



1645 Lemonwood Dr.
Santa Paula, CA 93060 USA
Toll Free: 1 (800) 253-2363
Tel: 1 (805) 933-9970
rangerproducts.com

Long-Frame Floor Jack

Installation and Operation Manual

Manual P/N 5900074 — Manual Revision B — August 2018

Model:

- RFJ-10TL



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 this manual near the product for future reference. By proceeding with operation, you agree that you fully understand the contents of this manual.

Manual. BendPak Ranger Long-Frame Floor Jack, *Installation and Operation Manual*, Manual P/N 5900074, Manual Revision B, Released August 2018.

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Limitations. Every effort has been made to ensure complete and accurate instructions are included 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 and to register your new BendPak Ranger product, contact your nearest BendPak Ranger dealer or visit www.bendpak.com/support/warranty.

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 RFJ-10TL Long Frame Floor Jack, a long-chassis garage floor jack that can raise up to 20,000 lbs. (9,072 kg, 10 tons) over 23 inches (584 mm) high.

More information about the full line of Ranger Products is available at rangerproducts.com.

This manual is mandatory reading for all users of the RFJ-10TL, including anyone who sets up, operates, maintains, or repairs it.

Keep this manual on or near the equipment so that anyone who uses or services it can read it.

Technical support and service for your Jack is available directly from your distributor or by calling **Ranger Products at (805) 933-9970**. You may also call for consultation on parts replacement (please have the serial number and model number of your unit available).

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.

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 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 operating instructions and warnings.

Safety Information

Please note the following:

- The product is a floor jack. **Use it only for its intended purpose.**
- The product must only be used on a hard, dry, flat surface.
- The product should only be operated by authorized personnel.
- When the product is in use, keep all body parts away from it.
- Do not use the product while tired or under the influence of drugs, alcohol, or medication.
- Do not make any modifications to the product.
- Make sure all operators read and understand the *Installation and Operation Manual*. Keep the manual near the device at all times.
- Make a visual inspection of the product before using it. Do not use the product if you find any missing or damaged parts. Instead, contact an authorized repair facility, your distributor, or **Ranger Products at (805) 933-9970.**

Symbols

Following are the symbols 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.



Tip

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

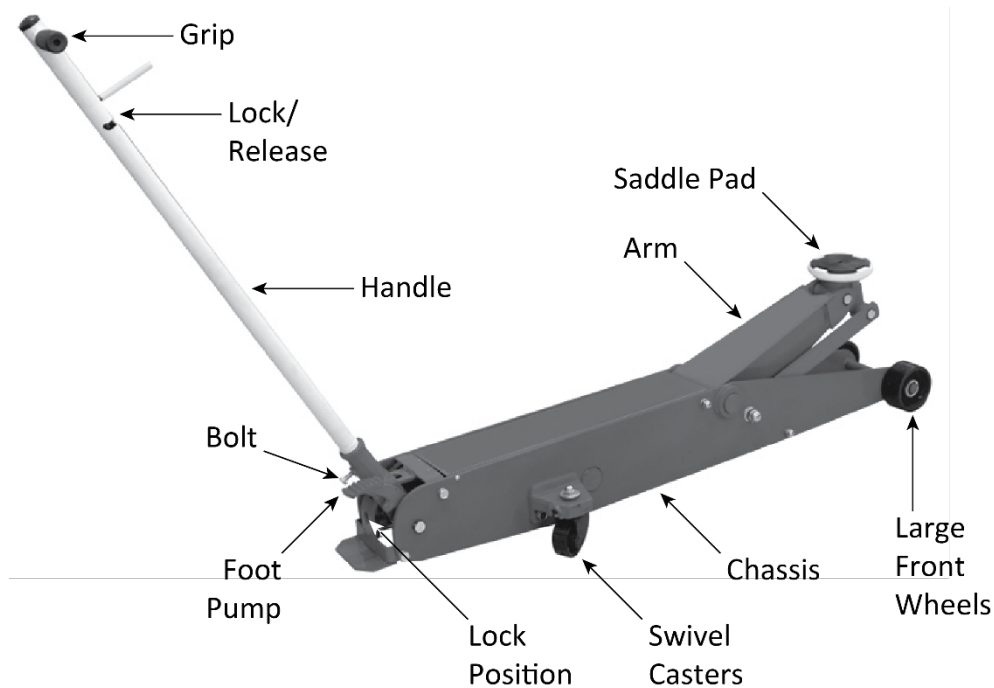
Liability Information

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

- Use of the product for purposes other than those described in this manual.
- Modifications to the product without prior, written permission from BendPak Ranger.
- Damage to the product from external influences.
- Incorrect operation of the product.

