



F.A.S.T. REAR RAMP DOOR
OWNER'S MANUAL

L I P P E R T
C O M P O N E N T S®

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Introduction

The Force Assisted Spring Tension or F.A.S.T. Rear Ramp Door incorporates either a single or dual cinch latch mechanism for a tight ramp door seal. For information on the assembly or individual components of this product, please visit:

<https://support.lci1.com/ramp-doors>

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.

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

NOTE: Cables are not always shown in the images for clarity purposes.

NOTE: Some trailers are equipped with an optional adjustable cable system for the ramp door. Follow applicable tensioning bolt warning for use of the adjustable cable. The adjustable cable system allows for up to +/- 2.5" of adjustment in order to achieve a 90 degree angle for the ramp door while in patio mode.

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

The maximum weight for the F.A.S.T. (Force Assisted Spring Tension) Rear Ramp Door in ramp configuration is 3,000 lbs. The maximum weight for the F.A.S.T. Rear Ramp Door in patio configuration is 1,500 lbs. Exceeding the maximum weight ratings can cause death, serious injury or damage to the trailer. Do NOT allow the ramp door to free fall while being lowered into the horizontal position, as this could cause injury or damage to the trailer or door.

⚠ 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 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.

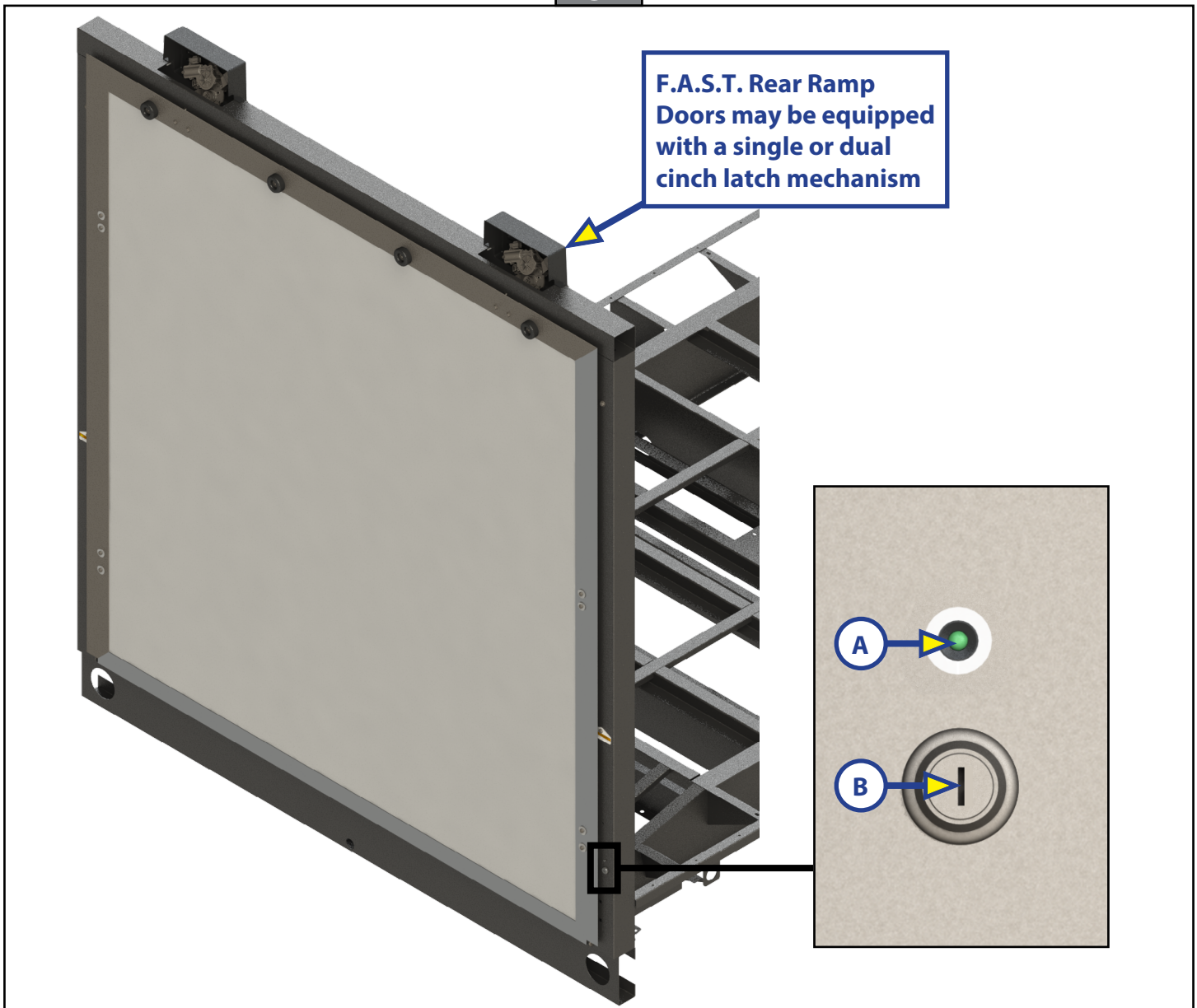
Operation

Stowed Position to Extended Position

Make sure the unit is connected to a power source.

