



MANUAL STEP WITH
SOLIDSTANCE™
OEM INSTALLATION MANUAL

L I P P E R T
C O M P O N E N T S®

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Introduction

The SolidStance™ Step Stabilizer gives additional support to recreational vehicle steps. The SolidStance Step Stabilizer has two adjustable support legs with footpads to accommodate the height from the bottom step to the ground, giving solid and secure support to keep the steps from rocking when in use.

NOTE: Images used in this document are for reference only when assembling, installing and/or operating this product. Actual appearance of provided and/or purchased parts and assemblies may differ.

For information on the assembly or individual components of this product, please visit:

<https://support.lci1.com/steps>.

Safety

Read and understand all instructions before installing or operating this product. Adhere to all safety labels.

This manual provides general instructions. Many variables can change the circumstances of the instructions, i.e., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage, including voiding of the LCI limited warranty.

WARNING

The "WARNING" symbol above is a sign that a procedure has a safety risk involved and may cause death or serious personal injury if not performed safely and within the parameters set forth in this manual.

WARNING

Failure to follow instructions provided in this manual may result in death, serious personal injury and/or severe product and property damage, including voiding of the component warranty.

CAUTION

The "CAUTION" symbol above is a sign that a safety risk is involved and may cause personal injury and/or product or property damage if not safely adhered to and within the parameters set forth in this manual

⚠ CAUTION

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

⚠ CAUTION

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

Resources Required

- Cordless or electric drill or screw gun
- Appropriate drive bits
- $\frac{9}{16}$ " socket
- Four $\frac{3}{8}$ " - 16 x 1" bolts, grade 2
- Four $\frac{3}{8}$ " - 16 flange nuts, grade 2
- Two self-tapping 1" x $\frac{1}{4}$ " screws, if needed for step support brackets.

Installation

1. Verify the location and squareness of the step outriggers (Fig. 1A).
2. Make sure the step is completely backed up against the I-beam (Fig. 1B).

NOTE: Some OEM designs allow the steps to rest against the I-beam and fasten directly to the web of the beam. Other designs include step supports and, if supports are present, steps should be completely backed up against the step supports on the frame (angle or tube).

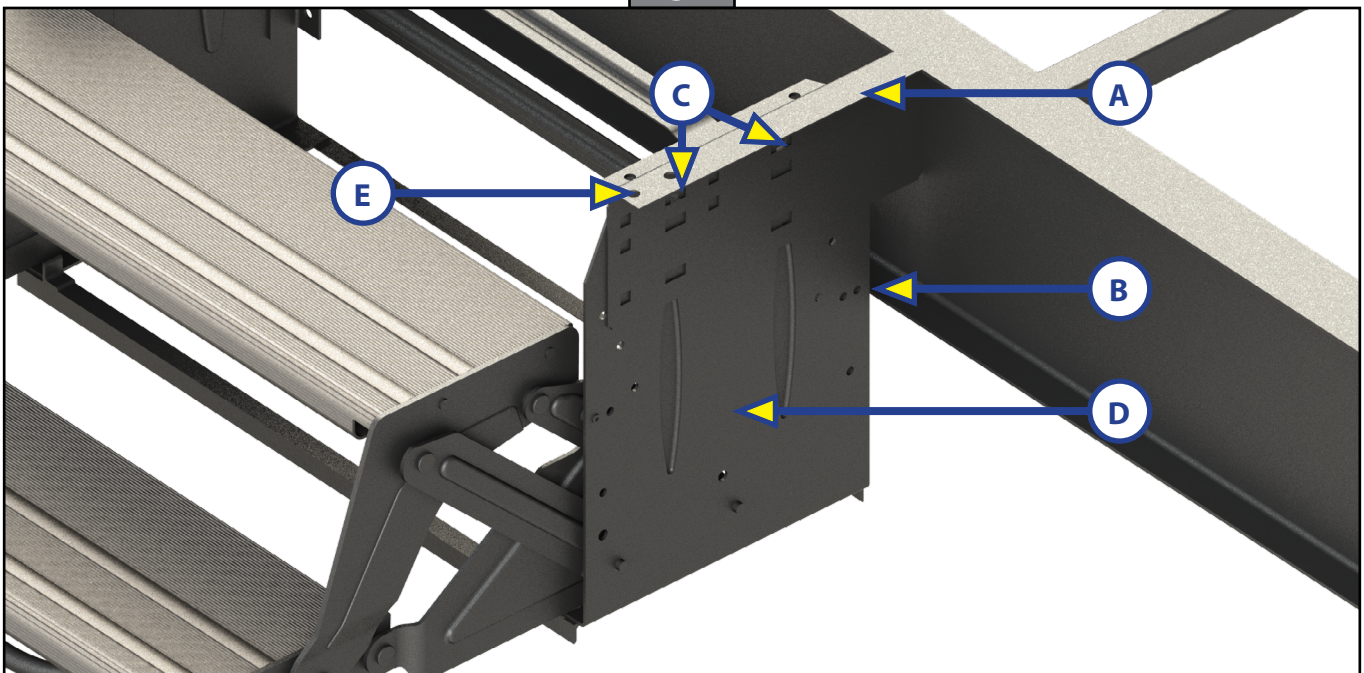
3. Align holes in step (Fig. 1C) with holes in the outrigger (Fig. 1A). Insert two bolts and flange lock nuts per side. Tighten only until snug to allow for adjustments.
4. Verify that the step housing (Fig. 1D) is square, level to the outrigger (Fig. 1A) and plumb to the I-beam (Fig. 1B). Once verified, tighten the bolts to 20 ft-lbs of torque.