Components

The following figure shows the major components of the Jack.



The major components of the Jack include:

- **Handle:** Can be used to pump the Jack. Comes uninstalled; you need to install it (and bolt it into position) before you start using the Jack.
- **Grip:** Gives you control over the Handle; very useful when pulling and pushing the Jack.
- **Arm:** Raises and lowers, holds the Saddle Pad.
- **Chassis:** The main body of the Jack. The Hydraulic Cylinder is inside.
- **Saddle Pad:** Contacts the Lifting Point of the Vehicle you are raising.
- **Wheels:** Let you easily move the Jack; the rear wheels are Swivel Casters for easy movement.
- **Lock/Release:** The normal position lets you use the Handle to raise the Jack. The up and over position locks the Jack at a specific height. The side position lets you gently lower the Jack to the ground.
- **Lock Positions:** Lets you lock the Handle at a different angle; good for towing.
- **Foot Pump:** Lets you pump the Jack using your feet.
- **Bolt:** Locks the Handle in position.

Specifications

Lifting Capacity	20,000 lbs / 10 tons / 9,072 kg
Lowered Pad Height	7" / 176 mm
Maximum Raised Pad Height	23" / 584 mm
Front Chassis Width	13" / 330 mm
Rear Chassis Width	18" / 457 mm
Chassis Length	61" / 1,549 mm
Shipping Weight	479 lbs / 217 kg

Setup

The Jack comes mostly assembled.

To set up your Jack:

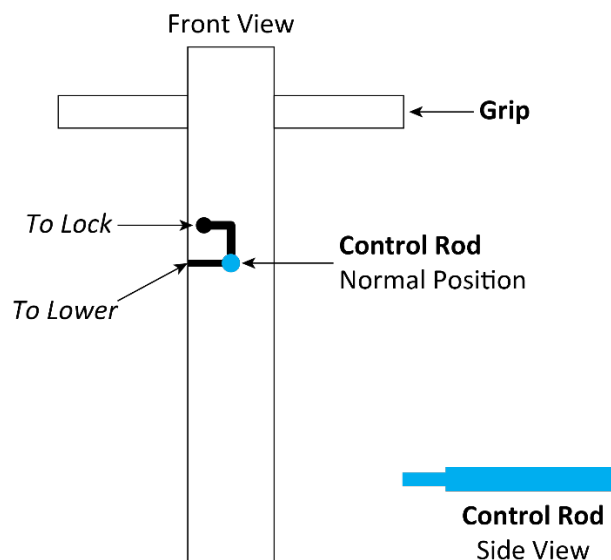
1. Remove the Jack from the packaging.
2. Put the Handle into the Handle Sleeve.
3. Tighten the Bolt at the bottom of the Handle Sleeve.

Operation

This section describes how to use the Jack to raise and lower a Vehicle.

⚠ WARNING Only use the Jack on a hard, flat, dry surface. Only lift one side or end at a time. Make sure the Vehicle does not have any people in it.

The following drawing shows the Lock/Release mechanism.



To raise a Vehicle:

1. Move the Vehicle to the desired location.
2. Put the Vehicle into park, put on the parking brake, and turn off the motor.
If the Vehicle is a manual transmission, put it in a gear, not in neutral.
3. Block the tires on the opposite side from the side or end being lifted.
4. Position the Jack under the Vehicle, with the Saddle Pad under a manufacturer's recommended Lifting Point.
5. With the Control Rod in the Normal Position, pump the Handle up and down or step on the Foot Pump to raise the Saddle Pad.
6. Raise the Vehicle slightly higher than the height of the Jack Stands you are going to use to support the Vehicle.
Refer to bendpak.com/shop-equipment/jack-stands/ for more information about BendPak Ranger Jack Stands.
7. Move the Control Rod to the Lock Position.
8. Place the Jack Stands under the Vehicle at the manufacturer's recommended Lifting Points.

