

2-Ton Aluminum Racing Floor Jack Assembly and Operation Manual

Manual P/N 5900185 Revision A3— May 2025

Model:

- RFJ-4000AL



⚠ DANGER

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

⚠ WARNING

California Proposition 65. This product can expose operators to chemicals including styrene and vinyl chloride which are on the list of over 900 chemicals identified by the State of California to cause cancer, birth defects or reproductive harm. **ALWAYS** use this product in accordance with BendPak / Ranger's instructions. For more information go to www.P65Warnings.ca.gov.

Manual. RFJ-4000AL Aluminum Racing Floor Jack, *Installation and Operation Manual*, P/N 5900185, Revision A3, Released May 2025.

Copyright. Copyright © 2025 by BendPak / Ranger Inc. All rights reserved. Copies of this document may be made if it is agreed that: full attribution will be given to BendPak / Ranger Inc., no changes will be made to the content, no rights will be gained to this content, and copies will not be used for commercial purposes.

Trademarks. BendPak, the BendPak logo, Ranger, and the Ranger logo are registered trademarks of BendPak / Ranger Inc. All other company, product, and service names are used for identification only. All trademarks and registered trademarks mentioned in this manual are the property of their respective owners.

Limitations. Every effort has been made to use 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. Feel free to contact us at any time to get the latest information about any product at rangerproducts.com.

Warranty. The BendPak / Ranger warranty is a commitment to the quality value of this product. For full warranty details, contact the nearest BendPak / Ranger dealer or visit bendpak.com/support/warranty.

Safety. This product was designed and manufactured with safety in mind. Operator safety also depends on proper training and thoughtful operation. Do not set up, operate, maintain, or repair the Floor Jack without reading and understanding this manual and the labels on the product. **Do not use this product unless it can be done so safely!**

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

- Follow all installation, operation, and maintenance instructions.
- Make sure the product setup conforms to all applicable local, state, and federal codes, rules, and regulations, such as state and federal OSHA regulations.
- Read and follow all safety instructions. Keep them readily available for all operators.
- Make sure all operators are properly trained, know how to safely operate the Floor Jack, and are properly supervised.
- Do not operate the product until it is certain that all parts are in place and operating correctly.
- Service and maintain the unit only with approved replacement parts.
- Keep the manual with the product and make sure all labels on the product are clean and visible.

 **DANGER** Calls attention to an immediate hazard that **will** result in death or severe injury.

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

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

Technical support is available by calling **Ranger Products at (800) 253-2363** and follow the prompts. More information about the full line of Ranger Products is also available at rangerproducts.com.

This product was designed and engineered by BendPak Inc. in Southern California, USA. Made in China.

Introduction

This manual describes the Ranger RFJ-4000AL Floor Jack assembly and operation. ***This manual is mandatory reading for all RFJ-4000AL Floor Jack users.***

Shipping Information

- This Floor Jack was carefully checked before shipping. Nevertheless, it should be thoroughly inspected before signing to acknowledge that it has been received.
- Signing the bill of lading tells the carrier that the items on the invoice were received in good condition. ***Do not sign the bill of lading until after the shipment has been inspected.*** 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 missing or damaged goods are discovered after receiving the shipment and the bill of lading has been signed, notify the carrier at once and request that the carrier perform an inspection. If the carrier will not perform an inspection, prepare a signed statement to the effect that the carrier has been notified (on a specific date) and that the carrier has failed to comply with the request.
- It is difficult to collect for loss or damage after giving the carrier a signed bill of lading. If this happens, file a claim with the carrier promptly. Support the claim with copies of the bill of lading, freight bill, invoice, and photographs, if available. Our willingness to assist in helping process the claim does not make us responsible for collection of claims or replacement of lost or damaged materials.

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.
- Damage to the equipment from external influences.
- Incorrect operation of the equipment.

