CURT 45363

CURT 45363 AlumaLite Adjustable Aluminum Trailer Hitch Instruction Manual

Model: 45363 | Brand: CURT

1. Introduction

The CURT 45363 AlumaLite Adjustable Aluminum Trailer Hitch is designed to provide a strong yet lightweight connection for towing various trailers. Constructed from billet aluminum, this hitch offers adjustability to ensure proper trailer leveling, which is crucial for safe towing. It features dual ball sizes (2" and 2-5/16") to accommodate different trailer couplers and is engineered to meet rigorous safety standards.

Key Features:

- **Adjustable Drop:** Offers 5-1/2" of drop, adjustable in 1" increments for precise trailer leveling.
- **Dual Ball Design:** Includes both 2" and 2-5/16" polished steel balls for versatile towing.
- **Lightweight & Durable:** Crafted from billet aluminum for easy handling and corrosion resistance, while maintaining robust towing capacities.
- **High Towing Capacity:** Rated for 8,000 lbs. GTW with the 2" ball and up to 12,500 lbs. GTW with the 2-5/16" ball.
- **Universal Fit:** Designed to fit any standard 2" x 2" hitch receiver with 5/8" hitch pin holes.

2. Setup and Installation

Proper installation of your AlumaLite adjustable hitch is essential for safe operation. Follow these steps carefully:

1. **Insert Shank:** Slide the shank of the AlumaLite hitch into your vehicle's 2" x 2" receiver tube. Ensure it is fully inserted until the hitch pin holes align.
2. **Secure with Hitch Pin:** Insert a 5/8" hitch pin (not included, CURT locks #23556 and #23025 are compatible) through the aligned holes in the receiver and the hitch shank. Secure the hitch pin with its clip or locking mechanism.
3. **Adjust Ball Mount Height:** Determine the appropriate height for your trailer to ensure it rides level. The AlumaLite offers 5-1/2" of drop, adjustable in 1" increments. To adjust, remove the two pins securing the ball mount assembly to the shank. Slide the ball mount up or down to the desired height, aligning the holes.
4. **Secure Ball Mount:** Reinsert the two pins through the aligned holes in the shank and ball mount assembly. Secure these pins with their clips or locking mechanisms.
5. **Select Ball Size:** The ball mount features a dual-ball design. If needed, rotate the ball mount assembly 180 degrees to switch between the 2" and 2-5/16" balls. Ensure the selected ball is facing upwards and is securely in place.



Figure 1: The CURT AlumaLite hitch installed on a truck, demonstrating precise trailer leveling.

Video 1: Demonstration of adjustable hitch installation and ball size selection (Weigh Safe 180 Hitch shown, functionality is similar to CURT AlumaLite).

3. Operating the Adjustable Hitch

The AlumaLite adjustable hitch is designed for ease of use, allowing quick adjustments to match various towing scenarios.

Adjusting Drop/Rise:

To achieve a level trailer, you may need to adjust the height of the ball mount. The AlumaLite hitch can be configured for a drop position. To change the height:

1. Remove the two pins that secure the ball mount assembly to the vertical shank.
2. Slide the ball mount assembly up or down the shank to the desired height. The hitch offers 1" increments for precise adjustments.
3. Once the desired height is achieved, reinsert both pins through the aligned holes and secure them with their clips.

