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**Stromberg Carlson BC104**

# Stromberg Carlson BC104 Four Bike Post Mount Carrier

Model: BC104 | Brand: Stromberg Carlson

## Introduction

This manual provides detailed instructions for the assembly, operation, and maintenance of your Stromberg Carlson BC104 Four Bike Post Mount Carrier. Please read all instructions carefully before installation and use to ensure safe and proper operation.

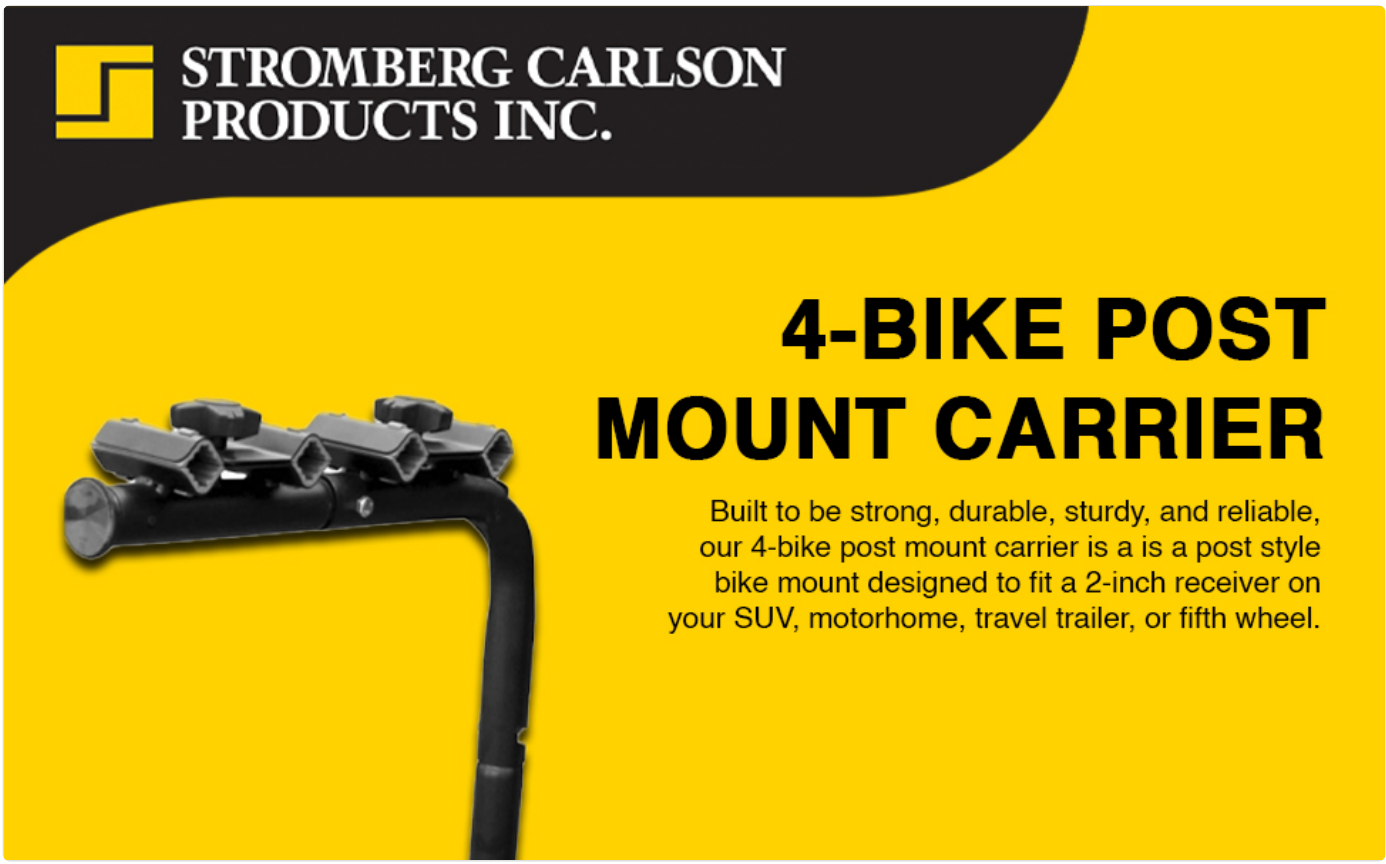



Image: The BC104 Four Bike Post Mount Carrier securely installed on the rear of an SUV, ready for transport.

