CURT 13180

CURT 13180 Class 3 Trailer Hitch User Manual

For Select Toyota Tundra Models

1. Product Overview

The CURT 13180 Class 3 Trailer Hitch is engineered for serious towing, offering a vehicle-specific fit for select Toyota Tundra models. This hitch provides a 2-inch x 2-inch receiver tube, designed for attaching and hauling various trailers including utility, boat, camper, snowmobile, or ATV haulers. It features a dual-coat finish for enhanced durability and resistance against rust, chipping, and UV damage.

Key Features:

- **Dependable Strength:** Rated for 6,000 lbs. gross trailer weight (GTW) and 600 lbs. tongue weight (TW). Compatible with weight distribution systems for up to 10,000 lbs. weight distribution capacity (WD) and 1,000 lbs. weight distribution tongue weight (WDTW). Always adhere to the lowest-rated towing component's capacity.
- **Versatile Design:** Equipped with a standard 2-inch x 2-inch hitch receiver. Note: Not compatible with vertical hanging bike racks.
- **Fully Tested:** Designed and tested in real-world, on-vehicle conditions according to SAE J684 standards for safety.
- **Durable Finish:** Protected with a co-cured finish of rust-resistant liquid A-coat and highly durable black powder coat.
- **Easy Installation:** Offers a custom, factory fit on select Toyota Tundra model years.



Image 1.1: General view of the CURT 13180 Class 3 Trailer Hitch.