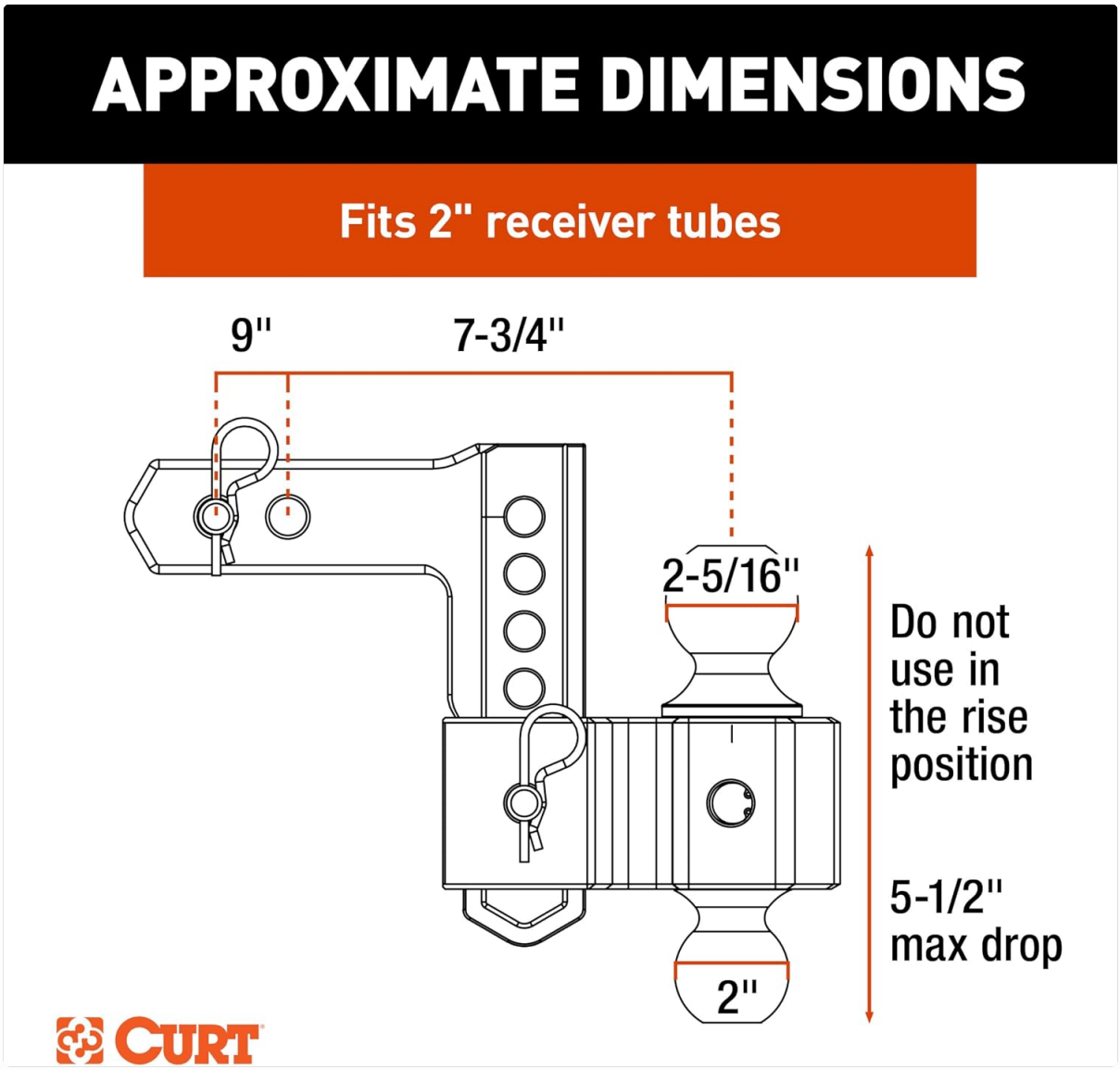


Figure 2: Approximate dimensions and maximum drop of the CURT AlumaLite hitch.

Switching Ball Sizes:

The dual-ball design allows you to quickly switch between a 2" and a 2-5/16" ball without needing

separate ball mounts.

1. Ensure the ball mount assembly is not under load.
2. Remove the two pins securing the ball mount assembly to the vertical shank.
3. Carefully pull the ball mount assembly away from the shank.
4. Rotate the ball mount assembly 180 degrees to expose the other ball size.
5. Reinsert the ball mount assembly into the shank at the desired height and secure it with the two pins and clips.

