



SmartFold Users Guide

Bumper Pull Utility Trailer Owner's Manual Supplement

v.2024

WARNING

This Owner's Manual contains safety information and instructions for your trailer.

You must read this manual before loading or towing your trailer.

You must follow all safety precautions and instructions.

1. Introduction

Congratulations on the purchase of your SmartFold trailer.

To ensure your safety, please read this manual thoroughly before operating your trailer. If you have any questions, contact your dealer for assistance.

When contacting your dealer, have your VIN (Vehicle Identification Number) ready. You can find the VIN on the front left side of the trailer. For easy access, write your VIN in the space below:

VIN Number

This manual provides instructions specific to the SmartFold trailer feature. Be sure to read, understand, and follow all instructions from the trailer manufacturer, as well as from your tow vehicle and hitch manufacturers. Keep all manuals that come with your trailer in a safe place for future reference.

2. Safety

An Owner's Manual that provides general trailer information cannot cover all of the specific details necessary for the proper combination of every trailer tow vehicle and hitch. You must read, understand and follow the instructions given by the tow vehicle and trailer hitch manufacturers, as well as the instructions in this manual.

Our trailers are built with components produced by various manufacturers. Some of these items have separate instruction manuals. Where this manual indicates that you should read another manual, and you do not have that manual, contact your dealer for assistance.

The safety information in this manual is denoted by the safety alert symbol:



This symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

The level of risk is indicated by the following signal words:

DANGER

DANGER - Indicates a hazardous situation, which, if not avoided, WILL result in death or serious injury.

WARNING

WARNING - Indicates a hazardous situation, which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION - Indicates a hazardous situation, which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE - Indicates a situation that could result in damage to the equipment or other property.

3. SmartFold

3.1 SmartFold Mechanism

Always refer to the trailer Owner's Manual and follow all directions before using the SmartFold mechanism.

Two people must always work together to safely operate the SmartFold mechanism or gate, whether raising or lowering it.

SmartFold trailers have moving components that may create pinch points. Use caution when raising or lowering gates, side rails, or other moving parts to prevent injury.

Spring pins and other securing devices are attached with safety cords. Ensure these components are not lost and remain in good working order. Never operate the trailer without all securing devices properly installed.

Before raising or lowering the rails, check that no people, objects, straps, or trailer components obstruct the smooth operation of the SmartFold mechanisms.

Before every drive, ensure all bolts, nuts, washers, and structures are securely fastened and tightened.

For trailers with bolt-on tongues and/or fenders, inspect the retaining bolts before driving. Never stand on or place loads on the tongue or fenders.

3.2 How To Operate the SmartFold Mechanism

1. Park the trailer safely on a level surface and secure it before operating the SmartFold mechanism.
2. Chock the wheels and securely attach the trailer to the transport vehicle before beginning operation.
3. Exercise caution if the trailer is parked on uneven ground, an incline, or a decline, as the SmartFold mechanism or gate may fall under its own weight.
4. Ensure the transport vehicle is not positioned in the movement path of the folding mechanism.

The SmartFold mechanism is secured by two (2) spring pins, located on each side of the trailer at the rear top rail. The mechanism allows the gate to be positioned in one of three (3) configurations:

1. Open to the outside
2. Secured vertically
3. Folded into the trailer

WARNING

WARNING - If the gate is folded into the trailer, with the SmartFold mechanism in any configuration, the operator must secure the gate to the trailer frame before transporting the trailer on- or off-road.

Follow these steps carefully to ensure safe and proper operation of the SmartFold mechanism.

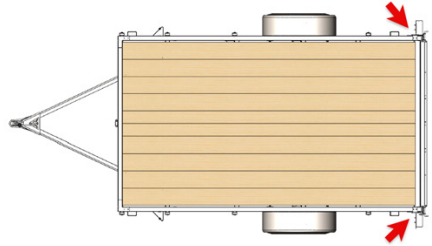
3.2.1 Lowering the SmartFold Rails

Follow these steps to safely lower the top rail:

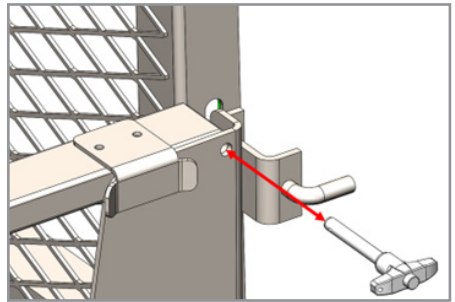
1. Inspect the Area: Ensure the top rail and the

surrounding area are clear of debris, people, limbs, animals, vehicles, or any other objects that could obstruct operation.

2. Grasp the Top Rail: Firmly hold the top rail at a safe location away from pinch points.



3. Remove the Spring Pins: Press the button on each spring pin and carefully remove the pins from both locations on the top rail.



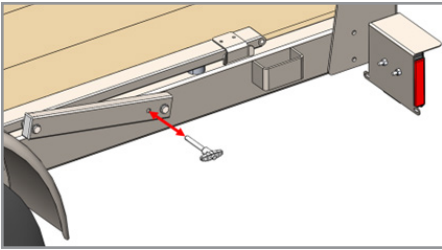
CAUTION

CAUTION - The top rail is now loose and could move into the closed position under the force of gravity. Use extreme caution around all rails and rotational mechanisms for potential pinch points. Only use the SmartFold mechanism when trailer is on a level surface.

