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### ARIES 2500250

# ARIES 2500250 Rear Black Aluminum Tube Doors Instruction Manual

Brand: ARIES | Model: 2500250

## INTRODUCTION

The ARIES 2500250 Rear Black Aluminum Tube Doors are designed to enhance your Ford Bronco 4-Door's off-road experience by providing an open-air, safari-style feel. These doors improve visibility and sightlines, making them ideal for navigating challenging trails. Constructed from hardened T6 aluminum with a durable, textured black carbide powder coat finish, they offer strength, lightweight performance, and resistance to scratches and blemishes. The fabrication utilizes strong TIG welds for superior durability. Designed for quick installation using factory door hinges, these low-profile doors do not interfere with side-view mirrors or paint, and feature a unique, concealed internal latch mechanism for a sleek appearance.



Figure 1: ARIES 2500250 Rear Black Aluminum Tube Door.

## KEY FEATURES

- **Off-Road Style:** Robust and rugged look with a minimalist tubular design, adding a fun off-road style and feel.
- **Open-Air Design:** Provides a true safari-style experience and improved visibility for navigating rocky off-road trails.
- **Strong Construction:** Built with hardened T6 aluminum, ensuring strength and light weight. Features strong TIG welds to prevent cracking.
- **Durable Finish:** Textured black carbide powder coat finish prevents corrosion, scratches, and blemishes. Includes a liquid E-coat for enhanced corrosion resistance.
- **Easy Installation:** Designed to fit Ford Bronco factory door hinges for quick installation without body modification.
- **Low-Profile Design:** Will not scrape paint when opening and closing doors and works with factory side-view mirrors.
- **Concealed Latches:** Unique latch mechanism placed on the inside of the door for an inconspicuous and sleek look.

# FEATURES & BENEFITS

**Open design for off-road look and feel**



**Concealed, internal latches for a clean look**

**Simple installation using existing hinge points**

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Figure 2: Visual representation of key features including open design, concealed latches, strong T6 aluminum, and simple installation.

## INSTALLATION

### Pre-Installation Checklist

- Ensure all components are present as listed in the packaging.
- Gather necessary tools: (e.g., Socket Wrench Set, Torx Bit Set, Ratchet, Safety Glasses, Gloves).
- Park the vehicle on a level surface and engage the parking brake.
- Review all instructions and diagrams before beginning installation.

### Installation Steps

1. Carefully remove the factory rear doors from your Ford Bronco 4-Door. Refer to your vehicle's owner's manual for specific door removal procedures.
2. Align the ARIES tube door hinges with the factory door hinges on your Ford Bronco.
3. Secure the tube door to the vehicle using the provided hardware, ensuring a snug and secure fit. Do not overtighten.

4. Test the opening and closing mechanism of the tube door to ensure smooth operation and proper latch engagement.
5. Verify that the concealed internal latch mechanism functions correctly and provides a secure closure.
6. Repeat the process for the other rear tube door.
7. After installation, double-check all fasteners to ensure they are tightened to the manufacturer's specifications.



Figure 3: ARIES tube doors are designed for easy installation using existing Ford Bronco factory door hinges.

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Video 1: ARIES Tube Doors for Ford Bronco. This video demonstrates the appearance and fitment of the tube doors on a Ford Bronco.

## OPERATION

The ARIES tube doors provide an open-air driving experience. The unique latch mechanism is located on the inside of the door, offering a clean and inconspicuous exterior appearance. To open the door, simply operate the internal latch. Ensure the latch is fully engaged when closing the door to secure it properly. The low-profile design ensures

that the doors do not interfere with the vehicle's side-view mirrors or cause paint scraping during normal operation.



Figure 4: Close-up of the concealed, internal latch mechanism for a clean look.

## MAINTENANCE

To ensure the longevity and appearance of your ARIES tube doors, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the tube doors with mild soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the textured black carbide powder coat finish or the liquid E-coat. Rinse thoroughly and dry with a soft cloth.
- **Inspection:** Periodically inspect all mounting hardware and welds for any signs of loosening, wear, or damage. Tighten any loose fasteners as needed.
- **Corrosion Protection:** The liquid E-coat and powder coat finish provide excellent corrosion resistance. However, if the finish is scratched or chipped, touch up immediately to prevent rust, especially after exposure to harsh elements or off-road conditions.
- **Hinge Lubrication:** Apply a small amount of automotive-grade lubricant to the door hinges periodically to ensure

smooth operation and prevent squeaking.

