



SOLIDSTEP® LEVITATE
OWNER'S MANUAL

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Introduction

The SolidStep® Levitate 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.

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

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

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.

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.

WARNING

Unit **MUST** be supported per manufacturer's recommendations before working underneath. Failure to do so may result in death or serious personal injury.

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

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

Always wear eye protection when performing service, maintenance or 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.

Prior to Operation

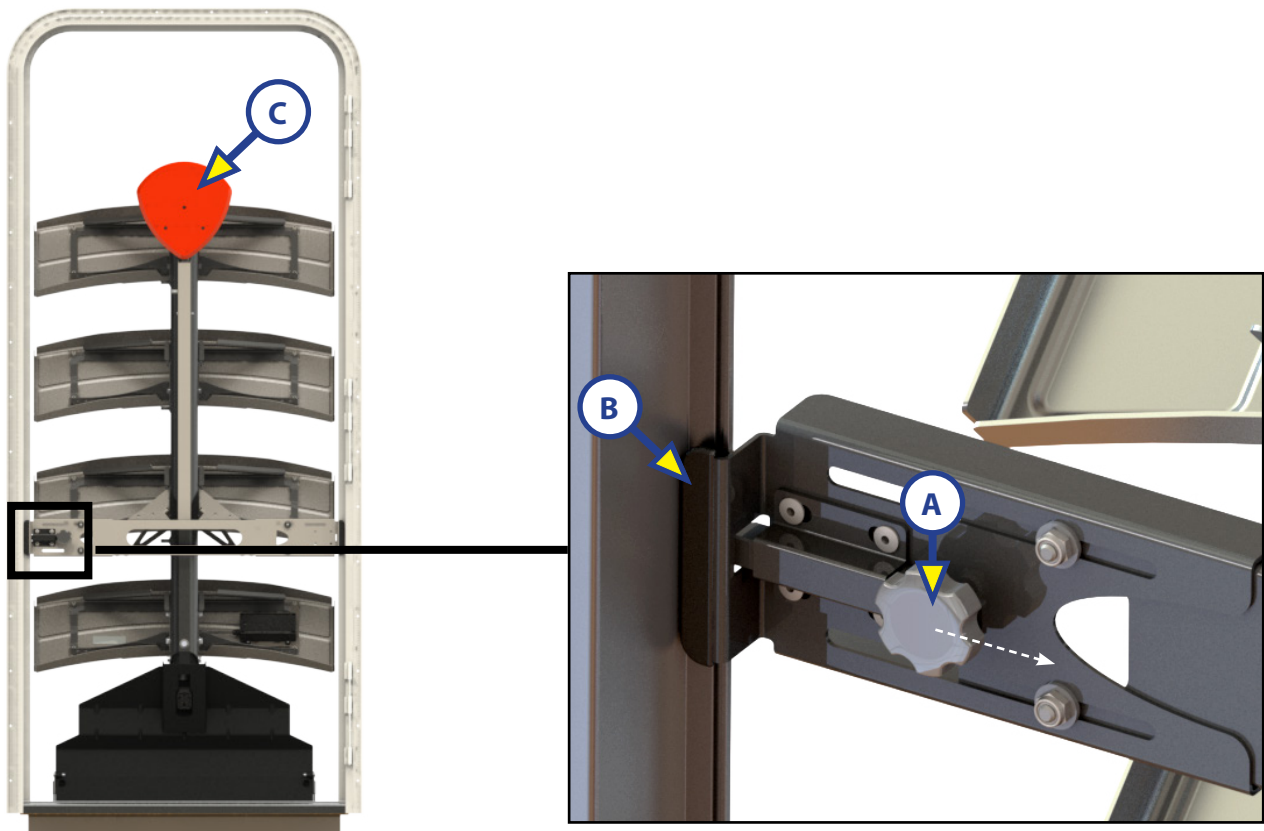
- Verify that the trailer is on level ground.
- Verify that the ground area around the step is clear of people, pets and debris.

Operation

Release Steps

1. From the stored position (Fig. 1), disengage the transport lock (Fig. 1A) by pulling the latching knob to the right.
2. Firmly grasp and pull out the vertically stored SolidStep Levitate and rest it firmly on the ground.
3. Adjust leg extensions as needed. See Leg Extension Adjustment section.

Fig. 1



Leg Extension Adjustment

The leg extension is secured with a spring-loaded plunger (Fig. 2A). Adjustments can be made to the leg extensions in 1" increments by extending or retracting the inner leg for the optimal angle and to adjust for the ground surface angle.

