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› Orion Motor Tech Tailgate Assist Shock OMT-43204 Instruction Manual

Orion Motor Tech OMT-43204

Orion Motor Tech Tailgate Assist Shock

MODEL: OMT-43204

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Orion Motor Tech Tailgate Assist Shock, Model OMT-43204. This product is designed to provide controlled lowering of your truck's tailgate, enhancing convenience and reducing wear on tailgate components. Please read this manual thoroughly before installation and use to ensure proper function and safety.

Safety Information

Always prioritize safety when working on your vehicle. Failure to follow safety guidelines may result in injury or damage to the product or vehicle.

- Ensure the vehicle is parked on a level surface with the parking brake engaged.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Do not attempt to modify the tailgate assist shock or its components.
- Keep hands and fingers clear of pinch points during installation and operation.
- If you are unsure about any step, consult a qualified automotive technician.

What's Included

Verify that all components are present before beginning installation:

- 1 x Tailgate Assist Shock
- 2 x Mount Plates (Zinc-Plated)

- 1 x Bolt
- 1 x Threadlocker
- 1 x Torx Wrench
- 1 x Mylar Sheet (for scratch protection)



Figure 1: All components included in the kit.

Setup (Installation)

The Orion Motor Tech Tailgate Assist Shock is designed for a quick and straightforward installation, typically completed in minutes without drilling. Refer to the following steps and diagrams.

Compatibility Notes:

- Compatible with 2015 to 2025 Ford F-150 models.
- For 2021-2025 F-150 models, one tie-down hook may need to be removed before installation.
- Not compatible with Pro Access Tailgates.

TAILORED FOR YOUR TRUCK

Reference Number **43204**

Please Note:
For 2021-2025 models, one tie-down hook may need to be removed before installation.

Not Compatible with Pro Access Tailgates

| Year | Make | Model |
|-----------|------|-------|
| 2015-2025 | Ford | F-150 |

Figure 2: Product compatibility and specific notes for F-150 models.

Installation Steps:

1. **Prepare the Tailgate Area:** Open your truck's tailgate. Identify the mounting points on the truck bed and the tailgate itself. Clean the areas if necessary.
2. **Apply Mylar Sheet:** Place the included mylar sheet on the truck body where the mount plate will be installed to prevent scratches.
3. **Install Mount Plates:** Attach the mount plates to the designated locations using the provided bolt and Torx wrench. Ensure they are securely fastened. Apply threadlocker to the bolt as instructed.
4. **Attach Shock:** Connect one end of the tailgate assist shock to the upper mount plate and the other end to the lower mount plate. The shock should snap into place on the ball studs.
5. **Test Operation:** Gently lower and raise the tailgate to confirm smooth and controlled movement.

5-MINUTE TAILGATE UPGRADE

Easily Install Without the Need for Drilling



Figure 3: Visual guide for installing the tailgate assist shock.

Installation Video:

Your browser does not support the video tag.

Video 1: Official installation guide for the Orion Motor Tech Tailgate Assist, demonstrating the steps for compatible F-150 models.

Operating Instructions

Once installed, the tailgate assist shock provides a controlled and smooth lowering action for your truck's tailgate.

This eliminates sudden drops and reduces the effort required to open the tailgate.

- To open the tailgate, simply unlatch it as usual. The assist shock will engage, allowing the tailgate to descend slowly and smoothly.
- To close the tailgate, lift it manually until it latches securely. The assist shock does not affect the closing mechanism.



Figure 4: Demonstrates the controlled tailgate lowering provided by the assist shock.

The Orion Motor Tech Tailgate Assist Shock is constructed from durable materials for long-lasting performance. Minimal maintenance is required.

- Periodically inspect the shock and mounting points for any signs of wear, damage, or corrosion.
- Ensure all bolts remain tight. Re-tighten if necessary.
- Keep the shock clean from excessive dirt or debris. Wipe with a damp cloth if needed.
- The internal components, including the salt bath nitrided piston rod and double oil seals, are designed for durability and leak-free operation in various weather conditions.

