



# 1500-LB. HIGH POSITION HOIST STAND

## 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# 46207**

Thank you very much for choosing a Strongway product! For future reference, please complete the owner's record below:

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

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

This machine is designed for certain applications only. The distributor cannot be responsible for issues arising from modification. We strongly recommend this machine not be modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the machine until you have first contacted the distributor to determine if it can or should be performed on the product.

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

## INTENDED USE

This product is designed as a means of partial support for, and the positioning of, vehicle components during their installation/removal, but not for use in stabilizing or supporting vehicles. For use ONLY under a properly secured automotive lift.

## TECHNICAL SPECIFICATIONS

	<b>Description</b>
<b>Item</b>	<b>46207</b>
Maximum Capacity	1,500 lbs.
Minimum Lift Height	53-1/8 in
Maximum Lift Height	80-3/4 in
Product Base Size	12in. x 12 in.
Weight	42 lbs.

Safe Operating Temperature is between 40°F – 105°F (4°C - 41°C)

## GENERAL SAFETY RULES



**WARNING:** Read and understand all instructions. Failure to follow all instructions listed below may result in serious injury.



**CAUTION:** Do not allow persons to operate or assemble this jack stand until they have read this manual and have developed a thorough understanding of how the jack stand works.




**WARNING:** The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

## SAVE THESE INSTRUCTIONS

# IMPORTANT SAFETY CONSIDERATIONS

## JACK STAND USE AND CARE

- **Do not modify the jack stand in any way.** Unauthorized modification may impair the function and/or safety and could affect the life of the equipment. There are specific applications for which the **jack stand** was designed.
- **Always check of damaged or worn out parts before using the jack stand** Broken parts will affect the **jack stand** operation. Replace or repair damaged or worn parts immediately.
- **Store idle jack stand** when **jack stand** is not in use, store it in a secure place out of the reach of children. Inspect it for good working condition prior to storage and before re-use.
-  **WARNING! NEVER** use automotive jack stands to support both ends, or one side of a vehicle! Use only 1 pair per vehicle. Rated capacity is per pair only!

### **WARNING!**

1. Study, understand, and follow all instructions before operating this device.
2. Do not exceed rated capacity.
3. Use only on hard, level surfaces.
4. Adequately support the vehicle before starting repairs.
5. Do not use to support or stabilize vehicle.
6. Center load on saddle.
7. This stand is intended to provide partial support of vehicle components during removal and installation.
8. No alterations shall be made to this product.
9. Support only on areas of the vehicle as specified by the vehicle manufacturer.
10. Only attachments and/or adapters supplied by the manufacturer shall be used.
11. Do not use jack stands for any use other than the manufacturer specified usage.
12. Do not use if damaged in any way.
13. Failure to heed these markings may result in personal injury and/or property damage.

# GENERAL SAFETY INSTRUCTIONS

## \* **Position the Auxiliary Stand**

Position the jack stand to only support on the areas of the vehicle as specified by the vehicle manufacturer.

## \* **Always Support Load**

After lifting the vehicle always support the load with appropriately before working on the vehicle.

## \* **Do Not Overload**

Do not overload this equipment beyond its rated capacity. Overloading this equipment beyond its rated capacity can cause damage to or failure.

## \* **Always Use on Hard Level Surfaces**

This product is designed only for use on hard level surfaces capable of sustaining the load. Use on unstable or other possible loss of load.

## \* **Center Load on Jack Saddle**

Center load on saddle before lifting vehicle working on vehicle.

Off-center loads and loads lifted when the Auxiliary Stand is not level can cause loss of load or damage to the jack stand.

## \* **Do not raise or lower the vehicle unless tools, materials and people are clear.**

When the lift is being lowered, make sure everyone is standing at least six feet away. Be sure there are no tools or equipment left under or around before lowering.

## \* **Always lower slowly.**

## \* **Wear ANSI-approved safety glasses and heavy duty work gloves during use.**

## \* **Do not move or dolly vehicle while jack stand is in use.**

\* **Stay alert. Use caution and common sense when operating auxiliary stand.** Do not use jack stand when tired, incoherent, dizzy, under the use or drugs or alcohol.

### **Training**

-Read this manual before use. Do not allow anyone who has not read this manual, and/or does not understand the requirements, use the equipment.

