

## ECOTRIC ET-055-Z1

# ECOTRIC Gooseneck Trailer Hitch Instruction Manual

Model: ET-055-Z1 | Compatible with 1999-2016 Ford F-250 & F-350 Super Duty Pickups

## 1. PRODUCT OVERVIEW

The ECOTRIC Gooseneck Trailer Hitch is designed for heavy-duty towing applications, providing a secure connection for gooseneck trailers. This custom-fit under-bed mounting system is specifically engineered for 1999-2016 Ford F-250 and F-350 Super Duty pickups. It allows full use of the truck bed area when not towing and accommodates standard vehicle suspensions without altering original equipment exhaust systems.

Constructed from high-quality alloy steel and finished with a black powder coating, this hitch is built for durability and corrosion resistance in various weather conditions.

### Key Features:

- **Compatibility:** Designed for 1999-2016 Ford F-250 & F-350 Super Duty Pickups ONLY. Not compatible with Cab & Chassis models.
- **Capacity:** Rated for 30,000 lbs. Gross Trailer Weight (GTW) and 7,500 lbs. Vertical Load (TW).
- **Ball Size:** Standard 2-5/16" high-strength chrome-plated ball. 3" ball optional.
- **Design:** Custom-fit under-bed mounting system for optimal bed space utilization.
- **Durability:** High-quality alloy steel construction with a black powder-coated finish for rust prevention and longevity.
- **Safety:** Includes spring-loaded safety chain loops.



Image 1: The ECOTRIC Gooseneck Trailer Hitch shown installed in a truck bed.

## 2. INSTALLATION INSTRUCTIONS

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Proper installation is crucial for the safe and effective operation of your gooseneck hitch. This kit includes all necessary hardware and instructions. While the instructions aim to be clear, professional installation is recommended if you are not mechanically inclined. Ensure your vehicle is parked on a level surface and the parking brake is engaged before beginning installation.

### 2.1. Pre-Installation Checks

- Verify all components listed in the product list are present.
- Ensure the vehicle frame and bed area are free from obstructions or damage that might interfere with installation.
- Gather necessary tools (not included): wrenches, sockets, torque wrench, drill (if required for specific steps), safety glasses, gloves.

# PRODUCT LIST



The package includes installation accessories and instructions

It is installed with screws, screws, and U-bolts



Image 2: Included components and hardware for the hitch system.

## 2.2. General Installation Steps

1. **Assemble the Main Frame:** Attach the side plates to the main crossbar assembly using the provided bolts and nuts. Ensure all connections are snug but do not fully tighten yet.
2. **Position in Truck Bed:** Carefully position the assembled hitch frame under the truck bed. The custom-fit design should align with existing frame holes. Some installations may require temporarily loosening bed bolts to slightly raise the bed for easier access.
3. **Secure to Frame:** Attach the hitch frame to the vehicle's chassis using the specified bolts, washers, and nuts. Ensure all mounting points are utilized.
4. **Install Gooseneck Ball Assembly:** Insert the gooseneck ball into its receiver in the main crossbar. Secure it according to the instructions, ensuring the spring-loaded safety lock mechanism functions correctly.
5. **Install Safety Chain Loops:** Attach the spring-loaded safety chain loops to the designated points on the hitch frame.
6. **Final Tightening:** Once all components are in place and aligned, progressively tighten all bolts to the torque specifications provided in the detailed instruction sheet. Refer to the specific torque values for each bolt size.
7. **Post-Installation Check:** Double-check all fasteners for tightness. Ensure the gooseneck ball engages and disengages

smoothly. Verify there is no interference with vehicle components like the exhaust system or suspension.



Image 3: Visual guide to the installation process and safety lock feature.



Image 4: Various views of the hitch installed in a truck bed and its undercarriage mounting.

## 2.3. Installation Video Guide

For a visual guide on the installation process, please refer to the video below. This video demonstrates key steps and features of the ECOTRIC Gooseneck Trailer Hitch.

Your browser does not support the video tag.

Video 1: Detailed installation overview for the Gooseneck Trailer Hitch.

## 3. OPERATING INSTRUCTIONS

Operating your ECOTRIC Gooseneck Trailer Hitch involves proper connection and disconnection procedures to ensure safe towing.

### 3.1. Connecting a Gooseneck Trailer

1. **Prepare Truck:** Ensure the gooseneck ball is securely locked in place.

2. **Position Trailer:** Back your truck up to the trailer, aligning the gooseneck coupler directly over the hitch ball.
3. **Lower Coupler:** Use the trailer's jack to slowly lower the gooseneck coupler onto the hitch ball. Ensure the coupler fully seats over the ball.
4. **Secure Coupler:** Engage the trailer's coupler locking mechanism according to the trailer manufacturer's instructions. Verify it is securely latched.
5. **Connect Safety Chains:** Attach the trailer's safety chains to the spring-loaded safety chain loops on the hitch. Cross the chains under the gooseneck to create a cradle in case of detachment.
6. **Connect Electrical:** Plug in the trailer's electrical connector to the truck's receptacle. Test all trailer lights (brake, turn signals, running lights).
7. **Raise Trailer Jack:** Fully retract the trailer's landing gear/jack.

