

YITAMOTOR TOWING MIRROR

YITAMOTOR Towing Mirrors Instruction Manual

Model: TOWING MIRROR | Brand: YITAMOTOR

1. PRODUCT OVERVIEW

The YITAMOTOR Towing Mirrors are designed to enhance visibility and safety when towing, providing an extended view beyond standard mirrors. This pair of telescoping trailer tow mirrors includes both driver and passenger side units, featuring power adjustable and heated main mirrors, manually adjustable convex lenses, and integrated turn signal indicators. They are engineered for specific Ford Super Duty and Excursion models, offering a direct plug-and-play installation.



Image 1.1: A pair of YITAMOTOR Towing Mirrors, showcasing their design and integrated turn signal.

2. COMPATIBILITY AND FITMENT

These towing mirrors are compatible with the following vehicle models:

- Ford F250/F350/F450/F550 Super Duty: 1999-2007 models
- Ford Excursion: 2001-2005 models
- Ford F250 F350 F450 truck: 2003-2007 models
- Ford F250 F350 F450 trucks: 1999-2003 models (*with adapter, upgrade to 08 Superduty Retrofit*)

Important Note: Please verify that your vehicle possesses the corresponding functions (e.g., turn signal, power adjustment, heating) that these towing mirrors offer. If your vehicle does not have these functions, the respective features of the towing mirrors will not be operational.

3. FEATURES

The YITAMOTOR Towing Mirrors are equipped with several features designed to improve your driving and towing experience:

- **Power Adjustable Plane Mirror:** The main upper mirror can be electrically adjusted for optimal viewing angles.
- **Power Heated Plane Mirror:** The main upper mirror includes a heating element to clear frost, ice, and fog, ensuring clear visibility in adverse weather conditions.
- **Manually Adjustable Convex Lens:** The lower convex mirror provides a wider field of view and can be manually adjusted to minimize blind spots.
- **Turn Signal Indicators:** Integrated signal lights enhance safety by clearly indicating your turning intentions to other drivers.
- **Manual Telescoping:** The mirrors can be manually extended outwards to provide a broader view when towing wide loads.
- **Manual Folding:** The mirrors can be manually folded inwards, useful for parking in tight spaces or navigating narrow passages.



Image 3.1: Detailed view of the mirror surfaces, highlighting the power-heated, power-adjustable plane mirror and the manually adjustable convex lens.

POWER HEATED

Remove moisture to keep the rear view clear



Image 3.2: Illustration of the power heated function, showing how it removes moisture for clear rear view.

TURN SIGNAL

Excellent color rendering, less optical loss



Image 3.3: The integrated turn signal light on the mirror, providing excellent color rendering and less optical loss.

MANUAL-FOLDING

Fold away to avoid obstacles



Image 3.4: The manual folding capability of the mirror, allowing it to fold away to avoid obstacles.

