



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 USE THIS EQUIPMENT AS DIRECTED MAY CAUSE INJURY OR DEATH.

REV A 07-21-2016
P/N 5900031

INSTALLATION AND OPERATION MANUAL

30-Ton Capacity Telescoping Air Bottle Jack

Model: RBJ-30TL



Keep this operation manual near the machine at all times. Make sure that **ALL USERS** read this manual.

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



1645 Lemonwood Dr.
Santa Paula, CA. 93060, USA
Tel: 1-805-933-9970
Toll Free: 1-800-253-2363
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WARRANTY POLICY

Ranger Products™ are backed by over 40 years of manufacturing experience. Every Floor Jack 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™ equipment 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 a customer is authorized in writing by Ranger Products.

For more information about the warranty, please visit:

<http://www.bendpak.com/Ranger-Warranty.pdf>



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

**THIS FLOOR JACK 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 FLOOR JACK. THE USER MUST
READ AND UNDERSTAND THESE DETAILS BEFORE
ANY USE OF THE FLOOR JACK. THIS MANUAL
MUST BE RETAINED FOR FUTURE REFERENCE.**

OWNER/OPERATOR RESPONSIBILITY:

The owner and/or the 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 jack.

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 jack. This inspection should check for abnormal conditions such as cracked welds, leaks and damaged, loose or missing parts.



Any jack that appears to be damaged in any way, is found to be worn or operated abnormally, must be removed from service immediately.

Any jack that operates abnormally shall be removed from service until repaired by a qualified repair service center.

If the jack 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 jack 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:

Use Service Jack for lifting purposes ONLY. Make sure to always support vehicle with jack stands.

UPON DELIVERY

- Carefully remove all packaging material.
- Inspect the equipment and all parts for any signs of concealed shipment or storage damages.
- Remember to report any shipping damage to the carrier and make a notation on the delivery receipt.

IMPORTANT SAFETY TIPS

- Be sure to read all warning labels and the instruction manual prior to operation of this equipment.
- Keep hands and body clear of all pinch points.
- Use the jack for loading under-rated capacity only. **DO NOT** over load.
- Ensure the jack is set on a solid and level surface.
- Support the load with jack stands after the load is raised to the desired level, before getting under the load.
- Center the load on the jack saddle properly. An off centered load may damage the seals and result in jack failure.
- Lift only dead weight. Always set the hand brake and block the wheels of the vehicle.
- This jack is to be used by professional personnel only. In order to avoid a dangerous situation, please ensure that non professional personnel and specially **CHILDREN DO NOT USE THIS JACK** under any circumstances.



THIS IS A LIFTING DEVICE ONLY. DO NOT MOVE OR DOLLY THE VEHICLE WHILE ON THE JACK. IMMEDIATELY AFTER LIFTING, SUPPORT THE VEHICLE WITH APPROPRIATE MEANS.

DO NOT EXCEED RATED CAPACITY. OVERLOADING CAN CAUSE DAMAGE TO OR FAILURE OF THE JACK.



LIFT ONLY ON AREAS OF THE VEHICLE AS SPECIFIED BY THE VEHICLE MANUFACTURER.

KEEP HANDS AND BODY CLEAR OF ALL PINCH POINTS.

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

THIS JACK IS DESIGNED FOR USE ONLY ON HARD LEVEL SURFACES CAPABLE OF SUSTAINING THE LOAD. USE ON OTHER THAN HARD LEVEL SURFACES CAN RESULT IN JACK INSTABILITY AND POSSIBLE LOSS OF LOAD.

NO ALTERATIONS TO THE JACK SHALL BE MADE.

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

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

ASSEMBLY INSTRUCTIONS

1. Take out the jack and handle from the package.
2. Unscrew the wheels from the jack, and assemble the handle fork between the wheels and jack body by bolts and washers.
3. Connect the red air hose in the handle to the hose coupler with a red hose end, and the blue air hose to the coupler with a blue end.
4. Open the ball valve (part # 23) by turning the knob counter clockwise.



BEFORE ATTEMPTING TO RAISE ANY VEHICLE, CHECK VEHICLE SERVICE MANUAL FOR RECOMMENDED LIFTING POINTS.

OPERATION:

1. Verify the control lever is in neutral position.
2. Connect shop air supply to the RBJ-30TL Jack. Recommended air pressure is 100-145PSI (7-10 Bar). Install an air filter/lubricator in the shop air line, because water in the air line will damage the jack.



DO NOT CRAWL UNDER VEHICLE WHILE LIFTING VEHICLE OR PLACING OR REMOVING JACK STANDS.

3. Move the control lever to UP to raise the saddle to the contact point. Move the control lever to neutral position.
4. Check the area where you are planning to place the bottle jack. The load must be centered on the jack saddle. Avoid jack wheel obstructions such as: gravel, tools or uneven expansion joints.
5. Move the control lever to UP, now you can lift the vehicle. Immediately, place approved support stands under the vehicle's lifting points (recommended by the vehicle manufacturer). SLOWLY and CAREFULLY lower the vehicle onto the support stands by pushing the control lever to the DOWN position.