## TROUBLESHOOTING

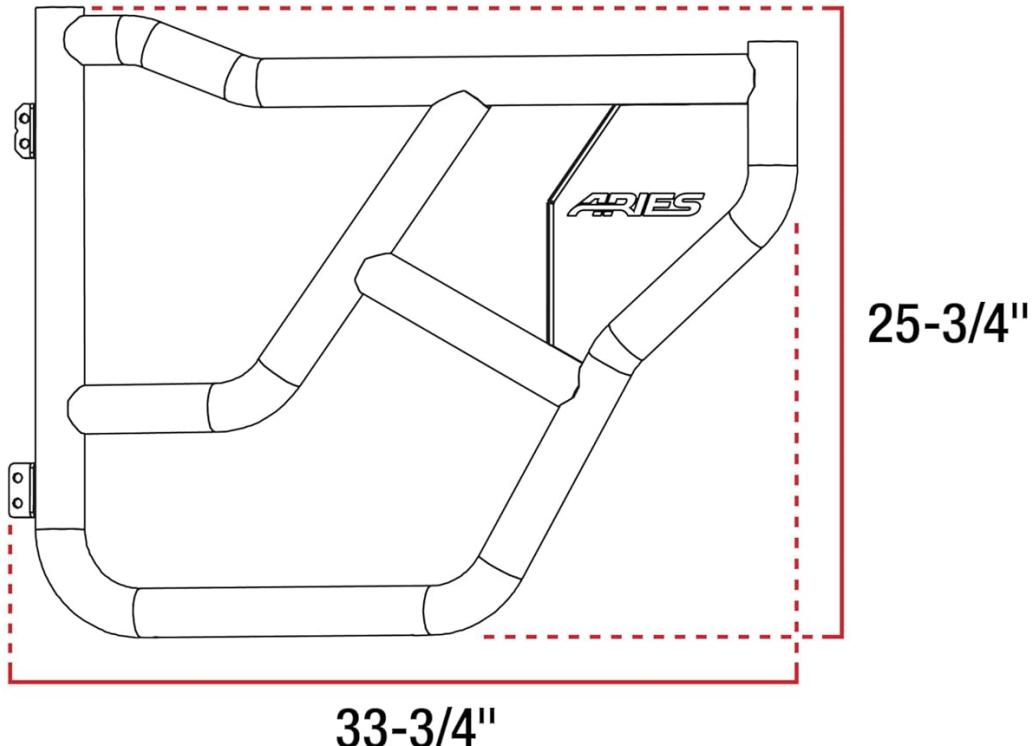
This section provides solutions to common issues you might encounter with your ARIES tube doors.

Problem	Possible Cause	Solution
Door does not close securely.	Latch mechanism obstructed or misaligned.	Check for debris in the latch. Ensure the latch aligns correctly with the strike plate. Adjust if necessary.
Squeaking noise when opening/closing.	Hinges require lubrication.	Apply automotive-grade lubricant to the door hinges.
Excessive movement or rattling.	Loose mounting hardware.	Inspect and tighten all mounting bolts and fasteners.

## SPECIFICATIONS

Attribute	Value
Brand	ARIES
Model Number	2500250
Material	Hardened T6 Aluminum
Color	Black
Exterior Finish	Textured Black Carbide Powder Coat, Liquid E-coat
Vehicle Service Type	Truck (Ford Bronco 4-Door)
Item Weight	13.22 Kilograms (approx. 29.1 pounds)
UPC	849055033683
Country of Origin	China
Package Dimensions	36 x 28 x 6.8 inches

# APPROXIMATE DIMENSIONS



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Figure 5: Approximate dimensions of the ARIES Tube Door (33-3/4" x 25-3/4").

## WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the official ARIES website or contact their customer service department. Keep your purchase receipt and product model number (2500250) handy for any inquiries.

**Manufacturer:** ARIES

**Website:** [www.ariesautomotive.com](http://www.ariesautomotive.com)