Safety Information

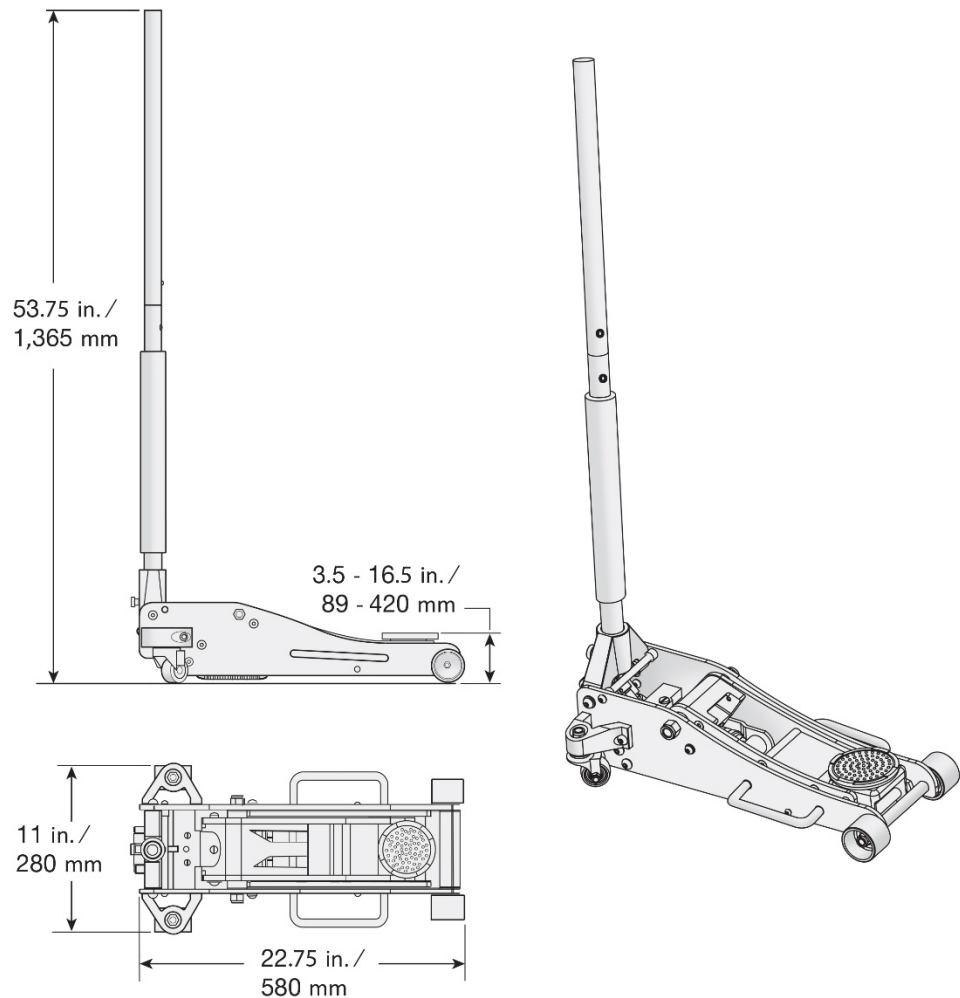
⚠ DANGER Be very careful when setting up, operating, maintaining, or repairing this equipment. Failure to do so could result in property or product damage, injury, or (in very rare cases) death. Make sure only **authorized** personnel operate this equipment. All repairs must be performed by an authorized technician. Make sure to read and follow the instructions on the labels on the unit.

Read this manual carefully before using the RFJ-4000AL Floor Jack. Do not use the product until all users are familiar with all operating instructions and warnings.

- The product is an Aluminum Racing Floor Jack. Use it only for its intended purpose.
- The Floor Jack **cannot** be used to hold a load on a *permanent* basis. Use the Floor Jack solely to raise or lower a vehicle. Before lifting, chock the wheels that will remain on the ground. Once raised, immediately place at least two suitable jack stands under the vehicle manufacturer's recommended lifting points.
- ONLY place the Floor Jack Saddle under vehicle manufacturer's recommended lifting points.
- No person should work on or place themselves under a vehicle that is supported only by a hydraulic Floor Jack. Always use jack stands to support the vehicle.

- The Floor Jack should only be operated by authorized and experienced personnel. Keep children and untrained personnel away from the product.
- When using the product, wear appropriate work clothes: steel-toed boots, leather gloves, and ANSI-approved safety goggles.
- **Do not make any modifications to the Floor Jack as this voids the warranty.**
- Make sure all operators read and understand the *Operation Manual*. Keep the manual near the device at all times.
- Make a visual inspection of the Floor Jack *before* using it. Do not use the Floor Jack if any missing or damaged parts, or leaking oil, are found. Instead, take the unit out of service, contact an authorized repair facility, the distributor, or Ranger Products at **(800) 253-2363**, then follow the prompts.

