

GoCart™ Rolling Car Dollies

Setup and Operation Manual

Manual P/N 5900207 — Manual Revision B — September 2021

Models:

- RCD-1500
- RCD-1500EX



Model RCD-1500EX shown.

Designed and engineered by BendPak Inc. in Southern California, USA. Made in China.



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 setup and operation, you agree that you fully understand the contents of this manual and assume full responsibility for product use.***

Manual. RCD-1500, and RCD-1500EX Rolling Car Dollies, *Setup and Operation Manual*, Manual P/N 5900207, Manual Revision B, Released September 2021.

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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 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 installation, 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.
- 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!**

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Introduction

This manual describes these models:

- **RCD-1500:** GoCart™ Car Dollies, also referred to as Vehicle Positioning Jacks, supports up to 1,500 lbs. each.
- **RCD-1500EX:** GoCart™ Car Dollies, also referred to as Vehicle Positioning Jacks, Extended-length is ideal for larger, wider Tires, supports up to 1,500 lbs. each.

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

This manual is mandatory reading for all GoCart Car Dollies users.

 **DANGER** Be very careful when setting up, operating, maintaining, or repairing this 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. 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 them can read it.

Technical support is available by calling Ranger Products at **(800) 253-2363**.

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 use the product until you are familiar with all operating instructions and warnings. Do not allow anyone else to use the product until they are also familiar with all operating instructions and warnings.

 **WARNING** **California Proposition 65.** This product can expose you 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's instructions. For more information go to www.P65Warnings.ca.gov.

Safety Information

Please note the following:

- The RCD-1500 and RCD-1500EX are Car Dollies, Vehicle Positioning Jacks. **Use them only for their intended purpose.**
- The Positioning Jacks **cannot** be used to hold a load on a *permanent* basis. Use them to hold a Vehicle, perform the desired work, then immediately lower the Vehicle back down to the ground.
- The product should only be operated by authorized personnel. Keep children and untrained personnel away from the product.
- When using the product, wear appropriate work clothes, steel toed boots and ANSI-approved safety goggles.
- **Do not make any modifications to the product; this voids your warranty.**
- 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, take the unit out of service, then contact an authorized repair facility, your distributor, or Ranger Products at **(800) 253-2363**.

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.

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.

Specifications

Model	RCD-1500	RCD-1500EX
Holding capacity	1,500 lbs. / 680 kg	1,500 lbs. / 680 kg
Load Rating Total	6,000 lbs. / 2,722 kg	6,000 lbs. / 2,722 kg
Tire Width Capacity	12" / 305 mm	13" / 330 mm
Tire Diameter Capacity	15 – 28" / 381 – 711 mm	19 – 37" / 483 – 940 mm
Overall Height	6" / 152 mm	6" / 152 mm
Casters Diameter	4" / 102 mm	4" / 102 mm
Stowed Dimension	21" x 24" / 533 mm x 610 mm	25" x 26" / 635 mm x 660mm

Setup

This section describes how to prepare your Positioning Jacks for use.

Note: Setup information applies to both models.

To setup your Car Dollies (Positioning Jacks):

1. Remove the Positioning Jacks from the packaging.
2. Perform the Bleeding Procedure detailed below. Air may have become trapped in the Hydraulic System during shipment or storage. Air in the Hydraulic System may make the Pedal feel “Spongy” or prevent the Positioning Jack from lifting the load.

Bleeding Procedure:

- Open the Release Valve by turning it counterclockwise. Do **not** turn the Release Valve counterclockwise more than two full turns. Hydraulic Fluid will leak from the Positioning Jack.
 - Pull the Rollers apart to the fully open position.
 - Carefully remove the Foot Pedal Stow Hook (the Pedal is Spring-loaded) and pump the Foot Pedal at least five full strokes.
 - Close the Release Valve.
3. Your Positioning Jacks are ready to use.

