

1.5 Ton Transmission Jack Assembly and Operation Manual

Manual P/N 5900745 — Manual Revision E — September 2021

Model:

- RTJ-3000



Designed and engineered in Southern California, USA. Made in China.

 **DANGER**

Read the *entire contents* of this manual *before* using this product. Failure to follow the instructions and safety precautions can result in serious injury or death. Make sure all operators read this manual. Keep the manual near the product for future reference.
By proceeding with installation and operation, you agree that you fully understand the contents of this manual and assume full responsibility for product use.

Manual. RTJ-3000 Transmission Jack, *Installation and Operation Manual*, Manual P/N 5900745, Manual Revision E, released September 2021.

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Limitations. Every effort has been made to have complete and accurate instructions in this manual. However, product updates, revisions, and/or changes may have occurred since this manual was published. BendPak Ranger reserves the right to change any information in this manual without incurring any obligation for equipment previously or subsequently sold. BendPak Ranger is not responsible for typographical errors in this manual. Feel free to contact us at any time to get the latest information about any product: rangerproducts.com.

Warranty. The BendPak Ranger warranty is more than a commitment to you: it is also a commitment to the value of your new product. For full warranty details, contact your nearest BendPak Ranger dealer or visit bendpak.com/support/warranty. Go to bendpak.com/support/register-your-product/ and fill out the online form to register your product (be sure to click **Submit**).

Safety. Your new product was designed and manufactured with safety in mind. Your safety also depends on proper training and thoughtful operation. Do not set up, operate, maintain, or repair the unit without reading and understanding this manual and the labels on it; **do not use this product unless you can do so safely!**

Owner Responsibility. In order to maintain your product properly and to ensure operator safety, it is the responsibility of the product owner **to read and follow these instructions**:

- Follow all setup, operation, and maintenance instructions.
- Make sure product setup conforms to all applicable local, state, and federal codes, rules, and regulations, such as state and federal OSHA regulations and electrical codes.
- Read and follow all safety instructions. Keep them readily available for operators.
- Make sure all operators are properly trained, know how to safely operate the unit, and are properly supervised.
- Do not operate the product until you are certain that all parts are in place and operating correctly.
- Carefully inspect the product on a regular basis and perform all maintenance as required.
- Service and maintain the unit only with approved replacement parts.
- Keep the manual with the product and make sure all labels are clean and visible.
- **Only use this product if it can be used safely!**

Unit Information. Enter the Model Number, Serial Number, and the Date of Manufacture from the label on your unit. This information is required for part or warranty issues.

Model: _____

Serial: _____

Date of Manufacture: _____

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Introduction

This manual describes the 1.5 Ton Transmission Jack, Model RTJ-3000.
More information about BendPak Ranger products is available at rangerproducts.com.

This manual is mandatory reading for all users of the RTJ-3000, including anyone who assembles, operates, maintains, or repairs them.

**DANGER**

Be very careful when setting up, operating, maintaining, or repairing the equipment; failure to do so could result in property damage, product damage, injury, or (in very rare cases) death. Make sure only authorized personnel operate this equipment. All repairs must be performed by an authorized technician. Do not make modifications to the unit; this voids the warranty and increases the chances of injury or property damage. Make sure to read and follow the instructions on the labels on the unit.

Keep this manual on or near the equipment so that anyone who uses or services it can read it.
Technical support for your Transmission Jack is available from your distributor or directly from BendPak Ranger: using a web browser, visit the [BendPak Support website](#), click on **+ New support ticket**, and then fill in and submit a Support Ticket (make sure to click the **Submit** button at the bottom).

Shipping Information

Your equipment was carefully checked before shipping. Nevertheless, you should thoroughly inspect the shipment **before** you sign to acknowledge that you received it.

When you sign the bill of lading, it tells the carrier that the items on the invoice were received in good condition. ***Do not sign the bill of lading until after you have inspected the shipment.*** If any of the items listed on the bill of lading are missing or damaged, do not accept the shipment until the carrier makes a notation on the bill of lading that lists the missing or damaged goods.

If you discover missing or damaged goods **after** you receive the shipment and have signed the bill of lading, notify the carrier at once and request the carrier to make an inspection. If the carrier will not make an inspection, prepare a signed statement to the effect that you have notified the carrier (on a specific date) and that the carrier has failed to comply with your request for an inspection.

It is difficult to collect for loss or damage after you have given the carrier a signed bill of lading. If this happens to you, file a claim with the carrier promptly. Support your claim with copies of the bill of lading, freight bill, invoice, and photographs, if available. Our willingness to assist in helping you process your claim does not make us responsible for collection of claims or replacement of lost or damaged materials.

Safety Considerations

Read this entire manual carefully before using your new product. Do not set up or operate the product until you are familiar with all operating instructions and warnings. Do not allow anyone else to operate the product until they are also familiar with all instructions and warnings.

Safety Information

Please note the following:

1. The product is a Transmission Jack. Use it only as described in this manual.
2. Read all instructions.
3. Do not exceed rated capacity. Refer to loading instructions.
4. Do not operate product if it has been dropped or damaged – until it has been examined by a qualified service person.
5. The product should only be operated by authorized, supervised personnel. Keep children and untrained personnel at least 30 feet away from the unit while it is in use.
6. You ***must*** wear OSHA-approved (Publication 3151) Personal Protective Equipment at all times when installing, using, maintaining, or repairing the Jack. Leather gloves, steel-toed work boots, ANSI-approved eye protection, back belts, and hearing protection ***are mandatory***.
7. Adequate ventilation should be provided when working on operating internal combustion engines.
8. Keep hair, loose clothing, fingers, and all parts of your body away from moving parts.
9. ***Always wear safety glasses!*** Everyday glasses only have impact resistant lenses, they are not safety glasses.
10. To reduce the risk of injury, close supervision is necessary when this product will be used around children.