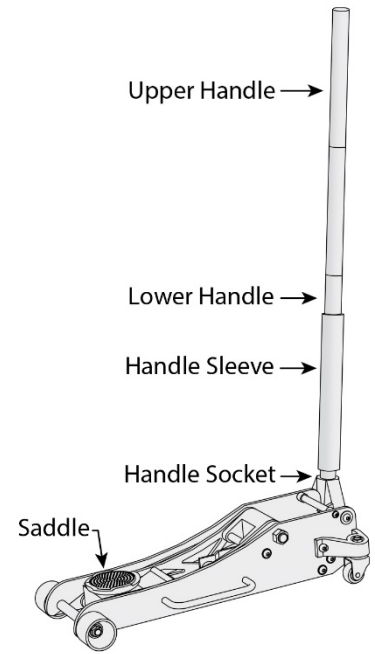
Specifications



Maximum Lifting Capacity	4,000 lbs. (1,814.4 kg)
Minimum Saddle Height	3.5 in. (89 mm)
Maximum Saddle Lift Height	16.5 in. (420 mm)
Overall Length	22.75 in. (580 mm)
Overall Width	11 in. (280 mm)
Overall Height	53.75 in. (1,365 mm)
Weight	44 lbs. (20 kg)

Assembly Instructions

1. Connect both the Upper and Lower Handles together by positioning (and latching) the spring-loaded button to the open hole.
2. Fully insert the assembled handle's grooved end into the Handle Socket and tighten the bolt at the base of the Handle Socket to secure.
3. Install the protective Handle Sleeve over the Lower Handle.
4. With the Handle turned fully counterclockwise, pump the Handle rapidly with 6-8 full strokes (without a load on the Jack). This will expel any air that may have entered the oil passages during transit. Use conventional hydraulic jack oil, if needed.
5. Close the Release Valve by twisting the Handle clockwise.



Operation

⚠ DANGER

DO NOT CRAWL UNDER A VEHICLE IF THE JACK STANDS ARE NOT PROPERLY IN PLACE

- When lifting a vehicle, keep the Saddle from contacting oil pans, hoses, exhaust parts, fuel tanks, driveshafts, wire harnesses, brake or fuel lines, etc.
- Completely close all doors before lifting the vehicle.
- Place the vehicle in park or first gear (manual transmission) and fully apply the parking brake.
- Chock the wheels that will remain on the ground.
- Do not raise a vehicle on surfaces that are not level.
- Do not use this Floor Jack on soft surfaces such as dirt, wood, gravel, sand, lawns, or in wet or icy conditions.
- If the vehicle is not stable when raised, carefully lower it back down to the ground.
- Keep the Floor Jack clean, dry, and secured in an indoor garage, shop, or other area away from harsh elements and unauthorized use.

⚠ DANGER

Prior to use, make sure the vehicle's actual weight does not exceed the Floor Jack's lifting capacity of 4,000 lbs. (1,814 kg). Ensure that the vehicle's transmission is in park (first gear if a manual transmission), the parking brake is fully engaged, and the tires are in contact with the ground and are blocked (chocked) from rolling toward prevailing slopes or angles. Make sure the vehicle will be evenly placed on the Floor Jack and at least two jack stands are placed and securely loaded under supporting frame structures before anyone enters any area under the raised vehicle. If these instructions are ignored, damage could be done to the vehicle and the Floor Jack, and anyone near the vehicle could be injured or killed. Falling vehicles do not give any warnings.

⚠ CAUTION

Before attempting to raise a vehicle, check the vehicle's service manual to locate the recommended lifting points.

⚠ CAUTION

The best place to raise a vehicle using a Floor Jack, and then support it with jack stands, is on level concrete away from common areas, pedestrians, and children.

Asphalt surfaces are not recommended in lieu of concrete as floor jacks, and particularly jack stands, can *sink into* asphalt, especially during warmer weather.

⚠ CAUTION

Keep hands and feet away from the Floor Jack's hinge mechanism.