Review Final Checklist before Operation

- A visual inspection should be made prior to each use of the Positioning Jacks. The inspection should check for abnormal conditions such as cracked welds, damaged or loose and missing parts or wear.
- Any product that is found to be damaged or operates in an abnormal manner, **must** be removed from service immediately.
- Any product that operates abnormally **must** be removed from service until repaired by a qualified repair service center.
- If the product is accidentally subjected to an abnormal load or shock, it **must** be taken out of service immediately and be inspected by a qualified service center.

 **WARNING** Do **not** exceed the rated capacity of 1,500 lbs / 680 kg for each Positioning Jack. Overloading can cause damage to, or failure of the Positioning Jack.

 **WARNING** Do **not** operate the Positioning Jack on inclined surfaces! The Vehicle Positioning Jacks are designed for use only on hard level surfaces. Use of the Jacks on other than hard level surfaces can result in instability of the Jack and possible loss of the Load on the Positioning Jack.

 **WARNING** Keep hands and feet clear of all Pinch Points.

 **WARNING** Failure to heed these warnings may result in loss of Load, damage to the Positioning Jacks, and/or failure resulting in property damage, personal or fatal injury.

 **WARNING** Because of the potential hazards associated with lifting and moving vehicles, alterations shall **not** be made to the product.

 **WARNING** The Positioning Jacks are to be operated by properly trained personnel only. Operation by untrained personnel may result in injury and/or property damage.

 **WARNING** The Vehicle Positioning Jacks allow a Vehicle to be moved easily. Be aware that sloped surfaces and uneven loading may result in unanticipated movement of the Vehicle as soon as the Vehicle Tires are free from the floor surface.

 **WARNING** The Positioning Jacks cannot be used to hold a load on a permanent basis. Use them to hold a Vehicle, perform the desired work, then immediately lower the Vehicle back to the ground.

 **WARNING** Do **not** attempt to push the Positioning Jacks over obstacles. They are designed to be used on level and smooth surfaces only.

Operation

To raise the Positioning Jack to support a Vehicle:

1. Drive the Vehicle to the desired location, set the parking brake, put the Vehicle in Park or in first gear, if it has a manual transmission.
2. Remove the Lock Pin from the Frame.
3. Open the Release Valve by turning the Release Valve Knob counterclockwise.

 **CAUTION** Do **not** turn the Release Valve counterclockwise more than two full turns. Hydraulic Fluid will leak from the Positioning Jack.

4. Expand the Positioning Jack by pulling the Rollers apart. The Rollers should be wide enough to straddle the Tire.
5. Position the Positioning Jack so that both Rollers contact the Tire Tread. Verify there is at least .75" clearance between the Tire and the Frame of the Positioning Jack, as well as full contact of the Tire to the Rollers. This assures the Tire will contact the Rollers and not the Frame of the Dolly as it is raised.
6. Close the Release Valve by turning the Release Knob clockwise until finger tight. Do **not** over-tighten the Release Valve.
7. Operate the Foot Pedal to lift the Tire until it just clears the floor.
8. Check the Vehicle for stability.

If the Vehicle is **not** stable, slowly open the Release Valve and carefully lower the Vehicle back down to the ground and reposition the Positioning Jack.

9. When the Lift is complete and the Vehicle is stable, place the Lock Pin in the Hole closest to the Extension Rod Frame.
10. Use the Stow Hook to secure the Foot Pedal in the down position.
11. Repeat for the remaining Positioning Jacks.

