



**SOLIDSTEP® 2.0**  
**OEM INSTALLATION MANUAL**

LIPPERT  
COMPONENTS®

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## System Information

The SolidStep® 2.0 is a trailer entry step assembly that can be mounted to the side of any trailer, providing an ease of entry, regardless of level ground. The suggested floor height range should be between 35-44" for a four-step tread and 27-36" for a three-step tread.

**NOTE:** The floor of the trailer must have sufficient backing material for securing the step assembly.

## Safety Information

### WARNING

Failure to follow the instructions provided in this manual may result in death, serious injury, trailer damage, or voiding of the component warranty.

### WARNING

Always wear eye protection when performing service or maintenance to the trailer. Other safety equipment to consider would be hearing protection, gloves and possibly a full face shield, depending on the nature of the service.

### CAUTION

No repairs should be attempted by anyone other than a qualified professional. The deployment and retraction of the step assembly can cause injury if proper precautions are not taken. The step assembly was designed for an operational weight rating of 400 lbs.

### CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution.

## Resources Required

- 1 to 2 Persons
- Cordless or Electric Drill or Screw Gun
- Appropriate Drive Bits
- Tape Measure
- #10 - 1 1/2" Wood Screws (wood floor) or #10 - 1 1/2" Self-Tapping Screws (lamine floor)

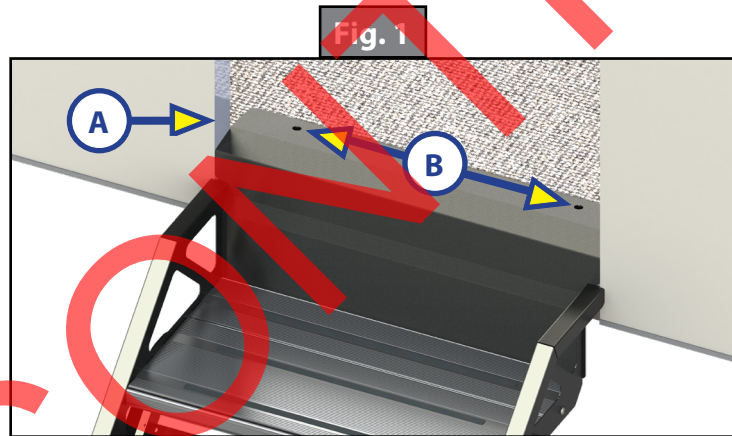
## Installation

Prior to installation, verify that the trailer is on level or near level ground.

**NOTE:** The door and frame have been removed for clarity.

### SolidStep®

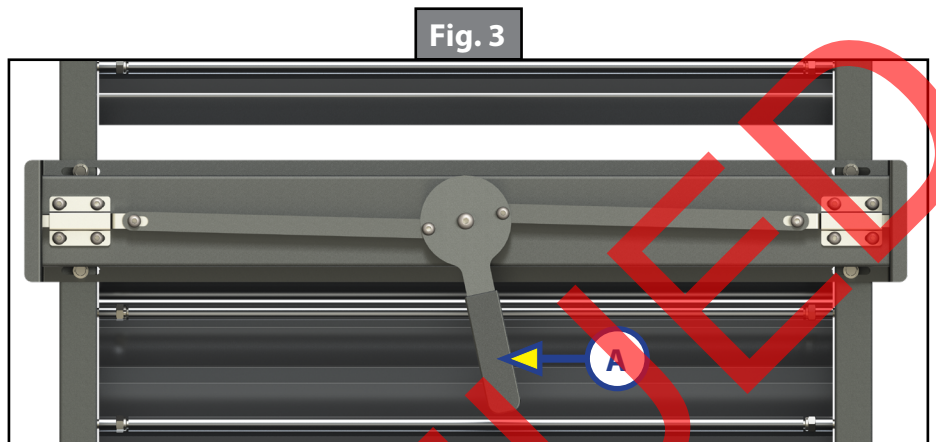
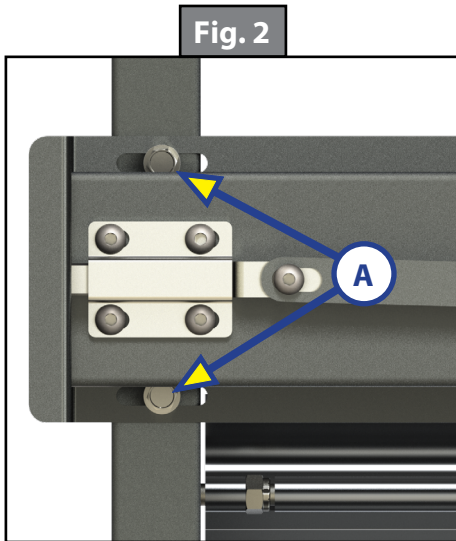
1. Place the step assembly inside the door frame
  - A. Verify with a tape measure that the step is centered in the door frame.
  - B. Verify that the step mounting plate (Fig. 1A) is flush against the sidewall of the trailer.
2. With the step assembly still in the extended position (Fig. 1), install two fasteners, either #10 - 1 1/2" self-tapping screws (lamine floor), or #10 - 1 1/2" wood screws (wood floor) into the mounting plate via the two access holes (Fig. 1B) located in the top of the mounting plate.
3. Once the two fasteners are inserted, carefully lift the step assembly to the upright stored position until the latching mechanism engages. Have one extra person hold the step assembly from inside the trailer.