NOTE: If step support brackets are located on the step, they should be secured to the chassis I-beam or step support angles on the chassis by one self-tapping 1" x $\frac{1}{4}$ " screw per each side of the step.

NOTE: The adjustable step bracket is optional and may not be included on all steps.

5. Attach lag bolt or bolts to the floor through the outer end holes in the outrigger (Fig. 1E) as per manufacturer's recommendations.

Fig. 1



Operation

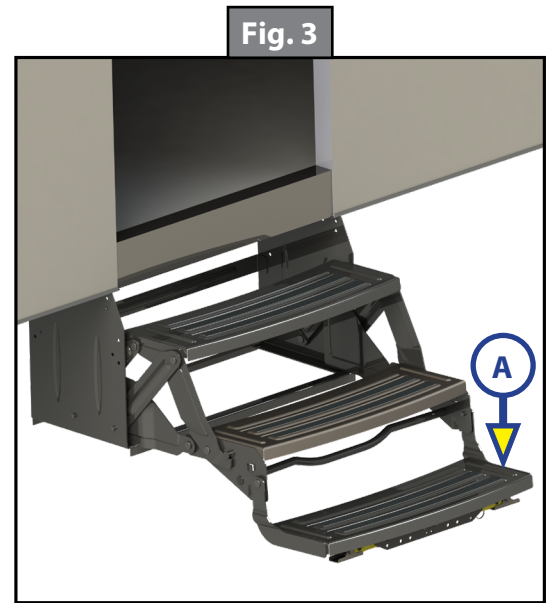
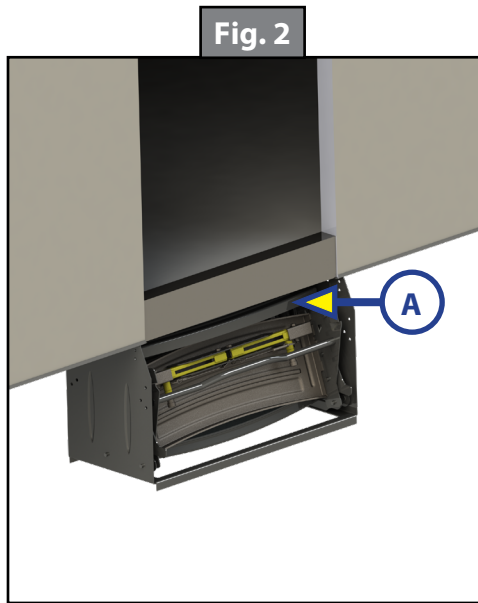
NOTE: The operation of the manual step with SolidStance should **NOT** be left in the extended position or used during the manufacture and completion of the trailer. After verifying the manual step with SolidStance operates in the extended and retracted position, leave the manual step with SolidStance in the fully retracted position.