1. To extend the inner leg (Fig. 2B):
 - A. Pull the spring-loaded plunger (Fig. 2A) out from the tube and the slot in the angle.
 - B. Extend the inner leg (Fig. 2B) to the ground and at an angle so the steps are parallel to the ground and level.
 - C. Release the spring-loaded plunger (Fig. 2A) into the tube and slot closest to where the inner leg and tube meet.
2. To retract the inner leg (Fig. 2B):
 - A. Pull the spring-loaded plunger (Fig. 2A) out from the tube and the slot in the angle.
 - B. Retract the inner leg.
 - C. Release the spring-loaded plunger (Fig. 2A) into the tube and slot closest to where the inner leg and tube meet.

Secure Steps

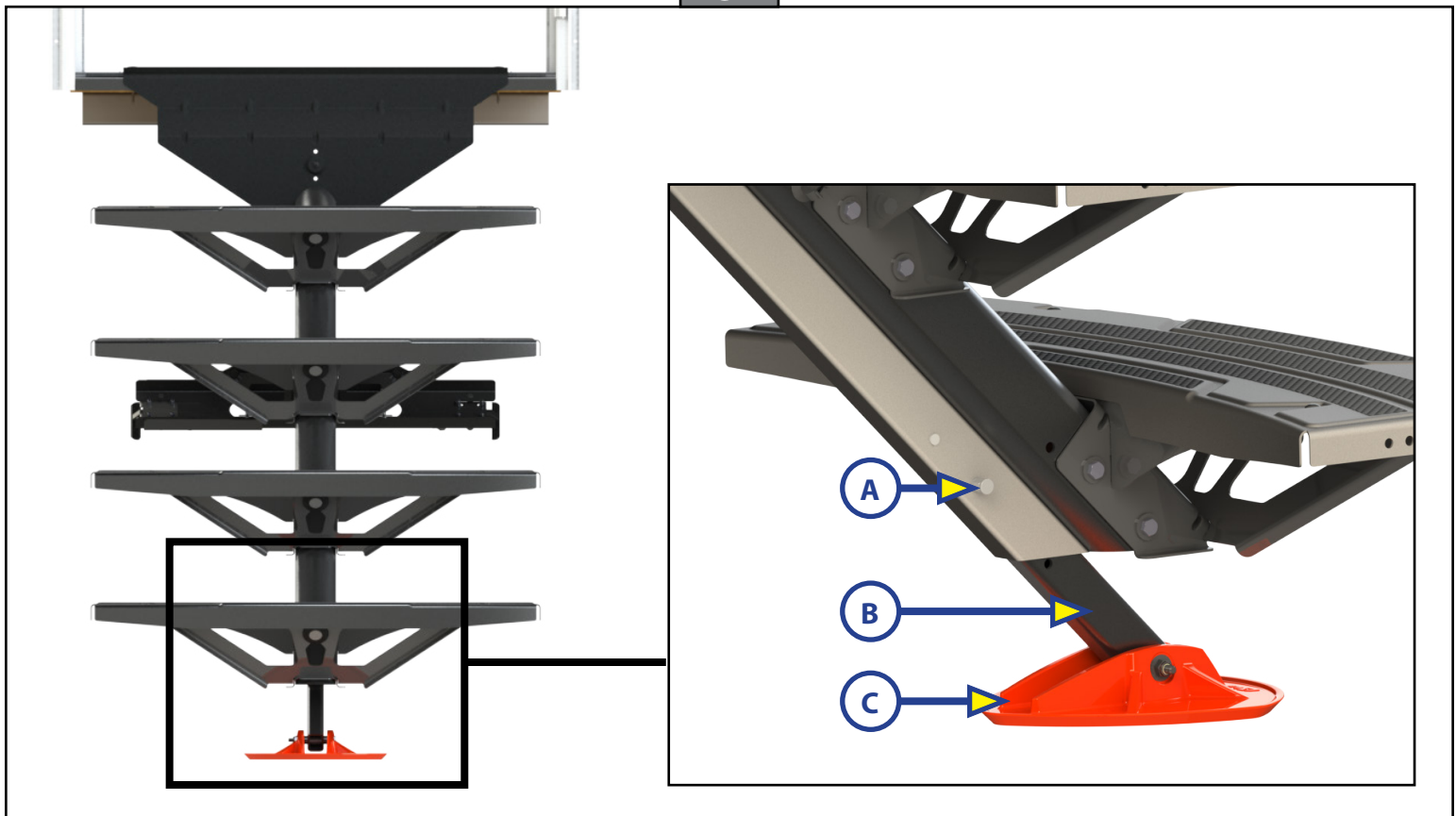
1. Retract leg extensions. See Leg Extension Adjustment section.
2. Lift up SolidStep Levitate to its stored position (Fig. 1).
3. Make sure the latches (Fig. 1B) are resting against the door frame.