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11. Do not use the product while tired or under the influence of drugs, alcohol, or medication.
 12. Do not use the product in the presence of cigarette smoke, dust, or flammable liquids or gases. Use the product indoors in a well-ventilated area.
 13. Do not make any modifications to the product; this voids the warranty and increases the chances of injury or property damage.
 14. Verify all operators read and understand the *Installation and Operation Manual*.
 15. When the Lift is in use, keep all body parts well away from it.
 16. Clear the area immediately if a transmission or other Vehicle component is in danger of falling off the Lift.
 17. Only move Loads around your facility with the Jack in its lowest possible position. Keep the Center of Gravity low to prevent tipping and loss of the Load.
 18. Service and Maintain this unit with manufacturer approved replacement parts only.
 19. Make a visual inspection of the product before using it each time. Do not use the product if you find any missing or damaged parts. Instead, take the unit out of service, then contact an authorized repair facility, your distributor, or **Ranger Products at (805) 933-9970**.
 20. BendPak Ranger recommends making a **thorough** inspection of the product once a month. Replace any damaged or severely worn parts, decals, or warning labels.

Save these instructions!

Symbols

Following are the symbols that may be used in this manual:



DANGER Calls attention to a hazard that **will** result in death or injury.



WARNING Calls attention to a hazard or unsafe practice that **could** result in death or injury.



CAUTION Calls attention to a hazard or unsafe practice that could result in personal injury, product damage, or property damage.



NOTICE Calls attention to a situation that, if not avoided, could result in product or property damage.



Tip Calls attention to information that can help you use your unit better.

Liability Information

BendPak Ranger assumes **no** liability for damages resulting from:

- Use of the equipment for purposes other than those described in this manual.
- Modifications to the equipment without prior, written permission from BendPak Ranger.
- Injury or death caused by modifying, disabling, overriding, or removing safety features.
- Damage to the equipment from external influences.
- Incorrect operation of the equipment.

Components

Transmission Jack components include:

- **Adjustable Saddle Assembly.** Fully adjustable Universal Saddle adapts to passenger and light truck automatic transmissions and transaxle assemblies.
- **Saddle Adjustments.** Fine-Thread Saddle adjustment screws.
- **Chain Anchors.** Heavy-Duty Chain Anchors to secure the Load to the Saddle.
- **Ram.** The Lift Ram incorporates two stages for extended height up to 71 in. / 1,803 mm.
- **Lift Pedal.** Pumping the Lift Pedal raises the Lift Ram.
- **Release Pedal.** Depressing this pedal release hydraulic pressure to lower the Lift Ram.
- **Base.** Casters and Jack attachment points.
- **Casters.** Ball bearing swivel casters provide the ability to move the Transmission Jack.



Frequently Asked Questions

Question: What does a Transmission Jack do?

Answer: This Transmission Jack is designed to hold, position and transport heavy awkward components such as Vehicle Transmissions and Transaxles during removal and installation.

Q: Where can I use my Transmission Jack?

A: Use the Jack on a flat Concrete floor with room around it that is also near where you will be removing and installing Transmissions, Transaxles or other components. Do not use the Jack on damaged and cracked concrete.

Q: How much weight can the Transmission Jack lift?

A: Up to 3,000 lbs. / 1,361 kg on the Lift's first Ram stage, and reduced to 2,000 lbs. / 907 kg on the Lift's second Ram stage.

Q: How high can the Transmission Jack Lift?

A: The Maximum Lifting Height is 75.25 in. / 1,911 mm.

Q: What is the lowest height of the Transmission Jack?

A: The Minimum Clearance Height is 35.5" / 902 mm.

Q: Can I use brake fluid in the Transmission Jack?

A: No. Use **only** Hydraulic Jack Oil, Anti-Wear ISO VG 32.

Q: Can I move the Transmission Jack around the facility while it is carrying a Load?

A: Only move Loads around your facility with the Jack in its lowest possible position. Keep the Center of Gravity low to prevent tipping and loss of the Load.

Q: What does the Safety Overload System do?