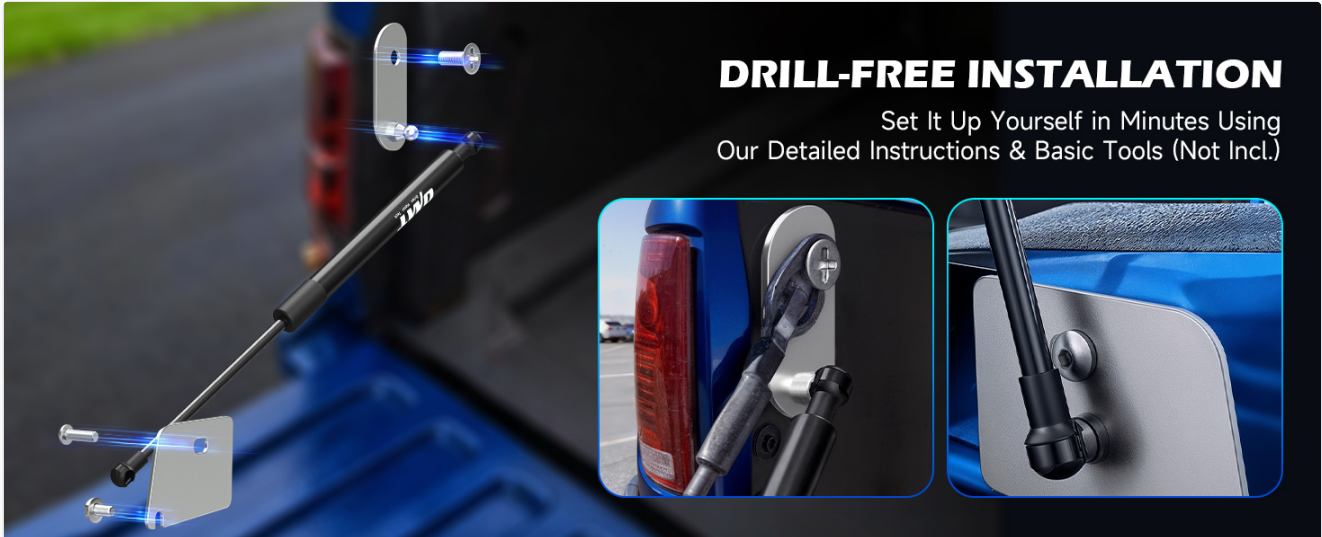


Figure 5: Internal components and construction features of the tailgate assist shock.

Troubleshooting

If you encounter issues with your tailgate assist shock, refer to the following common solutions:

- **Tailgate still drops hard:** Ensure the shock is correctly installed and securely attached at both ends. Check for any obstructions preventing the shock from fully extending or compressing. Verify that the correct model for your vehicle year is installed.
- **Bracket hitting the shock or vehicle body:** Re-check the positioning of the mount plates. Some vehicle models may require slight adjustments or ensuring certain bolts are not overtightened to allow proper clearance. Refer to the installation video for precise placement.
- **Unusual noises during operation:** Inspect all connection points for looseness. Ensure the shock is not rubbing against any part of the vehicle body or tailgate.
- **Shock appears damaged or leaking:** Discontinue use immediately. Contact customer support for assistance.

Specifications

| | |
|---------------------------|------------------|
| Brand | Orion Motor Tech |
| Model Number | OMT-43204 |
| Material | Alloy Steel |
| Exterior Finish | Silver |
| Auto Part Position | Rear |

| | |
|-----------------------------|------------------------|
| Vehicle Service Type | Truck |
| Compatible Vehicle | Ford F-150 (2015-2025) |
| Extended Length | 14.4 Inches |
| Compressed Length | 8.6 Inches |
| Item Weight | 0.01 Ounces |

Warranty

This Orion Motor Tech Tailgate Assist Shock comes with a 1-year manufacturer warranty. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

Support

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact Orion Motor Tech customer support through their official website or the retailer where the product was purchased. Have your model number (OMT-43204) and proof of purchase ready.