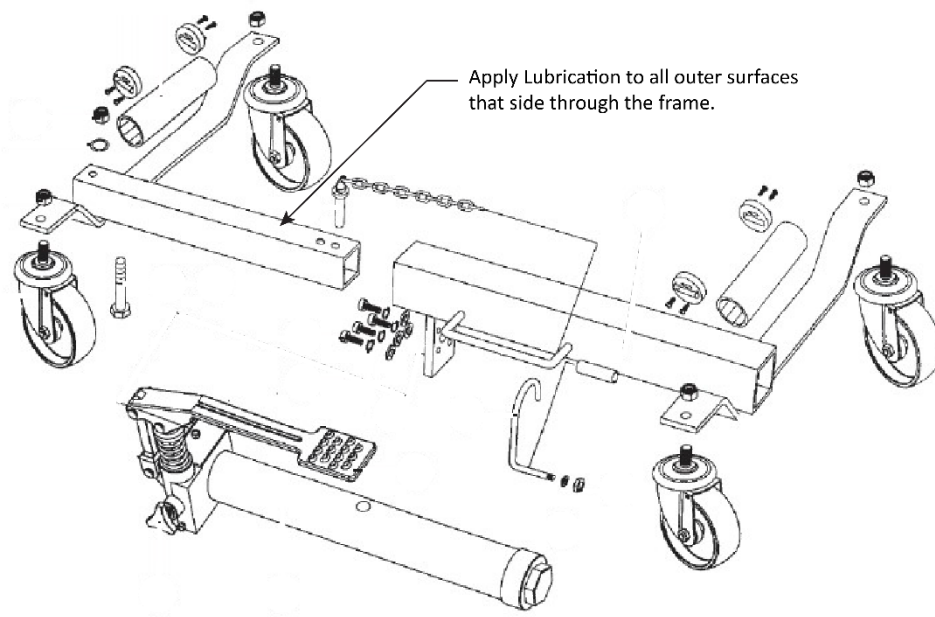
To lower the Positioning Jack:

1. Verify that it is safe to lower the Vehicle. Verify that no personnel are near the Vehicle, no tools, equipment or other unsafe conditions are present underneath the Vehicle.
2. Remove the Lock Pin. If the Lock Pin is wedged in the Jack Frame, carefully remove the Foot Pedal Stow Hook (the Pedal is Spring-loaded) and operate the Pedal enough to relieve the pressure on the Lock Pin.
3. Slowly open the Release Valve by turning it counterclockwise until the Tire rests on the Floor.
4. Carefully remove the Car Dolly Jack from the Tire and store it.

Maintenance

Make sure your Positioning Jacks are maintained on a regular basis. Dirt is the single greatest cause of failure in Hydraulic Systems. Keep the Positioning Jacks clean and well lubricated to prevent foreign matter from entering the system. If the Dollies have been exposed to rain or snow, sand, or grit they must be cleaned and dried before use.

- **Daily:** Keep the Car Dollies clean and dry; if they get dirty or wet, clean them.
- **Daily:** Any product that operates abnormally shall be removed from service until repaired by a qualified repair service center. Inspect for:
 - Cracked or damaged Housing or Frame components.
 - Malfunctioning Swivel Heads or Adjusting Screws.
 - Excessive wear, bending, or other damage.
 - Loose Hardware.
 - Leaking Hydraulic Fluid.
 - Modified or altered equipment.
 - Scored or damaged Piston Rod.
- **Daily:** If the product is accidentally subjected to an abnormal load or shock, it must be taken out of service immediately and be inspected by a qualified service center.
- **Monthly:** Lubricate the outer sides of the Left Frame that slides through the Right Frame with White Lithium Grease.



- **Monthly:** Perform the Bleed Procedure detailed below.
 - Open the Release Valve by turning it counterclockwise.
 - Pull the Rollers apart to the fully open position.
 - Pump the Foot Pedal at least five full strokes.
 - Close the Release Valve.
- **Annually:** An annual inspection is to be performed on the Car Dollies and any damaged, or worn parts or labels are to be replaced with the manufacturer's specified parts.

- **Annually:** Replace the Hydraulic Oil in the reservoir.

- **Oil change procedure:**

- Check the Oil, place the Dolly on level ground and expand the Rollers apart.
- Remove the Oil Filler Plug. The plug is on the far side of the cylinder. See figure below. The Oil level should be filled to the bottom of the Filler Plug Hole.
- Add approved Anti-Wear Hydraulic Jack Oil as required, and secure the Oil Filler Plug.

