



CABOOSE™ OWNER'S MANUAL 2016

WWW.RADPOWERBIKES.COM

We are here to help! Please contact us at SUPPORT@RADPOWERBIKES.COM or 1-800-939-0310 if you have questions.

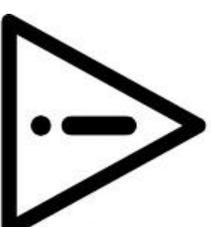
Welcome

Thanks you for purchasing the Caboose™ from Rad Power Bikes™. We take pride in bringing you a quality product that will offer years of enjoyment.

Using This Manual

This manual contains details of the product, its equipment, and information on its operation and maintenance. Read it carefully and familiarize yourself with the Caboose before using it in order to ensure a safe use and prevent tragic accidents. Be sure to retain this manual as your convenient Caboose information source.

This Manual contains Warnings and Cautions concerning the safe operation and consequences if safe setup, operation and maintenance are not performed. All information in this manual should be carefully reviewed and if you have any questions you should contact Rad Power Bikes immediately. The notes, warnings and cautions contained within the manual and marked by this triangular Caution Symbol should also be given special care. Users should also pay special attention to information marked in this manual beginning with **NOTICE**.



Because it is impossible to anticipate every situation or condition which can occur while riding, this manual makes no representations about the safe use of bicycles under all conditions. There are risks associated with the use of any bicycle which cannot be predicted or avoided, and which are the sole responsibility of the rider. You should save this manual, along with any other documents that were included with your bicycle, for future reference, however all content in this manual is subject to change or withdrawal without notice. Visit www.radpowerbikes.com to download the latest version. Rad Power Bikes makes every effort to ensure accuracy of its documentation and assumes no responsibility of liability if any errors or inaccuracies appear within. Assembly and first adjustment of your Rad Power Bike requires special tools and skills and it is recommended that this should be done by a trained bicycle mechanic if possible.



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Assembly Instructions for Cargo Flatbed Orientation

Follow these assembly instruction if you would like to setup the Caboose in the flatbed orientation. If you want to setup the Caboose in the Child Seating Orientation, please follow steps #1 and #2 and skip to the following section on Child Seating Orientation.

NOTICE: The following assembly steps are only a general guide to assist in the assembly of your Caboose and is not a complete or comprehensive manual of all aspects of assembly, maintenance and repair. We recommend you consult a bicycle repair specialist to assist in the assembly, repair and maintenance of your bicycle and all accessories.

Required Tools:

- 3/16" and 4mm Allen Wrenches
- 1/2" Wrench

Step 1: Ensure the RadWagon Aluminum Accessory deck is correctly installed prior to installation of the Caboose. The Accessory Deck is required for installation and sold separately.



Step 2: Once the Caboose is removed from packaging, remove the two end brackets and install as shown by rotating the mounting brackets into the large oval cutouts in the accessory deck on each end. Once inserted and the tab is beneath the deck, secure the bracket to the accessory deck using the provided hardware. Secure to 14 NM using a 3/16" Allen wrench and 1/2" wrench.



Step 3: Fasten all 4 bolts attaching the Caboose tubes to the bracket as shown. Tighten to 14NM using 3/16" Allen wrench and 1/2" wrench as shown.



Do not overtighten. Hardware should securely fasten the tubular handle to the bracket but be careful to not overtighten as damage can occur



Step 4: Securely fasten all button head cap screws holding the tubular structure together. Tighten to 10NM using 4mm Allen wrench.



! Closely inspect all components and hardware for proper tightness before each ride. If you identify any loose hardware, tighten before use, or contact Rad Power Bikes for assistance.

! Do not load more than 45 lbs. on Caboose in the flatbed orientation and ensure load is spread out otherwise damage can occur.



Assembly Instructions for Child Seating Orientation

NOTICE: The following assembly steps are only a general guide to assist in the assembly of your Caboose and is not a complete or comprehensive manual of all aspects of assembly, maintenance and repair. We recommend you consult a bicycle repair specialist to assist in the assembly, repair and maintenance of your bicycle and all accessories.