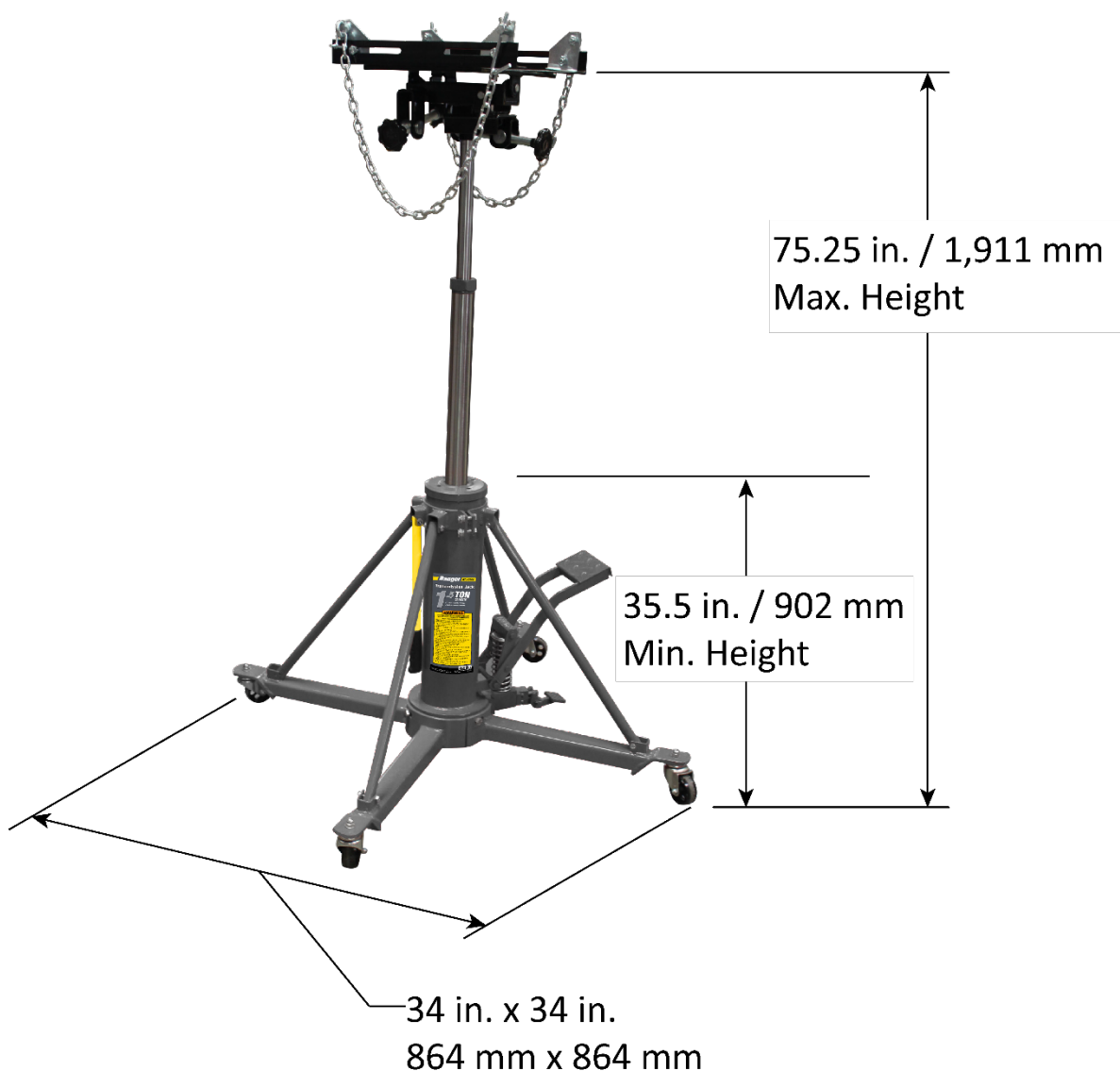
A: The Safety Overload System prevents loads in excess of 1.5 Tons from being lifted. When an excessive weight is on the Jack the Lift Ram will not extend no matter how many times you pump the Lift Pedal.

Q: What do I do if I have a problem with the Transmission Jack that I cannot solve?

A: Contact BendPak Ranger; we are here to help. Using a web browser, visit the **BendPak Support website**, click on **+ New support ticket**, and then fill in and submit a Support Ticket (make sure to click the **Submit** button at the bottom).

Specifications

Model	RTJ-3000
Max. Lifting Height	75.25 in. / 1,911 mm
Min. Clearance Height	35.5" / 902 mm
Max. Lifting Capacity 1 st Stage	3,000 lbs. / 1,361 kg
Max. Lifting Capacity 2 nd Stage	2,000 lbs. / 907 kg
Base Dimensions	34 in. x 34 in. / 864 mm x 864 mm
Shipping Weight	232 lbs. / 105 kg



Assembly Checklist

Following are the steps needed to Assemble and Setup the RTJ-3000 Transmission Lift; perform them in this order.

- ☐ 1. Review the Safety Information.
- ☐ 2. Gather the required Tools.
- ☐ 3. Find a location to assemble the Transmission Jack.
- ☐ 4. Unpack the Transmission Jack and its components.
- ☐ 5. Assemble the Transmission Jack.
- ☐ 6. Perform the Setup procedure.
- ☐ 7. Bleed the Transmission Jack.
- ☐ 8. Perform an operational test.
- ☐ 9. Review the final Checklist.

Assembly

This section describes how to assemble and setup your Transmission Jack.

Assembly and Setup Safety Rules

Pay attention at all times during assembly. Use appropriate tools and equipment. Keep hands and fingers away from pinch points.

 **WARNING** You must wear OSHA-approved (publication 3151) Personal Protective Equipment at all times when installing, using, maintaining, or repairing the Jack. Leather gloves, steel-toed work boots, ANSI-approved eye protection, back belts, and hearing protection are mandatory.

 **WARNING** Use caution when unpacking the Jack from its shipping container and setting it up. The Jack is heavy and the weight is not evenly distributed; dropping or knocking over the unit may cause equipment damage or personal injury.

Only allow experienced, trained technicians to assemble and test the Jack.

Tools Required

You may need some or all of the following tools:

- Metric Wrench set; adjustable Wrench
- Hammer and Pry Bar

Finding a Location

Keep in mind the following when deciding on a location to assemble, test and use the Jack:

- **A clean**, safe, low-traffic area is ideal for assembling the Transmission Jack.
- **Floor**. The Jack is best used on a flat, concrete floor. If the floor is cracked, unstable or not flat, the Jack will not travel easily.
- **Accessibility**. You need some space to move the Jack under the Vehicle.
- **No water**. The Transmission Jack is not designed for use in water. If the Jack becomes wet, wipe it down to remove the water. If the Jack has become submerged, then contact Ranger BendPak support.