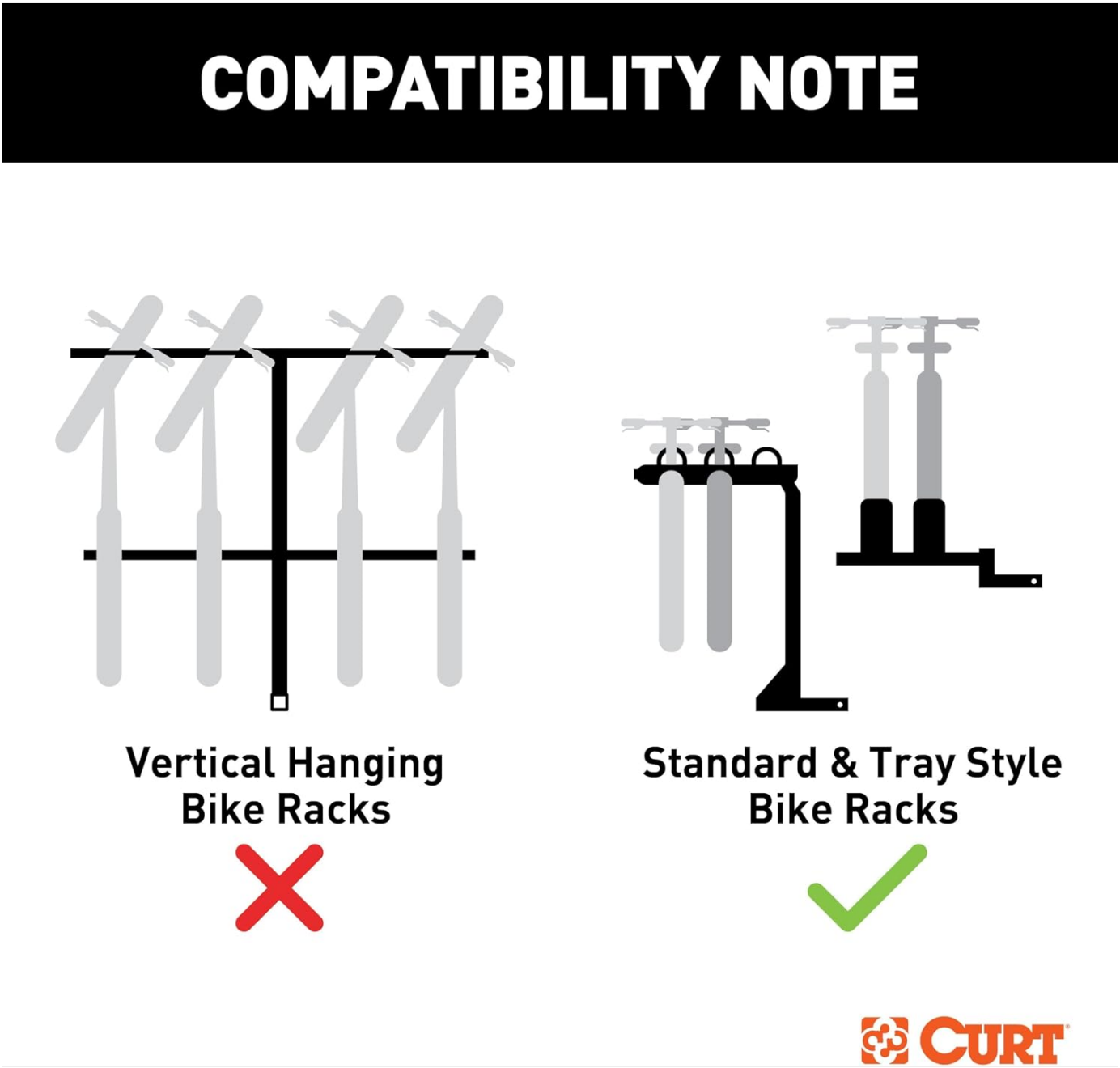


Image 1.2: Illustration indicating the 2-inch receiver tube size.

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Video 1.1: Official product video from Curt Manufacturing highlighting key features and benefits of the CURT 13180 Class 3 Trailer Hitch.

2. Safety Information

Always prioritize safety during installation and operation. Read all instructions thoroughly before beginning. Failure to follow safety guidelines can result in property damage, serious injury, or death.

- Wear appropriate personal protective equipment, including safety glasses, during installation.
- Ensure the vehicle is securely supported on a level surface before working underneath it.
- Never exceed the lowest weight rating of any component in your towing system (hitch, vehicle, trailer, or ball mount).
- Regularly inspect the hitch and all towing components for wear, damage, or corrosion.
- This product may expose you to chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm (Proposition 65 warning).

3. Package Contents

The CURT 13180 Class 3 Trailer Hitch package includes:

- One (1) Class 3 Hitch

Hardware for installation is typically included. Refer to the specific installation manual for a detailed list of hardware components.

4. Setup (Installation)

The CURT 13180 trailer hitch is designed for a custom, factory fit on specific Toyota Tundra models, often requiring no drilling. For detailed, step-by-step instructions, refer to the official Installation Manual (PDF) provided with your product or available on the manufacturer's website.

General Installation Guidelines:

1. **Preparation:** Park the vehicle on a level surface and engage the parking brake. If necessary, raise the vehicle using a hoist or jack stands for safe access.
2. **Clearance:** Ensure the installation area on the vehicle's frame is clear of debris, rust, or obstructions. Some factory components, such as trailer light connectors, may need temporary removal or adjustment.
3. **Positioning:** Carefully lift the hitch into position, aligning the mounting holes with the existing holes in the vehicle's frame. A second person or a jack can assist in holding the hitch.
4. **Fastening:** Insert the provided bolts, washers, and nuts. Hand-tighten all fasteners before final torqueing.
5. **Torqueing:** Refer to the installation manual for specific torque specifications for each fastener. Use a torque wrench to tighten all bolts to the recommended values. Over-tightening or under-tightening can compromise safety.
6. **Final Check:** Verify that all fasteners are securely tightened and that the hitch is properly seated and stable.

Important Considerations:

- Some Toyota Tundra models may require longer bolts for attachment to the bumper portion than those supplied. Verify bolt length before final installation.
- Ensure proper clearance around any existing wiring, such as the OEM electrical outlet, to prevent damage.



Image 4.1: Indication that no drilling is required for installation on compatible vehicles.



Image 4.2: A CURT trailer hitch undergoing rigorous testing to ensure durability and safety.