⚠ CAUTION

Failure to place the footpad in the vertical position when in the stored position, can result in damage to the product or door.

4. Make sure the footpad (Fig. 2C), when stored, is resting in the vertical position (Fig. 1C), parallel to the door.
5. Once the transport lock has been engaged, test its functionality by shaking the step assembly to simulate road vibration, making sure that the SolidStep Levitate is secure.

Fig. 2



Adjustment of the Transport Lock Latching Mechanism

⚠ CAUTION

Due to road vibrations, the latching mechanism may need to be adjusted occasionally to the proper left-right orientation and tightened in position. Attempting to engage the transport lock without proper adjustment may cause damage to the doorframe or step assembly.

1. Lift up SolidStep Levitate to its stored position (Fig. 3). Make sure the latching mechanism flanges (Figs. 3A, 4A and 5A) are resting against the door frame. If final adjustment is required, loosen the two bolts (Fig. 4B and Fig. 5B) on either side of the adjustable latching mechanism for side-to-side adjustments.

Fig. 3

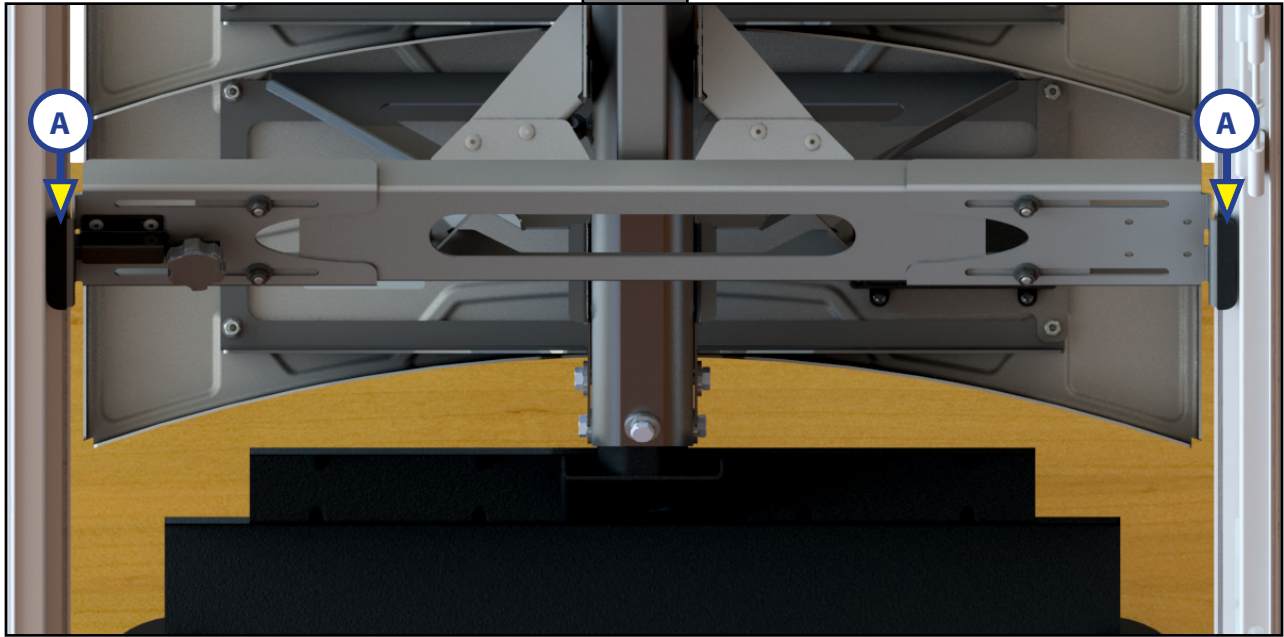


Fig. 4

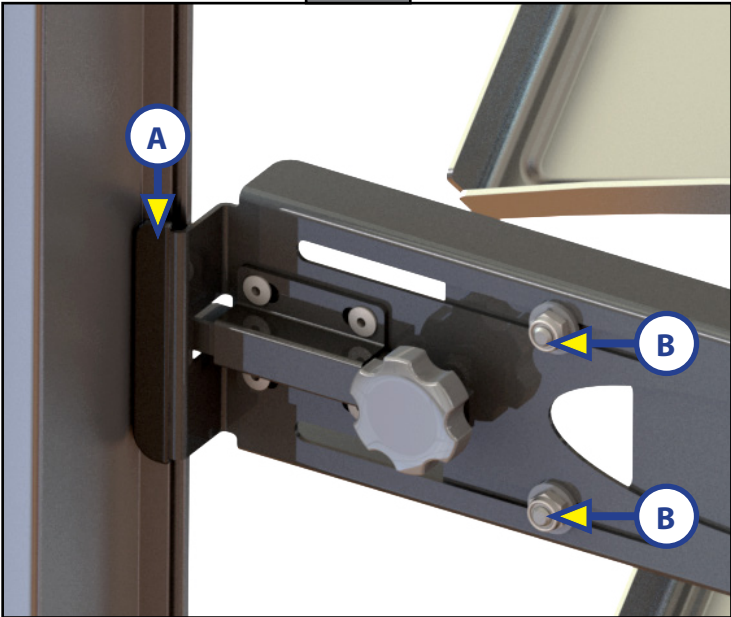
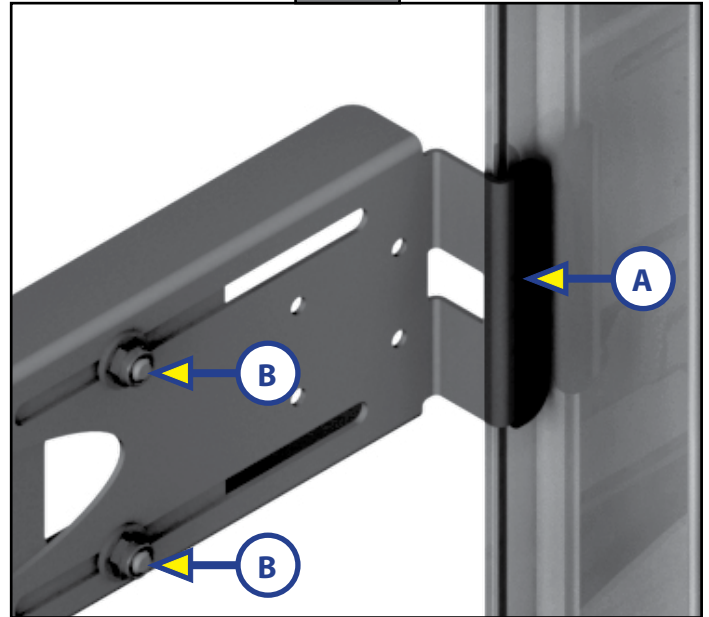


Fig. 5



⚠ CAUTION

Do not overtighten the bolts. Overtightening the bolts may damage the threads or cause the bolt heads to break off.

2. Once the transport lock mechanism (Fig. 6A) and the transport latch flanges (Figs. 7A and 8B) are in the correct position, tighten the bolts (Figs. 7B and 8A) with a 7/16" wrench or socket.
3. Once the transport lock has been adjusted, test its functionality by shaking the step assembly to simulate road vibration.
4. Engage and disengage the transport lock (Fig. 7C) to ensure the transport latch flanges (Figs. 7A and 7B) do not scrape against the door frame (Figs. 7D and 8C).