Unpacking

To unpack the Transmission Jack:

1. Make sure you are wearing OSHA-approved (publication 3151) Personal Protective Equipment: leather gloves, steel-toed work boots, ANSI-approved eye protection, back belts, and hearing protection.
2. Use a hammer and pry bar to remove the container top.

 **CAUTION** Use caution when pulling off the carton top. Watch for sharp nails and edges.

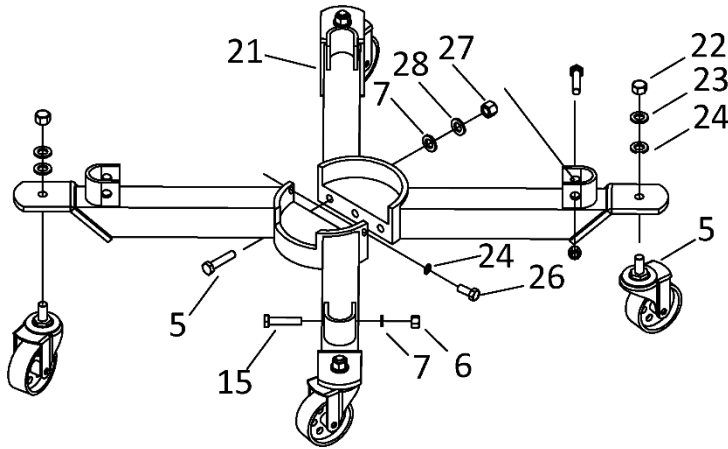
3. Remove the shipping bolts that are holding the Jack to the crate.
4. Remove the straps and plastic wrap that held the Jack components during shipping.
5. Place the components where they can easily be organized and not misplaced.

Assemble the Jack

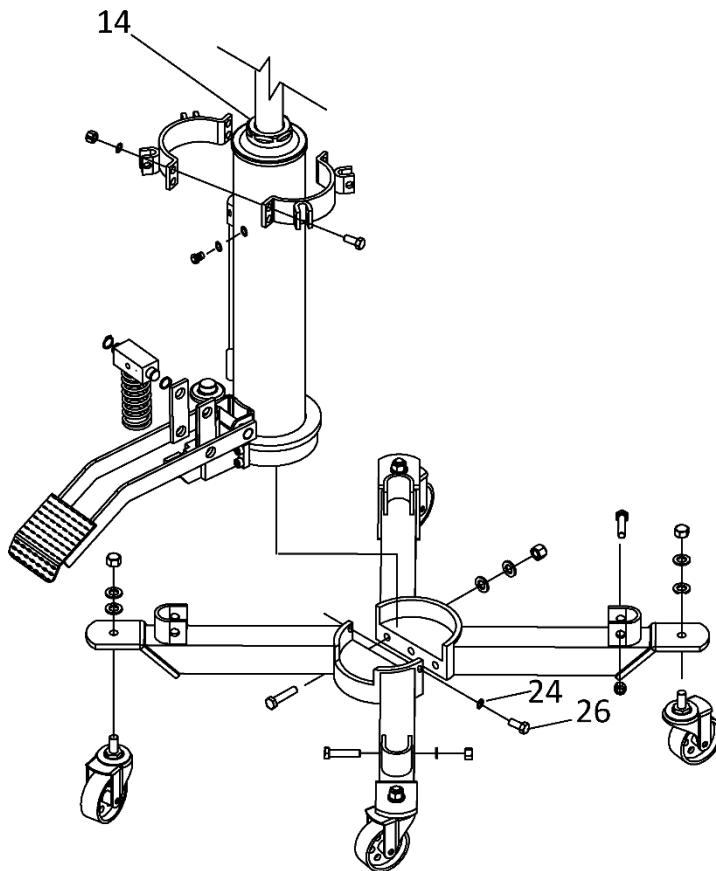
The following procedure is to be accomplished in a clean, low-traffic area where it is safe to work.

To assemble the Jack:

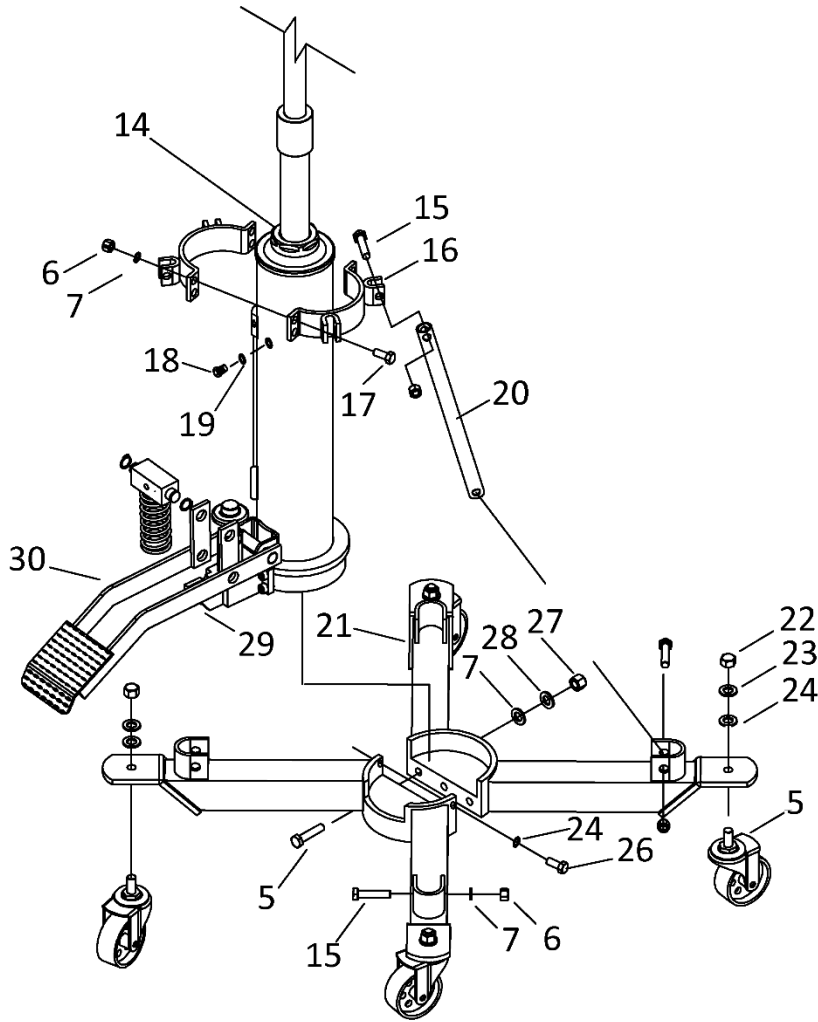
1. Locate the two Leg assemblies (21), and attach them together using three Bolts (5), Washers (7) Lock Washers (28) and Nuts (27) provided. Leave finger tight. See figure below.
2. Attach four Casters (25) to the ends of each Leg. Secure the Casters using an open end wrench. See figure below.