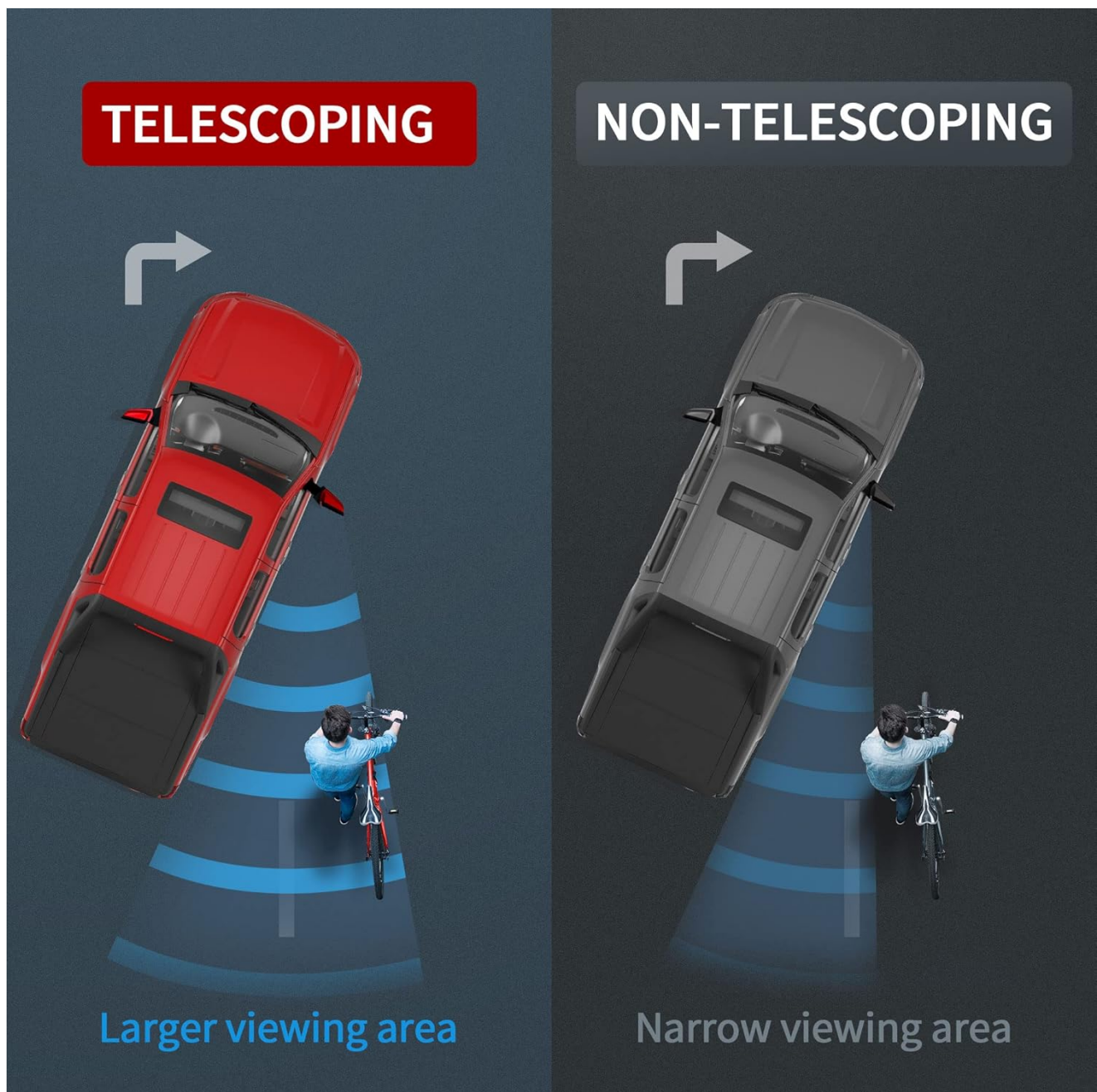


Image 3.5: Visual comparison demonstrating the larger viewing area provided by telescoping mirrors.

4. PACKAGE CONTENTS

Upon opening the package, you should find the following items:

- One (1) Driver Side Telescoping Trailer Tow Mirror
- One (1) Passenger Side Telescoping Trailer Tow Mirror

The side mirror length is approximately 16.5 inches when closed and 19.25 inches when extended. The main mirror face size is approximately 13 inches by 9 inches.

5. SETUP AND INSTALLATION

Installation of the YITAMOTOR Towing Mirrors is designed to be straightforward, often requiring no drilling or modifications. Professional installation is highly recommended to ensure proper function and safety.

Installation Steps:

1. **Prepare the Vehicle:** Ensure the vehicle is turned off and the parking brake is engaged.
2. **Remove Old Mirror:** Carefully remove the plastic plate covering the mirror mounting bolts inside the door using a screwdriver.
3. **Disconnect Wiring:** Disconnect the wiring harness from the existing mirror.
4. **Unbolt Old Mirror:** Remove the screws that fix the old mirror to the door frame.
5. **Install New Mirror:** Position the new YITAMOTOR towing mirror and connect its plugs to the corresponding power cord in the vehicle's door.
6. **Secure New Mirror:** Bolt the new mirror securely to the door frame.
7. **Reinstall Trim:** Screw the door trim back into place and fix the plastic plate again.

PLUG AND PLAY

Getting a FORD wiring diagram online makes installation straightforward.