### **Spectators**

-Do not allow bystanders around an Auxiliary Stand or under the load supported only by the Auxiliary Stand. Do not allow anyone in the vehicle while the Auxiliary Stand is in use. Keep all bystanders away from vehicle when in use.

### **Inspection**

-Inspect the Auxiliary Stand carefully before each use. Ensure the Auxiliary Stand is not damaged, excessively worn, or missing parts.

-Do not use the Auxiliary Stand unless it is properly functioning.

-Using an Auxiliary Stand that is not in good clean working condition or properly lubricated may cause serious injury.

**Do not modify** the in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the equipment. There are specific applications for which the equipment was designed.

**Always check for damaged or worn** out parts before using. Broken parts will affect the equipment operation. Replace or repair damaged or worn parts immediately.

When jack is not in use, store it in a secure place out of the reach of children. Inspect it for good working condition prior to storage and before re-use.

**DO NOT USE wood blocks or any other non-approved load sustaining devices.**

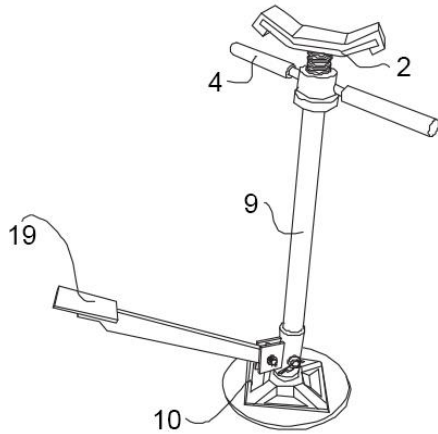
**DO NOT USE wood blocks or any other non-approved means of lifting with the Auxiliary Stand and or load being raised.**

# ASSEMBLY

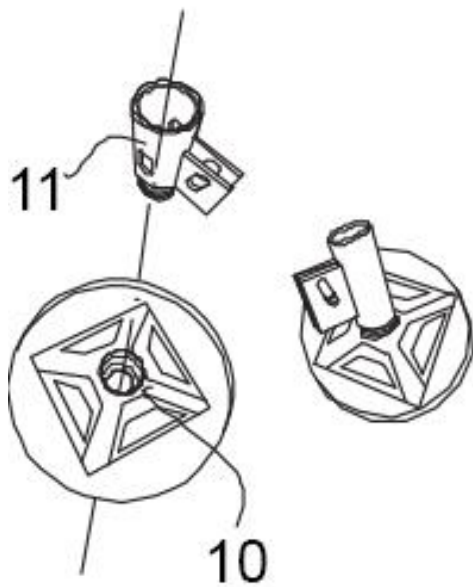
Use the exploded drawing as your guide to assemble, Lay all parts and assemblies out in front of you before beginning. The following procedure is recommended:

All numbers in parenthesis () refer to the index number from the parts breakdown.

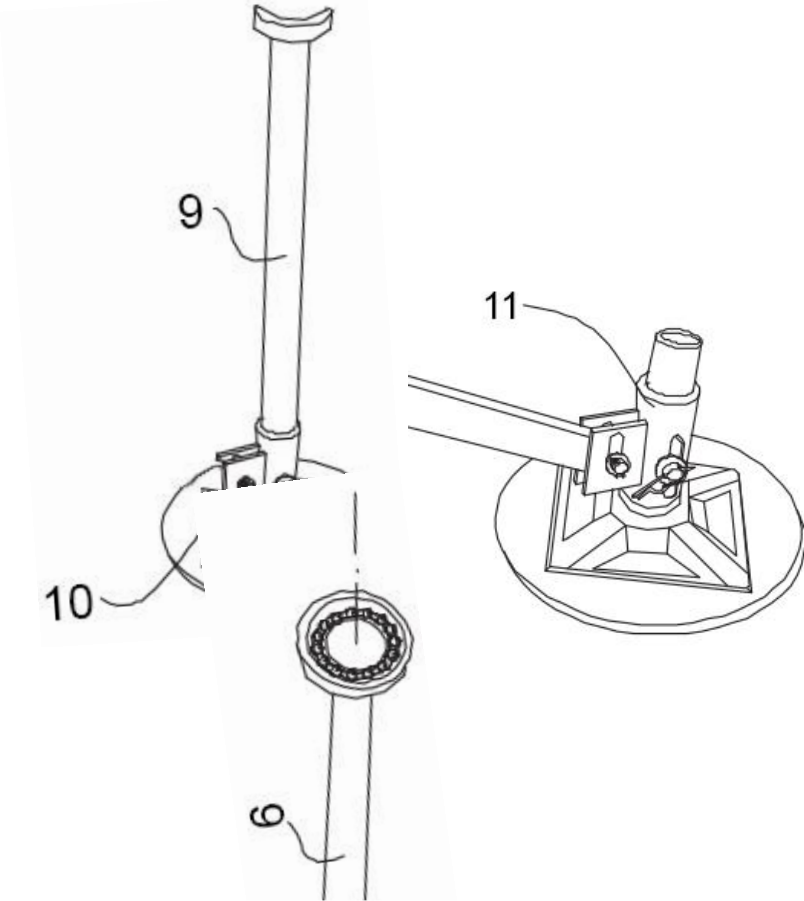
1. Familiarize yourself with the Jack Stand.