BLEEDING AIR FROM THE JACK

Air can accumulate within a hydraulic system during shipment or after prolonged use. This entrapped air causes the jack to respond slowly or feel "spongy". To remove the air from the RBJ-30TL:

1. Move the control lever to DOWN, and hold it there for a few seconds.
2. Move the control lever to UP to complete a load-free lifting cycle.
3. Move the control lever to DOWN to retract the jack pistons. The pistons should react in a smooth motion. If not, repeat steps 1-3.



KEEP HANDS OR FEET AWAY FROM THE HINGE MECHANISM OF THE JACK.

MAINTENANCE

Keep the service jack clean at all times and well lubricated to prevent foreign matter from entering the system. If the jack has been exposed to rain, snow, sand or grit, it must be cleaned before it is used.

1. Store the jack with pistons completely retracted in a well-protected area where it will not be exposed to corrosive vapors, abrasive dust or any other harmful elements.
2. Use only replacement parts that are approved by the manufacturer. Disconnect the air supply before performing any maintenance operation.
3. Regularly lubricate the moving parts in the wheels, arm and handle using a high quality grease.
4. Inspect the jack before each use. Take corrective action if any of the following problems are found:
 - cracked, damaged housing
 - excessive wear, bending, other damage.
 - leaking hydraulic fluid
 - scored, damaged piston rod
 - loose hardware
 - modified equipment
5. Keep warning labels and instructional decals clean and readable. Use a mild soap solution to wash external surfaces of the jack.

FOR TECHNICAL SUPPORT:
1-800-253-2363 EXT. 196

TO ORDER PARTS:
1-800-253-2363 EXT. 191

BENDPAK / RANGER 1-805-933-9970



SPECIFICATIONS

Maximum Capacity	60,000 lbs / 27215 kg.
Lowered Height	6-1/2" / 165.1 mm.
Maximum Lifting Height	12" / 300 mm.
Chassis Width	12-1/2" / 317.5 mm.
Chassis Length	22-1/2" / 571.5 mm.
Shipping Weight	113 lbs. / 51.5 kg.