⚠ CAUTION

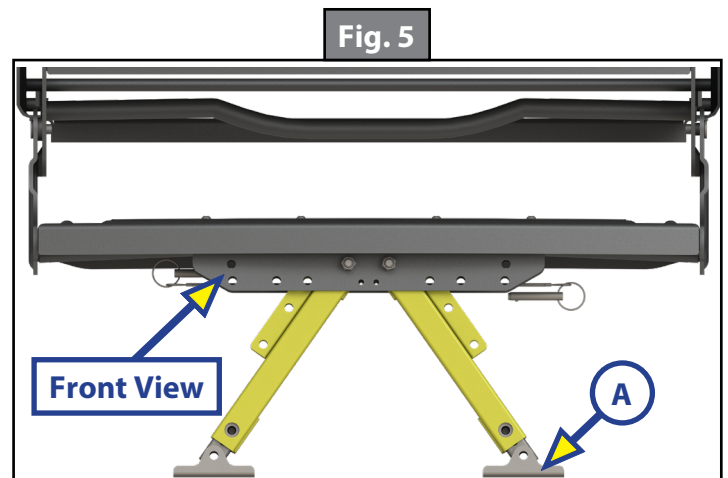
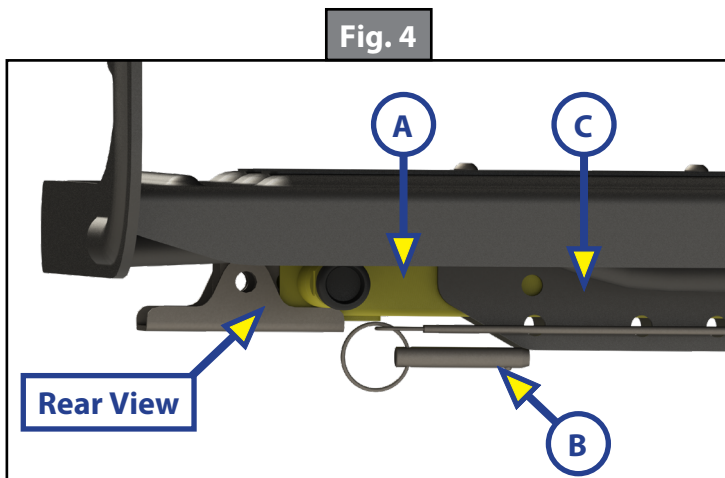
Moving parts can pinch, crush or cut. Keep clear and use caution.

Extending Position

1. Make sure the trailer is parked on solid level ground.
2. Pull out on the top lip of the vertically stored step (Fig. 2A).
3. Pull up and out on the back of step resting on the second step.
4. Unfold bottom step (Fig. 3A).