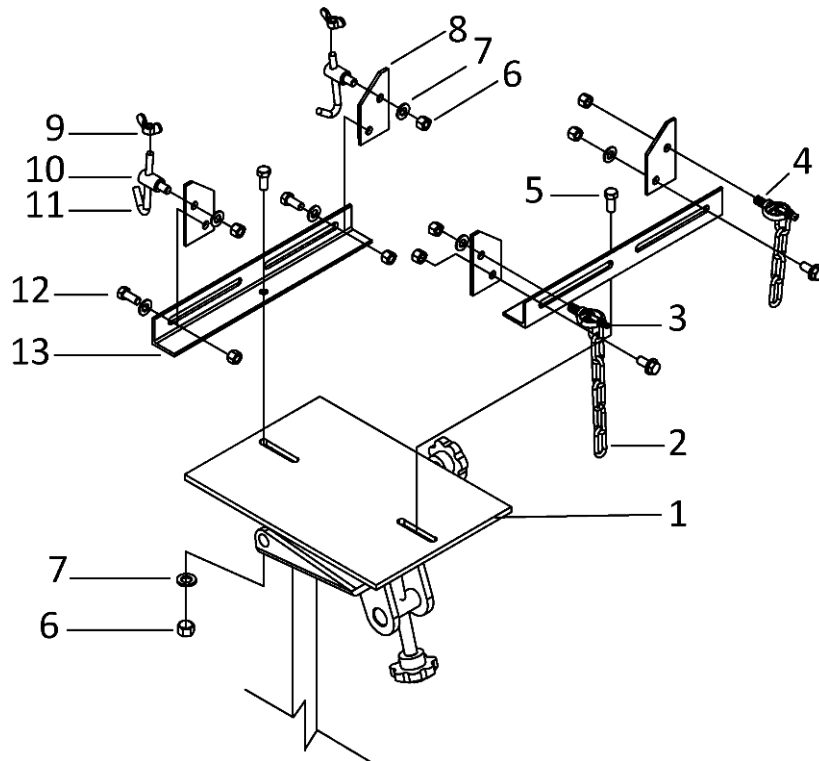
3. Place the Cylinder Assembly (14) onto the Leg assembly and bolt in place using the 3 Bolts (26) and Washers (24) provided. See figure below.



4. Tighten the Bolts and Nuts attached to the Leg assembly in step 1.
5. Attach both halves of the Support Bar Ring (16) to the Cylinder using the 4 Bolts (17) Washers (7) and Nuts (6) provided.
6. Attach the four support bars (20) using 8 Bolts (15), Washers (7) and Nuts (6) provided. Tightly secure these Bolts.
7. Tighten the Bolts and Nuts attached to the Support Bar Ring in step 5.



8. Attach the Angle Brackets (13) onto the Saddle (1) and fasten with the Hex Bolts (5), Washer and Nuts (7, 6).
9. Assemble the Plate Bracket (8) on the Angle Bracket (13) and secure with the Hook and Screw Caps (9, 10, 11) and Washer and Nut (7, 6).
10. Assemble Chains (2) and Chain Hardware (3, 4) to the corner of the Plate Bracket using Nuts and Washers. See figure below.



Setup the Jack

The following steps are to be performed after assembly and prior to initial use. The Jack Cylinder is filled and shipped with Hydraulic Fluid. The Breather/Fill Plug is tightened to ensure no leakage during shipment.

To Setup the Jack:

1. Loosen the Breather Screw (18) one full turn.
2. Press the Release Pedal to open the Release Valve.
3. Operate the Lift Pedal eight full times to distribute the oil prior to use.
4. Check the Hydraulic Fluid Level. With the Saddle fully lowered, remove the Breather Screw and check the Fluid level. The Fluid should be at the bottom of the filler screw hole. Add Hydraulic Fluid as required. Use **only** Hydraulic Jack Oil, Anti-Wear ISO VG 32. Do **not** use Hydraulic Brake Fluid.