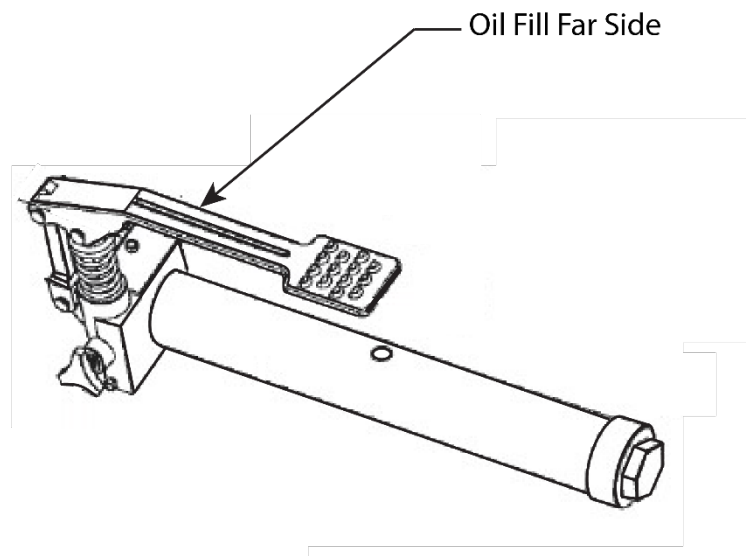
⚠ WARNING

Use Anti-Wear Hydraulic Jack Oil only. The use of Alcohol, Hydraulic Brake Fluid, Detergent Motor Oil, or Transmission Fluid could damage the internal Seals and result in Positioning Jack failure.

- Perform the bleeding procedure below.

- **Bleeding procedure:**

- Open the Release Valve by turning it counterclockwise. Do **not** turn the Release Valve counterclockwise more than two full turns. Hydraulic Fluid will leak from the Positioning Jack.
- Pull the Rollers apart to the fully open position.
- Carefully remove the Foot Pedal Stow Hook (the Pedal is Spring-loaded) and pump the Foot Pedal at least five full strokes.
- Close the Release Valve.
- The Positioning Jack is ready to use.



If you continue to have problems with your equipment, take the equipment out of service, then contact your dealer, visit bendpak.com/support, email support@bendpak.com, or call **(800) 253-2363**, extension 196.

Troubleshooting

CAUTION

Repair procedures must be accomplished in a dirt-free environment by qualified personnel who are familiar with this equipment.

