



LIPPERT
COMPONENTS®

SolidStepTM Gen 2

Installation and Owner's Manual

(For Aftermarket Applications)

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Open the RV door and measure the inside width of the door frame. The correct size SolidStep will be the nearest even number rounded up.

Example: If the inside width is 25- $\frac{5}{16}$ ", round up to a 26" SolidStep.

Part #	SolidStep*	# of Treads	Suggested Floor Height
678024	26"	4	35" - 44"
678025	28"	4	35" - 44"
678027	30"	4	35" - 44"
678028	32"	4	35" - 44"
678031	34"	4	35" - 44"
678036	36"	4	35" - 44"
678040	26"	3	27" - 36"
678041	28"	3	27" - 36"
678044	30"	3	27" - 36"
678047	32"	3	27" - 36"

* The measurement of the inside width of the door frame rounded up to the nearest even number is the corresponding SolidStep required.



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Introduction

The SolidStep™ GEN 2 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 SolidStep GEN 2.

⚠ WARNING

FAILURE TO FOLLOW THE INSTRUCTIONS PROVIDED IN THIS MANUAL MAY RESULT IN DEATH, SERIOUS INJURY, TRAILER DAMAGE, OR VOIDING OF THE COMPONENT WARRANTY.

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.

MOVING PARTS CAN PINCH, CRUSH OR CUT. KEEP CLEAR AND USE CAUTION.

Resources Required

- 1 to 2 Persons
- Flat Head Screwdriver
- Cordless or Electric Drill or Screw Gun
- $\frac{3}{8}$ " Wrench
- Appropriate Drive Bits
- Tape Measure

Installation

Prior to installation

1. Verify that the trailer is on level or near-level ground.
2. If the trailer floor has a step threshold transition piece, it should be removed now.

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

SolidStep Installation

1. Place the SolidStep GEN 2 assembly inside the door frame and verify with a tape measure that the SolidStep GEN 2 is centered in the door frame.

NOTE: Verify that the SolidStep GEN 2 mounting plate (Fig.1A) is flush against the sidewall of the trailer.

2. Remove the 2 plastic caps from the alignment cover holes on the mounting plate (Fig.1B).
3. With the step assembly in the extended position (Fig.1), install 2 fasteners, either #10 - 1 ½" self-tapping screws (laminated floor), or #10 - 1 ½" wood screws (wood floor) into the mounting plate via the 2 access holes (Fig.1B) located in the top of the mounting plate.
4. Once the two fasteners are inserted, carefully lift the step assembly to the upright, stored position. The latching mechanism will engage after adjustment. At this point, have 1 extra person hold the step assembly from inside the trailer.

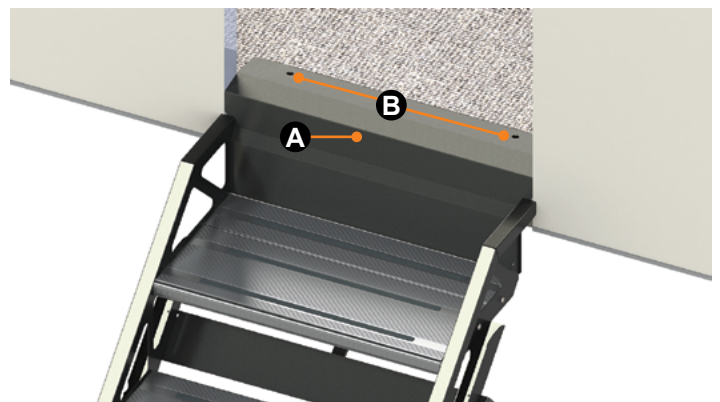


Fig.1



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⚠ CAUTION

DO NOT ATTEMPT TO LOCK THE STEP IN PLACE, AS THE LATCHING MECHANISM MAY NEED 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.

5. If adjustment is required, loosen the 2 bolts (**Fig.2A**) on both sides of the transport lock. This allows for up to 1/2" of adjustment either way.

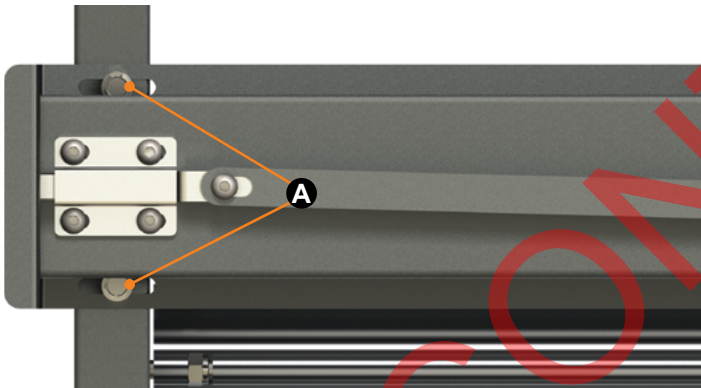


Fig.2

⚠ CAUTION

DO NOT OVER TIGHTEN THE BOLTS, AS DOING SO MAY DAMAGE THE THREADS IN THE SHEET METAL OR CAUSE THE BOLT HEADS TO BREAK OFF.

6. Once in the correct position tighten the bolts.

7. Once the transport locks have been adjusted, test the functionality by shaking the step assembly to simulate road vibration.