 **WARNING** You must support the Vehicle using Jack Stands. **The Jack is not designed to maintain heavy loads for long periods of time.** Do *not* put Jack Stands under both ends of a vehicle at the same time.

9. When the Vehicle is **secure** on the Jack Stands, move the Control Rod to the Lowering Position, lower it, then move the Jack out of the way.

To lower a Vehicle:

1. Position the Jack under the Vehicle, with the Saddle Pad under a manufacturer's recommended Lifting Point.
2. With the Control Rod in the Normal Position, pump the Handle up and down or step on the Foot Pump to raise the Saddle Pad so that the Vehicle comes off of the Jack Stand.
3. Move the Control Rod to the Lock Position.
4. Remove the Jack Stands from under the Vehicle.
Make sure there is nothing else under the Vehicle. If there is, move it out of the way.
5. Move the Control Rod to the Lowering Position.
6. When the Vehicle is securely on the ground, move the Jack out from under it.

Maintenance

This section describes how to maintain your Jack.

To maintain your Jack:

- **Storing.** Store your Jack in the fully lowered position; this helps to protect it from corrosion.
- **Daily.** Keep the Jack clean. Dirt, rust, and so on can cause slow movement or rapid jerks, both of which damage internal components. Make sure all labels are in place and visible.
- **Weekly.** Inspect the Jack for cracked welds, hydraulic fluid leaks, and missing or damaged parts.
- **Monthly.** Lubricate the Jack with light oil.
- **Monthly.** Check the Hydraulic Fluid level. Fill as necessary.
- **Every three months.** Fully clean and lubricate the Jack.

Air can make its way into the closed Hydraulic System during shipment or after use, which can slow the speed of the Jack or make it feel “spongy”. Excess air should be removed.

To remove air from the Hydraulic System:

1. Make sure there is no load on the Jack.
2. Pump the Handle or step on the Foot Pump multiple times to get the Jack to its highest position.
3. Lower the Jack back down to the ground

The Jack should go down in a smooth motion.

4. If the Jack does **not** go down in a smooth motion, repeat Steps 2 and 3.

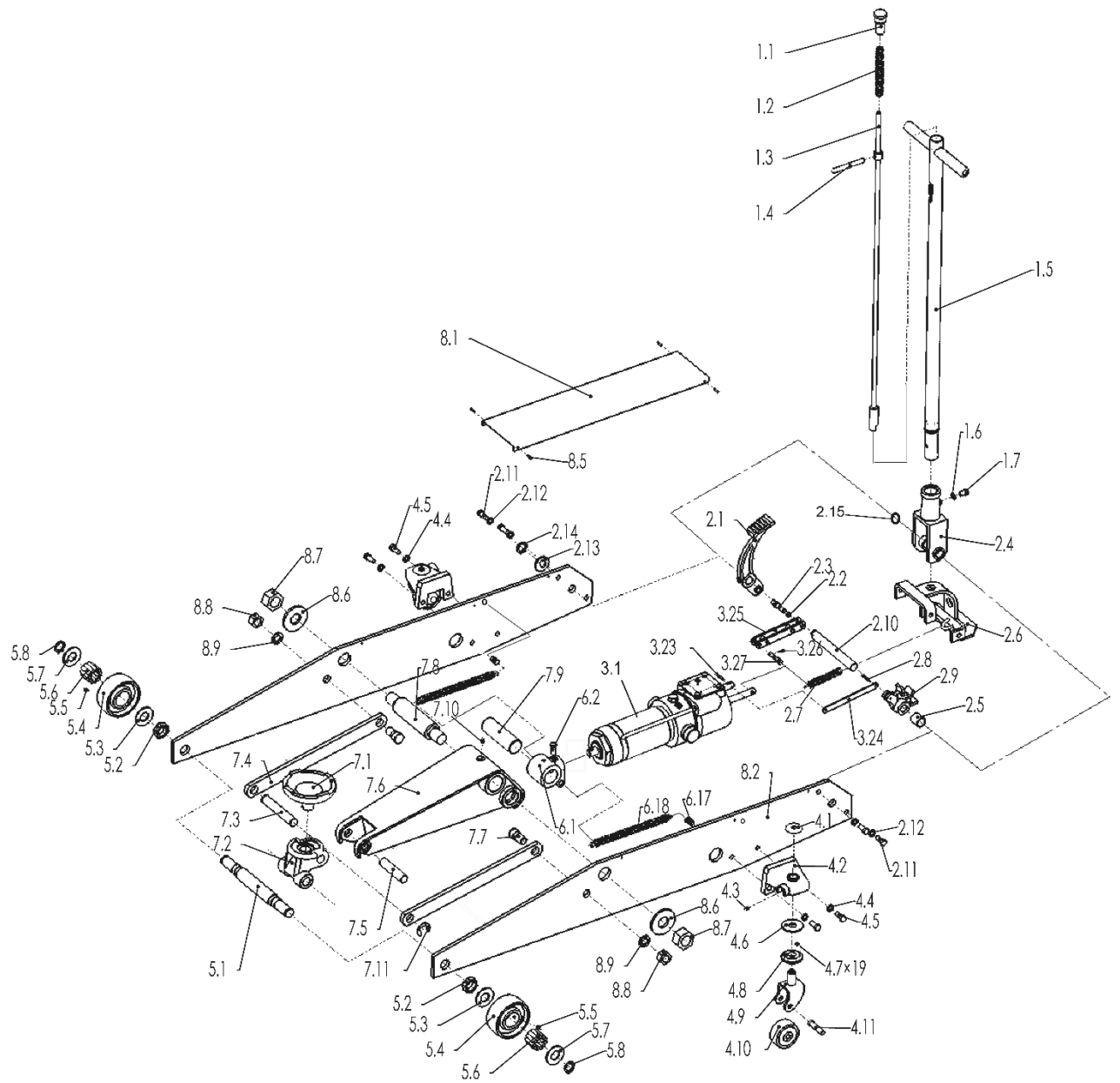
If the Jack continues to work abnormally, refer to **Troubleshooting** for additional information.