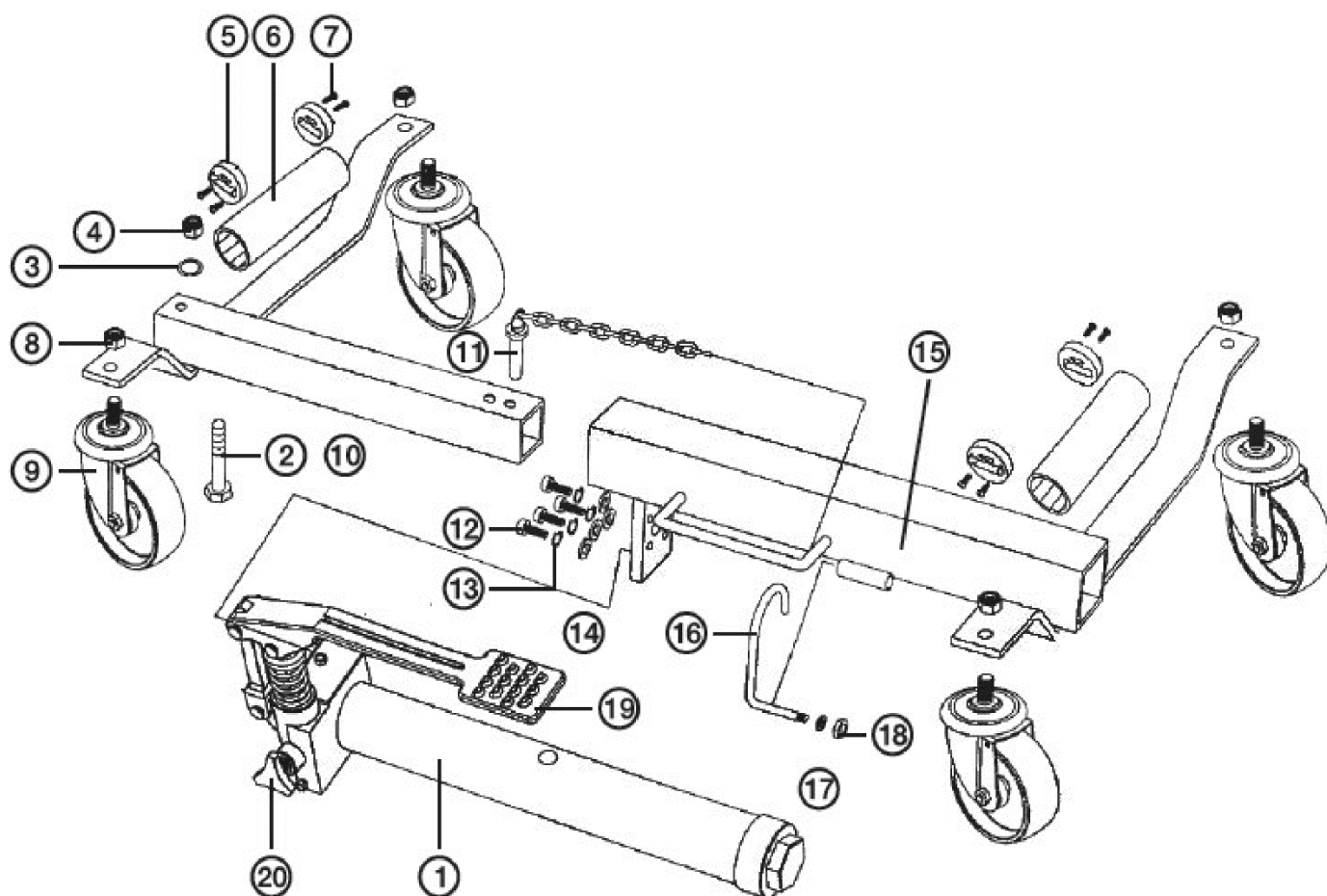
WARNING

To prevent injury, perform maintenance, and repair procedures when the Positioning Jacks are free of a load.

Trouble	Cause	Solution
Positioning Jack does not lift	1. Release Valve is open. 2. Low/no Oil in Reservoir. 3. Air-locked system. 4. Load is above the maximum capacity of the Dolly. 5. Delivery Valve and/or bypass valve is not functioning correctly. 6. Cylinder packing worn or defective.	1. Close Release valve. 2. Fill with Oil and bleed system. 3. Bleed system. 4. Use correct equipment. 5. Clean or remove dirt or foreign matter. Replace Oil. 6. Replace Hydraulic unit.
Positioning Jack lifts only partially	1. Not enough Oil.	1. Check Oil level.
Positioning Jack advances slowly	1. Pump not working correctly. 2. Leaking Seals.	1. Replace Hydraulic Unit.
Positioning Jack lifts load but doesn't hold	1. Cylinder Packing is leaking. 2. Valve not working correctly (suction, delivery, release, or bypass). 3. Air-locked system.	1. Replace Hydraulic unit. 2. Inspect valves. Clean and repair seat surfaces. 3. Bleed system.
Positioning Jack leaks Oil	1. Worn or damaged Seals.	1. Replace Hydraulic Seals.
Positioning Jack does not retract	1. Release Valve is closed.	1. Open or clean release Valve.
Positioning Jack retracts slowly	1. Cylinder is damaged internally. 2. Link section is binding.	1. Replace Hydraulic unit. 2. Lubricate Link section.

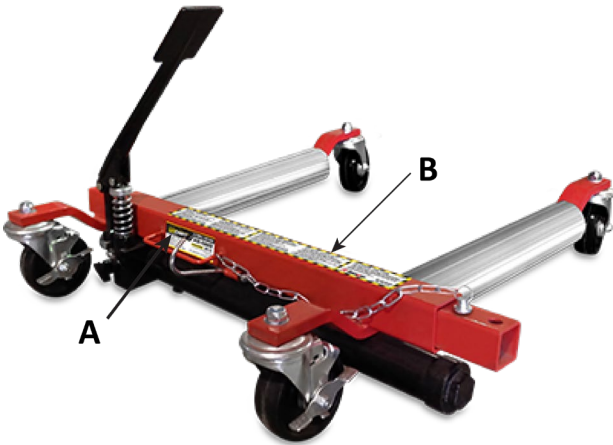
If you continue to have problems with your equipment, take the equipment out of service, then contact your dealer, visit bendpak.com/support, email support@bendpak.com, or call **(800) 253-2363**, extension 196.