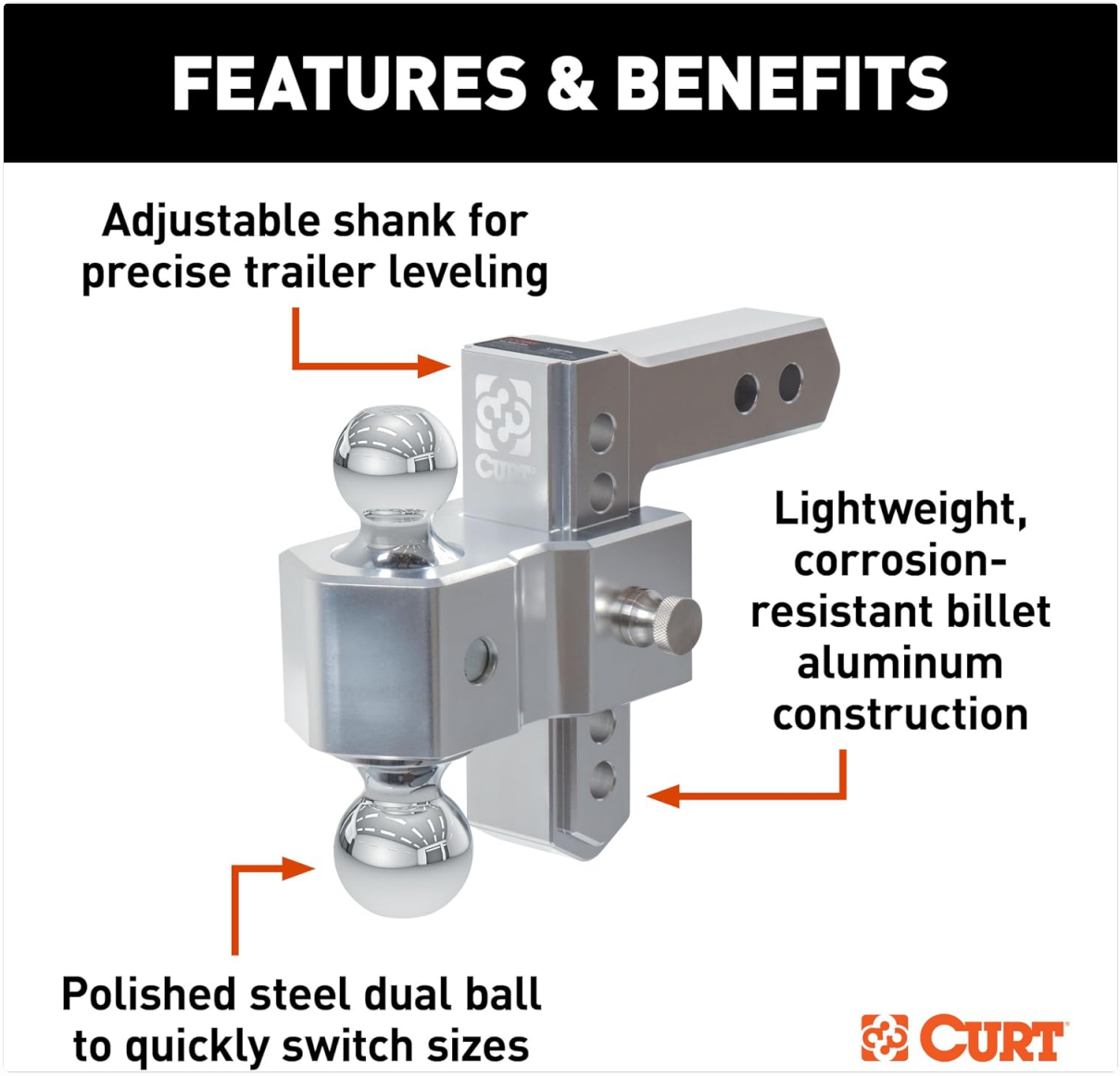


Figure 3: Key features of the CURT AlumaLite hitch, including the dual ball for quick size switching.

4. Maintenance

Regular maintenance will ensure the longevity and safe operation of your CURT AlumaLite Adjustable Aluminum Trailer Hitch.

- **Cleaning:** Periodically clean the hitch with mild soap and water to remove dirt, road grime, and salt. The polished aluminum finish is designed for durability, but regular cleaning helps maintain its appearance and prevents buildup.

- **Inspection:** Before each use, inspect the hitch for any signs of wear, damage, or corrosion. Check all pins, clips, and the ball mount for secure fit and proper function. Ensure there are no cracks, bends, or excessive play in any components.
- **Lubrication:** Apply a light coat of grease to the hitch balls and the inside of the coupler to reduce friction and wear during towing.
- **Storage:** While the AlumaLite is designed to withstand outdoor elements, storing it in a dry place when not in use can further extend its lifespan. If left on the vehicle, ensure all pins are securely fastened.

5. Troubleshooting

If you encounter issues with your AlumaLite adjustable hitch, consider the following:

- **Pins Not Fitting:** Ensure you are using the correct size hitch pin (5/8" diameter) for the receiver and the correct pins for the ball mount adjustment. Sometimes, manufacturing tolerances or debris can cause a tight fit. Clean the pinholes and try again. If pins are bent or damaged, replace them immediately.
- **Trailer Not Level:** Re-evaluate your trailer's coupler height and your vehicle's hitch receiver height. Adjust the ball mount up or down in 1" increments until the trailer is as level as possible. An uneven trailer can lead to improper weight distribution and potential sway.
- **Excessive Play/Rattling:** Ensure all pins (hitch pin and ball mount pins) are fully inserted and secured with their clips. Check that the hitch shank is fully seated in the receiver. If excessive play persists, inspect for worn components or consult with a professional.
- **Corrosion on Balls:** While the aluminum body is corrosion-resistant, the polished steel balls may show signs of surface rust over time, especially if exposed to weather. Regular cleaning and lubrication can mitigate this. Light surface rust does not typically affect structural integrity but should be monitored.

6. Specifications

Attribute	Value
Brand	CURT
Model Number	45363
Material	Aluminum
Finish Type	Polished
Item Weight	20 Pounds
Product Dimensions	16.93 x 11.8 x 6.5 inches
Vehicle Service Type	Trailer

Automotive Fit Type	Universal Fit (2" x 2" receiver)
Ball Sizes	2" and 2-5/16"
Gross Trailer Weight (2" ball)	8,000 lbs.
Gross Trailer Weight (2-5/16" ball)	12,500 lbs.
Drop Adjustment	5-1/2" max drop, 1" increments
UPC	612314056736

7. Warranty and Support

CURT products are built with quality to provide dependable, safe towing. For specific warranty information, product registration, or technical support, please refer to the documentation included with your purchase or visit the official CURT website. Always ensure you are using genuine CURT replacement parts if needed.

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