

TYT PP3PL30049-US

TYT Adjustable Truck Trailer Hitch User Manual

Model: PP3PL30049-US

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your TYT Adjustable Truck Trailer Hitch. Please read these instructions thoroughly before installation and operation to ensure proper function and safety. This hitch is designed for a 2-inch receiver and features a 6-inch drop/rise with dual 2" and 2-5/16" balls, rated for up to 14,000 lbs Gross Trailer Weight (GTW) and 1,400 lbs Tongue Weight (TW).

2. SAFETY INFORMATION

Always prioritize safety when installing and operating towing equipment. Failure to follow these guidelines may result in property damage, serious injury, or death.

- **Verify Compatibility:** Ensure your vehicle's towing capacity and receiver size are compatible with this hitch and your trailer's weight.
- **Weight Limits:** Never exceed the Gross Trailer Weight (GTW) of 14,000 lbs or the Tongue Weight (TW) of 1,400 lbs.
- **Proper Installation:** Always ensure the hitch is securely installed in the receiver and all pins and locks are engaged before towing.
- **Regular Inspection:** Before each tow, inspect the hitch, balls, pins, and receiver for any signs of wear, damage, or corrosion.
- **Secure Trailer:** Always use safety chains and ensure the trailer is properly connected and secured to the hitch.
- **Load Distribution:** Distribute the trailer load evenly to maintain proper tongue weight and vehicle stability.
- **Driving Safely:** Drive cautiously, allowing for increased stopping distances and wider turns when towing.

3. PRODUCT OVERVIEW

3.1 Components

The TYT Adjustable Truck Trailer Hitch includes the following main components:

- Adjustable Hitch Shank
- Dual Ball Mount (2-inch and 2-5/16-inch balls)
- Two Locking Hitch Pins

- Hitch Tightener
- Safety Pin



Figure 3.1: Package contents of the TYT Adjustable Truck Trailer Hitch, showing the adjustable shank, dual ball mount, locking pins, hitch tightener, and safety pin.

3.2 Key Features

- **Solid Steel Shank:** Constructed with solid steel for enhanced structural integrity and reduced flex, providing stronger and more stable towing.
- **High Capacity:** Rated for 14,000 lbs GTW and 1,400 lbs TW, suitable for heavy hauling.
- **Adjustable Drop/Rise:** Offers 6 inches of adjustment up or down to maintain a level trailer.
- **Dual Ball Convenience:** Integrated 2" and 2-5/16" hitch balls for versatile towing without needing to swap ball mounts.
- **Security Features:** Includes two locking hitch pins and a hitch tightener to reduce movement and prevent theft.
- **Durable Finish:** Gold powder-coated finish on the ball mount resists rust and corrosion.

3.3 Product Dimensions

Refer to the diagram below for detailed product dimensions. This hitch is designed for a 2-inch receiver.

