

## Vehicle Dolly

# Installation and Operation Manual

Manual P/N 5900932 — Manual Revision B1 — November 2024

Model:

- RCD-2V



## 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 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 Vehicle Dolly, *Installation and Operation Manual*, Manual P/N 5900932, Manual Revision B1, Released November 2024.

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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](http://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](http://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 RCD-2V Vehicle Dolly, engineered to allow disabled or wheel-less Vehicles to be easily moved around. It features large swiveling casters that provide easy mobility, even across uneven floors, air hoses, and other obstructions.

More information about the full line of Ranger Products is available at [rangerproducts.com](https://www.rangerproducts.com).

**This manual is mandatory reading for all users** of the RCD-2V, 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 equipment 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 Vehicle Dolly. **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 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.
-  **Tip** Calls attention to information that can help you use your unit better.

## Liability Information

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

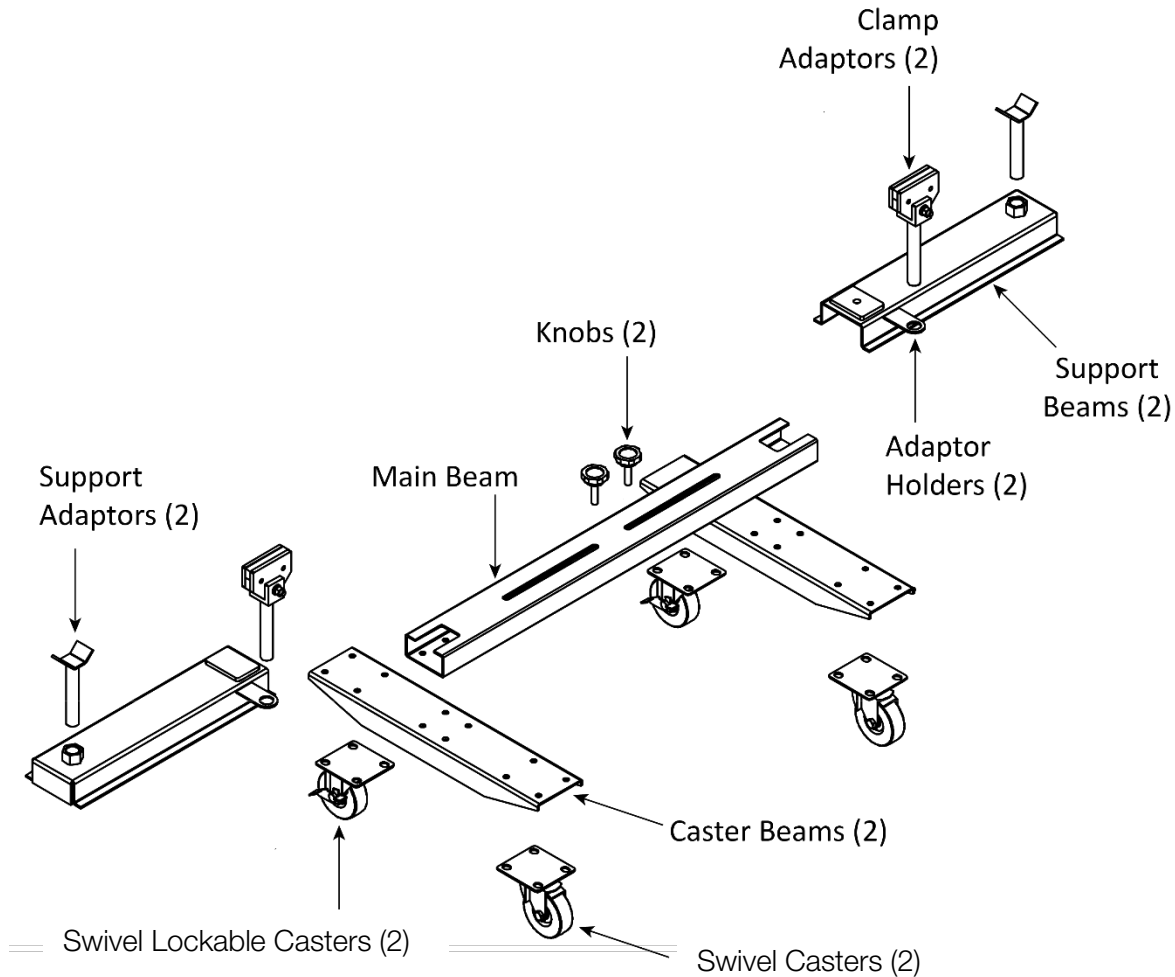
- Use of the product for purposes other than those described in this manual.
- Modifications to the product without prior, written permission from BendPak Ranger.
- Damage to the product from external influences.
- Incorrect operation of the product.