### ⚠ CAUTION

Do not attempt to lock the step in place, as the latching mechanism needs to be adjusted to the proper left-right orientation and tightened in position before using the transport lock. Attempting to engage the transport lock without proper adjustment may cause damage to the door frame or step assembly.

4. Loosen the two bolts (Fig. 2A) on both sides and both ends of the transport lock (Fig. 3). This allows for up to a 1/2" of adjustment either way in the latch mechanism.
5. Once in the correct position tighten the bolts.
6. Once the transport locks have been adjusted, test the functionality by shaking the step assembly to simulate road vibration.



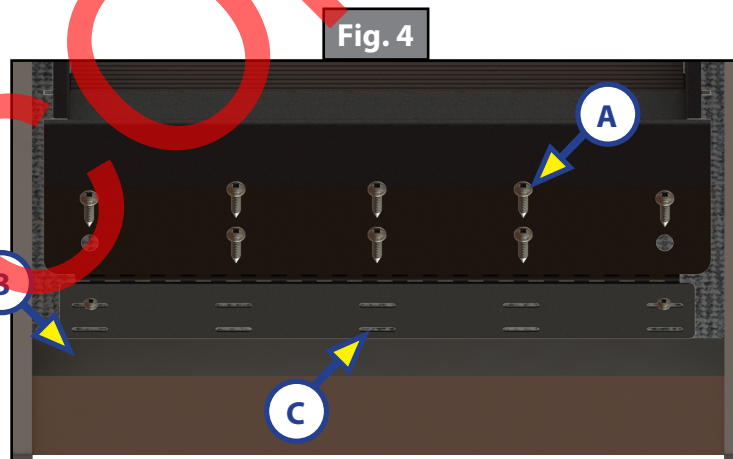
### CAUTION

**Do not overtighten the bolts, as doing so may damage the threads in the sheet metal or cause the bolt heads to break off.**

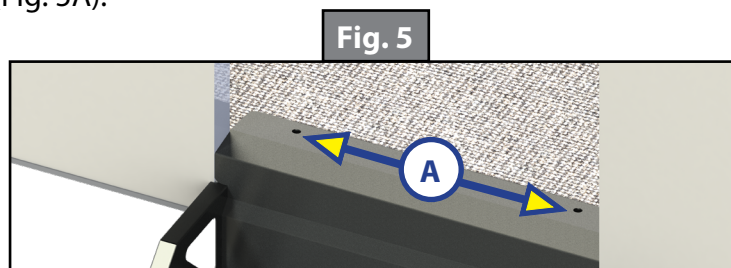
7. Engage and disengage the transport lock (Fig. 3A) to ensure the latch flanges do not scrape against the door frame.

