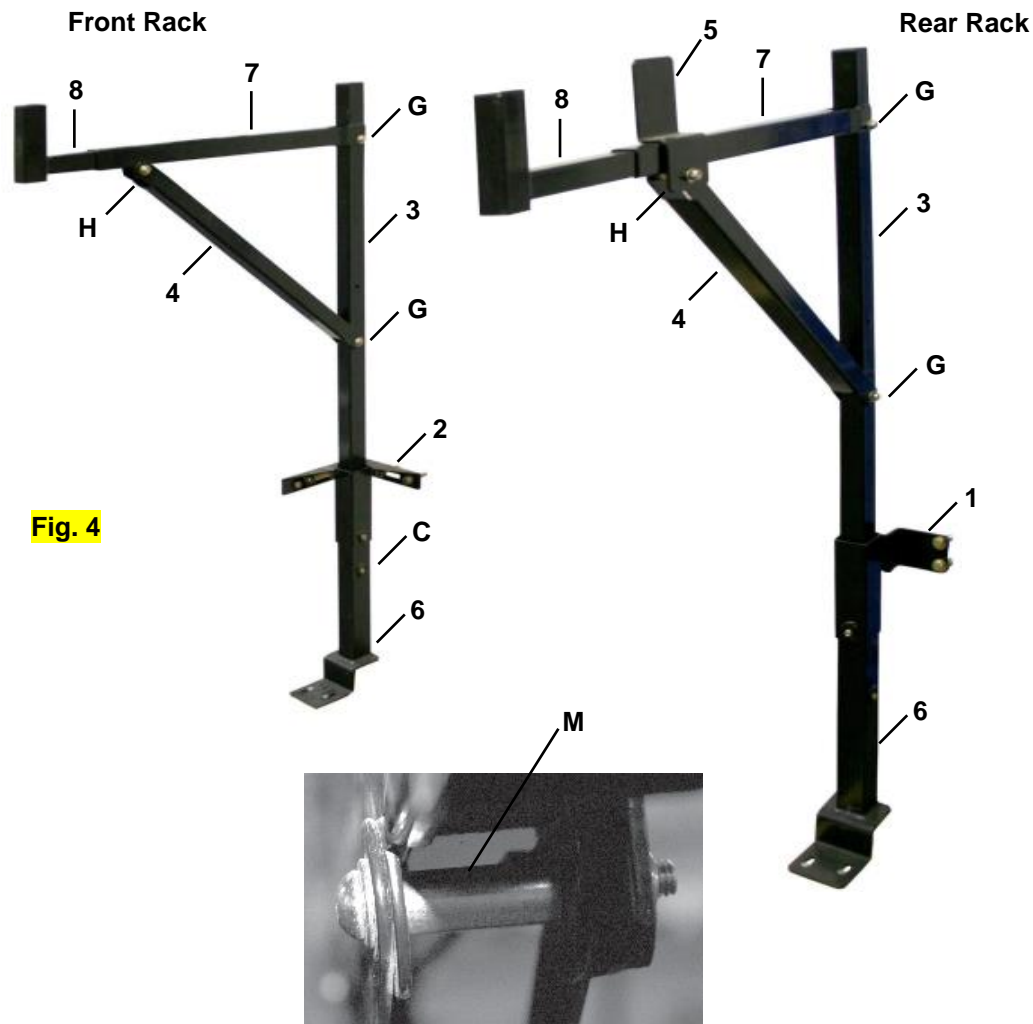
The Rear Upright Support Bracket (1) will be bolted to the vertical inside or forward face of the inner bed wall around the rear stake pocket. With the second Upright Support (6) inserted into the Rear Upright Support Bracket (1) and set plumb into the truck bed with secure footing, position the Rear Upright Support Bracket so that the flange holes are near the center of the stake pocket as high as possible to allow the ends of the bolts and nuts to be accessible. Mark the two drill holes on the inner bed wall at the stake pocket through the two 7/16" holes of the bracket flange and drill the holes.

With the Upright Support inserted, attach the Rear Upright Support Bracket using 2 bolts (A), 2 washers (D), 2 lock washers (E), and 2 nuts (F). With the foot of the Upright Support (6) plumb, mark and drill two 7/16" holes in the truck bed. Attach the foot to the truck bed using two 3/8" Hex Bolts (A), two 3/8" Flat Washers (D), two 3/8" Lock Washers (E), and two 3/8" Hex Nuts (F).



**Step 4- Refer to Fig. 4**

1. Assemble the upper arm using 5/16" Button Head Bolts (G), 5/16" Flat Washers (K) and 5/16" Lock Nuts (J). Use a 5/16" Button Head Bolt (H) to attach the Ladder Stop (5) with the Spacer (M) in the gap of the Horizontal Cross Arm (7). Insert the Adjustable Arm (8) into the Horizontal Cross Arm (7) and adjust to the desired width. **Secure it using M8 x 65 Button Head Bolt (H).** Insert the Uprights (3) into the Upright Supports (6). Secure using set screws (c).