To Raise a Vehicle:

1. Move the vehicle to a safe location that provides ample access to raise it and perform planned work.
2. Put the vehicle in park (or in first gear if a manual transmission), set the parking brake and **chock the wheels** that will remain on the ground at the fore and aft positions so they cannot roll.
3. Close the Floor Jack's release valve tightly by twisting the handle clockwise. **DO NOT OVERTIGHTEN.**
4. Position the Floor Jack under the vehicle so that the lifting Saddle will raise to contact the vehicle manufacturer's recommended lifting points (frame or chassis structure) firmly. The load must be centered so it will not slip, and the vehicle will not tip.
5. **Pump the Handle until the saddle approaches the lift point.** Once again, check to see that the Saddle is correctly positioned. Continue pumping the Handle to raise the vehicle to the desired height, while monitoring the vehicle for excessive leaning. If the vehicle is leaning excessively, lower it back to the ground and reposition the Saddle.
6. Once the Floor Jack has raised the vehicle adequately, place and adjust proper jack stands under the vehicle manufacturer's recommended lift points to provide stable support for the resting vehicle.
7. Once the jack stands are safely positioned, open the Floor Jack release valve **SLOWLY** (by twisting the Handle counterclockwise) to **carefully lower the vehicle onto the Jack Stands.**
8. Once the vehicle is supported, check the jack stand bases to ensure their feet rest in firm contact with the ground. Rock the vehicle's bumper (on suspended side) to the **ensure vehicle is stable.**

To Lower a Vehicle:

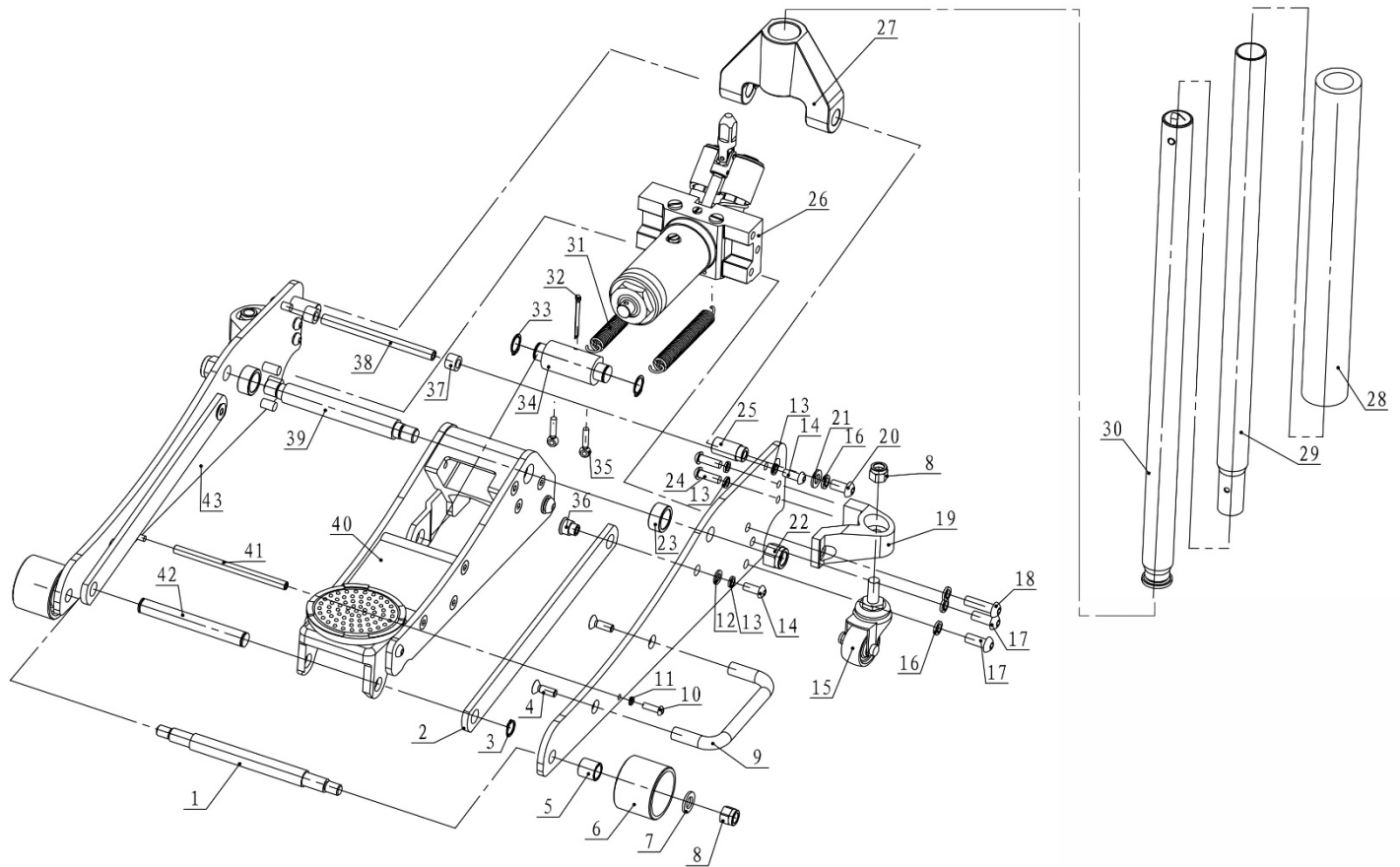
1. Make sure the Release Valve is tightly closed by twisting the Handle clockwise.
2. Position the floor Jack under the vehicle so that the lifting Saddle will raise to contact the manufacturer's recommended lifting points (frame or chassis structure) firmly, the load will be centered so it cannot slip, and the vehicle will not tip.
3. Pump the Floor Jack's Handle until the vehicle is raised enough to safely remove the jack stands.
4. Remove the jack stands and move them away from vehicle.
5. Slowly turn the Floor Jack's Handle counterclockwise to allow the vehicle to lower to the ground.
6. Move the Floor Jack away from the vehicle.