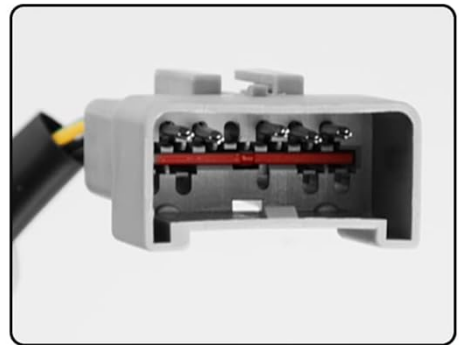
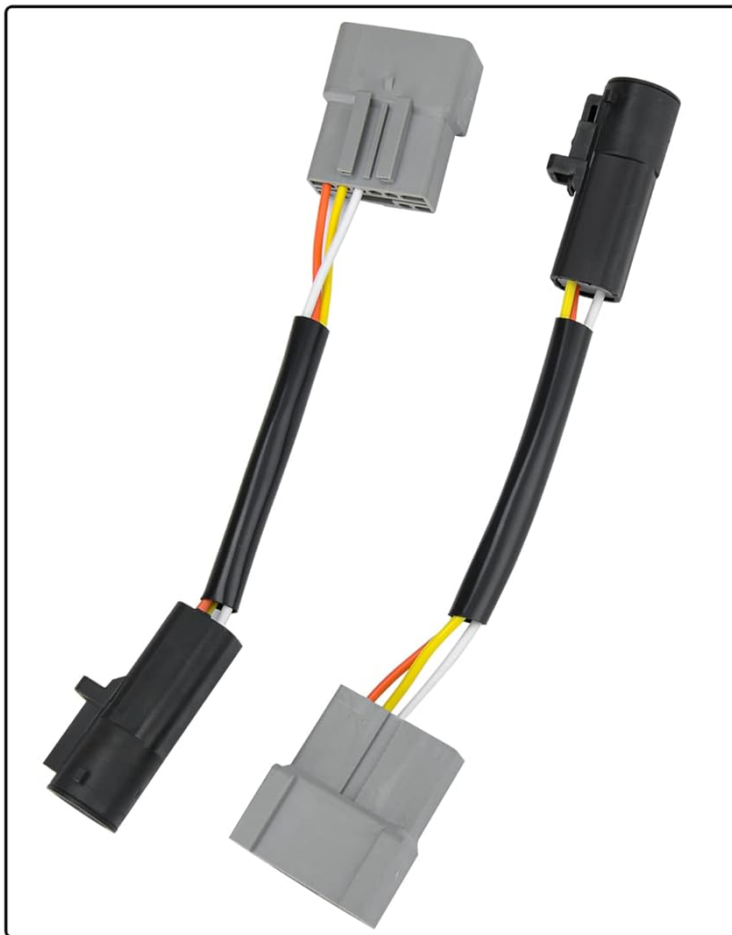


Image 5.1: The plug-and-play wiring harness, simplifying installation by connecting directly to the vehicle's power cord.



Image 5.2: Visual guide for the plug-and-play installation process, showing removal of plastic plate, screws, connecting wires, and reassembly.

6. OPERATING INSTRUCTIONS

Once installed, operate your YITAMOTOR Towing Mirrors as follows:

- **Power Adjustment:** Use your vehicle's existing mirror control switch to adjust the main upper mirror glass position.
- **Heated Function:** Activate the heated mirror function via your vehicle's defroster or dedicated mirror heat switch, if equipped. This will clear condensation, frost, or ice from the main mirror surface.
- **Convex Lens Adjustment:** Manually adjust the lower convex mirror by gently pushing on its surface to achieve the desired wide-angle view.
- **Telescoping:** To extend the mirrors for towing, grasp the mirror housing and manually pull it outwards until it locks into the extended position. To retract, push the mirror housing inwards until it locks into the standard position.
- **Folding:** To fold the mirrors, grasp the mirror housing and manually pivot it towards the vehicle body. To return to the driving position, pivot it back outwards until it locks into place.



Image 6.1: Illustration of the power adjustment capability for the main mirror glass.



Image 6.2: Illustration of the manual folding mechanism of the mirror.

7. MAINTENANCE

To ensure the longevity and optimal performance of your YITAMOTOR Towing Mirrors, follow these maintenance guidelines:

- **Regular Cleaning:** Clean the mirror surfaces and housing regularly with a mild automotive cleaner and a soft cloth. Avoid abrasive cleaners that could scratch the mirror or plastic.
- **Inspect Wiring:** Periodically check the wiring connections for any signs of wear, corrosion, or looseness.
- **Lubrication:** For manual telescoping and folding mechanisms, a silicone-based lubricant can be applied to moving parts if they become stiff, but avoid overspray on mirror surfaces.
- **Damage Inspection:** After any impact or off-road use, inspect the mirrors for cracks, loose components, or damage to the housing.