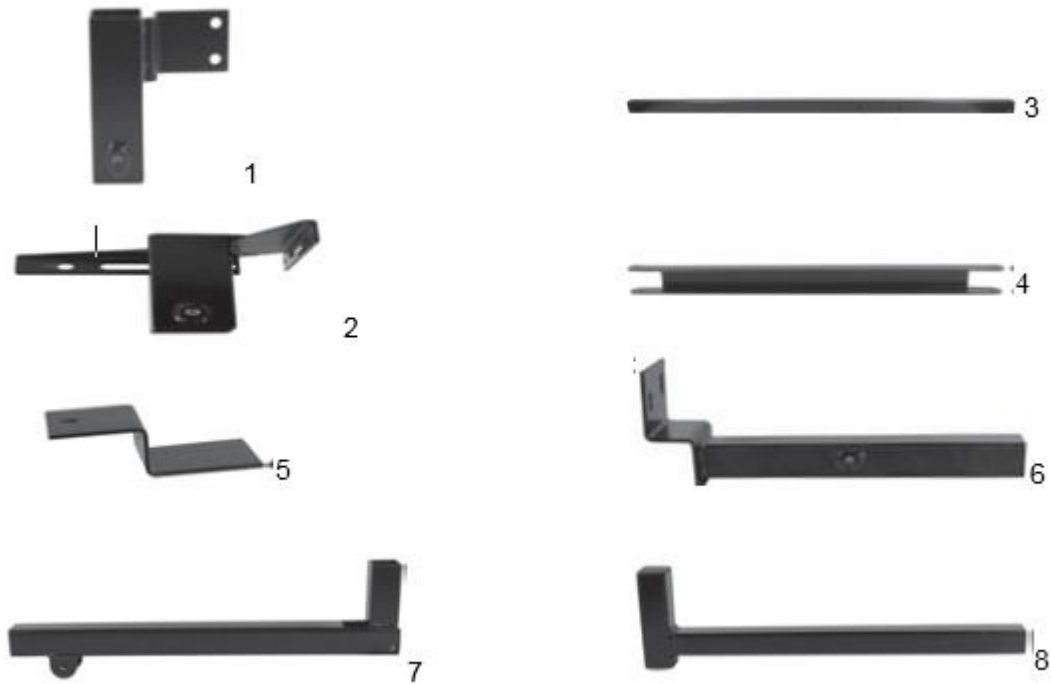


**Fig. 4**

**Step 5**

Tighten all hardware.












## Parts Diagram



## Parts List

Item#	Description	Quantity
1	Rear Upright Support Bracket	1
2	Front Upright Support Bracket	1
3	Upright	2
4	Vertical Support Arm	2
5	Ladder Stop	1
6	Upright Support	2
7	Horizontal Cross Arm	2
8	Adjustable Arm	2

## Hardware List

Bolt#	Description	Pic	Quantity
A	Hex Bolt: M10 x45		10
C	Allen Head Set Screw: M10 x 15		4
D	Flat Washer: M10		18
E	Lock Washer: M10		10
F	Hex Nut: M10		8
G	Button Head Bolt: M8 x 60		4
H	Button Head Bolt: M8 x 65		2
J	Lock Nut: M8		6
K	Flat Washer: M 8		12
L	Backing Plate		1
M	Spacer		2

## Replacement Parts

- For replacement parts and technical questions, please call Customer Service at **1-800-222-5381**.
- Not all product components are available for replacement. The illustrations provided are a convenient reference to the location and position of parts in the assembly sequence.
- When ordering parts, the following will be required: Model Number, Serial Number/Lot Date Code, and Description.
- The distributor reserves the rights to make design changes and or improvements to product lines and manuals without notice.

## Limited Warranty

### Limited Warranty

Northern Tool and Equipment Company, Inc. ("We" or "Us") warrants to the original purchaser only ("You" or "Your") that the Ironton product purchased will be free from material defects in both materials and workmanship, normal wear and tear excepted, for a period of six months from date of purchase. The foregoing warranty is valid only if the installation and use of the product is strictly in accordance with product instructions. There are no other warranties, express or implied, including the warranty of merchantability or fitness for a particular purpose. If the product does not comply with this limited warranty, Your sole and exclusive remedy is that We will, at our sole option and within a commercially reasonable time, either replace the product without charge to You or refund the purchase price (less shipping). This limited warranty is not transferable.

### Limitations on the Warranty

This limited warranty does not cover: (a) normal wear and tear; (b) damage through abuse, neglect, misuse, or as a result of any accident or in any other manner; (c) damage from misapplication, overloading, or improper installation; (d) improper maintenance and repair; and (e) product alteration in any manner by anyone other than Us, with the sole exception of alterations made pursuant to product instructions and in a workmanlike manner.

### Obligations of Purchaser

You must retain Your product purchase receipt to verify date of purchase and that You are the original purchaser. To make a warranty claim, contact Us at 1-800-222-5381, identify the product by make and model number, and follow the claim instructions that will be provided. The product and the purchase receipt must be provided to Us in order to process Your warranty claim. Any returned product that is replaced or refunded by Us becomes our property. You will be responsible for return shipping costs or costs related to Your return visit to a retail store.

### Remedy Limits

Product replacement or a refund of the purchase price is Your sole remedy under this limited warranty or any other warranty related to the product. We shall not be liable for: service or labor charges or damage to Your property incurred in removing or replacing the product; any damages, including, without limitation, damages to tangible personal property or personal injury, related to Your improper use, installation, or maintenance of the product; or any indirect, incidental or consequential damages of any kind for any reason.

### Assumption of Risk

You acknowledge and agree that any use of the product for any purpose other than the specified use(s) stated in the product instructions is at Your own risk.

### Governing Law

This limited warranty gives You specific legal rights, and You also may have other rights which vary from state to state. Some states do not allow limitations or exclusions on implied warranties or incidental or consequential damages, so the above limitations may not apply to You. This limited warranty is governed by the laws of the State of Minnesota, without regard to rules pertaining to conflicts of law. The state courts located in Dakota County, Minnesota shall have exclusive jurisdiction for any disputes relating to this warranty.



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