Troubleshooting

Issue	Action to Take
Jack does not lift to full height.	Make sure the load does not exceed the capabilities of the jack. Check Hydraulic Fluid level; top off if low.
Jack does not hold load.	Check for leaks in the Hydraulic System; fix them if found. Add additional Hydraulic Fluid if necessary.
Jack does not lower.	Remove air from the Hydraulic System. Check Hydraulic Fluid level; top off if low.
Jack feels “spongy” when lifting.	Remove air from the Hydraulic System.

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

Parts Breakdown



Num	Description	Qty
1.1	Cap	1
1.2	Compression spring	1
1.3	Deflector rod	1
1.4	Screw rod	1
1.5	Handle	1
1.6	Washer	1
1.7	Fastening screw	1
2.1	Foot pedal	1
2.2	Wire	1
2.3	Pin	1
2.4	Fork member	1
2.5	Bush	1
2.6	Base	1
2.7	Spring	1
2.8	Pin	1
2.9	Cap	1
2.10	Shaft	1
2.11	Screw	4
2.12	Washer	4
2.13	Washer	1
2.14	Clamp ring	1
2.15	Bush	1
3.1	Power unit	1
3.23	Cotter pin	1
3.24	Connecting rod	1

Num	Description	Qty
3.25	Drying brush	1
3.26	Cotter pin	1
3.27	Pin	1
4.1	Cover	2
4.2	Wheel cover	2
4.3	Grease fitting	2
4.4	Washer	4
4.5	Screw	4
4.6	Bearing cover	2
4.7	Steel ball	44
4.8	Bearing holder	2
4.9	Bearing holder	2
4.10	Wheel	2
4.11	Rivet	2
5.1	Axle	1
5.2	Nut	2
5.3	Stop ring	2
5.4	Wheel	2
5.5	Grease fitting	2
5.6	Roller	26
5.7	Stop ring	2
5.8	Split ring	2
6.1	Joint	1
6.2	Screw	1

6.17	Screw	2
6.18	Spring	2
7.1	Saddle	1
7.2	Saddle carrier	1
7.3	Axle	1
7.4	Level supporting rod	2
7.5	Axle	1
7.6	Rocker	1
7.7	Bolt	2
7.8	Axle	1
7.9	Axle	1
7.10	Grease fitting	1
7.11	Split ring	2
8.1	Cover plate	1
8.2	Side plate	2
8.5	Screw	4
8.6	Washer	2
8.7	Nut	2
8.8	Nut	2
8.9	Washer	2



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