## Specifications

Lifting Capacity	4,400 lbs / 2+ tons (1,996 kg)
Overall Height	10" (254 mm)
Width Adjust	40.75" – 59" (1,035 mm – 1,499 mm)
Caster Size	4.5" (114 mm)
Shipping Weight	479 lbs (217 kg)
Shipping Dimensions	85" x 10" x 10" (2,159 mm x 254 mm x 254 mm)

# Components

The following drawing shows and identifies the major components of the Dolly.



The major components of the Dolly include:

- **Main Beam:** Holds the Dolly together. The two Caster Beams connect underneath it, the two Support Beams are movable on top of it.
- **Knobs:** Hold the Support Beams in place once you get them to the right position for the weight the Dolly is supporting.
- **Support Beams:** Are movable so that objects of many sizes can be supported. Supports Adaptors on each end; either Support Adaptors or Clamp Adaptors, depending on need.
- **Caster Beams:** Attach to the bottom of the Main Beam. The Casters (two regular, two lockable, four total) attach to the underside.
- **Castors:** The Wheels that make the Dolly mobile. Two are regular swivel casters, two are lockable swivel casters. *Always* lock the Dolly in place for loading and when reaching your destination.
- **Support Adaptors:** To support a load, adjust the Support Adaptors so that they are holding the load on its Lifting Points.
- **Clamp Adaptors:** Also can be used to support a load, they hold by clamping the load.
- **Adaptor Holders:** Hold the Adaptors not currently being used.


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# Setup

## To set up your Dolly:

1. Connect the four Casters to the bottoms of the Caster Beams. Make sure the two Lockable Casters are on the same side.
2. Connect the two Caster Beams to the bottom of the Main Beam.
3. Put the two Support Beams on top of the Main Beam, then put the two Knobs into position.
4. Put either the Clamp Adapters or the Support Adaptors into place on the ends of the Support Beams, then put the other Adaptors into the Adaptor Holders.

# Operation

 **WARNING** Only use the Dolly 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 and the engine is off.

## To move a Vehicle:

1. Move the Dolly to the Vehicle you want to move; lock the Lockable Casters.
2. Make sure the Vehicle is in neutral, the parking brake is off, and the engine is off.
3. Pick the Adaptors you want to use (Clamp or Support), put them into place on the Support Beams, and then adjust the Support Beams to the proper width.

If you are using Support Adaptors, they should be under the manufacturer's recommended Lifting Points of the Vehicle. If you are using Clamp Adaptors, tighten them at appropriate locations.

4. Make sure there are no obstacles around the Vehicle or in the direction you are moving.
5. Roll the Dolly and the Vehicle to the desired location; lock the Lockable Casters.