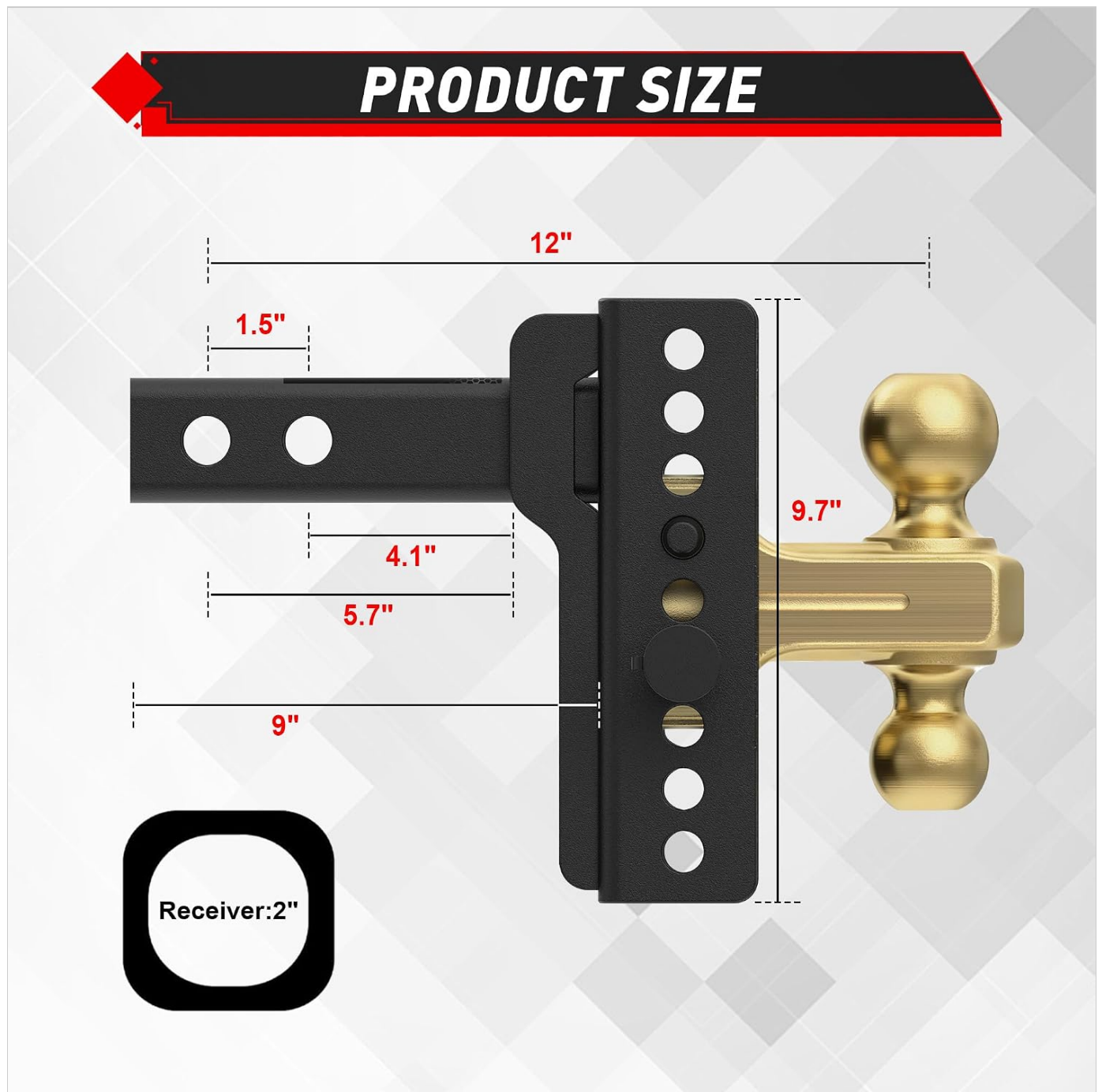


Figure 3.2: Detailed dimensions of the TYT Adjustable Truck Trailer Hitch, indicating overall length, receiver insertion depth, and height adjustments.

4. SETUP AND INSTALLATION

4.1 Attaching the Hitch to Your Vehicle

1. Insert the adjustable hitch shank into your vehicle's 2-inch receiver tube.
2. Align the pin holes on the shank with the holes on the receiver.
3. Insert one of the provided locking hitch pins through the aligned holes. Secure the lock.

4.2 Adjusting Drop or Rise

The hitch offers 6 inches of vertical adjustment to achieve a level towing position.

1. Loosen the bolts on the adjustable ball mount to allow it to slide along the shank.
2. Position the ball mount at the desired height (drop or rise) to ensure your trailer is level when connected.
3. Align the holes on the ball mount with the corresponding holes on the shank.
4. Insert the second locking hitch pin through the aligned holes to secure the ball mount. Secure the lock.
5. Tighten all bolts on the ball mount securely to prevent movement.