5. Operating Instructions

Once installed, the CURT 13180 Class 3 Trailer Hitch provides a secure connection point for your trailer.
Connecting a Trailer:

1. **Insert Ball Mount:** Slide your compatible ball mount (sold separately) into the 2-inch receiver tube.
2. **Secure Pin:** Align the pin hole on the ball mount with the hole on the hitch receiver and insert a hitch pin and clip (sold separately) to secure it.
3. **Attach Trailer:** Lower the trailer coupler onto the hitch ball and secure the coupler latch.
4. **Safety Chains:** Cross the trailer's safety chains beneath the coupler and attach them to the designated chain loops on the hitch.
5. **Electrical Connection:** Connect the trailer's electrical wiring to the vehicle's towing harness.
6. **Final Check:** Before driving, ensure all connections are secure, lights are working, and the trailer brakes (if applicable) are functioning correctly.

Weight Capacities:

- **Weight Carrying (WC):** 6,000 lbs. GTW, 600 lbs. TW
- **Weight Distribution (WD):** 10,000 lbs. WD, 1,000 lbs. WDTW

Always ensure your towing setup does not exceed these limits or the limits of your vehicle, whichever is lower.

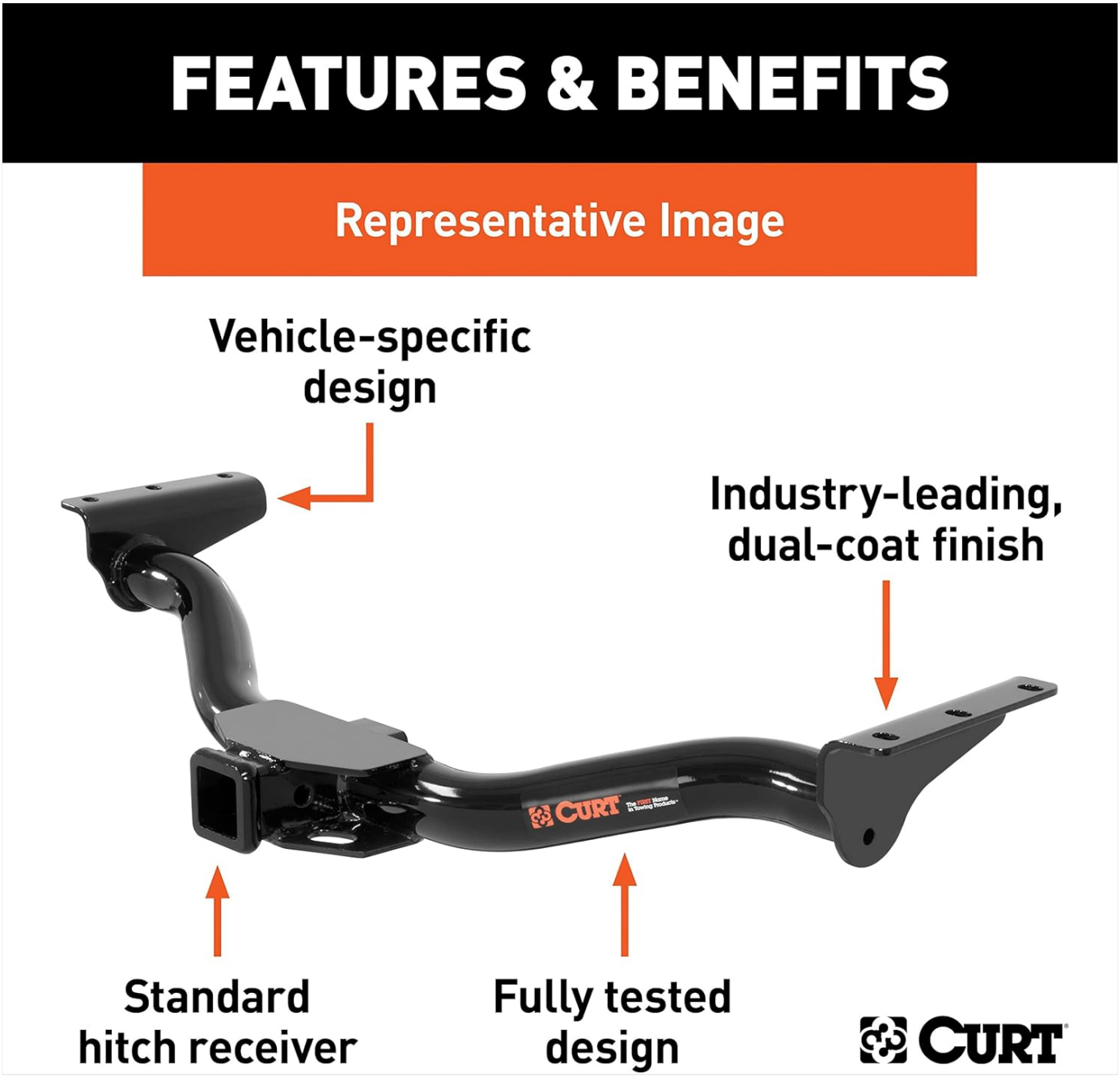


Image 5.1: Close-up view of the standard 2-inch hitch receiver.

Bike Rack Compatibility:
This hitch is designed to accommodate standard and tray-style bike racks. It is **not compatible** with vertical hanging bike racks that require bikes to be hung or mounted vertically.



Image 5.2: Visual guide illustrating compatibility with standard/tray style bike racks and incompatibility with vertical hanging bike racks.

6. Maintenance

Proper maintenance ensures the longevity and safe operation of your CURT trailer hitch.

- **Regular Inspection:** Periodically inspect the hitch for any signs of rust, cracks, bends, or other damage. Pay close attention to weld points and mounting areas.
- **Cleanliness:** Keep the receiver tube free of dirt, debris, and moisture. This prevents corrosion and ensures smooth insertion of ball mounts or accessories.
- **Lubrication:** Apply a thin layer of grease to the hitch ball and inside the receiver tube as needed to prevent rust and facilitate connection.
- **Finish Care:** The dual-coat finish provides excellent protection. If the finish is scratched or chipped, clean the area and apply a rust-inhibiting paint to prevent further corrosion.
- **Fastener Check:** Re-check the torque on all mounting bolts periodically, especially after the first few uses, to ensure they remain tightened to specifications.