### 3.2. Disconnecting a Gooseneck Trailer

1. **Park Safely:** Park the truck and trailer on a level surface, engage the truck's parking brake, and block the trailer wheels.
2. **Lower Trailer Jack:** Extend the trailer's landing gear/jack until it supports the trailer's weight.
3. **Disconnect Electrical:** Unplug the trailer's electrical connector.
4. **Disconnect Safety Chains:** Remove the safety chains from the hitch loops.
5. **Release Coupler:** Disengage the trailer's coupler locking mechanism.
6. **Raise Trailer:** Use the trailer's jack to raise the coupler clear of the gooseneck ball.
7. **Drive Away:** Slowly drive the truck forward, away from the trailer.

### 3.3. Removing/Storing the Gooseneck Ball

When not towing, the gooseneck ball can be removed to allow full use of the truck bed. Follow the instructions provided with your hitch for specific ball removal procedures, typically involving a release lever or pin.

Your browser does not support the video tag.

Video 2: Demonstration of the gooseneck hitch features, including ball operation.

## 4. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your ECOTRIC Gooseneck Trailer Hitch.

- **Inspect Before Each Use:** Before each towing trip, visually inspect the hitch for any signs of wear, damage, cracks, or loose fasteners. Check the gooseneck ball for excessive wear or corrosion.
- **Clean:** Keep the hitch components clean, especially the gooseneck ball and its receiver. Remove dirt, grime, and road salt.
- **Lubricate:** Apply a thin layer of grease to the gooseneck ball and the locking mechanism periodically to ensure smooth operation and prevent corrosion.
- **Check Fasteners:** Periodically re-torque all mounting bolts to the manufacturer's specifications, especially after the first few towing trips.
- **Corrosion Protection:** The powder-coated finish provides good corrosion resistance. If any scratches or chips occur, touch them up with rust-inhibiting paint to prevent rust.

## 5. TROUBLESHOOTING

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

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem                                       | Possible Cause                                                              | Solution                                                                                                                                                                                   |
|-----------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gooseneck ball difficult to engage/disengage. | Lack of lubrication, dirt/debris, damaged mechanism.                        | Clean and lubricate the ball and locking mechanism. Inspect for damage.                                                                                                                    |
| Excessive noise during towing.                | Loose fasteners, worn components, improper trailer connection.              | Check and re-torque all mounting bolts. Inspect for wear. Ensure trailer coupler is properly seated and locked.                                                                            |
| Hitch does not fit vehicle.                   | Incorrect vehicle model/year, Cab & Chassis model.                          | Verify vehicle compatibility (1999-2016 Ford F-250 & F-350 Super Duty Pickups ONLY, NOT Cab & Chassis). Contact customer support if compatibility is confirmed and fitment issues persist. |
| Rust appearing on hitch.                      | Scratches or chips in powder coating, prolonged exposure to harsh elements. | Clean affected area, sand lightly, and apply rust-inhibiting paint. Regular cleaning and inspection can prevent this.                                                                      |

## 6. SPECIFICATIONS

Detailed specifications for the ECOTRIC Gooseneck Trailer Hitch.

| Specification                 | Detail                                                                   |
|-------------------------------|--------------------------------------------------------------------------|
| Brand                         | ECOTRIC                                                                  |
| Model Number                  | ET-055-Z1                                                                |
| Compatible Vehicle Type       | 1999-2016 Ford F-250 & F-350 Super Duty Pickups (Excludes Cab & Chassis) |
| Material                      | Alloy Steel                                                              |
| Finish Type                   | Powder Coated (Black)                                                    |
| Gooseneck Ball Size           | 2-5/16" (Standard), 3" (Optional)                                        |
| Gross Trailer Weight (GTW)    | 30,000 lbs.                                                              |
| Vertical Load (Tongue Weight) | 7,500 lbs.                                                               |
| Item Weight                   | 37.22 kg (approx. 82 lbs)                                                |
| Included Components           | 1 X Gooseneck Trailer Hitch (complete kit with hardware)                 |

# TRAILER HITCH SYSTEM KIT

3" ball optional

Rated for 30000 lbs

Gross trailer weight

7500 lbs

Vertical Load

30000 lbs



Gross vehicle weight rating

Weight Carrying

7500 lbs(TW/GTW)

Weight Distributing

30000 lbs(TW/GTW)

Image 5: Weight ratings and system overview.

# **PRECISION-ENGINEERED HITCH BALL**

High Load Capacity & Structural Integrity

## **POWER COATED FINISH**

Corrosion-Resistant & Abrasion-Resistant Coating



Image 6: Close-up of the precision-engineered hitch ball.

## **7. WARRANTY AND SUPPORT**

For warranty information, technical support, or assistance with installation and operation, please refer to the contact information provided with your purchase or visit the official ECOTRIC website. Keep your purchase receipt for warranty claims.

**Customer Support:** If you encounter any issues or have questions, please contact ECOTRIC customer service. Details can typically be found on the product packaging or the brand's official online presence.

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This manual is for informational purposes only. Always follow local towing laws and safety guidelines.

## 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

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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**