8. TROUBLESHOOTING

If you encounter issues with your towing mirrors, consider the following:

- **Non-functional Features:** If a specific feature (e.g., turn signal, heat, power adjustment) does not work, first verify that your vehicle originally came equipped with that function. These mirrors are designed to utilize existing vehicle wiring and functions.
- **Loose or Rattling Mirror Glass:** Ensure all mounting bolts are securely tightened. If the mirror glass itself is loose, it may indicate an internal issue requiring professional inspection.
- **Difficulty Folding/Telescoping:** Ensure no debris is obstructing the mechanism. A small amount of silicone lubricant can help if the movement is stiff.
- **Ambient Air Temperature Sensor:** Some Ford models (particularly 2008-2016 Super Duty) have an ambient air temperature sensor built into the passenger side mirror. These YITAMOTOR mirrors for 99-07 models may not include a provision for this sensor. If your vehicle requires this sensor and it is not present or connected, it may result in dashboard warning lights (e.g., check engine light) or incorrect temperature readings. Consult a professional if this issue arises.

9. SPECIFICATIONS

Specification	Detail
Brand	YITAMOTOR
Model	TOWING MIRROR (MR-014-xS1y)

Specification	Detail
Auto Part Position	Front Left Outer, Front Right Outer
Color	Smoke Turn Signal
Mounting Type	Door Mount
Included Components	Towing mirror set (Driver and Passenger side)
Special Features	Dual Arm, Extendable, Signal Light, Smoke Light, Power Adjustable, Power Heated
Item Weight	22 Pounds (approximate for the set)
Product Dimensions (L x W x H)	21 x 15 x 20 inches (packaging/overall)
Mirror Length (Closed)	16.5 inches
Mirror Length (Extended)	19.25 inches
Mirror Face Size	13 x 9 inches
Lens Curvature	Flat (main) and Convex (lower)
Bulb Type	Halogen Lamp (for signal lights)
OEM Part Numbers	1C3Z17682FAA, 1C3Z17683FAA, 3C3Z17682DAA, 3C3Z17683DAA, FO1320227

PRODUCT DIMENSIONS

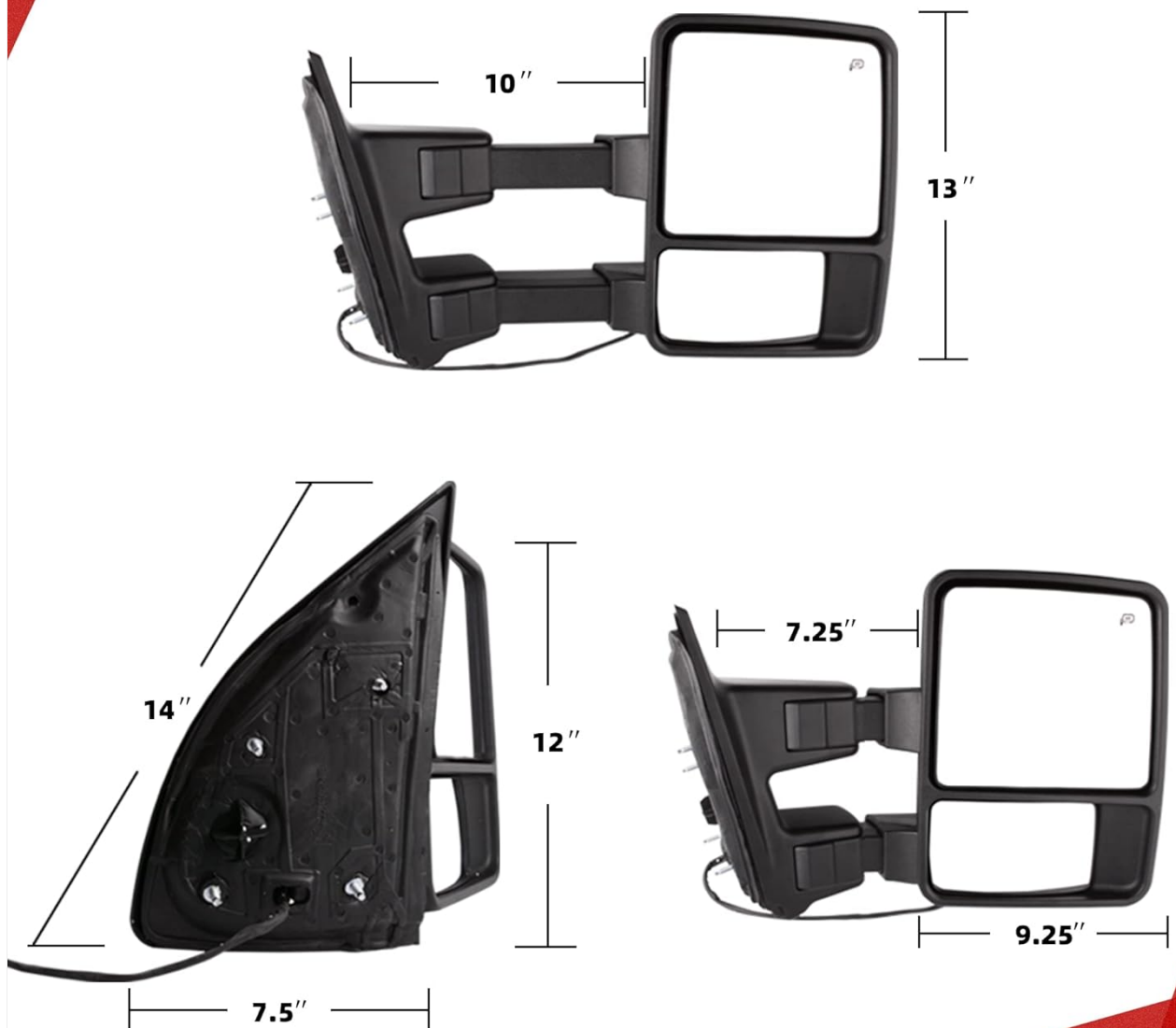
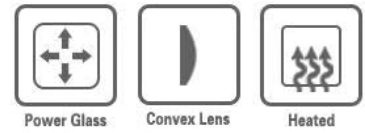