6-INCH ADJUSTABLE HEIGHT

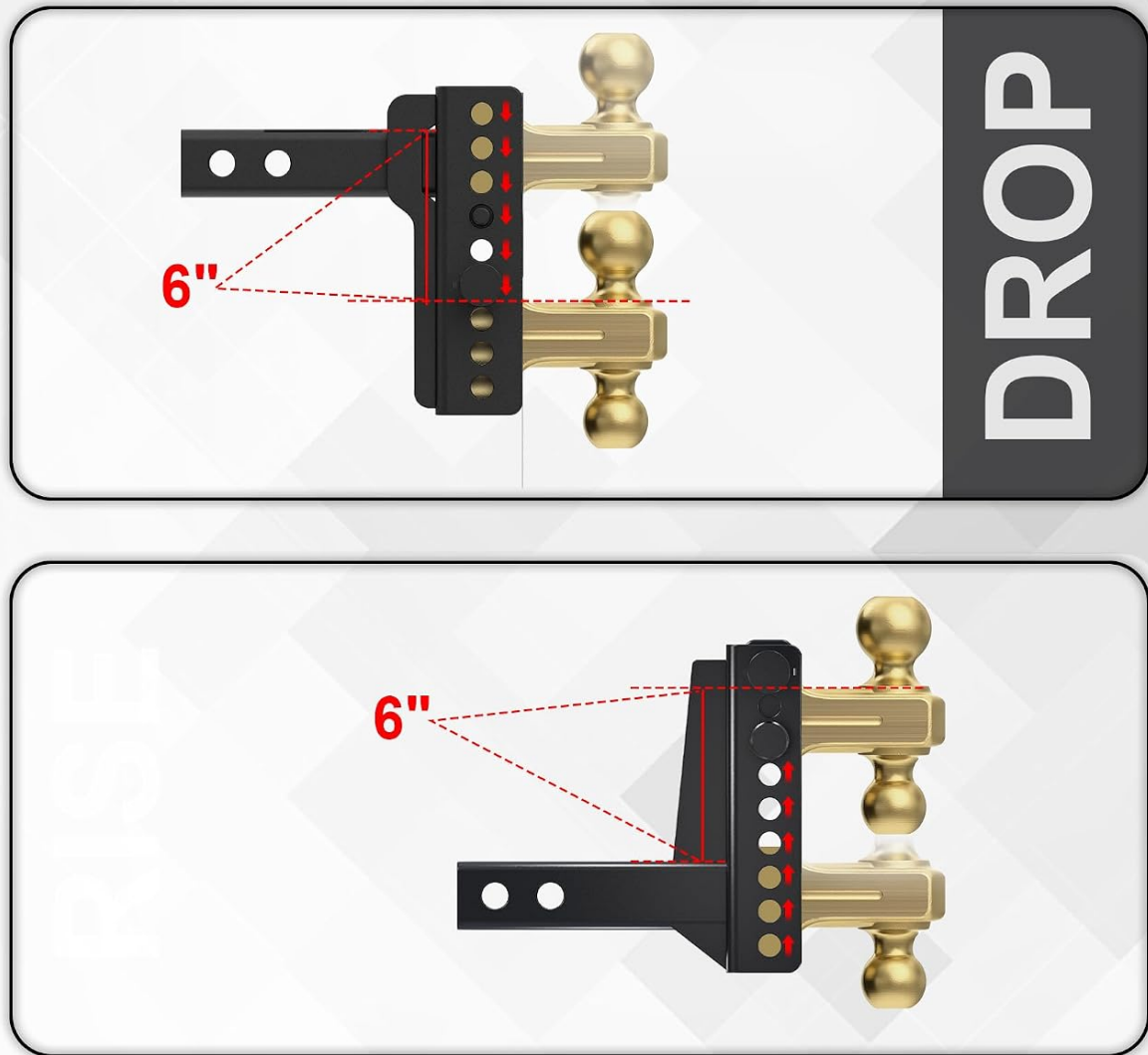


Figure 4.1: Illustration of the 6-inch drop and rise adjustment capability of the hitch, demonstrating how to position the ball mount for level towing.