Parts Drawing



Item #	Description	Qty.	Item #	Description	Qty.
1	Ram Assembly	1	11	Lock Pin with Chain	1
2	M16 X 115mm Hex Head Bolt	1	12	M6 x 20 Socket Head Cap Screw	4
3	M16 Flat Washer	1	13	M16 Lock Washer	4
4	M16 Nylon Lock Nut	1	14	M16 Flat Washer	4
5	Roller Raceway	4	15	Right Frame	1
6	Roller	2	16	Pedal Locking Hook	1
7	Raceway Lock Screw	8	17	Flat Washer for Hook	1
8	M12 Nylon Lock Nut	4	18	Hex Nut for Hook	1
9	4" Swivel Caster	4	19	Foot Pedal	1
10	Left Frame	1	20	Release Valve	1

Labels



A



GO-CART™
BY RANGER

Car Dollies / Auto Carts

RCD-1500EX

EXTENDED REACH

- ✓ Load capacity - 1,500-lb. (680 kg)
- ✓ Tire diameter capacity - 19" - 37" (482 mm x 940 mm)
- ✓ Tire width capacity - 13" (330 mm)
- ✓ Stowed dimensions - 25" x 26" (635 mm x 660 mm)



SKU: 5150191



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PN 5900207

B

SAFETY WARNINGS

- ✓ Prior to use, read, understand, and follow instructions and safety procedures.
- ✓ NEVER exceed the rated lifting capacity of each jack.
- ✓ Use jacks on smooth, level surfaces. DO NOT operate on inclines.
- ✓ Unauthorized movement of vehicles will occur as soon as jacks lift vehicle from surface.
- ✓ The jack valve withstands are for temporary use only and not meant to hold vehicles securely on unlevelled or unstable surfaces.
- ✓ DO NOT attempt to push jacks over obstacles; they are designed to be used on level and reasonably smooth surfaces only.
- ✓ DO NOT start the vehicle's engine, drive or down-drive the vehicle with the jack in use; the jack is designed for hand maneuvering of vehicles only.
- ✓ To maximize stability and to maintain a low center of gravity, always use jack in the forward lock pin position.
- ✓ Keep the jack close and well associated in powered connection of parts and damage to hydraulic system. If the jack has been exposed to rain, snow, sleet, or grit, clean before use.
- ✓ Inspect the jack before each use. DO NOT use jack if any part is found to be cracked, damaged or excessively worn.

OPERATION PROCEDURES

1. CAUTION: The foot pedal is spring loaded and will be forced upwards when the lock is released. Hold foot pedal down then carefully remove foot pedal store hook.
2. Remove the lock pin from the frame.
3. Open the release valve by turning the release knob counter-clockwise two full turns.
4. CAUTION: DO NOT turn the release knob counter-clockwise more than two full turns or hydraulic oil will leak from the jack.
5. Expand jack by pulling rollers apart wide enough to straddle tire.
6. Position jack with the line centered on the rollers. Verify there is full contact of the line on the rollers.
7. Close the release valve by turning the release knob clockwise to a snug hand-tight position; DO NOT over-tighten.
8. Depress the foot pedal to lift the tire from the floor surface.
9. When the tire is elevated off the floor surface, place the lock pin in the hole nearest the main jack body.
10. Use the crow hook to secure the foot pedal in the down position.
11. Repeat all steps for remaining jacks.
12. NEVER exceed the rated lifting capacity of each jack.

TO LOWER THE JACK

1. Remove the lock pin. If the lock pin is wedged in the jack tube, carefully remove the foot pedal store hook and operate the foot pedal enough to relieve pressure from the lock pin.
2. CAREFULLY open the release valve counter-clockwise until the tire rests on the floor surface.
3. Carefully remove jack from tire area.



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Maintenance Log

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