## Safety Information

- Always ensure the carrier is securely attached to your vehicle's 2-inch receiver hitch before loading bicycles.
- Do not exceed the maximum weight capacity of 120 lbs (54.4 kg) or the maximum number of 4 bicycles.
- Ensure all bicycles are properly secured to the carrier using the provided straps and holders. Check for any loose parts before each trip.
- Drive cautiously, especially over bumps or uneven terrain, as the added weight and length may affect vehicle handling.
- Regularly inspect the carrier for wear, damage, or corrosion. Replace any damaged components immediately.
- Be aware of the increased overall length and height of your vehicle when the carrier is installed and loaded, especially when backing up or entering low-clearance areas.

## Package Contents

Verify that all components are present before beginning assembly:

- Hitch Base (Part #1)
- Elbow Plate (Part #2)
- Center Support (Part #3)
- M16x80 Bolt (Part #4)
- M16 Nut (Part #5)
- Pin (Part #6)
- R-Pin (Part #7)
- M12x80 Bolts (2) (Part #8)
- M12 Nuts (2) (Part #9)
- Elbow Support (Part #10)
- Bike Holder Tube (Part #11)
- M10x65 Bolts (2) (Part #12)
- M10 Nuts (2) (Part #13)

## Setup and Installation

Follow these steps to assemble and install your bike carrier:

1. Attach the Elbow Plate (Part #2) onto the Hitch Base (Part #1) using the M16x80 Bolt (Part #4) and M16 Nut (Part #5).
2. Insert the Pin (Part #6) and secure it with the R-Pin (Part #7).
3. Attach the Center Support (Part #3) into the Elbow Plate using the two M12x80 Bolts (Part #8) and two M12 Nuts (Part #9).
4. Attach the Elbow Support (Part #10) onto the Center Support using an M10x65 Bolt (Part #12) and M10 Nut (Part #13).
5. Connect the Bike Holder Tube (Part #11) onto the Elbow Support with an M10x65 Bolt (Part #12) and M10 Nut (Part #13).
6. Once assembled, insert the carrier into your vehicle's 2-inch receiver hitch and secure it according to your hitch

manufacturer's instructions.