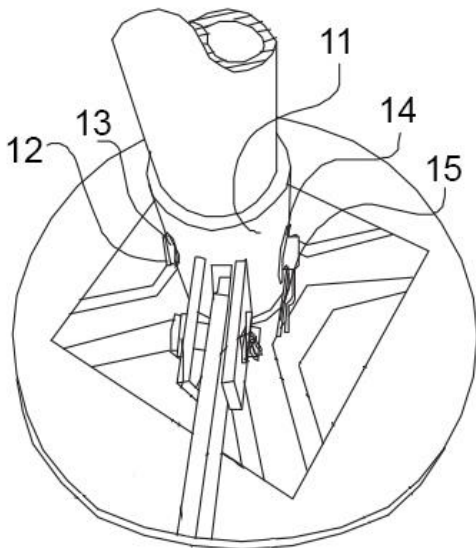
2. Attach (11) pillar base to (10) stand base. Check that both parts are secure to each other.



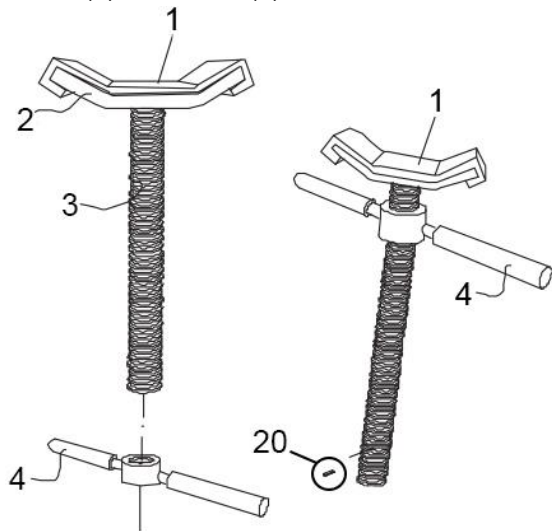
3. Attach (9) upright to (11) pillar base.



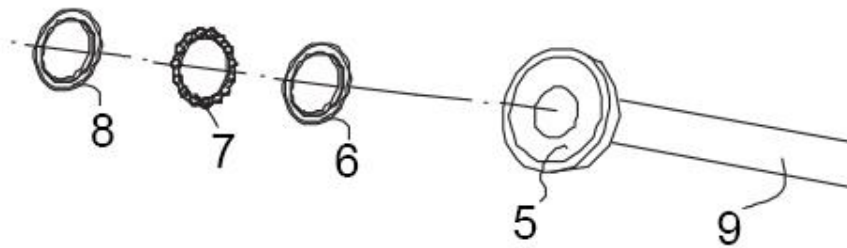
4. Use hardware include to attach upright to pillar base. Place (13) washer M16, then insert (12) pillar roll pin M16x60 through holes on the pillar base. Secure roll pin with (14) washer M16 and (15) spring clip.



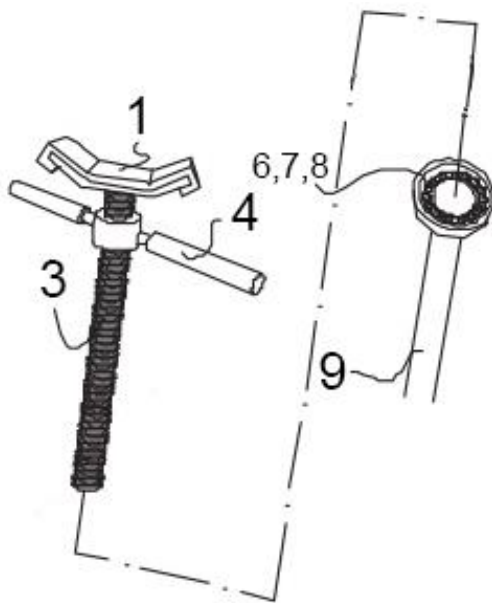
5. Attach (2) handle to (3) threaded rod. Then attach (20) roll pin M4x25 to (3) threaded rod.