1. Insert the key into the keyed access point located in the door jamb of the rear ramp door (Fig. 1B).

Fig. 1



2. Turn the lock mechanism to the right. The door will visibly pop open slightly, releasing pressure on the seals.
3. After the lock mechanisms have been released, the rear ramp door is ready to extend. Slowly extend the patio door. The F.A.S.T. technology actively counterbalances the weight of the door, allowing for one handed operation of the rear ramp door.

NOTE: If the door does not visibly open try the key again. If still does not open then refer to the manual override on the latch itself inside the trailer. If applicable, the controller is designed in such a way that if one latch is cinched and the other is not it will automatically release the cinched latch. The only way this will not happen is in the event that power is failing to reach the system properly.

4. Figure 2 depicts the F.A.S.T. Rear Ramp Door open. The key can now be removed.

Fig. 2



Extended Position to Stowed Position

NOTE: The keyed access does **NOT** need the key inserted into the lock to close the door. When closing the door, do **NOT** slam or force the door closed. Slowly close the door, allowing the cinch latch to function as intended. If the door is forced closed too quickly, the door will “bounce” away from the header and the cinch latch will not latch.

1. Slowly retract the rear ramp door, when the cinch latch pin (Fig. 3A) comes in contact with the cinch latch (Fig. 4A), positive pressure must be maintained until the cinch latch has cycled and engaged the locking mechanism.
2. If the cinch latch pin properly engages into the cinch latch, the LED light (Fig. 1A) will turn green.

NOTE: If applicable, If both cinch latches do not actuate, the controller will automatically reset the closed latch and will open the door slightly. Close the door again to get both latches to engage. If both latches engage the LED next to the key access will turn green.

Fig. 3

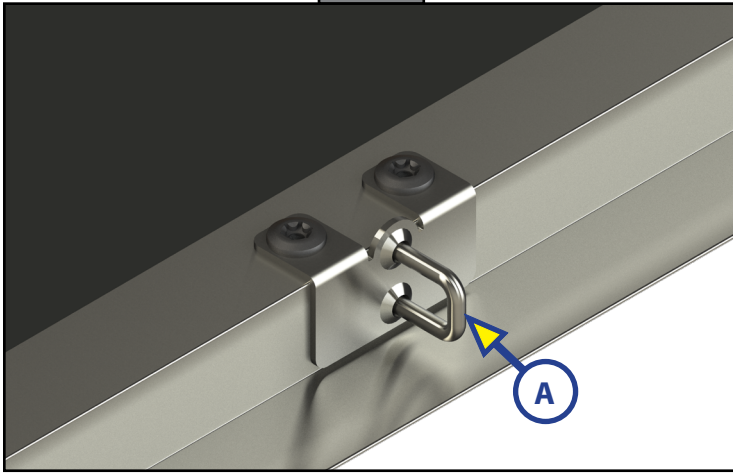
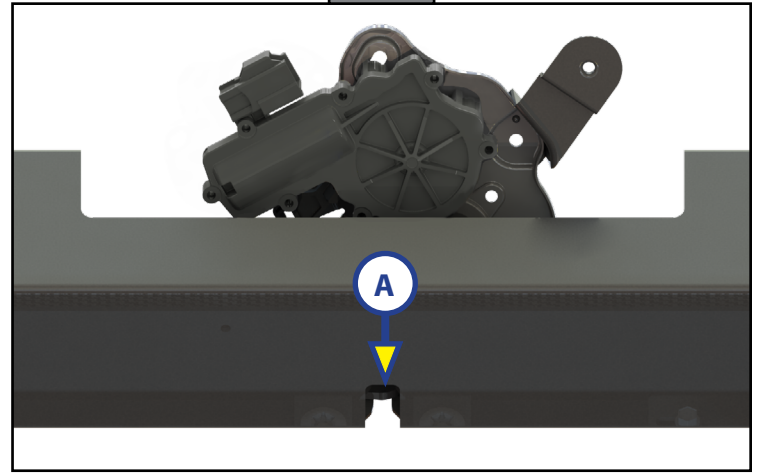


Fig. 4



Maintenance

To maintain smooth F.A.S.T. Rear Ramp Door operation, perform the following checks and maintenance.

1. During operation of the ramp door, make sure the safety cables are extending straight and not coming in contact with any obstructions.
2. Check to make sure that all cables are in good condition—that none of the cables are frayed or damaged. If cable replacement is needed, contact an OEM-authorized service center.
3. Check for loose fasteners. Tighten as needed.
4. Check the doorjamb location where the tension cables exit the columns for excessive wear.
5. Check the doorjamb for loose debris that would interfere with the function of the door.
6. Check the latch pin to make sure that it is not bent and is properly aligned with the cinch latch mechanism.
7. Inspect hinge points.
8. Lubricate all moving parts every 30 days with a good quality moisture and heat resistant penetrating grease.

NOTE: Silicone lubricants and WD-40® are not recommended for use. They evaporate and dry the mating surfaces, which leaves them vulnerable to the elements.

NOTE: Prior to long periods of storage, LCI recommends that all moving parts be lubricated to prevent possible corrosion.



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Follow proper safety practices. If in doubt, consult a professional RV technician.