**NOTE:** To make minor adjustments, it may be necessary to loosen the original two fasteners from Step 2.

8. Using eight additional fasteners (Fig. 4A), either #10 - 1 1/2" self-tapping screws (laminated floor) or #10 - 1 1/2" wood screws (wood floor), fasten the hinge plate into the floor of the trailer (Fig. 4B). Use the horizontal slots (Fig. 4C) to make additional small adjustments of the Step assembly in the doorway.



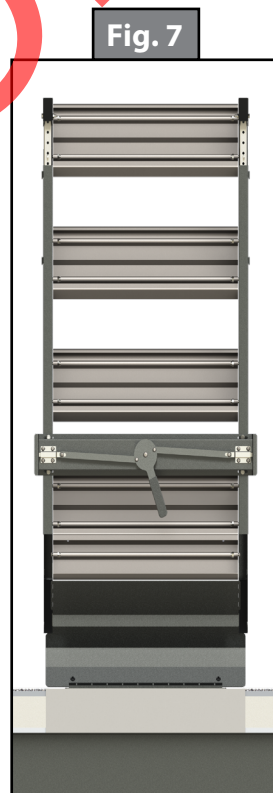
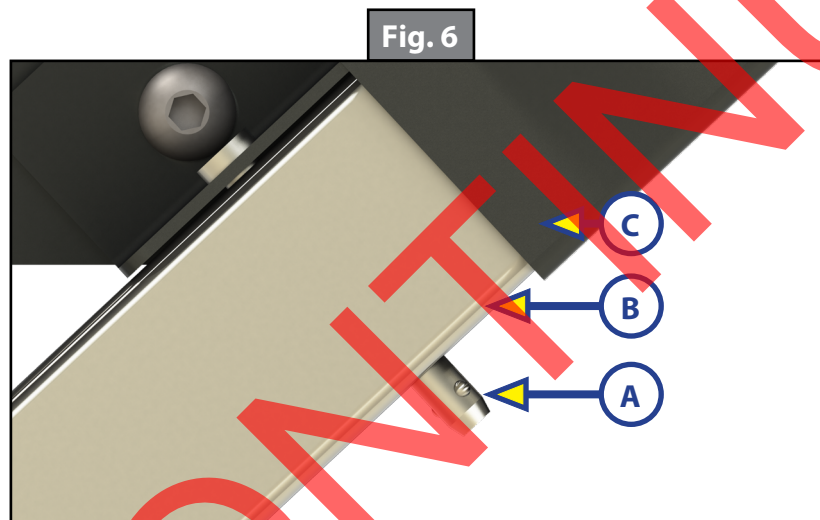
9. Extend the step assembly and install the two provided plastic caps into the alignment cover holes on the mounting plate (Fig. 5A).



## Leg Extension Adjustment

The Leg Extension is secured with a Quick Release Clevis Pin. Adjustments can be made to the leg extensions in 1" increments by moving the inner leg up or down for the optimal angle and to adjust for the ground surface angle.

1. To extend the inner leg (Fig. 6B):
  - A. Remove the Quick Release Clevis Pin (Fig. 6A) from the outer and inner legs.
  - B. Extend the inner leg (Fig. 6B) to the ground and at an angle so the steps are parallel to the ground and are level.
  - C. Reinstall the Quick Release Clevis Pin (Fig. 6A) into the outer leg slot and into the closest inner leg hole that intersects with the outer leg's slot.
2. To retract the inner leg (Fig. 6B):
  - A. Remove the Quick Release Clevis Pin (Fig. 6A) from the outer and inner legs.
  - B. Retract the inner leg.
  - C. Reinstall the Quick Release Clevis Pin in the tube and slot.
  - D. The step assembly is shown in the upright stored position, as viewed from underneath the step assembly, in Fig. 7.





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For all concerns or questions, please contact  
Lippert Components, Inc.

Ph: (574) 537-8900 | Web: [lci1.com](http://lci1.com) | Email: [customerservice@lci1.com](mailto:customerservice@lci1.com)