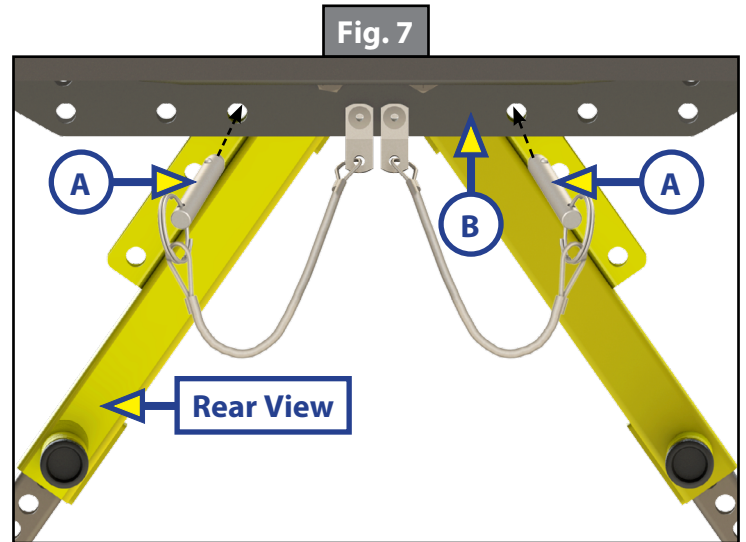
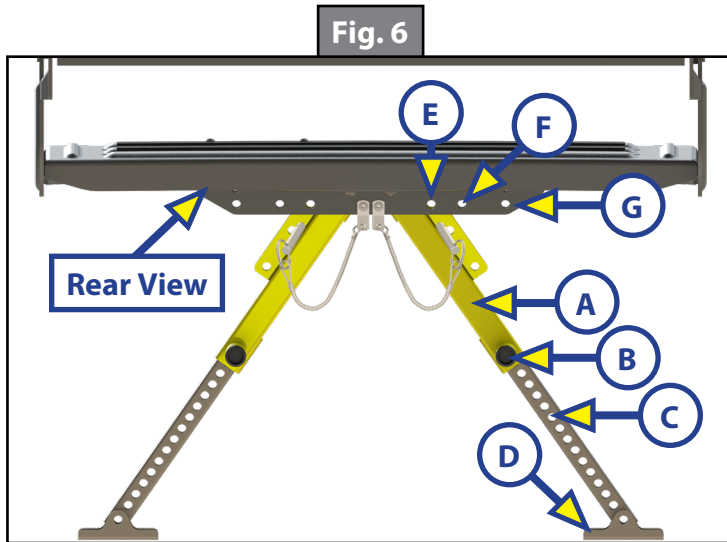


5. Firmly hold of one of the drop legs (Fig. 4A) and pull the quick release fastener pin (Fig. 4B) out of the drop leg channel (Fig. 4C). Carefully allow the drop leg footpad (Fig. 5A) to touch down to the ground.
6. Do step 5 for the other drop leg.



7. If the footpads do not reach the ground, pull the spring loaded pin (Fig. 6B) out on the drop leg to extend the inner leg (Fig. 6C) down so that the footpad (Fig. 6D) touches down to the ground.
8. Align the closest pin hole in the inner leg (Fig. 6C) to the spring loaded pin (Fig. 6B). Allow the spring loaded pin to insert into the inner leg to lock it in place.
9. Complete steps 7 and 8 for the other drop leg.
10. There are four drop leg channel angles (Fig. 6E, 6F and 6G) the drop leg can be positioned. Align the drop leg (Fig. 6A) with the angle required to the closest hole in the drop leg channel to give the SolidStance a sturdy position with the ground.
11. Insert both fastener pins (Fig. 7A) into the appropriate hole through the back of the drop leg channel (Fig. 7B) through the drop leg and out the front of the drop leg channel. Make sure the fastener pin is all the way through to the front of the drop leg channel to secure the drop leg in place.

NOTE: Securing the fastener pins from the back to the front will avoid tripping on the wire lanyard.



Stowed Position

⚠ CAUTION

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

1. Remove both fastener pins (Fig. 7A) from the back of the drop leg channel (Fig. 7B).
2. If the inner legs (Fig. 6C) are extended on the drop legs (Fig. 6A) pull the spring loaded pin (Fig. 6B) out and slide the inner leg up into the drop leg as far as it will go. Allow the spring loaded pin to insert into the closest pin hole in the inner leg to lock into place.
3. Complete step 2 for the other drop leg.
4. Move the drop leg (Fig. 4A) up into the base of the drop leg channel (Fig. 4C). Align the holes in the drop leg with the holes in the drop leg channel.
5. Insert the fastener pin (Fig. 7A) into the drop leg channel (Fig. 7B), through the drop leg and out the front of the drop leg channel. Make sure the fastener pin is all the way through to the front of the drop leg channel to secure the drop leg in place.

NOTE: Securing the fastener pins from the back to the front will avoid tripping on the wire lanyard.

6. Pull up on bottom step (Fig. 3A) and fold over the second step.
7. Pull up on bottom of steps and fold inward under top step (Fig. 2A).



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