



PLEASE READ THE ENTIRE CONTENTS OF THIS MANUAL PRIOR TO INSTALLATION AND OPERATION. BY PROCEEDING YOU AGREE THAT YOU FULLY UNDERSTAND AND COMPREHEND THE FULL CONTENTS OF THIS MANUAL. FORWARD THIS MANUAL TO ALL OPERATORS. FAILURE TO OPERATE THIS EQUIPMENT AS DIRECTED MAY CAUSE INJURY OR DEATH.

REV C 12-28-15

P/N 5900962

## OPERATION AND ASSEMBLY MANUAL

### HIGH JACK STANDS

Models:

RJS-1T

RJS-1TF

RJS-2TH



#### SHIPPING DAMAGE CLAIMS

When this equipment is shipped, title passes to the purchaser upon receipt from the carrier. Consequently, claims for the material damaged in shipment must be made by the purchaser against the transportation company at the time shipment is received.

#### BE SAFE

Ranger™ High Jack Stands are designed and built with safety in mind. However, proper training and thoughtful operation on the part of the operator can increase your overall safety. DO NOT operate or repair this equipment without reading this manual and the important safety instructions shown inside.



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Failure to follow danger, warning and caution instructions may lead to serious personal injury or death to operator or bystander or damage to property.

Do not operate this equipment until you read and understand all the dangers, warnings and cautions in this manual.

For additional copies  
or further information, contact:  
**BendPak Inc. / Ranger Products**  
**1645 Lemonwood Dr.**  
**Santa Paula, CA 93060**  
**1-805-933-9970**  
**[www.rangerproducts.com](http://www.rangerproducts.com)**

## OPERATOR PROTECTIVE EQUIPMENT



The use of personal protective equipment helps make shop service safer. However, equipment does not take place of safe operating practices. Always wear durable work clothing during tire service activity. Shop aprons or shop coats may also be worn and loose fitting clothing should be avoided. Tight fitting leather gloves are recommended to protect operator's hands when handling worn tires and wheels. Sturdy leather work shoes with steel toes and oil resistant soles should be used by tire service personnel to help prevent injury in typical shop activities. Eye protection is essential during tire service activity. Safety glasses with side shields, goggles or face shields are acceptable. Back belts provide support during lifting activities and are also helpful in providing operator protection. Consideration should also be given to the use of hearing protection if tire and wheel service activity is performed in an enclosed area, or if noise levels are high.



### READ THESE INSTRUCTIONS BEFORE OPERATING



**BEFORE USING THIS DEVICE, READ  
THIS MANUAL COMPLETELY AND  
THOROUGHLY, UNDERSTAND ITS  
OPERATING PROCEDURES, SAFETY  
WARNINGS AND MAINTENANCE  
REQUIREMENTS.**



The use of portable automotive lifting and support devices is subject to certain hazards that cannot be prevented by mechanical means, but only by the exercise of common sense, intelligence and care. It is therefore essential to have owners and also personnel involved in the use and operation of the equipment who are careful, competent, trained and qualified in the safe operation of this equipment and its proper use.

## WARRANTY POLICY

Ranger Products™ are backed by over 35 years of manufacturing experience. Every High Jack Stand bearing the Ranger™ name is sold with the following warranty.

- ◆ Each Ranger Product™ is warranted to be free from defects in workmanship and material for a period of one year from the date of shipment provided that a written claim for such defect is made within that time.
- ◆ This warranty does not cover damage or defects caused by carelessness of the operator, misuse, abuse or abnormal use which in any way impairs the proper functioning of the equipment or by the use or addition of parts not manufactured by Ranger Products™ or its suppliers.

THIS WARRANTY IS EXPRESSLY MADE IN LIEU OF ANY AND ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

If your Ranger Products™ machine is not functioning properly, call your Ranger Products™ dealer immediately. On some occasions, an independent contractor may be hired to do the repairs. Within the warranty period, a customer should not hire his own contractor unless it is authorized in writing by Ranger Products™.

If it is necessary to return equipment for repairs, your dealer will so advise you. When returning equipment for repairs, see that machines are properly crated and protected, and prepay transportation.