ADJUSTABLE HEIGHT

Level Towing, Fits Various Vehicles

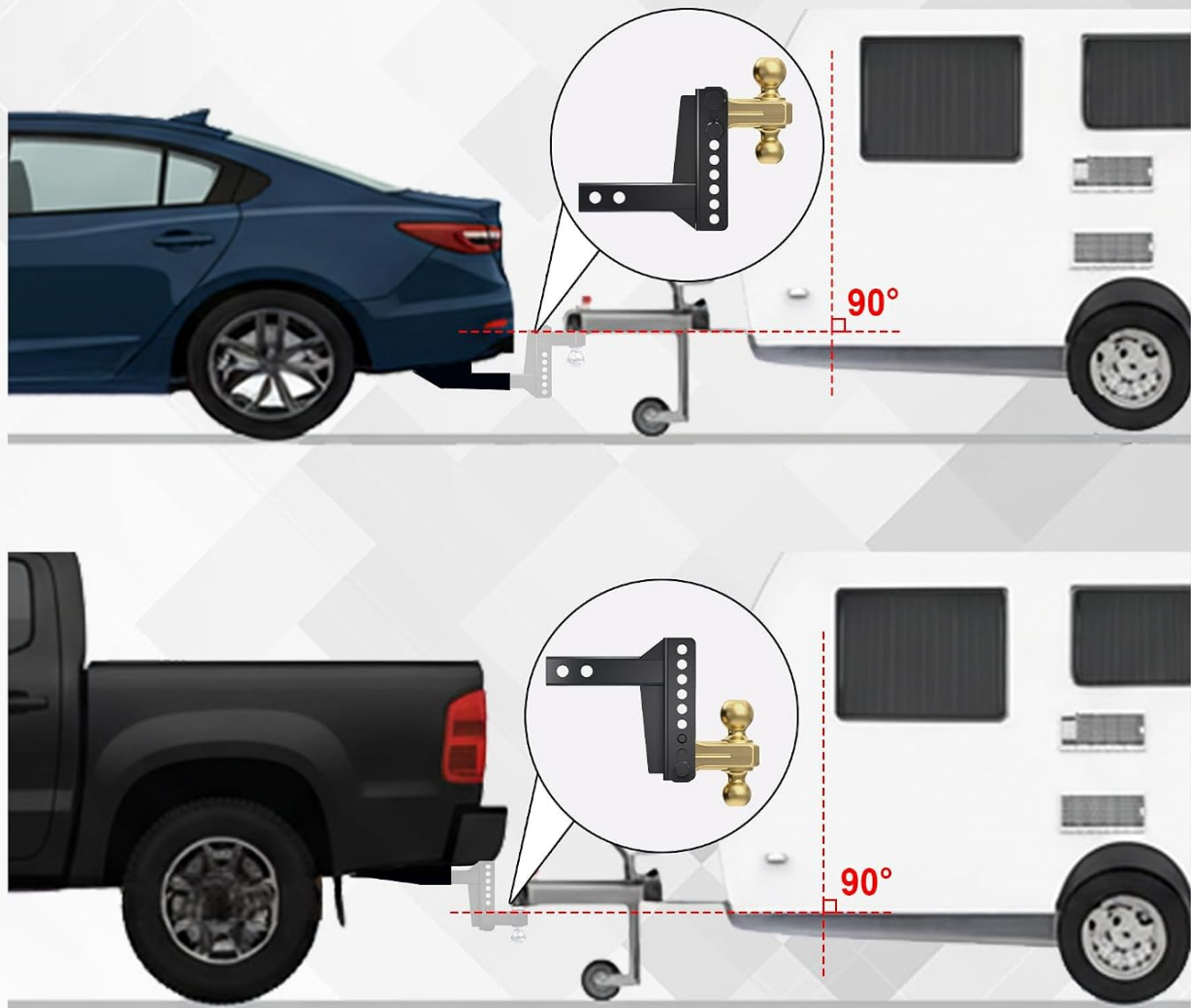


Figure 4.2: Examples of the adjustable hitch in use, showing how it helps maintain level towing for various vehicle and trailer heights.

4.3 Using the Hitch Tightener

The included hitch tightener helps reduce rattling and movement between the hitch shank and the receiver.