Bleeding the Jack

Air can accumulate within the Hydraulic System during shipment or after prolonged use. The entrapped air can cause the Jack to respond slowly or feel “spongy.” Follow the procedure below to Bleed the Jack. An assistant is helpful in performing this procedure.

To Bleed the Jack:

1. Pump the Jack to its highest point. The first and second rams are both fully extended.

2. Ask an assistant to hold the Release pedal in the down position.
3. Operate the Lift Pedal approximately 20 times.
4. Have your assistant let go of the Release Pedal. The air in the Jack should have been bled from the system successfully.

Operational Test

Before putting your Transmission Lift into normal operation, BendPak Ranger recommends raising and lowering the lift several times with a typical load on the Lift. This will aid the operator in acquiring a feel for how to operate the controls and also help purge air out of the Hydraulic System.

⚠ DANGER Transmission Lifts are dangerous tools when used by inexperienced or impaired technicians. Lifting Vehicle components is a serious endeavor with life-threatening risks if mandatory lifting precautions are ignored.

During the Operational Test, check for proper operation. Do not raise any additional Vehicle components until a thorough Operational Test has been done with a typical Vehicle.

⚠ WARNING Never raise a Transmission or Transaxle whose weight exceeds the rated capacity of the Lift. Only trained personnel should raise or lower the Lift.

To perform an Operational Test:

1. Secure a Vehicle Transmission, Transaxle or other Component to the Lift Saddle.
2. Follow the Operating Instructions to safely raise and lower a Vehicle Component on the Lift.

⚠ WARNING **Before pumping the Lift Pedal, always** verify the Load is secured with the Chain assemblies.

3. Pump the Lift Pedal to raise the Saddle until ***just before*** the Component makes contact with the Vehicle's mounting points.
4. Slowly press the release pedal, watch and listen as the Load is lowered back down. Continue to watch and listen as the Lift raises and then lowers.
5. Repeat this procedure a minimum of three times.
6. If the Lift may moves erratically or make some odd noises the you may need to repeat **Bleeding the Jack**. If you continue to have issues, refer to **Troubleshooting** for assistance.

Final Checklist before Operation

Make sure the following has been accomplished ***before*** using your Jack:

- Review the Assembly and Setup procedures and verify all steps have been completed.
- Verify that the Breather screw has been loosened by one turn.
- Verify all Fasteners are in position and tightened.
- Verify the **Setup the Jack** has been completed.
- Verify the **Bleeding the Jack** has been accomplished.
- Verify an **Operational Test** has been completed.
- Leave this Manual with the owner/operator.

Operation

This section describes how to use your Transmission Jack.

-  **DANGER** Being in close proximity to a Load bearing Transmission Jack is a serious endeavor with potentially life-threatening risks. Only trained, authorized, supervised personnel may be within 30 feet of the Jack while it is in use. ***Do not assume you are going to be safe using the Transmission Jack this time just because nothing happened last time.***
-  **DANGER** **Do not exceed the rated capacity.** Overloading can cause damage to or failure of the Transmission Jack, resulting in property damage, as well as personal or fatal injury.
-  **DANGER** Failure to heed the Dangers, Warnings, Cautions and instructions in this manual may result in loss of load, damage to the Transmission Jack, and/or failure resulting in property damage, as well as personal or fatal injury.
-  **WARNING** Do **not** raise, lower or transport a Vehicle Component unless it is secured by the Chain Restraints. It is your responsibility to adjust the restraint system to a suitable position. BendPak Ranger is not responsible for incorrect setups of the restraint system that may cause personal injury and / or property damage.
-  **WARNING** Do **not** use this Jack if you believe it has been subjected to an abnormal load or shock.
-  **WARNING** Keep hands and body clear of all pinch points.
-  **CAUTION** Do **not** use the Transmission Jack as a wash rack when washing or steam cleaning Transmissions or Transaxles.

Safety Precautions

Keep the following in mind while you use your Transmission Jack:

- Verify all Operators receive specific training in lifting and removing Transmissions and Transaxles **before** they are allowed to use this Transmission Jack, that their training is verified through a testing program, and that all training is documented. All others, including children and untrained personnel, **must** be kept at least 30 feet away from the Jack while it is in use.
- Make sure **new** Operators are trained and supervised in the use of the Jack.
- Do **not** use the Transmission Jack while tired or under the influence of drugs, alcohol, or medication.
- This Transmission Jack is designed for hard level surfaces capable of sustaining the combined load of the Jack and the Vehicle Components placed upon it. Use of this Jack on other than hard level surfaces can result in the instability of the Transmission Jack and possible loss of the load and personal injury.
- Make a visual inspection of the unit **before each use**. Do not operate your Jack if you find any issues. Instead, take the unit out of service, then contact your dealer, visit www.bendpak.com/support/, or call **(805) 933-9970**.

 **WARNING** You must wear OSHA-approved (publication 3151) Personal Protective Equipment at all times when installing, using, maintaining, or repairing the Jack. Leather gloves, steel-toed work boots, ANSI-approved eye protection, back belts, and hearing protection are mandatory.

- Do not use the unit in a wet environment or expose it to rain or excess moisture.

Operating Instructions

To remove a Vehicle Component:

1. Follow the Vehicle's recommended service procedure for removal of the Component.
2. Position the Jack under the Vehicle and the Component to be removed. Try to position the centerline of the Jack under the Component's center of gravity to prevent the Jack from tipping due to an imbalance.
3. Raise the Jack by operating the Lift Pedal until the Saddle touches the Vehicle Component to be removed.
4. Adjust the Angle and Plates on the Saddle assembly to fit the Component.
5. Use the Saddle Adjustments to align the Saddle with the Component.
6. Raise the Jack to take some of the Component's weight. Support and secure the Component by securing the Chain assemblies around the Component.