Defective parts replaced at no charge must be returned to your dealer or Ranger Products™ within 60 days of the date that the replacement parts are shipped; otherwise, you must pay for the replacement parts at the current selling price. For more information about our warranty, visit: [www.rangerproducts.com](http://www.rangerproducts.com)

## LIMITED RETURNS / EXCHANGE POLICY

BendPak / Ranger prides itself on a tradition of outstanding customer care and support. Our devoted team of account representatives understands that our customers are the hallmark of our enduring partnerships.

Our limited return and exchange policy allows you to return defective or incorrect merchandise for a full or partial credit of your order. All returned merchandise requires authorization. Contact our service representatives first for shipping instructions and to obtain a return authorization number. Credit will not be issued unless authorization to return merchandise has been received.

For all merchandise returned to BendPak / Ranger for reasons other than warranty, a 20% restocking fee and round-trip shipping costs will be deducted from

the credit refund. All returned items must be in their original box or crating and must include all packing material, manuals and all accessories. At our discretion, a restocking fee may be charged if your product is opened or is not returned in its original condition, box, or is missing packing material, manuals, or any accessories.

## NO RETURNS, CREDITS OR EXCHANGES FOR:

- ◆ Returned items that failed due to an accident, purchaser's abuse, neglect or failure to operate in accordance with instructions provided in the owner's manual(s) supplied.
- ◆ Returned items that failed due to incorrect voltage or improper wiring.
- ◆ Returned items that failed due to rain, excessive humidity, corrosive environments or other contaminants.
- ◆ Any item damaged in shipment or any product failure caused by installing or operating product under conditions not in accordance with installation and operation guidelines or damaged by contact with tools or surroundings.
- ◆ Returned items with cosmetic defects that do not interfere with product functionality.
- ◆ Returned items with no accompanying RMA number and completed RMA form.
- ◆ Returned items that are incomplete or defaced.
- ◆ Any consumable or standard wear items.
- ◆ Returned items with a different serial number from what was authorized for return.
- ◆ Returned items that do not include your original receipt, invoice or sales order.
- ◆ Returned items that were special ordered or custom configured.
- ◆ Freight damaged items. If your shipment arrives damaged you must note the damage on the carrier's delivery record in accordance with the carrier's policy, save the merchandise in the original box and packing it arrived in, and arrange for a carrier inspection of damaged merchandise.

## For Parts Or Service Contact:

BendPak Inc. / Ranger Products  
1645 Lemonwood Dr.  
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Tel: 1-805-933-9970  
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## IMPORTANT SAFETY TIPS



**ALWAYS MAINTAIN A CLEAN WORK AREA.  
KEEP VISITORS AND ESPECIALLY  
CHILDREN AWAY FROM WORK AREA.**

**THIS HIGH JACK STAND IS TO BE OPERATED BY  
PROPERLY TRAINED PERSONNEL ONLY.  
OPERATION BY UNTRAINED PERSONNEL MAY  
RESULT IN INJURY AND /OR PROPERTY DAMAGE.**



**THIS OPERATING MANUAL CONTAINS  
IMPORTANT DETAILS CONCERNING THE SAFE  
OPERATION OF THIS HIGH JACK STAND. THE  
USER MUST READ AND UNDERSTAND THESE  
DETAILS BEFORE ANY USE OF THE HIGH JACK  
STAND. THIS MANUAL MUST BE RETAINED FOR  
FUTURE REFERENCE.**

### OWNER/OPERATOR RESPONSIBILITY:

The owner and/or operator shall study the product instructions and retain them for future reference. The owner and/or operator shall have an understanding of the product operating instructions and warnings before operating the high jack stand.

Warning information shall be emphasized and understood. If the operator is not fluent in English, the product instructions and warnings shall be read to and discussed with the operator in the operator's native language by the purchaser/ owner or his designee, making sure that the operator comprehends its contents.

### INSPECTION



Visual inspection should be made before each use of the high jack stand. This inspection should check for abnormal conditions such as cracked welds, damaged, loose or missing parts. Any high jack stand that appears Any high jack stand that appears to be damaged in any way, is found to be worn or operated abnormally, must be removed from service immediately.

Any high jack stand that operates abnormally shall be

removed from service until repaired by a qualified repair service center.