1. Once the hitch shank is inserted and pinned into the receiver, position the hitch tightener around the receiver and shank.
2. Tighten the bolts on the hitch tightener evenly until the movement is minimized. Do not overtighten.



Figure 4.3: Close-up view of the hitch tightener, designed to reduce play and rattling between the hitch and receiver.

5. OPERATING INSTRUCTIONS

5.1 Connecting a Trailer

1. Select the appropriate ball size (2" or 2-5/16") for your trailer coupler.
2. Back your vehicle slowly towards the trailer, aligning the hitch ball with the trailer coupler.
3. Lower the trailer coupler onto the hitch ball. Ensure the coupler fully engages and locks onto the ball.
4. Attach the trailer's safety chains to your vehicle's hitch chain loops, crossing them under the coupler.
5. Connect the trailer's electrical wiring to your vehicle's connector.
6. Perform a light check (turn signals, brake lights, running lights) and ensure all connections are secure before driving.

5.2 Towing Considerations

- **Pre-Trip Inspection:** Always perform a thorough inspection of your vehicle, trailer, and hitch system before each trip.
- **Weight Distribution:** Ensure the trailer load is balanced to prevent sway and maintain control.
- **Speed:** Adhere to posted speed limits and reduce speed when towing, especially in adverse weather conditions.
- **Braking:** Allow for significantly longer braking distances when towing.
- **Turns:** Make wider turns to avoid hitting curbs or other obstacles with the trailer.

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Video 5.1: An overview of the TYT adjustable dual ball hitch, demonstrating its features and gold finish. This video highlights the product's design and functionality.

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Video 5.2: A demonstration of the solid steel adjustable hitch with 2-inch and 2-5/16-inch balls, showcasing its robust construction and ease of use.

6. MAINTENANCE

Proper maintenance will extend the life of your TYT Adjustable Truck Trailer Hitch.

- **Cleaning:** Clean the hitch regularly with mild soap and water. Rinse thoroughly and dry to prevent water spots and corrosion.
- **Lubrication:** Apply a thin layer of grease to the hitch balls and any moving parts (e.g., adjustment points) periodically to ensure smooth operation and prevent rust.
- **Inspection:** Regularly check for signs of wear, cracks, bends, or corrosion on all components, especially the shank, ball mount, and hitch balls. Replace any damaged parts immediately.
- **Storage:** When not in use, store the hitch in a dry place to protect it from the elements.

7. TROUBLESHOOTING

If you encounter issues with your hitch, consider the following common solutions:

- **Hitch Rattling:** Ensure the hitch tightener is properly installed and tightened. Check that all pins are fully engaged.
- **Difficulty Adjusting Height:** Loosen the adjustment bolts sufficiently. Clean any dirt or debris from the adjustment channels and apply lubricant if necessary.
- **Corrosion/Rust:** Clean affected areas and apply a rust-inhibiting primer and paint. For severe corrosion, consider replacing the component. Regular cleaning and lubrication can prevent this.
- **Loose Hitch Balls:** Ensure the hitch balls are securely fastened to the ball mount. If they become loose, re-tighten them according to manufacturer specifications.

8. SPECIFICATIONS

Feature	Specification
Brand	TYT
Model Number	PP3PL30049-US
Receiver Size	2 inch
Ball Sizes	2 inch & 2-5/16 inch
Gross Trailer Weight (GTW)	14,000 lbs
Tongue Weight (TW)	1,400 lbs
Drop/Rise Adjustment	6 inches
Material	Solid Steel
Finish Type	Powder Coated (Gold on balls)
Included Components	Hitch, Dual Balls, 2 Locking Pins, Hitch Tightener, Safety Pin
UPC	850083272494

9. WARRANTY INFORMATION

This product is covered by a manufacturer’s warranty. For specific details regarding the warranty period and coverage, please refer to the documentation included with your purchase or visit the official TYT website. Keep your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

If you have any questions, require assistance with installation, or need troubleshooting support, please contact TYT customer service. Refer to your product packaging or the TYT official website for contact information.

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