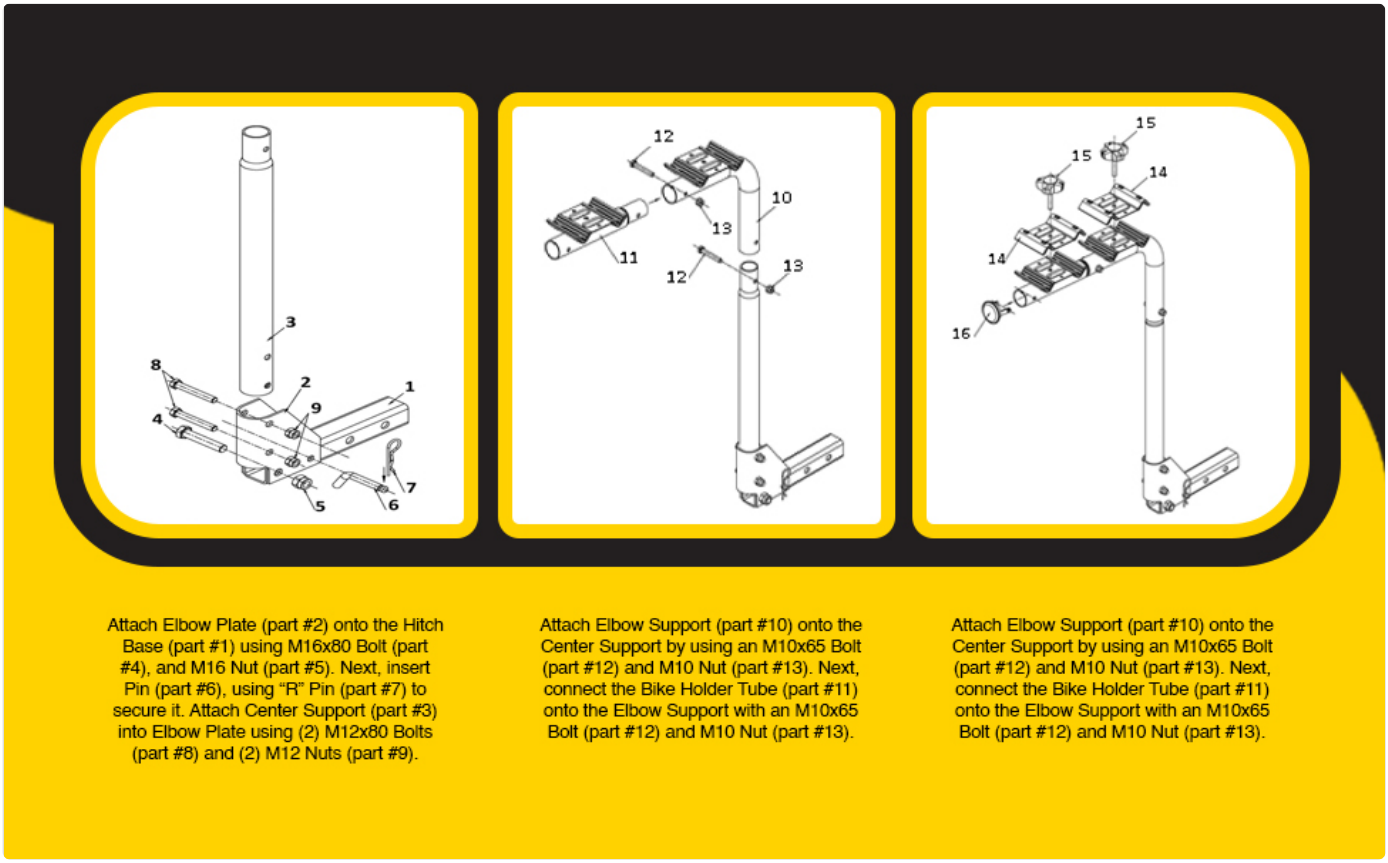



Image: Step-by-step assembly diagram illustrating the connection of the hitch base, elbow plate, center support, elbow support, and bike holder tube.

## Operating Instructions

### Loading Bicycles

- Ensure the carrier is firmly installed in your vehicle's hitch receiver.
- Lift each bicycle and place its frame onto the bike holder tubes. The carrier is designed to support up to 4 bicycles.
- Secure each bicycle using the integrated straps or tie-downs provided with the carrier. Ensure bikes are stable and do not sway excessively.
- For optimal stability, load the heaviest bikes closest to the vehicle.

### Folding for Storage

The carrier features a folding design for convenient storage when not in use. Consult the assembly diagram for the specific pivot points and release mechanisms to fold the carrier.




Image: The BC104 carrier with four bicycles securely loaded, demonstrating its capacity and stability.

## Compatibility and Usage Notes

The Stromberg Carlson BC104 is designed to fit any 2-inch receivers and is advertised as compatible with motorhomes, travel trailers, and fifth wheels. It supports up to 4 bicycles with a maximum combined weight of 120 lbs.

**Important Note:**

While the manufacturer states compatibility with various vehicle types, some users have reported issues with stability when used on fifth wheels or with heavier adult mountain bikes, leading to potential damage if not adequately secured. It is crucial to:

- Always verify the carrier's suitability for your specific vehicle and bicycle types.
- Ensure all bikes are extremely well-secured, potentially using additional straps beyond those provided, especially for longer trips or rough roads.
- Regularly check the security of the carrier and bikes during travel.




Image: Individuals preparing to use or having just used the bike carrier, highlighting its intended use for recreational travel.

## Maintenance

- **Cleaning:** Clean the carrier regularly with mild soap and water to remove dirt, road grime, and salt. Rinse thoroughly and dry to prevent corrosion.
- **Inspection:** Before each use, inspect all bolts, nuts, pins, and straps for tightness and wear. Check the frame for any signs of damage, cracks, or bending.
- **Lubrication:** Periodically apply a light lubricant to moving parts, such as pivot points, to ensure smooth operation and prevent rust.
- **Storage:** When not in use, store the carrier in a dry place to protect it from the elements.

## Troubleshooting

### Carrier feels unstable or bikes are swaying:

- Ensure the carrier is fully inserted into the hitch receiver and the hitch pin is securely fastened.
- Verify that all assembly bolts are tightened to the recommended specifications.
- Confirm that all bicycles are individually secured to the carrier's arms and that wheels are strapped to prevent rotation.
- Check the total weight of the bikes; do not exceed the 120 lbs capacity.

### Difficulty installing or removing bikes:

- Adjust the bike holder arms and straps to accommodate different frame sizes.
- For bikes with non-standard frames, consider using a bike frame adapter (sold separately).

## Specifications

| Feature | Detail |
|---|---|
| Model Number | BC104 |
| Brand | Stromberg Carlson |
| Capacity | 4 Bicycles |
| Maximum Weight Capacity | 120 lbs (54.4 kg) |
| Mounting Type | 2-inch Hitch Receiver (Post Mount) |
| Material | Alloy Steel |
| Product Dimensions (L x W x H) | 27 x 10 x 4.5 inches (approximate, when folded/packaged) |
| Item Weight | 25 lbs (11.3 kg) |
| Country of Origin | China |

## Warranty and Support

The Stromberg Carlson BC104 Four Bike Post Mount Carrier comes with a**1-year manufacturer warranty**. For warranty claims, technical support, or replacement parts, please contact Stromberg Carlson Products Inc. directly through their official website or customer service channels.
For more information, visit the Stromberg Carlson Store on Amazon.

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