 **WARNING** Always be aware of the load and its stability. If the load on the Jack is significantly off center or if the Component becomes out of balance on the Jack, never attempt to hold or catch the Component. Serious personal injury may result as well as damage to the Jack, and or the Component.

7. Carefully disconnect any of the Vehicle's electrical wiring harnesses, remove any mounting fasteners, mounts and cross members securing the Component. Ensure that the Component is stable and centered on the Transmission Jack.
8. Carefully and slowly lower the Component by pressing on the Release Pedal until the Jack is at its lowest position.

 **WARNING** Only move Loads around your facility with the Jack in its lowest possible position. Keep the Center of Gravity low to prevent tipping and loss of the Load.

To install a Component:

1. Follow the Vehicle's recommended service procedure for installing the Component.
2. Position the Jack with the Component under the Vehicle. Try to position the centerline of the Jack under the Component's center of gravity to prevent the Jack from tipping due to an imbalance.
3. Verify the Component is secured with the chain assembly prior to lifting or transporting
4. Slowly raise the Jack by operating the Lift Pedal until the Component is in position under the Vehicle.
5. Use the Saddle Adjustments to align the Vehicle Component with its installation location.
6. Comply with the Vehicle manufacturer's procedure for aligning and connecting the Component with other Vehicle Components and or systems.

⚠ WARNING

Exercise caution and proceed slowly to avoid damaging Components. A common problem when replacing Components is trapping electrical harnesses and or vacuum lines between the Component and the Vehicle Frame.

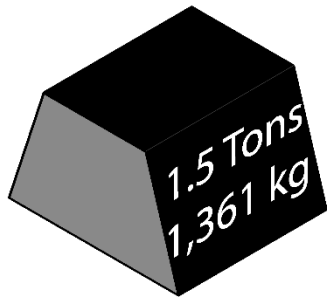
7. Carefully replace the fasteners, mounts and cross members to mechanically secure the Component to the Vehicle.
8. Remove the Transmission Jack's Chain assemblies from around the Component **only** when safe to do so.
9. Carefully lower the Transmission Jack by pressing on the Release Pedal, then move the Transmission Jack out of the immediate work area.

Overload Safety System

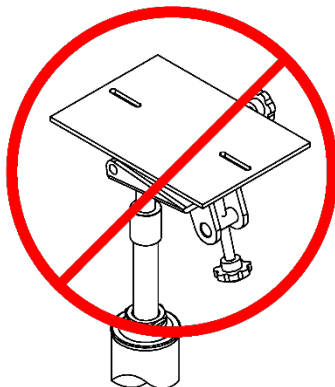
The Overload Safety System prevents the Transmission Jack from lifting beyond its rated capacity. When attempting to **raise** a load beyond the Lift's rated capacity the Lift's Ram will not advance when the Lift Pedal is pumped.



2nd Stage Rated Capacity ☒



1st Stage Rated Capacity ☒



The Overload Safety System will prevent lifting weight in excess of the rated capacity.

Maintenance

Make sure your Transmission Jack is maintained on a regular basis.

Routine Maintenance

To maintain your Transmission Jack:

- **Daily:** Make sure the unit is clean and dry before use.
- **Weekly:** Make sure the Saddle Assembly, Brackets and Shaft Assembly are correctly oriented and not bent or damaged.
- **Monthly:** Check the Cylinder Ram for signs of corrosion. Clean exposed areas with a clean oiled cloth.
- **Monthly:** Check the fasteners on the Transmission Jack to make sure they are secure.
- **Monthly:** Lubricate all moving parts of the Jack. Pay special attention to the Saddle Adjustment Screws and related linkages. A medium weight lubricating grease should be used on all external moving parts, pivot points, tilt screws, etc.
- **Monthly:** Check the Hydraulic Fluid Level. With the Saddle fully lowered, remove the Breather Screw and check the Fluid level. The Fluid should be at the bottom of the filler screw hole. Add Hydraulic Fluid as required. Use **only** Hydraulic Jack Oil, Anti-Wear ISO VG 32. Do **not** use Hydraulic Brake Fluid.
- **Monthly:** Check all Jack components to make sure they are in good operating condition. If you find a component that is **not** working correctly, take the unit out of service and refer to **Troubleshooting** for more information.
- **Yearly:** Take the unit out of service, and then thoroughly check and clean all components.

 **WARNING** Service and Maintain this unit with manufacturer-approved replacement parts **only**.

 **WARNING** Do not operate your Transmission Jack if you find issues; instead, take the unit out of service, then contact your dealer, visit rangerproducts.com/support/, or call **(805) 933-9970**.

Troubleshooting

Perform the following checks if you are experiencing problems with your Transmission Jack:

Problem	Possible Cause and Action to Take
Jack Ram fails to extend or only partially extends.	Possibly low fluid level. Refer to Maintenance and fill to correct level.
Incomplete or partial Cylinder response when Lift Foot Pedal is pumped.	Low Fluid Level. Refer to Maintenance and fill to correct level. Air in System. Refer to Bleeding the Jack .
Abnormal Leakage through the Cylinder Breather.	Low Fluid Level. Refer to Maintenance and fill to correct level.
Ram fails to extend when Lift Foot Pedal is pumped.	Release valve malfunction. Pump Foot Pedal with Release Valve open. Contamination in the system. Disassemble and clean unit. Cylinder Packing failure. Install necessary items from the seal kit.
Cylinder slowly lowers the Load.	Load exceeds maximum lifting capacity. Reduce load or replace with a Jack that has a higher rated capacity. Release Valve is leaking. Flush Valve by pumping Foot Pedal with Release Valve open.
Cylinder doesn't retract when Release Pedal is activated.	The Load is too light. Unit requires 35 lbs. / 16 kg minimum to retract. Cylinder is binding. Disassemble unit and replace defective components.
Cylinder extends when Lift Foot Pedal is pressed, and retracts when Lift Foot Pedal retracts.	Release valve malfunction. Release Valve is leaking. Flush Valve by pumping Foot Pedal with Release Valve open. Contamination. Disassemble unit and clean.