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

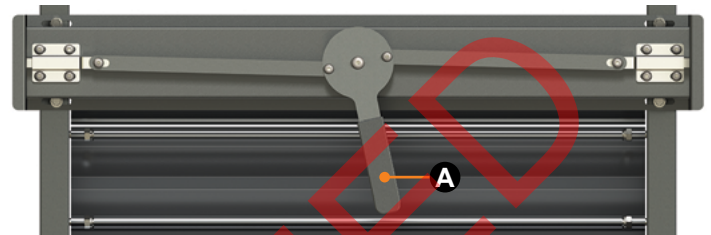


Fig.3

9. If necessary, make minor adjustments by loosening the two #10 self-tapping fasteners (**Fig.1B**) previously installed in the mounting plate.

10. Using 8 additional fasteners (**Fig.4A**), either #10 - 1 1/2" self-tapping screws (laminate floor) or #10 - 1 1/2" wood screws (wood floor), fasten the hinge plate to 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.

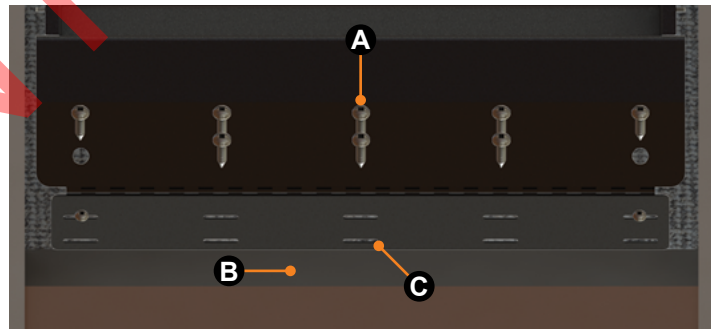


Fig.4

11. Extend the step assembly and install the 2 provided plastic caps into the alignment cover holes on the mounting plate (**Fig.5A**).

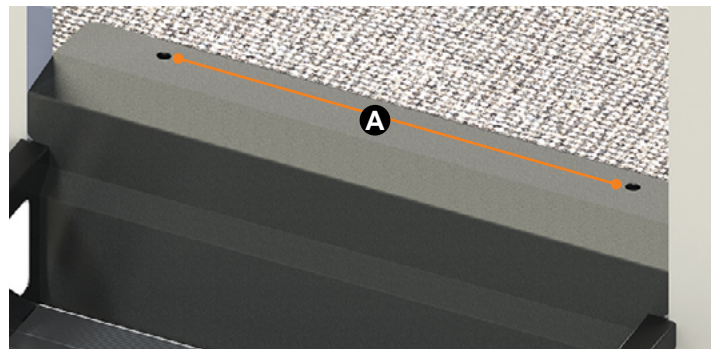


Fig.5

Leg Extension Adjustment

Leg Extensions are secured with a Quick Release Clevis Pin. Independent adjustments can be made to each leg extension in 1.00" increments by moving the inner leg up or down to achieve optimum ground surface angle.

1. To extend the inner leg (Fig.6B):

- A.** Remove the Quick Release Clevis Pin (Fig.6C) from the tube and the slot in the angle.
- 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.** Replace the Quick Release Clevis Pin (Fig.6C) in the tube and slot closest to where the inner leg and the outer leg (Fig.6A) meet.

2. To retract the inner leg (Fig.6B):

- A.** Remove the Quick Release Clevis Pin (Fig.6C) from the tube and slot.
- B.** Retract the inner leg.
- C.** Replace the Quick Release Clevis Pin in the tube and slot.

The step assembly is shown in the upright, stored position in Fig. 7.

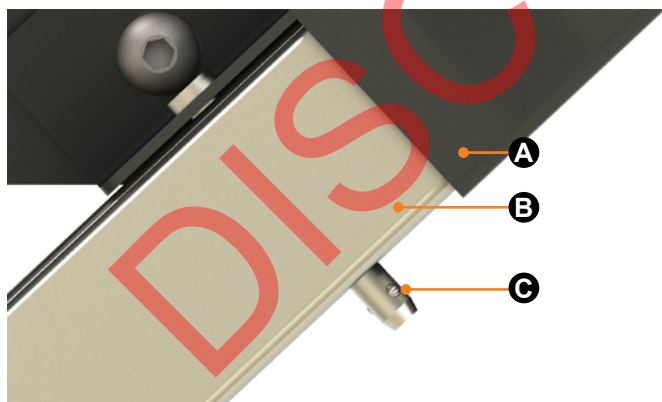


Fig.6

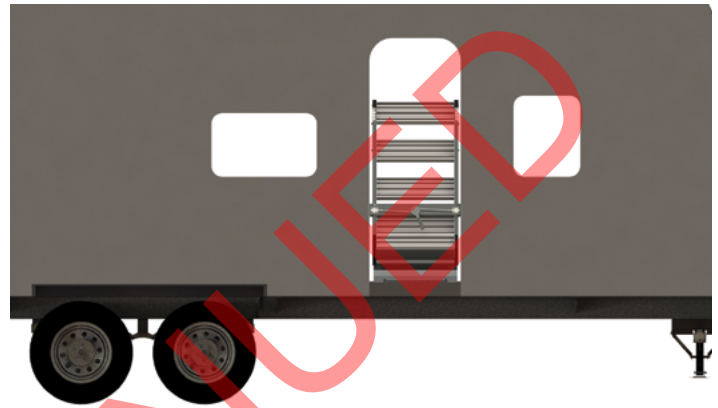


Fig.7



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