

Camco 48731

Camco Eaz-Lift ReCurve R6 Weight Distribution Hitch Instruction Manual

Model: 48731

1. INTRODUCTION

This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your Camco Eaz-Lift ReCurve R6 Weight Distribution Hitch. The ReCurve R6 is designed to enhance your towing experience by providing weight distribution and adaptive sway control for recreational vehicles (RVs) and trailers. Proper setup and adherence to these guidelines are crucial for optimal performance and safety. The ReCurve R6 system helps to level your tow vehicle and trailer, distributing weight evenly across all axles. Its adaptive sway control technology automatically adjusts to road conditions, providing stability during highway towing and disengaging during tight turns for improved maneuverability.

2. SAFETY INFORMATION

WARNING: Read and understand all instructions and warnings in this manual before installing or operating the Eaz-Lift ReCurve R6 Weight Distribution Hitch. Failure to do so may result in serious injury, property damage, or death.

- Always ensure your tow vehicle and trailer are within the weight ratings of the hitch. The ReCurve R6 has a maximum tongue weight rating of 800 lbs and a maximum Gross Trailer Weight Rating (GTWR) of 8,000 lbs.
- Never exceed the manufacturer's stated towing capacity for your tow vehicle or trailer.
- Professional installation is recommended for individuals unfamiliar with weight distribution hitch setup.
- Regularly inspect all hitch components for wear, damage, or loose fasteners before each tow.
- Ensure all pins and clips are securely in place before towing.
- Be aware of your surroundings and exercise caution when maneuvering with a trailer.
- The sway control feature can be disengaged in icy or slippery conditions for added safety.
- If your tow vehicle has an anti-sway feature, it must be turned OFF to prevent it from counteracting the weight distribution hitch.

3. COMPONENTS OVERVIEW

The Camco Eaz-Lift ReCurve R6 Weight Distribution Hitch includes the following primary components:

- Hitch Head Assembly with 2-5/16" Hitch Ball
- Two (2) Top-Loading Spring Bars
- Two (2) Sway Control Brackets
- Mounting Hardware (bolts, nuts, washers, pins, clips)
- Hex Wrench for sway tension adjustment

detailed installation guide provided with your product for specific measurements and torque specifications. The following is a general overview of the installation process:

1. **Prepare Tow Vehicle and Trailer:** Park the tow vehicle and trailer on a level surface, ensuring they are in a straight line. Measure the height of the front and rear bumpers of the tow vehicle, and the trailer coupler height.
2. **Install Hitch Head:** Insert the hitch shank into your tow vehicle's receiver and secure it with a hitch pin. Attach the hitch head to the shank, adjusting its height to achieve a level trailer.
3. **Attach Spring Bars:** The ReCurve R6 features top-loading spring bars. Insert the spring bars into the hitch head and secure them.
4. **Mount Sway Control Brackets:** Position the sway control brackets on the trailer frame. These brackets will engage with the ends of the spring bars. Ensure the brackets are installed at the correct distance from the coupler as specified in the detailed instructions.
5. **Engage Spring Bars with Brackets:** Lift the spring bars and connect them to the sway control brackets. This action applies tension, distributing weight.
6. **Adjust Sway Control:** The ReCurve R6 features an ON/OFF switch for the sway control mechanism. Ensure it is in the 'ON' position for normal towing.
7. **Final Adjustments and Measurements:** Re-measure the bumper heights and trailer coupler height. Adjust the hitch head tilt and spring bar tension as needed to achieve a level setup, aiming for the front bumper to return to its original height or slightly lower, and the rear bumper to be level with the front.

Important: The hitch and trailer must be perfectly straight before tightening the sway control brackets to prevent misalignment or damage. The R6 hitch's design allows for smooth turning around the hitch ball, ensuring the hitch and trailer move as one unit.



Figure 4.1: The Camco Eaz-Lift ReCurve R6 Weight Distribution Hitch fully assembled.



Figure 4.2: Detail of the ReCurve R6 hitch head, showing the adaptive sway control mechanism and its ON/OFF switch.

5. OPERATING INSTRUCTIONS

Once properly installed and adjusted, the ReCurve R6 hitch operates to provide a stable towing experience.

- **Adaptive Sway Control:** The patented technology of the ReCurve R6 automatically adjusts sway control based on road conditions. It provides maximum control during highway towing and dynamically disengages past 7° during tight turns, allowing for smooth maneuvering in parking lots or campgrounds.
- **Engaging/Disengaging Sway Control:** For normal towing, ensure the sway control switch on the hitch head is in the 'ON' position. In adverse conditions such as ice or extreme slipperiness, the sway control can be manually turned 'OFF' using the provided hex wrench for increased safety.
- **Towing:** Drive cautiously, observing speed limits and road conditions. The hitch is designed to reduce trailer sway and provide a smoother ride.
- **Parking/Maneuvering:** The adaptive sway control allows for easier tight turns. For backing up or extreme angles, you may choose to disengage the sway control or remove the spring bars if necessary, especially on uneven terrain.



Figure 5.1: A truck towing a travel trailer, demonstrating the ReCurve R6 hitch in operation.



Figure 5.2: A detailed view of the ReCurve R6 hitch connected to the trailer frame, showing the spring bars and sway control brackets.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your ReCurve R6 hitch.

- **Inspection:** Before each use, inspect all components for signs of wear, cracks, bends, or corrosion. Pay close attention to the hitch ball, spring bars, and sway control mechanism.
- **Fasteners:** Check all bolts, nuts, and pins for tightness. Re-torque fasteners to manufacturer specifications if necessary.
- **Cleaning:** Keep the hitch head and spring bars clean from dirt and debris. While the R6 design minimizes the need for grease on certain parts, ensure moving components are free of obstructions.
- **Storage:** When not in use, store the hitch in a dry place to prevent rust and corrosion.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your ReCurve R6 hitch.

