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Ford XL3Z-14489-BA-1

Instruction Manual: 2004-2019 Ford F150 Explorer OEM 7 Pin Trailer Tow Wire Harness Connector Plug

Model: XL3Z-14489-BA-1

Product Overview

This OEM 7 Pin Trailer Tow Wire Harness Connector Plug is designed for Ford and Lincoln vehicles, enabling safe and effective trailer towing. It is a direct replacement part, ensuring compatibility and reliable performance. The connector features a female type with one terminal quantity and comes in a black finish.



Image: Front view of the 7-pin trailer tow wire harness connector plug, showing the main housing and connection points.

Compatibility

This connector plug is a direct replacement fitment type for various Ford and Lincoln models with a factory tow package. Please verify your vehicle's specific requirements before installation.

- 2004-2008 Ford F-150 Models with Factory Tow Package

- 2009-2019 Ford Flex Models with Factory Tow Package
- 2011-2017 Ford Explorer Models with Factory Tow Package
- 2013-2017 Ford Police Interceptor Utility Models with Factory Tow Package
- 2006-2008 Lincoln Mark LT Models with Factory Tow Package
- 2010-2019 Lincoln MKT Models with Factory Tow Package

What's in the Box

The package includes the following:

- One (1) OEM 7 Pin Trailer Tow Wire Harness Connector Plug

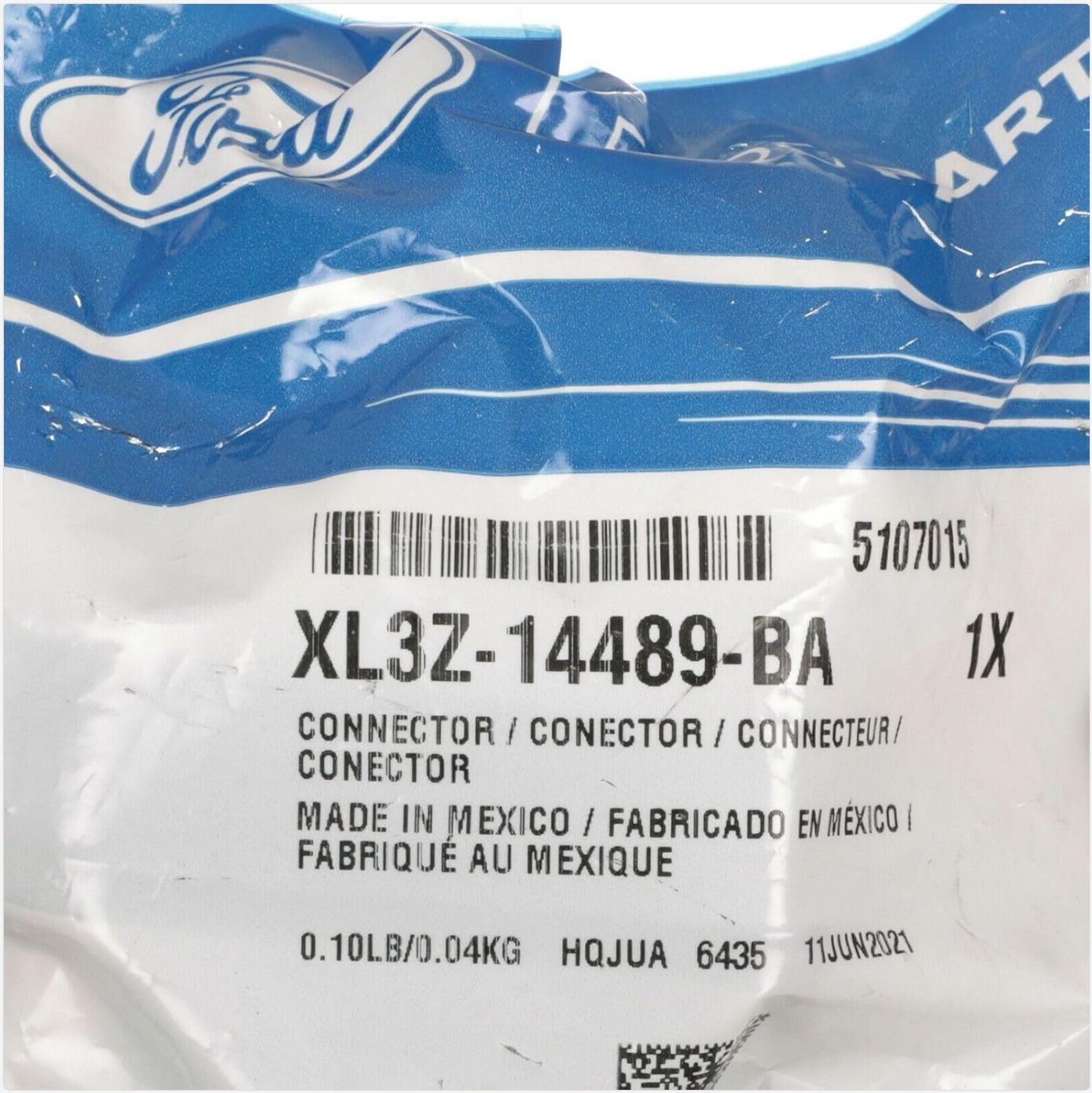


Image: The product packaging, showing the Ford OEM part number XL3Z-14489-BA and manufacturing details.