Image 9.1: Detailed product dimensions for the YITAMOTOR Towing Mirrors.



Turn Signal Light

Plane Glass

Convex Glass

DUAL GLASS-(PLANE GLASS+CONVEX GLASS)

Plane Glass: Reflect the object and distance

Convex Glass: Wider Visual Range

Image 9.2: Explanation of the dual glass system, featuring plane glass for object reflection and convex glass for wider visual range.

10. WARRANTY AND SUPPORT

For specific warranty information regarding your YITAMOTOR Towing Mirrors, please refer to the documentation included with your purchase or visit the official YITAMOTOR brand store. YITAMOTOR is committed to providing quality automotive parts and customer satisfaction.

For further assistance, technical support, or to inquire about replacement parts, please contact YITAMOTOR customer service through their official website or the retailer from whom the product was purchased.

You can visit the official YITAMOTOR store for more products and information:[YITAMOTOR Store](#)

	<p><u>YITAMOTOR Towing Mirrors Installation Instructions for Ford Super Duty (1999-2007) & Excursion (2001-2005)</u></p> <p>Comprehensive installation guide for YITAMOTOR power, heated, and signal towing mirrors designed for 1999-2007 Ford Super Duty trucks (F250, F350, F450, F550) and 2001-2005 Ford Excursion vehicles. Includes step-by-step instructions, important notes, and a detailed wiring diagram.</p>
	<p><u>YITAMOTOR Towing Mirrors Installation Guide for Ford F250-F550</u></p> <p>Step-by-step installation instructions for YITAMOTOR towing mirrors compatible with 1999-2007 Ford F250, F350, F450, and F550 Super Duty trucks. Includes wiring diagram and important notes for a successful installation.</p>
	<p><u>YITAMOTOR Tow Mirror Installation Guide for Ford F250-F550 Super Duty & Excursion</u></p> <p>Step-by-step installation instructions for YITAMOTOR tow mirrors (SKU6490) compatible with 1999-2016 Ford F-Series Super Duty trucks and 2000-2005 Ford Excursion models. Includes important notes and visual descriptions.</p>
	<p><u>YITAMOTOR Towing Mirrors Installation Guide for Chevy Silverado, GMC Sierra, Cadillac Yukon</u></p> <p>Detailed installation instructions for YITAMOTOR® towing mirrors compatible with 2007-2013 Chevy Silverado, GMC Sierra, and Cadillac Yukon models. Includes steps for door panel removal, mirror mounting, and wiring.</p>
	<p><u>YITAMOTOR Headlights Assembly Installation Guide for 1999-2004 Ford Super Duty</u></p> <p>Detailed installation guide for YITAMOTOR headlights assembly, compatible with 1999-2004 Ford F250, F350, F450, F550, Super Duty, and Excursion models. Includes pre-installation checks and step-by-step instructions.</p>
	<p><u>YITAMOTOR Headlight Assembly Installation Guide for Ford Excursion/Super Duty</u></p> <p>Step-by-step installation guide for YITAMOTOR black housing headlight assemblies for 2000-2004 Ford Excursion and 1999-2004 Ford F250, F350, F450, F550 Super Duty models. Includes product numbers and warm tips.</p>