Fig. 6

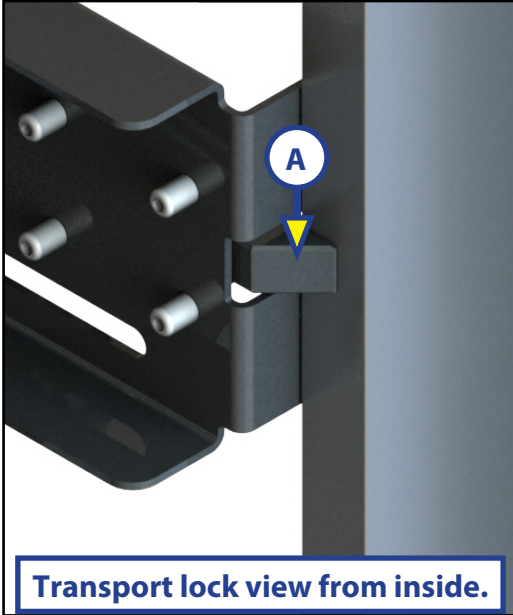


Fig. 7

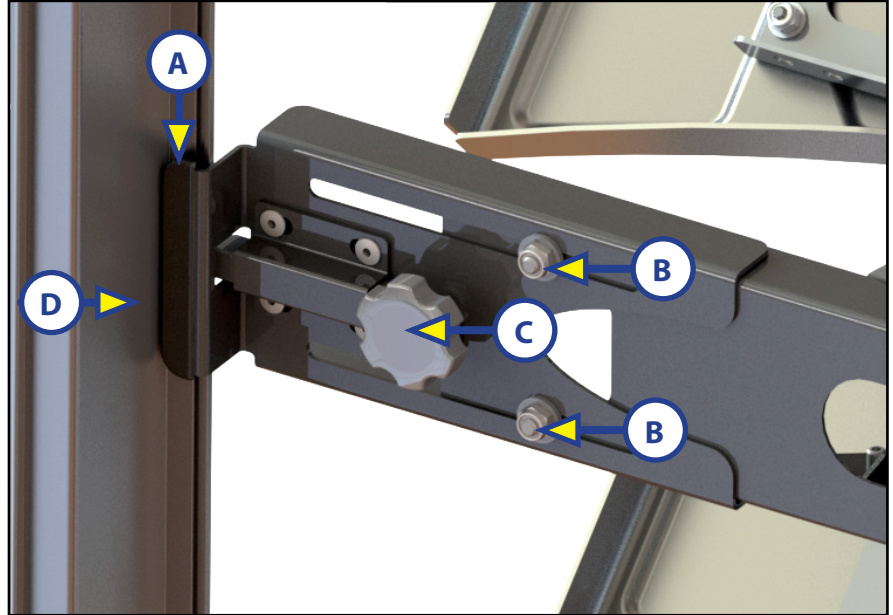
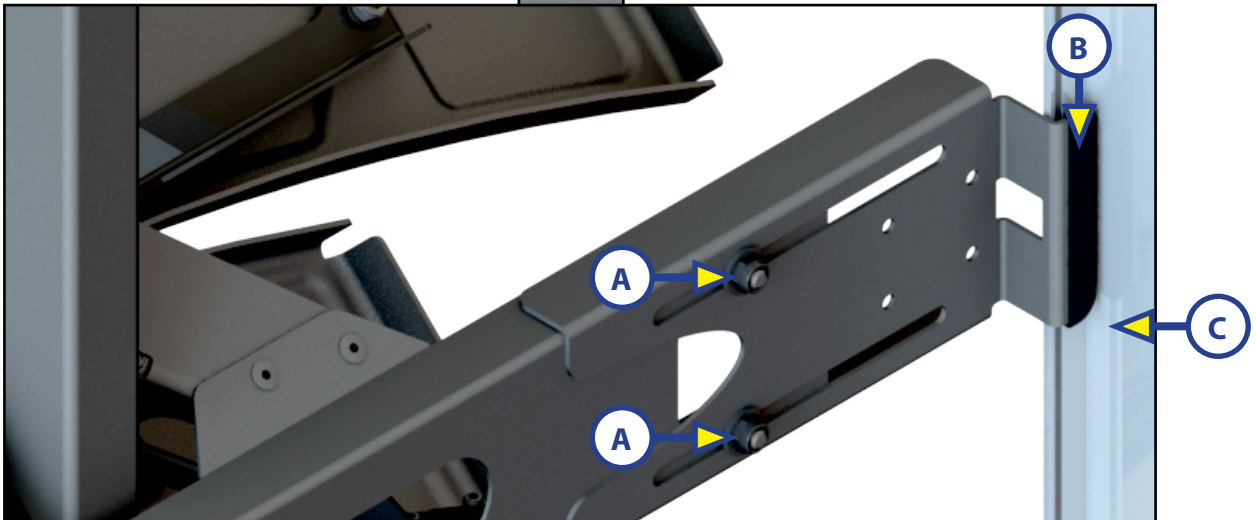