Setup and Installation

This 7-pin trailer tow wire harness connector plug is designed as a direct replacement part. Installation typically involves disconnecting the existing connector and plugging in the new OEM part. Professional installation is recommended to ensure proper wiring and functionality, especially for critical towing components.

General Installation Steps (Consult Vehicle Service Manual for Specifics):

1. **Safety First:** Ensure the vehicle is turned off, the parking brake is engaged, and the battery is disconnected before beginning any electrical work.
2. **Locate Existing Connector:** Identify the current 7-pin trailer tow connector on your vehicle, typically located near the hitch receiver.
3. **Disconnect Old Connector:** Carefully unclip or unbolt the old connector. Note the orientation and wiring if possible, though OEM replacements are usually plug-and-play.
4. **Inspect Wiring:** Check the vehicle's wiring harness for any signs of corrosion, damage, or wear. Address any issues before proceeding.
5. **Connect New Plug:** Align the new OEM 7-pin connector with the vehicle's harness and firmly push it into place until it clicks or is securely bolted.
6. **Secure Mounting:** Ensure the new connector is securely mounted to the vehicle's frame or bumper, preventing movement or damage during towing.
7. **Test Functionality:** Reconnect the vehicle battery. Using a trailer or a trailer light tester, verify that all functions (turn signals, brake lights, running lights, electric brakes, backup lights) are working correctly.



Image: Rear view of the connector, displaying the seven electrical pins designed for secure and reliable connection to the vehicle's wiring harness.

Operating Instructions

Once installed, the 7-pin trailer tow wire harness connector functions automatically when a compatible trailer is connected. It provides electrical connections for trailer lights (running lights, brake lights, turn signals), electric brakes, and auxiliary power.

- **Connecting a Trailer:** Align the trailer's 7-pin plug with the vehicle's connector and push firmly until it is fully seated and locked.
- **Disconnecting a Trailer:** Release any locking tabs or levers on the connector and pull the trailer plug straight out.
- **Pre-Tow Check:** Always perform a pre-tow inspection to ensure all trailer lights (turn signals, brake lights, running lights) are operational and the electric brakes (if equipped) are functioning correctly.



Image: An angled view of the 7-pin connector, highlighting the robust construction and the design of the male end for secure trailer plug insertion.

Maintenance

Regular maintenance of your trailer tow connector ensures reliable performance and longevity.

- **Keep Clean:** Periodically inspect the connector for dirt, debris, or corrosion. Clean with a soft brush and electrical contact cleaner if necessary.
- **Lubrication:** Apply a small amount of dielectric grease to the pins to prevent corrosion and ensure good electrical contact.
- **Inspect for Damage:** Check for any cracks, bent pins, or loose wiring. Replace the connector if significant damage is observed.
- **Cover When Not in Use:** If your vehicle's connector has a cover, ensure it is closed when not towing to protect the pins from elements.



Image: Side profile of the 7-pin connector, illustrating its compact design and the spring-loaded cover mechanism.

Troubleshooting

If you experience issues with your trailer's electrical functions, consider the following common troubleshooting steps:

- **No Trailer Lights:**
  - Check vehicle fuses related to trailer towing.
  - Ensure the trailer plug is fully seated in the vehicle connector.
  - Inspect trailer wiring and bulbs for damage or corrosion.
- **Intermittent Connection:**
  - Clean the pins on both the vehicle connector and trailer plug.
  - Apply dielectric grease to the pins.
  - Check for loose wiring connections at the back of the vehicle connector.

- **Electric Brakes Not Working:**
  - Verify the brake controller in the vehicle is properly installed and configured.
  - Check the brake wire connection at the connector and on the trailer.
  - Inspect trailer brake magnets and wiring.

If issues persist after basic troubleshooting, it is recommended to consult a qualified automotive technician.

Specifications

Feature	Detail
Brand	Ford
Model	F-150 / Flex / Explorer / Mark LT (Connector Model: XL3Z-14489-BA-1)
Item Weight	1.6 ounces
Product Dimensions	3.5 x 3.13 x 2.88 inches
Manufacturer Part Number	XL3Z-14489-BA-1
Position	Rear
Connector Type	7 Pin Female
Color	Black
Fitment Type	Direct Replacement
Certifications	OE Certified, meets other necessary certifications for safe towing

Warranty Information

This OEM 7 Pin Trailer Tow Wire Harness Connector Plug comes with a**2-year Manufacturer warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.
For specific warranty terms and conditions, refer to the official Ford parts warranty documentation or contact Ford customer service.

Support and Contact

If you have any questions regarding the installation, operation, or troubleshooting of your Ford OEM 7 Pin Trailer Tow Wire Harness Connector Plug, please feel free to contact the seller or an authorized Ford service center.
For general inquiries about Ford genuine parts, you may visit the official Ford website or contact their customer support.

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