Required Tools:

- 3/16" and 4mm Allen Wrenches
- 1/2" Wrench

NOTICE: Follow Steps #1 and #2 from the Flatbed Orientation installation instructions prior to proceeding with the Child Seating Orientation guide.

Step 1: Remove the 10 screws/bolts marked in the picture below. Use a 4mm Allen wrench for the 4 pieces of button head cap screws and the 3/16" Allen wrench and 1/2" wrench to remove the 6 pieces of bolts securing the tubes to the end brackets.

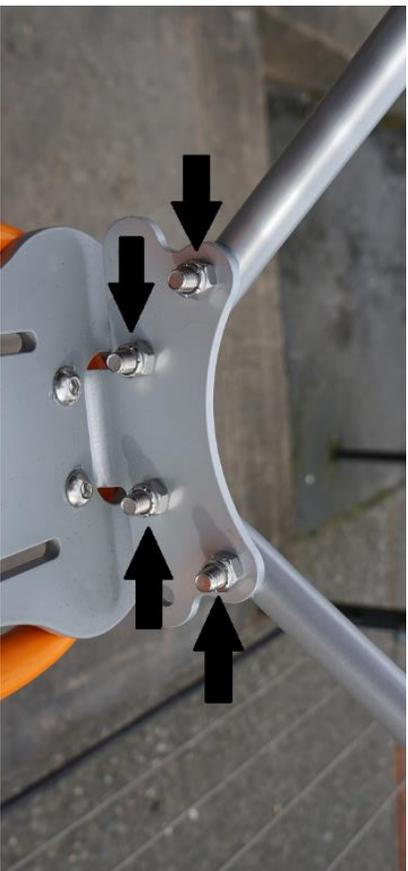


Once the hardware is removed, half of the tube system will be free as well as the center tube structure as shown.

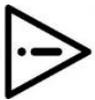
NOTICE: Be careful to not drop or damage any components during setup.



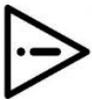
Step 2: Raise the tubes up into a V shape as shown below, and attach to the brackets using the 4 holes on each end bracket. Loosely tighten these 4 bolts.



Step 3: Install the center tube section and securely fasten all button head cap screws holding the tubular structure together. Tighten to 10NM using 4mm Allen wrench. Secure the 4 bolts on each bracket to 14 NM using a 3/16" allen wrench and ½" wrench.



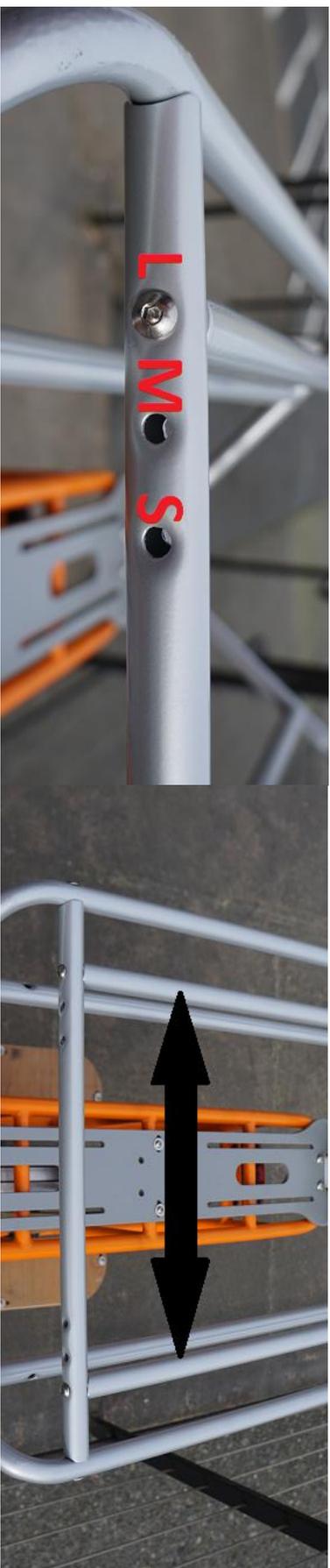
Do not overtighten. Hardware should securely fasten the tubular handle to the bracket but be careful to not overtighten as damage can occur.