Image 6.1: Illustration of the dual-coat finishing process, showing hitches submerged in a protective coating.

7. Troubleshooting

This section addresses common issues that may arise during installation or use.

- **Issue: Bolts too short for bumper attachment.**
  Solution: Some vehicle models may require longer 1/2-inch bolts (e.g., 3-inch length) for the bumper attachment points. These can typically be sourced from hardware stores.
- **Issue: Mounting holes do not align.**
  Solution: Double-check that the hitch model is correct for your specific Toyota Tundra year and configuration. Ensure no obstructions are preventing alignment. If minor misalignment occurs, carefully adjust the hitch's position. Avoid forcing bolts. If significant misalignment persists, contact customer support.
- **Issue: Wiring interference.**
  Solution: If the hitch interferes with existing vehicle wiring (e.g., trailer light connector), carefully reroute or secure the wiring to prevent pinching or damage.
- **Issue: Excessive play in receiver.**

Solution: Ensure the hitch pin is fully inserted and secured with the clip. If using an anti-rattle device, ensure it is properly installed. Some movement is normal, but excessive play may indicate a worn component or improper installation.

If you encounter issues not covered here or require further assistance, consult a professional installer or contact CURT customer support.

8. Specifications

Specification	Detail
Brand	CURT
Model Number	13180
Item Weight	42.7 Pounds
Material	Carbon Steel
Receiver Tube Size	2-inch x 2-inch
Weight Carrying (WC) GTW	6,000 lbs.
Weight Carrying (WC) TW	600 lbs.
Weight Distribution (WD) Capacity	10,000 lbs.
Weight Distribution (WD) TW	1,000 lbs.
Included Components	Class 3 Hitch
UPC	612314131808

9. Warranty Information

The CURT 13180 Class 3 Trailer Hitch comes with a Limited Lifetime Warranty. This warranty covers the finish for one year and parts for one year. For complete details regarding warranty coverage, terms, and conditions, please refer to the official warranty documentation included with your product or visit the CURT Manufacturing website.

10. Customer Support

For technical assistance, installation questions, or warranty claims, please contact CURT Manufacturing customer support. Have your product model number (13180) and purchase information ready when you call or email.
You can typically find contact information on the CURT Manufacturing official website or within the product packaging.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question