Fig. 8

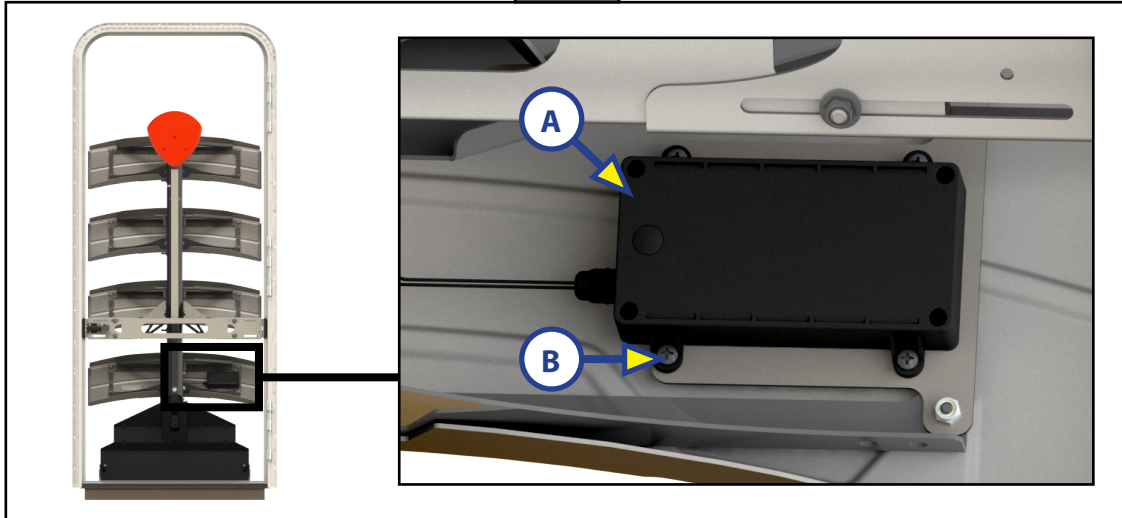


Optional Motion Sensor Lights

The motion sensor lights are an option and come pre-installed on the steps when ordered.

1. To activate the motion sensor lights, in the stored position (Fig. 9), locate the battery pack (Fig. 9A) underneath the step closest to the threshold.
2. Remove the four screws (Fig. 9B) holding the cover onto the battery pack.
3. Install six AA batteries into the battery pack.
4. Reinstall the cover and screws.

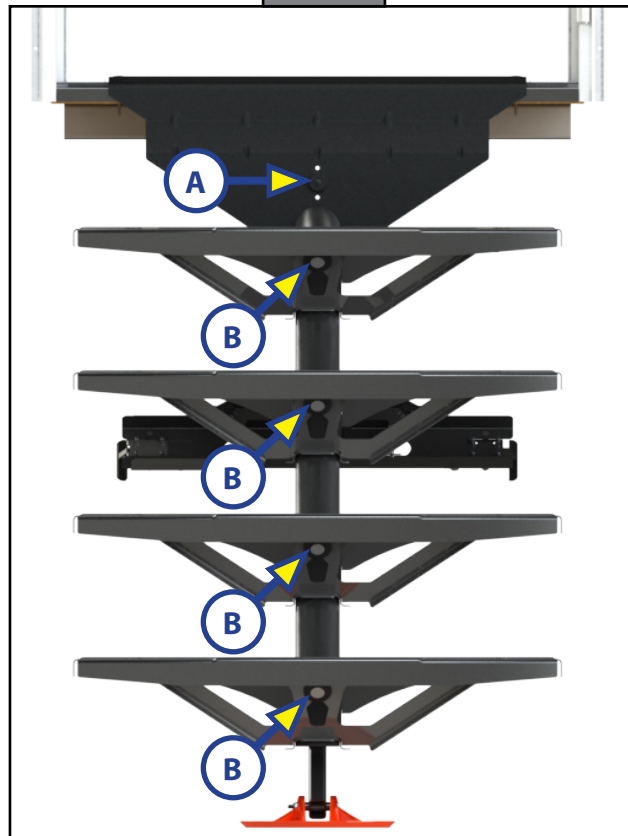
Fig. 9



Note: The motion sensor (Fig. 10A) located in the threshold plate, is a photo-voltaic cell, dusk-to-dawn sensor, which will activate the lights (Fig. 10B) located just below each step. To check the lights in a brightly lit condition, cover the motion sensor (Fig. 10A) to activate the lights.

5. Lower the steps to the ground (Fig. 10) and walk in front of the steps or up them, the motion sensor should activate the lights.

Fig. 10





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