Do not use power tools to tighten or remove hardware during installation, as damage to hardware can occur.



Step 4: Set the adjustable center tubes to desired width (7.9", 9.5", and 11.5") using the 3 holes on each end. If you are utilizing a Yepp child seat, mounted to the accessory deck, you will need to remove the two inner most tubes to allow room for the seat.



 **Closely inspect all components and hardware for proper tightness before each ride. If you identify any loose hardware, tighten before use, or contact Rad Power Bikes for assistance.**

Carrying Loads and Passengers

MAXIMUM PAYLOAD FOR RADWAGON

The total maximum weight limit of the RadWagon (350 Lbs.) includes the weight of the rider as well as clothing, riding gear, accessories, cargo, other riders, etc. The kickstand is not designed to be used for loading cargo. You **MUST** hold onto the bike whenever loading cargo, especially when loading precious cargo and children. Do not assume the bike is stable and balanced when using the kickstand, always hold onto the bike when cargo is being loaded or in place.

Total payload: 350 lbs.

Rear Rack: 120 lbs.

Running Boards: 40 lbs. per side

Kickstand: 100 lbs.

Flatbed Caboose: 45 lbs

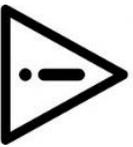
CARRYING CHILDREN AND OTHER PASSENGERS

The use of certified and approved child seating and equipment are required whenever carrying children. Rear wheel guards must be in place whenever carrying passengers to ensure feet and hands do not contact moving wheels. Ensure hands and feet are kept away from wheels at all times the bike is in motion. Check all regulations in the area where you operate the RadWagon to ensure carrying passengers, children, or cargo is allowed. Follow the stated weight limits in the section above, do not overload the RadWagon. The RadWagon should never be operated by persons under the age of 18 years old. Children incapable of riding a bike independently or under the age of four should not ride as passengers on the back of the RadWagon unless they are seated in a properly fitted and approved Child Safety Seat.

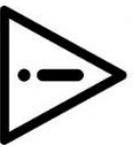
Notice: The following bulleted list provides important additional tips for the safe operation of the RadWagon when used for carrying children and other passengers.



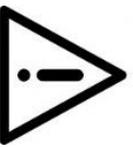
- Do not allow passengers to sit sideways or backwards on the rear deck.
- Do not allow passengers to stand or kneel on the rear deck, or running boards.
- Increased weight from passengers will increase the time it takes to slow the bike when braking, please plan your stops accordingly. Ensure both front and rear brakes are properly adjusted and maintained.
- When carrying passengers 4 years old or above you must have the running boards, rear wheel side covers and a stoker handlebar. As mentioned above, children incapable of riding a children's bike should not ride as passengers, use your best judgement as a parent or guardian.
- Hold onto your bicycle when loading and ensure that your passengers are safely seated before beginning to ride.
- That you and your passengers are wearing a properly fitted and approved helmet.
- Since passengers sit behind you they cannot see bumps or upcoming turns so instruct your passengers to brace for bumps and be prepared for turns and other maneuvers.
- Passengers should sit directly over or forward of the rear wheel on the back deck, and no more than 40 pounds should be loaded over the rear 1/3rd of the back deck.



Never leave the bike unattended with children on the bicycle. Ensure children are removed from the bike before you look away or walk away from the bike, otherwise the bike could tip over and cause serious injury to your most precious cargo.



Do not remove the clear rear wheel side covers from your RadWagon. These help to keep hands and feet away from the moving wheels. Contact with the rear wheel can cause injury and damage to occur.