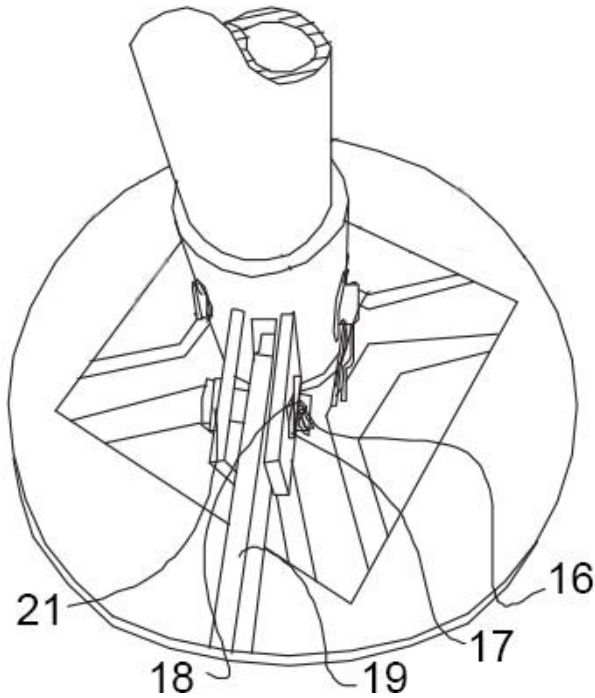
6. With the upright in the standing position insert (6) lower bearing base, (7) ball bearing assembly and (8) upper bearing base onto (5) upright bearing seat.



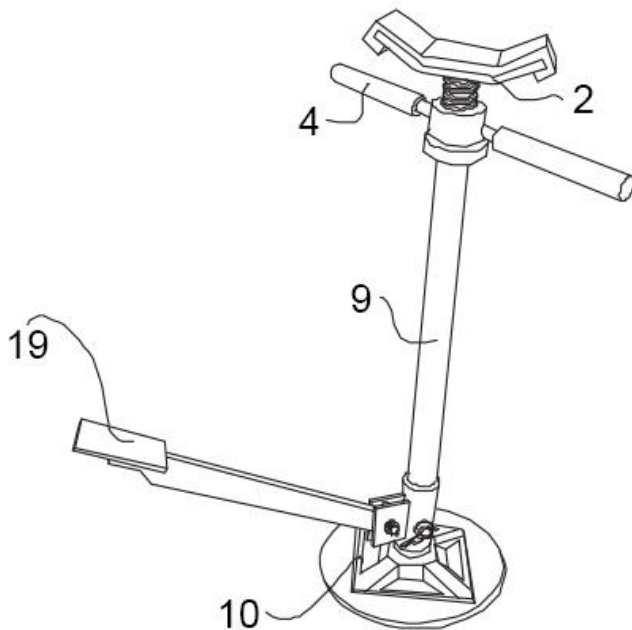
7. Attach (1,3,4) threaded rod column assembly on (6,7,8) bearings and slide shaft inside (9) upright. Use caution when installing and lowering threaded rod column assembly.



- Insert (19) foot pedal into slot between (11) pillar base weldment. Use hardware include to attach upright to pillar base. Place (21) washer M12 on (16) pin M12, then Insert (16) foot pedal pin M12x35 through (11) pillar base weldment hole slot. Secure (16) foot pedal pin with (17) washer M12 and (18) spring clip.



- Check that all hardware is secure and tight.



- Auxiliary Stand is now ready for use.

## **OPERATING INSTRUCTIONS**

### **RAISING THE JACK STAND**

1. Adjust height by rotating the handle **CLOCKWISE**.
2. Check to ensure ratchet is secure before loading/un/loading.
3. Carefully position stand so that load is centered on stand's saddle.
4. Raise saddle to vehicle support point vehicle, continue to rotate handle clockwise until load support point is secure. **DO NOT RAISE ANY HIGHER THAN LOAD STABILITY WILL ALLOW.**
5. Check to ensure vehicle is secure before working on, around or under.