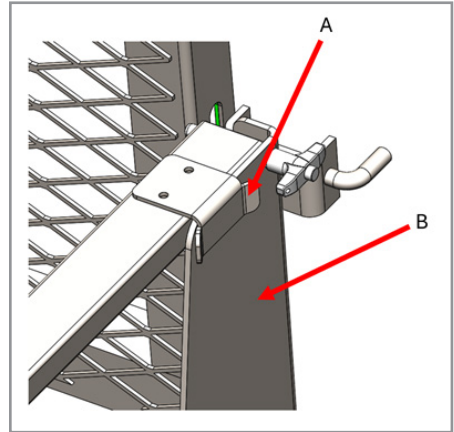
CAUTION

CAUTION - Do not allow children to operate the SmartFold mechanism without adult supervision. The top rail can have substantial weight.

4. Lower the Top Rail: Move to the front of the trailer, securely grasp the front rail, and lower the top rail slowly and safely to its resting position.
5. Secure the Rail: Reinstall the spring pins on both sides of the trailer by inserting them through the rear upright and into the base frame to ensure the rail is properly secured.



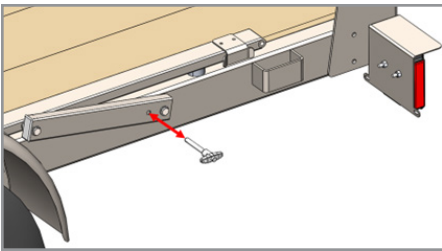
- Align the Rails: If necessary, manually align the guide bracket (A) with the fixed upright (B) to ensure proper positioning.



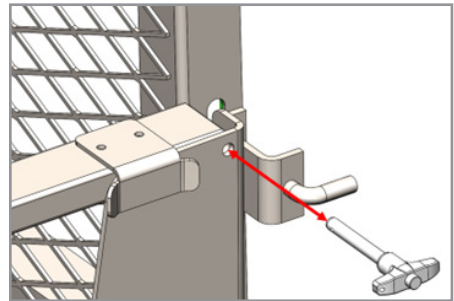
3.2.2 Raising the SmartFold Rails

Follow these steps to safely raise the top rail:

1. Inspect the Area: Ensure the top rail and the surrounding area are clear of debris, people, animals, vehicles, or any other objects that could obstruct operation..
2. Grasp the Top Rail: Firmly hold the top rail at a safe location.
3. Remove the Spring Pins: Depress the button on each spring pin and remove them from the base frame. If working alone, remove one pin at a time to maintain control of the rail.



6. Secure the Rail: Reinstall the spring pins on both sides of the trailer by inserting them through the base frame and into the top rail to lock it securely in place.



CAUTION

CAUTION - The top rail is now loose and could move into the closed position under the force of gravity. Use extreme caution around all rails and rotational mechanisms for potential pinch points. Only use the SmartFold mechanism when trailer is on a level surface.

3.2.3 Opening and Closing the Ramp Gate

Utility trailer gates can open either outward toward the ground or inward into the trailer. Use caution when releasing the gate latches, as gates may be heavy.

CAUTION

CAUTION - Do not allow children to operate the SmartFold mechanism without adult supervision. The top rail can have substantial weight.

3.2.4 Driving with a SmartFold Trailer

WARNING

WARNING - Do not tow the trailer if the spring pins are damaged, missing, or bent. Do not tow the trailer if the frame of the trailer looks damaged or bent. Do not tow the trailer if the gate latch pins are damaged, missing, or bent.

4. Raise the Top Rail: Move to the front of the trailer, securely grasp the front rail, and carefully lift the top rail to its upright position.

WARNING

WARNING - When the gate is in the bed, be sure to secure the gate to the frame.

WARNING

WARNING - Vehicle turning radius may be reduced when driving with the SmartFold rails down.

The SmartFold trailer can be towed or transported in a number of configurations:

- SmartFold rails up, and the gate vertical



- SmartFold rails up, and the gate folded inside the trailer bed



- SmartFold rails down, and the gate vertical



- SmartFold rails down, and the gate folded inside the trailer bed



3.2.5 Weight Capacity and Loading Guidelines for a SmartFold Trailer

WARNING

WARNING - Ensure the trailer is safely parked and secured prior to loading.

WARNING

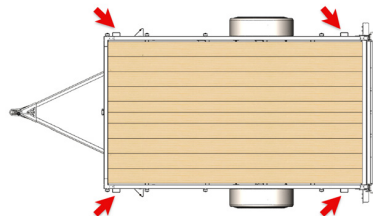
WARNING - Chock wheels and safely secure trailer to transport vehicle prior to loading.

The SmartFold trailer's weight capacity applies to correctly distributed loads secured on the floor of the trailer. Follow these guidelines to ensure safe and proper use:

- Secure all loads to the base frame using adequately sized tie-downs.
- Do not place loads on top of the top rails (front or side) of the trailer.
- Do not place loads on top of the fenders.
- Do not place loads on top of the tongue.
- Do not secure loads to the top rails or upright rails.
- Do not secure loads to the gate.
- Avoid leaning or impacting trailer loads on the front or side rails.
- Ensure gate loads do not exceed 50% of the trailer's load rating.

Loading the trailer with the SmartFold rails in the down position:

- Do not roll on top of, bend, or compress the top rails (side or front) during loading as this may affect safe and correct functionality of the SmartFold mechanism. For example:
 - Do not lean forklift forks on top rail
 - Do not drag pallets across the top rail
 - Do not drive vehicles over the top rail
- Keep hands and body parts away from the area between the top rail and the base frame.
- Do not place loads on top of the gate if it is inside the trailer.
- Only secure loads to fixed points on the base frame. Use the four (4) designated mounting points to properly secure loads.





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