If the high jack stand is accidentally subjected to an abnormal load or shock, it must be taken out of service immediately and be inspected by a qualified repair or service center.

It is recommended that an annual inspection is performed on the high jack stand and that any damaged or worn parts, decals or warning labels be replaced with manufacturer's specified parts.

### ALTERATIONS



Because of potential hazards associated with this type of equipment, no alterations shall be made to the product.

**FOR YOUR SAFETY AND TO PREVENT INJURY:**



**THIS IS A SUPPORT DEVICE ONLY.**

**DO NOT EXCEED RATED CAPACITY. OVERLOADING  
CAN CAUSE DAMAGE TO OR FAILURE OF THE HIGH  
JACK STAND. SUPPORT ONLY ON AREAS OF THE  
VEHICLE AS SPECIFIED BY THE VEHICLE MANU-  
FACTURER.**

**KEEP HANDS AND BODY CLEAR OF ALL PINCH  
POINTS.**

**CENTER LOAD ON SADDLE PRIOR TO  
SUPPORTING. OFF-CENTER LOADS MAY CAUSE  
DAMAGE TO HIGH JACK STAND, LOSS OF LOAD,  
PROPERTY DAMAGE, PERSONAL OR FATAL INJURY.**

**THIS HIGH JACK STAND IS DESIGNED FOR USE  
ONLY ON HARD LEVEL SURFACES CAPABLE OF  
SUSTAINING THE LOAD. USE ON OTHER THAN  
HARD LEVEL SURFACES CAN RESULT IN  
INSTABILITY AND POSSIBLE LOSS OF LOAD.  
NO ALTERATIONS TO THE HIGH JACK STAND  
SHALL BE MADE.**

**READ, STUDY AND UNDERSTAND THE OPERATING  
MANUAL PACKED WITH THIS HIGH JACK STAND  
BEFORE OPERATING.**

**FAILURE TO HEED THESE WARNINGS MAY RESULT  
IN LOSS OF LOAD, DAMAGE TO HIGH JACK STAND,  
AND/OR FAILURE RESULTING IN PROPERTY  
DAMAGE, PERSONAL OR FATAL INJURY.**

## SET UP INSTRUCTIONS

Assembly instructions for models: RJS-1T and RJS-1TF:

1. Screw the post support in the round base.
2. Thread the large spin handle on the extension screw.
3. Install the bearing assembly in the receiver on top of the support tube.
4. Insert the extension screw assembly through the bearing and into the support tube until the underside of the spin handle rests on the bearing assembly.
5. The RJS-1TF includes a pedal. Insert the other end of the pedal through the parallel flanges of the post support; raise the pedal high enough so the clevis pin can be installed through the parallel flanges of the post support. Secure the clevis pin with the washers and cotter pin provided.

To set up the RJS-2TH follow these instructions and refer to parts breakdown on page 7:

1. Attach legs (#12) to connecting plate (#9) using hex bolts (#8), washers (#10) and nuts (#11). Do not tighten the hardware.
2. Attach the small braces (#22) to the positioning plate (#23) using the hex bolts (#8), washers (#10) and nuts (#11). Do not tighten. Attach the other ends of the small braces (#22) to the legs (#12) using the bolts (#15), washers (#14) and nuts (#13). Do not tighten.
3. Attach the middle braces (#24) to the legs (#12) using the bolts (#16) and lock washers provided. Do not tighten.
4. Repeat step 3 but with the long braces (#25). Tighten all hardware mentioned in steps 1 through 4
5. Insert the extension screw (#4) through the bottom opening of the post (#7) and turn the post at a downward angle so the screw extends out the top of the post.
6. Fit the bearing assembly (#6) over the screw (#4) and then thread the adjusting handle (#5) onto the screw (#4).
7. Secure the saddle base (#3) to the top of the screw (#4) with the locking bolt (#17). Secure the saddle pad (#2) to the saddle base (#3) with the four bolts (#1).
8. Insert the entire post assembly through the top of the connecting plate (#9) and the positioning plate (#23). Secure the post assembly to the tripod stand using the pin (#19) and R pin (#18). Insert the pin (#19) through the hole in the connecting plate (#9) and any

corresponding hole in the post (#7). Make sure the pin goes through both sides of the connecting plate (#9) and the post (#7) before securing the pin (#19) with the R pin (#18).