If you continue to have problems with your Transmission Jack, visit www.bendpak.com/support/ or call **BendPak Ranger at (805) 933-9970**.



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CALIFORNIA PROPOSITION 65

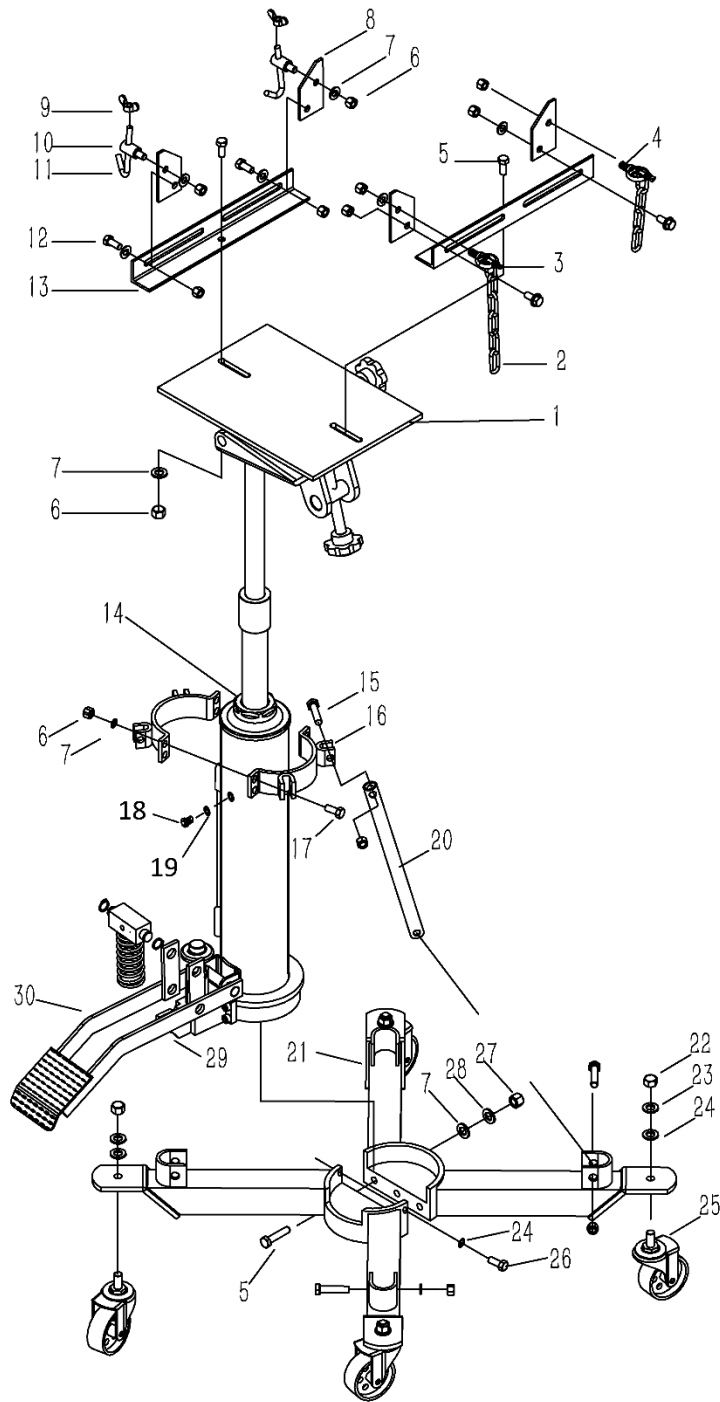
⚠ WARNING ⚠

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

ADVERTENCIA: Este producto contiene sustancias químicas reconocidas por el estado de California como causantes de cáncer y defectos de nacimiento u otros daños reproductivos.

For more information visit:
www.P65Warnings.ca.gov

Parts



NO	DESCRIPTION	QTY
1	Saddle Assy.	1
2	Chain	2
3	Shackle	2
4	Screw	2
5	Bolt M10 x 25	5
6	Nut M10	18
7	Flat Washer Ø10	21
8	Bracket, Plate	4
9	Wing Nut	2
10	Bar	2
11	Screw	2
12	Bolt M10 x 20	4
13	Angle Bracket	2
14	Cylinder, Main Body	1
15	Bolt M10 x 45	8
16	Support Bar Ring Half	2
17	Bolt M10 x 40	4
18	Breather/Fill Screw	1
19	Seal, Ring	1
20	Side Support	4
21	Leg Assy.	2
22	Cap Nut M12	4
23	Spring Washer	7
24	Flat Washer M12	7
25	Caster Assy.	4
26	Bolt M12 x 25	3
27	Lock Nut M10	3
28	Spring Washer M10	3
29	Release Foot Pedal	1
30	Lift Foot Pedal	1

Maintenance Log

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Maintenance Log



1645 Lemonwood Drive
Santa Paula, CA 93060 USA