# Maintenance

## To maintain your Dolly:

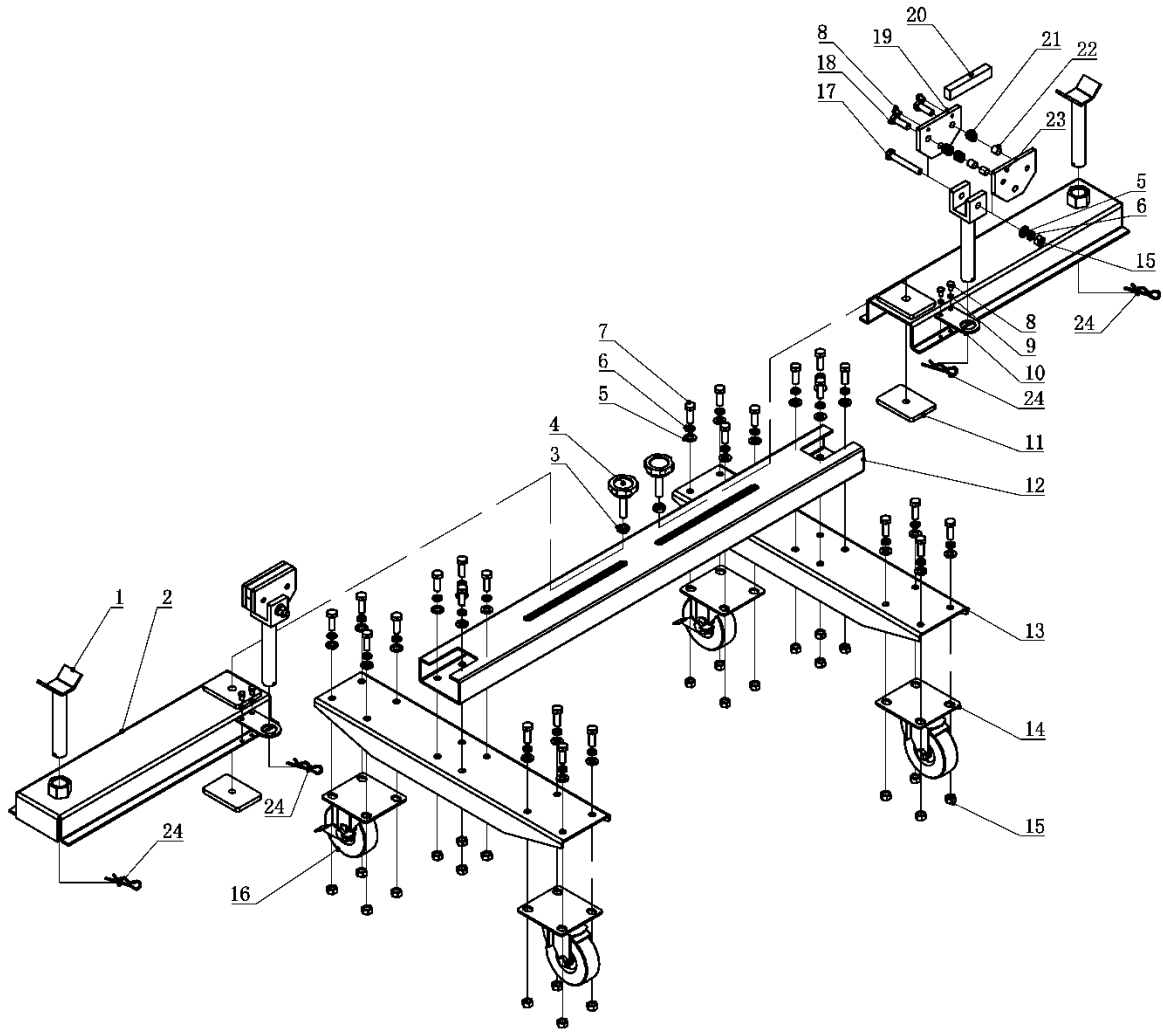
- **Daily.** Keep the Dolly clean. Make sure all labels are in place and visible.
- **Weekly.** Lubricate Dolly linkage and moving joints with chassis grease or motor oil.
- **Storing.** Store the Dolly in a cool, dry, well-ventilated, moisture-free location.

# Troubleshooting

Issue	Action to Take
Dolly does not roll.	Make sure the load is <i>not</i> too heavy. Make sure the Casters are unlocked, and are moving freely.

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

# Parts Breakdown



Num	Description	Qty
1	Support Adaptor	2
2	Support Beam	2
3	Nut M12	2
4	Knob	2
5	Washer M10	26
6	Spring Washer M10	26
7	Bolt M10 x 25	24
8	Bolt M6 x 10	4
9	Spring Washer M6	4
10	Adaptor Base	2
11	Block	2
12	Main Beam	1

Num	Description	Qty
13	Support Beam	2
14	Swivel Caster	2
15	Nut M10	26
16	Swivel Lockable Caster	2
17	Bolt M10 x 70	2
18	Bolt M10 x 30	4
19	Side Board 2	2
20	Rubber	2
21	Spring	6
22	Busher	6
23	Side Board 1	2
24	R Pin	4

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