## OPERATING INSTRUCTIONS:



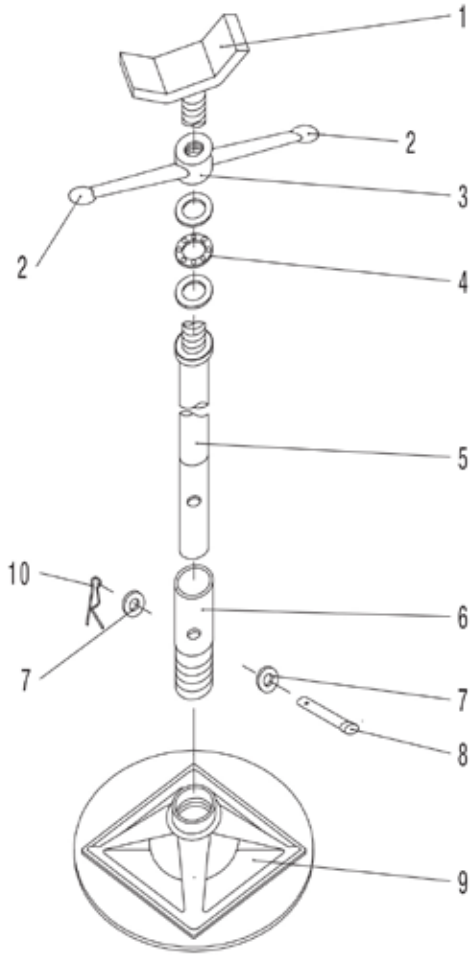
**BEFORE ATTEMPTING TO SUPPORT ANY VEHICLE, CHECK VEHICLE SERVICE MANUAL FOR RECOMMENDED SUPPORT POINTS. DO NOT GO UNDER VEHICLE WHILE LIFTING OR LOWERING THE VEHICLE!**

1. Make sure the vehicle is properly supported, stable and the required work height before positioning the jack stand(s) under the vehicle component to be supported.
2. Consult the vehicle manufacturer for the proper handling of the component and use of under hoist stands.
3. Once the jack stand(s) has been positioned properly under the component, hold the stand's saddle in place with one hand while turning the spin handle in a clockwise direction with the other hand. Remove the one hand from the stand's saddle when it comes close to making contact with the component.
4. Continue turning the stand's spin handle in a clockwise direction until it applies pressure against the component. This pressure should not exceed what is required to support the component. Excessive pressure might cause the vehicle or its component to become unstable. Additional precaution should be taken when using a jack stand equipped with a foot pedal which can raise the stand's saddle another inch more in height and produce as much as 400 pounds of force when depressed.
5. Before removing the jack stand from the component, make sure the component is securely fastened to the vehicle or properly supported by another means. Removal of the stand can be accomplished by turning the spin handle in a counterclockwise direction until the stand's saddle is clear of the component.

## PREVENTIVE MAINTENANCE

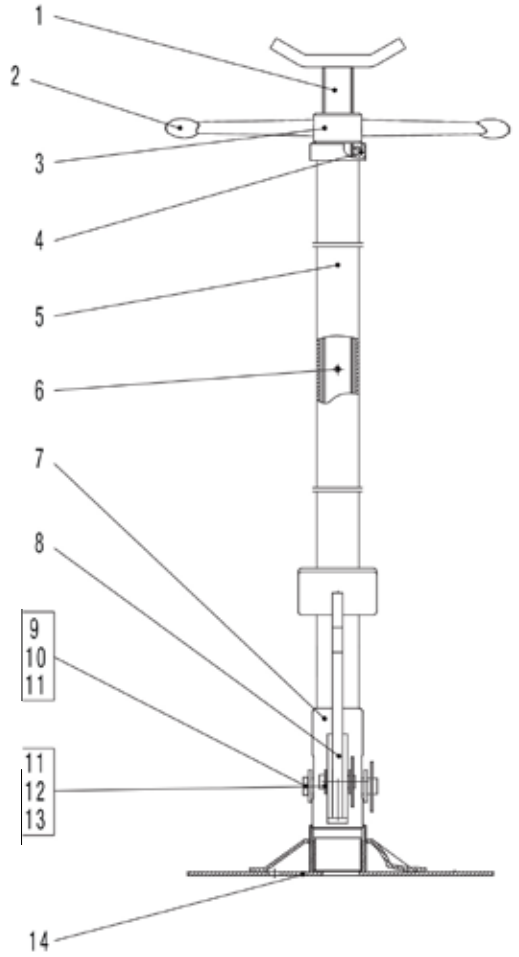
1. Always store the jack stand in a well protected area where it will not be exposed to inclement weather, corrosive vapors, abrasive dust or any other harmful elements. The jack stand must be cleaned of water, snow, sand, grit, oil, grease or other foreign matter before using.
2. Use a general purpose grease to lubricate the worm shaft. All moving joints require lubrication often. Lightly grease the screw and bearing.