The kickstand is not designed to be used for loading cargo. You MUST hold onto the bike whenever loading cargo, especially when loading precious cargo and children. Do not assume the bike is stable and balanced when using the kickstand, always hold onto the bike when cargo is being loaded or in place.



CARRYING CARGO

Carrying a cargo load involves additional risks which need to be paid close attention to, users should practice riding on a flat and open area with light cargo before attempting to carry heavier loads or passengers. You must become accustomed to the braking, steering, and operational adjustments required to safely operate the RadWagon with cargo. Braking, acceleration, and balancing are all significantly affected by the addition of cargo loaded on the RadWagon.

Notice: The following bulleted list provides important tips for the safe operation of the RadWagon when used for carrying cargo.

- Plan your route accordingly as your hill climbing ability, steering and braking are all impacted when cargo is loaded on the RadWagon. Hills that are normally easy to climb and descend without cargo can become challenging and dangerous once cargo is loaded.
- Cargo should be loaded as low as possible to lower the center of gravity and improve stability, but ensure that cargo does not interfere with any moving components or the ground.
- Ensure your loads are properly secured and periodically check that nothing loosens.
- Get a feel for the cargo load in a flat and open area before riding on roads.


Do not use the front brake by itself, always apply the rear brake first followed by the front brake and be sure to use both brakes for all braking operations. Front fork failure or loss of control are plausible when the front brake is operated independently for slowing at high speed with cargo loads.


Do not remove the clear rear wheel side covers from your RadWagon. These help to keep straps and cargo away from the moving wheels. Contact with the rear wheel can cause injury and damage to occur.


The kickstand is not designed to be used for loading cargo. You MUST hold onto the bike whenever loading cargo, especially when loading precious cargo and children. Do not assume the bike is stable and balanced when using the kickstand, always hold onto the bike when cargo is being loaded or in place.



Link to Assembly Video and Online Resources

Assembly Video

Please visit the Rad Power Bikes YouTube Channel to view instructional videos. <https://www.youtube.com/user/mikebikerad>

Online Resources

Please visit the Rad Power Bikes website at <http://www.radpowerbikes.com/> for more information or to contact us.

Limited Warranty

WARRANTY INFO

Every Caboose is covered under our manufacturer's one year all-inclusive warranty for the original owner against all manufacturing defects. Rad Power Bikes warrants this product, including all individual components against defects in material or workmanship as follows:

RAD POWER BIKES LIMITED 1 YEAR WARRANTY

Rad Power Bikes' bicycle components including frame, forks, stem, handlebar, headset, seat post, saddle, brakes, lights, bottom bracket, crank set, pedals, rims, spokes, wheel hub, freewheel, cassette, derailleur, shifter, motor, throttle, controller, wiring harness, LCD display, kickstand, reflectors, accessories and hardware are warranted to be free from manufacture defects in materials and/or workmanship for a 1 year period from the date of original purchase.

Wear and tear is not covered under warranty.



TERMS OF WARRANTY

This warranty only applies to the original owner. This warranty does not apply to rental or commercial use bicycles. This warranty is expressly limited to the replacement of defective parts at the sole discretion of Rad Power Bikes. This warranty does not cover any damage or defects resulting from failure to follow instructions in the owner's manual, acts of God, accident, misuse, neglect, abuse, commercial use, alterations, modification, improper assembly, wear and tear, installation of parts or accessories not originally intended or compatible with the bicycle as sold, operator error, water damage, extreme riding, stunt riding, or improper follow-up maintenance. This warranty does not include consumables or normal wear and tear parts (tires, tubes, brake pads, cables and housing, grips). Rad Power Bikes will not be liable and/or responsible for any damage, failure or loss caused by any unauthorized service or use of unauthorized parts. In no event shall Rad Power Bikes be responsible for any direct, indirect or consequential damages, including without limitation, damages for personal injury, property damage, or economic losses, whether based on contract, warranty, negligence, or product liability in connection with their products. All claims to this warranty must be made through Rad Power Bikes. Proof of purchase may be required with any warranty request.