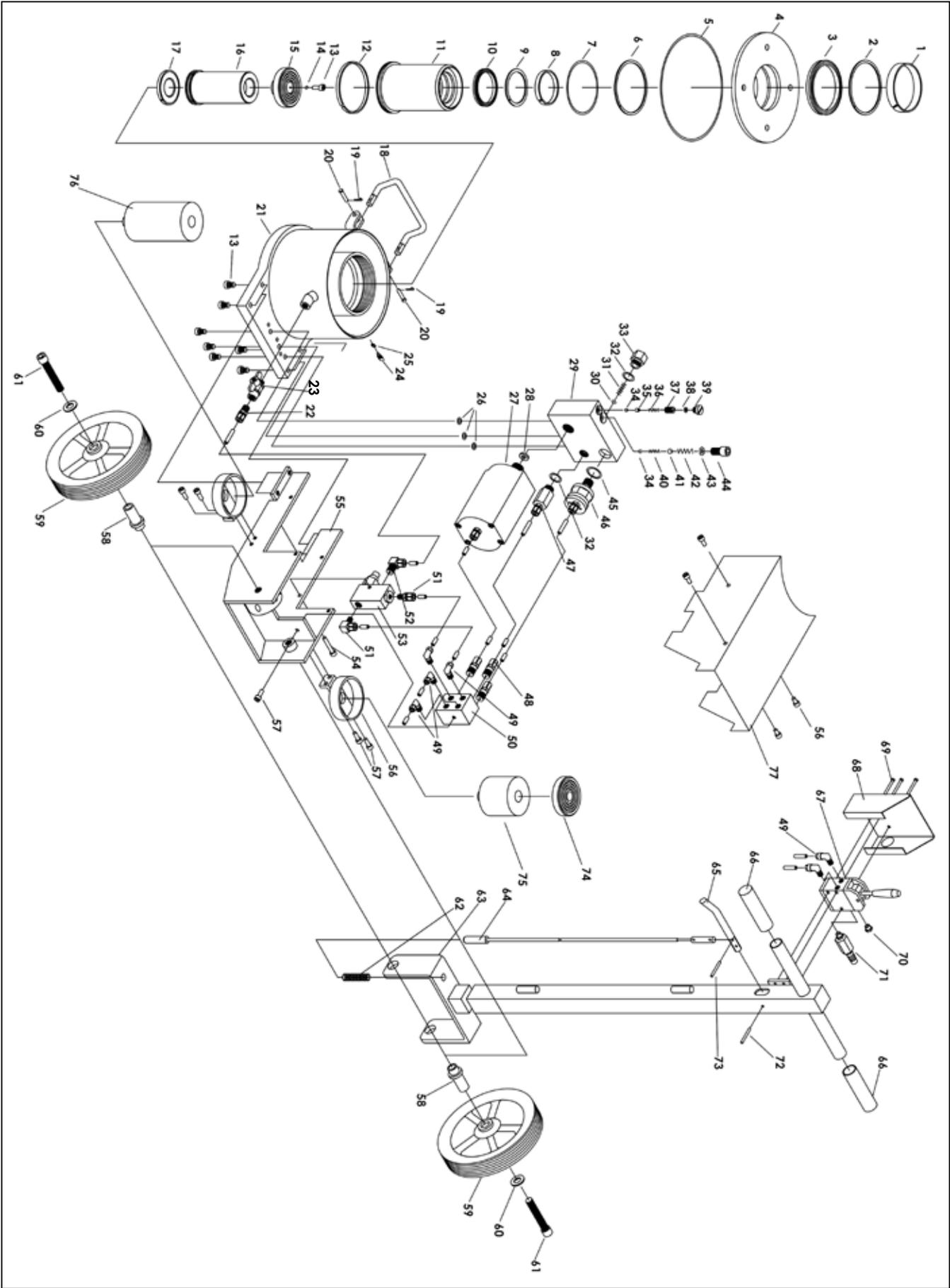
RBJ-30TL TROUBLESHOOTING

TROUBLE	CAUSE	SOLUTION
Jack does not lift	<ol style="list-style-type: none"> 1. Control valve in wrong position. 2. Low/No oil in reservoir. 3. Air-locked system 4. Load is above capacity of jack. 5. Delivery valve and/or bypass valve not working correctly. 6. Seals worn out or defective. 	<ol style="list-style-type: none"> 1. Move control valve to UP position. 2. Fill with oil and bleed system. 3. Bleed system. 4. Use correct equipment. 5. Clean to remove dirt or foreign matter. Replace oil. 6. Install appropriate seal kit.
Jack lifts only partially	<ol style="list-style-type: none"> 1. Too much or not enough oil. 	<ol style="list-style-type: none"> 1. Check oil level.
Jack advances slowly	<ol style="list-style-type: none"> 1. Pump not working correctly. 2. Leaking seals. 	<ol style="list-style-type: none"> 1. Install appropriate seal kit. 2. Install appropriate seal kit.
Jack lifts load but doesn't hold	<ol style="list-style-type: none"> 1. Cylinder packing is leaking 2. Valve not working correctly (suction, delivery, release, bypass). 3. Air-locked system 	<ol style="list-style-type: none"> 1. Replace with seal kit. 2. Inspect valves. Clean and repair seat surfaces. 3. Bleed system.
Jack leaks oil	<ol style="list-style-type: none"> 1. Worn or damaged seals 	<ol style="list-style-type: none"> 1. Replace with seal kit.
Jack will not retract	<ol style="list-style-type: none"> 1. Control valve in wrong position. 	<ol style="list-style-type: none"> 1. Move control valve to DOWN position.
Jack retracts slowly	<ol style="list-style-type: none"> 1. Cylinder damaged internally 	<ol style="list-style-type: none"> 1. Send jack to service center.

RBJ-30TL PARTS BREAKDOWN

No.	Description	Qty	No.	Description	Qty
1	Guild Ring A	1	40	Spring	1
2	Nylon Gasket A	1	41	Steel Ball	1
3	Y-Ring	1	42	Spring	1
4	Cover Board	1	43	Copper Washer B	1
5	O-Ring	1	44	Allen Screw	1
6	Nylon Gasket B	1	45	Copper Washer C	1
7	O-Ring	1	46	Release Valve	1
8	Guild Ring B	1	47	Oil Flow Valve	1
9	Nylon Gasket C	1	48	Couple G 1/4-6	4
10	Y-Ring	1	49	Elbow Coupler	6
11	Outer Ram	1	50	Multi-Routine-Valve	1
12	Guild Ring C	1	51	Coupler 6 1/8-6	1
13	Bolt	8	52	Elbow Coupler	2
14	Steel Ball	1	53	Vacuum Valve	1
15	Adaptor	1	54	Bolt	1
16	Ram	1	55	Connection Bracket	1
17	Guild Ring D	1	56	Saddle Adaptor	2
18	Handle Grip	1	57	Allen Screw	9
19	Clip	2	58	Bushing	2
20	Pin	2	59	Wheel	2
21	Jack Base	1	60	Flat Washer	2
22	Coupler G 1/4-8	1	61	Allen Screw	2
23	Ball Valve	1	62	Spring	1
24	Allen Screw	9	63	Handle	1
25	O-Ring	1	64	Control Rod	1
26	O-Ring	1	65	Handle Grip	1
27	Air Motor	1	66	Handle Sleeve	2
28	Copper Washer	1	67	Control Valve	1
29	Valve Block	1	68	Valve Board	1
30	Steel Ball	1	69	Screw	3
31	Spring	1	70	Muffler	2
32	Copper Washer	2	71	Air Inlet Coupler	1
33	Spring Seat	1	72	Lock Pin	1
34	Steel Ball	1	73	Lock Pin	1
35	Ball Valve Seat	1	74	Adaptor A	1
36	Safety Valve Spring	1	75	Adaptor B	1
37	Adjust Screw	1	76	Adaptor C	1
38	Safety Valve Seal	1	77	Cover	1
39	Safety Valve Screw	1			

RBJ-30TL PARTS BREAKDOWN





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