# PARTS BREAKDOWN



**RJS-1T**

Item #	Description	Qty #
1	Saddle Assy.	1
2	Handles	
3	Adjusting Handle	1
4	Bearing Assembly	1
5	Post	1
6	Connecting Rod	1
7	Washer	2
8	Pin	1
9	Base	1
10	R Pin	1

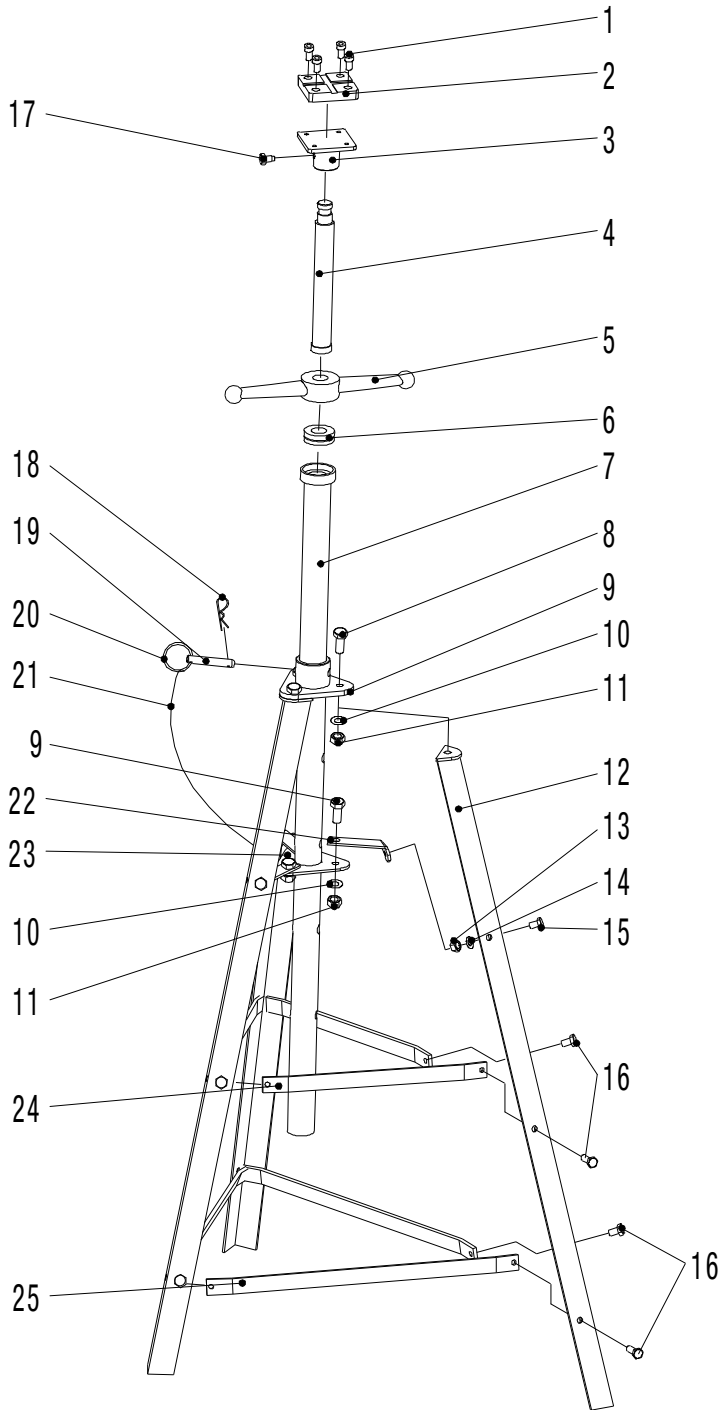


**RJS-1TF**

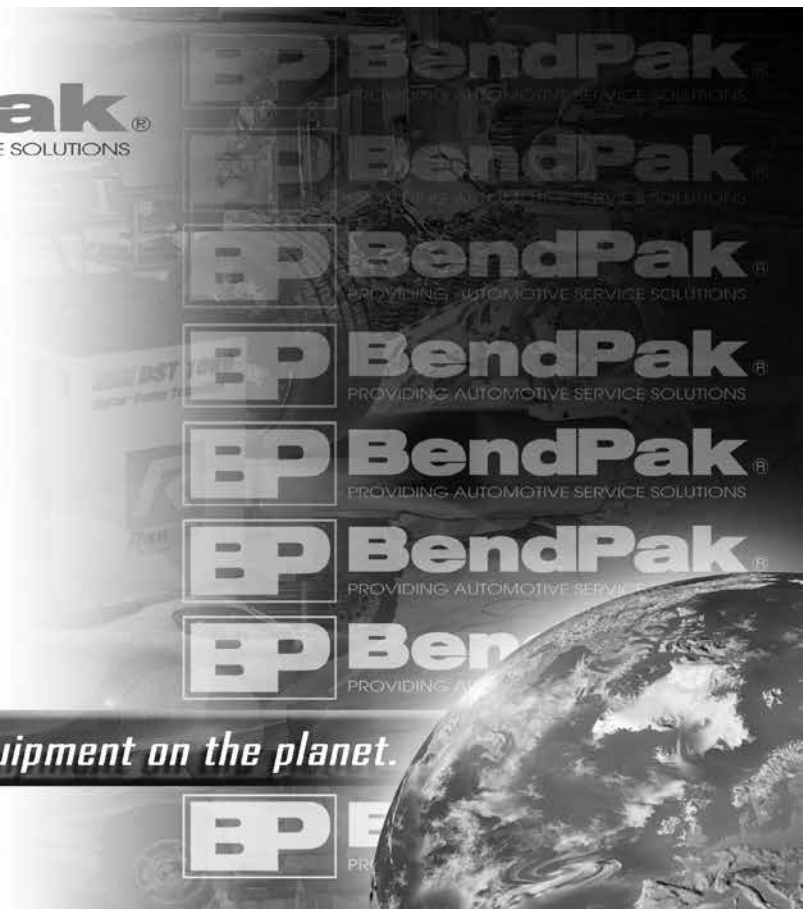
Item #	Description	Qty.
1	Saddle Assy.	1
2	Handles	
3	Adjusting Handle	1
4	Bearing Assy.	1
5	Post	1
6	Pin	1
7	Connecting Rod	1
8	Foot Pump Assy.	1
9	Pin	1
10	Washer	2
11	B Pin	1
12	Pin	1
13	Washer	1
14	Base	1

# PARTS BREAKDOWN

## RJS-2TH



Item #	Description	Qty.
1	Bolt	4
2	Saddle Assy. (incl. #1-4, #17)	1
3	Saddle Base	1
4	Extension Screw	1
5	Adjusting Handle	1
6	Bearing	1
7	Post	1
8	Hex Bolt (M10x25)	6
9	Connecting Plate	1
10	Washer (M10)	6
11	Nut (M10)	6
12	Legs	3
13	Nut (M8)	3
14	Washer (M8)	3
15	Bolt (M8 x 16)	3
16	Bolt (M8 x 12)	12
17	Locking Bolt	1
18	R Pin	1
19	Pin	1
20	Locking Ring	1
21	Chain	1
22	Small Braces	3
23	Positioning Plate	1
24	Middle Braces	3
25	Long Braces	3



*The best automotive service equipment on the planet.*

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