### **LOWERING THE JACK STAND**

1. Ensure that all tools, equipment and personnel are clear before lowering load.
2. **DO NOT EVER LOWER STAND UNLESS VEHICLE AND COMPONENTS ARE 100% SUPPORTED SECURELY. DO NOT EVER ASSUME LOAD IS SECURE; CHECK BEFORE LOWERING.**
3. Rotate the handle **COUNTER-CLOCKWISE** to lower the stand clear of support point.
4. Carefully release stopper and allow ratchet to glide down to lowest position.
5. Carefully remove stand, then carefully lower vehicle on car lift.

# MAINTENANCE INSTRUCTIONS

If you use and maintain your equipment properly, it will give you many years of service. Follow the maintenance instructions carefully to keep your equipment in good working condition. Never perform any maintenance on the equipment while it is under a load.

## **Inspection**

You should inspect the product for damage, wear, broken or missing parts (e.g.: pins) and that all components function before each use. Follow lubrication and storage instructions for optimum product performance.

## **Binding**

If the product binds while under a load, use equipment with equal or a larger load capacity to lower the load safely to the ground. After un-binding; clean, lubricate and test that equipment is working properly. Rusty components, dirt, or worn parts can be causes of binding Clean and lubricate the equipment as indicated in the lubrication section. Test the equipment by lifting without a load. If the binding continues contact Customer Service.

## **Cleaning**

If the moving parts of the equipment are obstructed, use cleaning solvent or another good degreaser to clean the equipment. Remove any existing rust, with a penetrating lubricant.

## **Lubrication**

This equipment will not operate safely without proper lubrication. Using the equipment without proper lubrication will result in poor performance and damage to the equipment. Some parts in this equipment are not self-lubricating inspect the equipment before use and lubricate when necessary. After cleaning, lubricate the equipment using light penetrating oil, lubricating spray.

-Use a good lubricant on all moving parts.

-For light duty use lubrication once a month.

-For heavy and constant use lubrication recommended every week.

## **Rust Prevention:**

-Check unit assemblies daily for any signs of rust or corrosion.

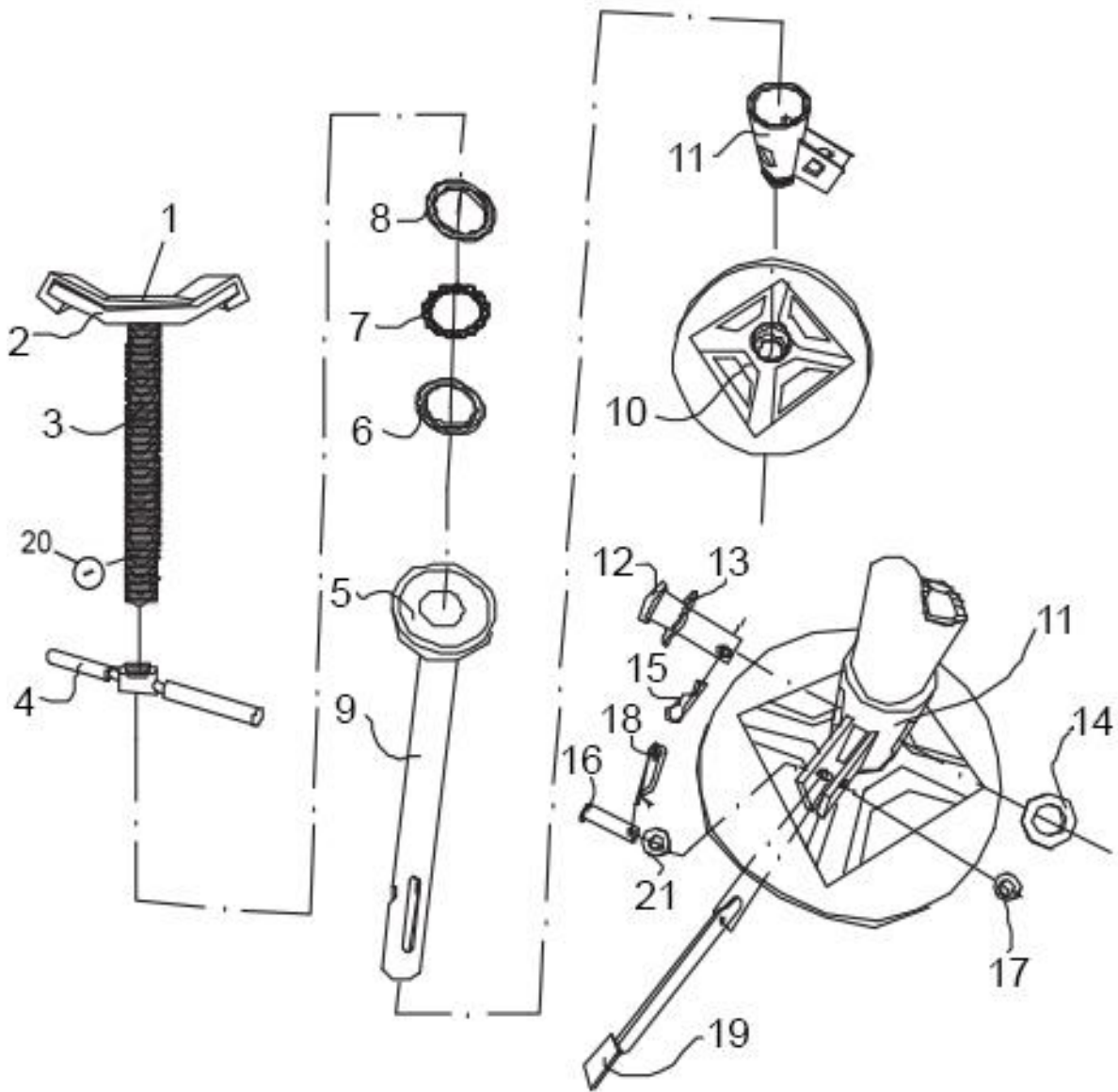
Without a load raise the equipment as high as it goes and inspect support and working joints. If signs of rust are visible clean as needed.