Maintenance

When adding or replacing hydraulic fluid, always use conventional hydraulic Jack oil. **DO NOT** use brake fluid, detergent motor oil, or any other fluid. Improper fluids can cause internal damage or unsafe operation. If needed, add conventional hydraulic Jack oil with the Floor Jack fully lowered, on level ground, and the filler screw (rear of the Floor Jack) removed. Hydraulic jack oil should be filled to the bottom level of the filler screw hole. All pivot points and wheels require spray lubricant periodically. Also remove the Handle and spray the lower end where it rotates in the Handle socket, as well as all lift arm linkages.

⚠ DANGER **Do Not Crawl Under the Vehicle While Lifting or Removing the Floor Jack Stands!** Once the jack stands are removed, check that no part of any person is underneath the vehicle. To lower the vehicle, open the release valve by slowly turning the Handle counterclockwise. Lower the Jack completely so that the vehicle is securely resting on the ground and that the Jack is no longer in contact with the vehicle.

RFJ-4000AL Parts List & Assembly Diagram



No.	Description	Qty.
1	Axle	1
2	Linkage Rod	2
3	Retaining Ring	2
4	Screw	2
5	Spacer Sleeve	2
6	Front Wheel	2
7	Washer	2
8	Nut	4
9	Handle	1
10	Screw	4
11	Spring Washer	2
12	Washer	2
13	Spring Washer	8
14	Screw	4
15	Rear Caster	2

No.	Description	Qty.
16	Spring Washer	8
17	Screw	4
18	Screw	2
19	Rear Caster Saddle	2
20	Screw	2
21	Washer	2
22	Nut	2
23	Spacer Sleeve	2
24	Screw	4
25	Handle Socket Axle	2
26	Power Unit	1
27	Handle Socket Assembly	1
28	Handle Sleeve	1
29	Handle (Upper)	1
30	Handle (Lower)	1

No.	Description	Qty.
31	Spring	2
32	Elastic Pin	1
33	Retaining Ring	2
34	Block Linkage	1
35	Eye Bolt	2
36	Connecting Rod Pin	2
37	Rubber Sleeve	2
38	Handle Socket Rod	1
39	Shaft	1
40	Lift Arm	1
41	Limit Axle	1
42	Saddle Base Axle	1
43	Side Plate	1

Ranger®

30440 Agoura Road
Agoura Hills, CA 91301 USA
Toll Free: (800) 253-2363
Tel: (805) 933-9970
rangerproducts.com