- **Excessive Sway:**

- Ensure the sway control is in the 'ON' position.
- Verify proper weight distribution adjustment. The trailer and tow vehicle should be level.
- Check tire pressure on both tow vehicle and trailer.
- Confirm trailer loading; heavy items should be centered over the trailer axles.

- **Hitch Noise (Creaking/Clunking):**

- The ReCurve R6 is designed for quiet operation. If noise occurs, inspect for loose components or foreign objects.
- Ensure the hitch ball is properly torqued.
- Check for proper lubrication points as specified in the full manual.

- **Difficulty Turning:**

- The adaptive sway control should disengage during tight turns. If not, check the mechanism for obstructions.
- Ensure the sway control is not inadvertently set to 'OFF' if you desire sway control during turns.

- **Uneven Vehicle/Trailer Leveling:**

- Re-evaluate the spring bar tension and hitch head tilt settings. Adjust according to the detailed setup instructions.
- Ensure the trailer is loaded correctly, with appropriate tongue weight.

8. SPECIFICATIONS

Feature	Specification
Model Number	48731
Brand	Camco
Maximum Tongue Weight Rating	800 lbs
Maximum Gross Trailer Weight Rating (GTWR)	8,000 lbs
Hitch Ball Size	2-5/16 inches
Hitch Ball Rating	15,000 lbs
Item Weight	106 pounds
Product Dimensions	11 x 34.25 x 11.5 inches
Material	High-carbon steel blend
Finish Type	Brushed
Vehicle Service Type	Trailer

9. WARRANTY AND SUPPORT

For specific warranty information regarding your Camco Eaz-Lift ReCurve R6 Weight Distribution Hitch, please

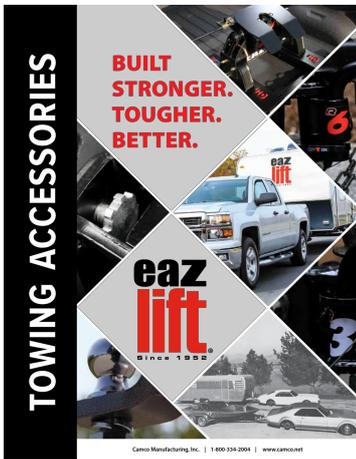
refer to the warranty card included with your product or visit the official Camco website. Warranty terms and conditions may vary.

If you require technical assistance, have questions about installation, operation, or maintenance, or need to report a product issue, please contact Camco customer support directly. Contact information can typically be found on the product packaging or the official Camco website.

Camco Official Website: www.camco.net

Related Documents - 48731

	<p>Eaz-Lift Sway Control Installation and Operation Manual - Camco</p> <p>Comprehensive installation and operating instructions for the Camco Eaz-Lift Sway Control system, including safety warnings, parts list, step-by-step installation guide, and adjustment procedures for safe trailer towing.</p>
	<p>Camco Eaz-Lift Scissor Jacks Installation and Operation Manual</p> <p>Comprehensive guide for installing and operating Camco Eaz-Lift Scissor Jacks, including safety warnings, tools required, and step-by-step instructions for both bolt-on and weld-on installations. Also features information on other Camco products and a limited warranty.</p>
	<p>CAMCO RV Accessories Catalog: Awnings, Camping, Grills & More</p> <p>Explore the comprehensive CAMCO catalog featuring a wide range of RV accessories, including awnings, camping gear, grills, covers, housewares, hardware, and towing solutions. Enhance your RV experience with quality products from CAMCO.</p>
	<p>Camco Battery Box Installation Instructions</p> <p>Step-by-step instructions for installing a Camco battery box, including safety precautions for lead-acid batteries. Instructions are provided in English, French, and Spanish.</p>
	<p>Camco Water Heater Thermostat User and Care Manual</p> <p>Comprehensive guide for installing, using, and caring for your Camco water heater thermostat, including safety warnings, installation instructions, and limited warranty information.</p>



[Eaz-Lift Towing Accessories Catalog](#)

A comprehensive catalog of Eaz-Lift towing accessories, including weight distribution hitches, sway controls, gooseneck adapters, 5th wheel hitches, and various related parts and accessories. The catalog details product features, specifications, and part numbers.

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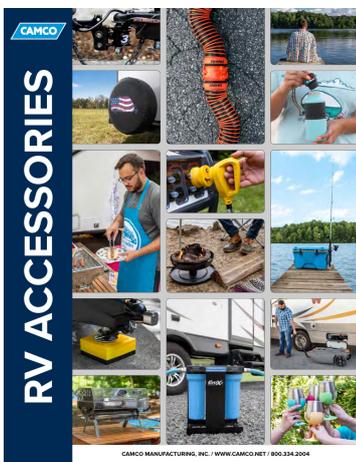
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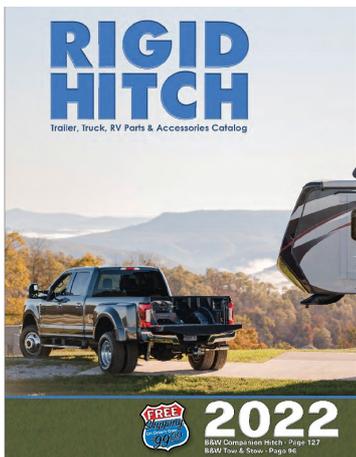
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