## **Storing the Product**

1. Lower saddle to the lowest resting position.
2. Place in the upright position.
3. Store in a dry location, recommended indoors.

*Note: If the product is stored outdoors, be sure to lubricate all parts before and after use to ensure the product stays in good working condition.*

# ASSEMBLY DIAGRAM



## PARTS LIST

Index #	Description	Item #	Qty
1	Saddle Pad	M7501.0-1	1
2	Saddle	M7501.0-2	1
3	Threaded Rod	M7501.0-3	1
4	Adjusting Handle	M7501.1	1
5	Upright Bearing Seat	Upright Weldment	1
6	Upright Lower Bearings Base	M7501.0-4	1
7	Upright Ball Bearing Assembly	M7501.2	1
8	Upright Upper Bearings Base	M7501.0-5	1
9	Upright	M7501.0-6	1
10	Base	M7501.0-7	1
11	Pillar Base	M7501.0-8	1
12	Pillar PIN M16x60	GB 662	1
13	Pillar Plain Washer M16	GB/T 97.1	1
14	Pillar Plain Washer M16	GB/T 97.1	1
15	Pillar Spring Clip	M7501.0-9	1
16	Foot Pedal Pin M12 X 35	GB 882	1
17	Foot Pedal Plain Washer M12	GB/T 97.1	1
18	Foot Pedal Spring Clip	M7501.0-10	1
19	Foot Pedal	M7501.0-11	1
20	Foot Pedal Roll Pin M4 X 25	GB 879	1
21	Foot Pedal Plain Washer M12	GB/T 97.1	1

Safe Operating Temperature is between 40°F – 105°F (4°C - 41°C)

## REPLACEMENT PARTS

For replacement parts Customer Service at **1-800-222-5381**. Not all equipment components are available for replacement; illustrations provided are a convenient reference of location and position in the assembly sequence. When ordering parts the following will be required: Model Number, Serial Number and Description.

**The distributor reserves the rights to make design changes and or improvements to product lines and manuals without notice.**

For replacement parts and technical questions, please call 1-800-222-5381.

## **Limited Warranty**

### **Limited Warranty**

Northern Tool and Equipment Company, Inc. ("We" or "Us") warrants to the original purchaser only ("You" or "Your") that the Strongway product purchased will be free from material defects in both materials and workmanship, normal wear and tear excepted, for a period of one year 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 trailer 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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