



F.A.S.T. RAMP REAR DOOR SERVICE MANUAL

L I P P E R T
C O M P O N E N T S ®

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Introduction

The following information is intended to provide standard service instructions for LCI F.A.S.T. (Force Assisted Spring Tension) Ramp Rear Doors. Failure to adhere to the recommended service procedures in this document may result in the voiding of the product warranty. For any alterations outside of the provided service in this document, please consult your LCI Representative.

Safety Information

WARNING

Failure to follow these instructions may result in death, serious personal injury and/or severe product damage or voiding of the product's warranty.

WARNING

The maximum weight for the F.A.S.T. Ramp Rear Door in ramp configuration is 3,000 lbs. The maximum weight for the F.A.S.T. Ramp Rear 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, since this could cause injury or damage to the trailer or door.

WARNING

Never use the ramp rear door while anything is obstructing its operation.

WARNING

Failure to follow these instructions may result in serious injury or property damage.

CAUTION

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

CAUTION

Never force the ramp rear door in any direction.

CAUTION

Always make sure the cables are pulling out straight, staying in the grooved portion of the rollers and not coming in contact with any obstruction.

CAUTION

Do not operate the ramp door if the cable is frayed or damaged.

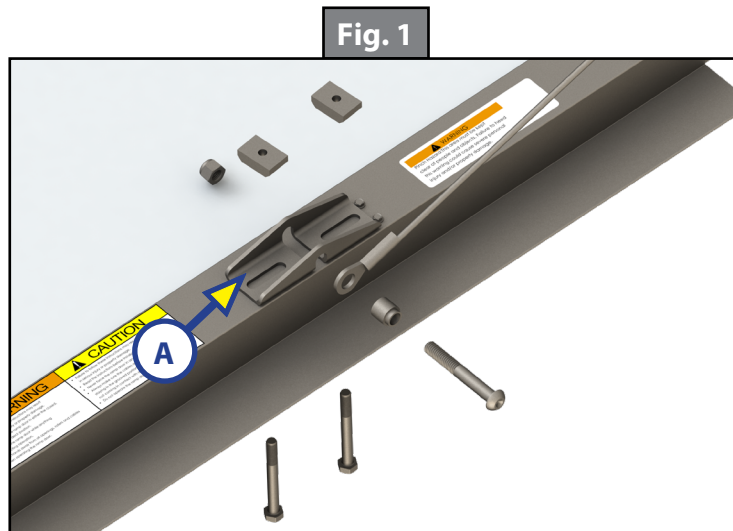
Resources Required

- 1-3 People, depending on task
- Cordless or electric drill or screw gun
- Appropriate drive bits
- 3/4" Deep well socket
- Impact wrench
- 3/8 Hex key
- 3/4" Wrench
- 9/16" Wrench
- 7/32" Hex wrench
- 5/32" Hex wrench
- Caulk

Operation

Removing Old Cable

1. Close the ramp rear door all the way.
2. Remove cable door anchor (Fig. 1A).



3. Open the ramp rear door all the way.
4. Remove both the upper (Fig. 2) and lower (Fig. 3) service access panel plates by removing the four bolts on each.

Fig. 2

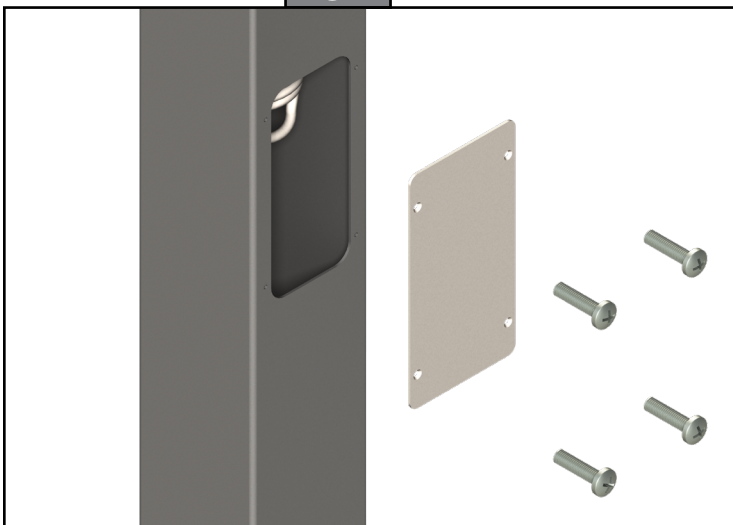
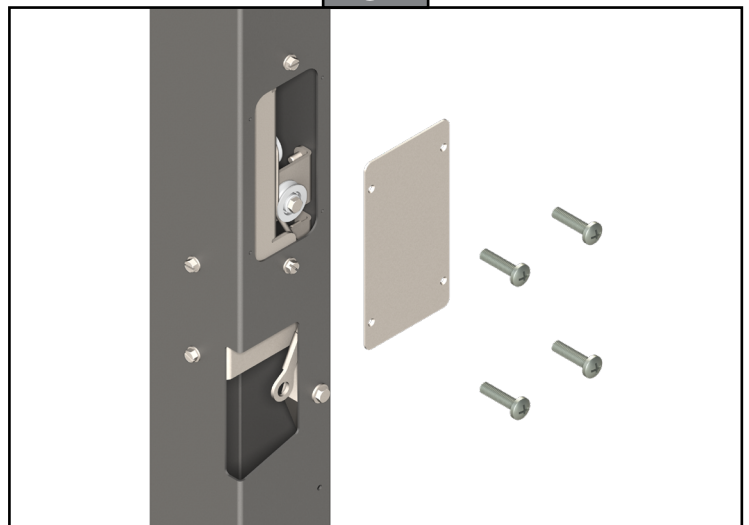
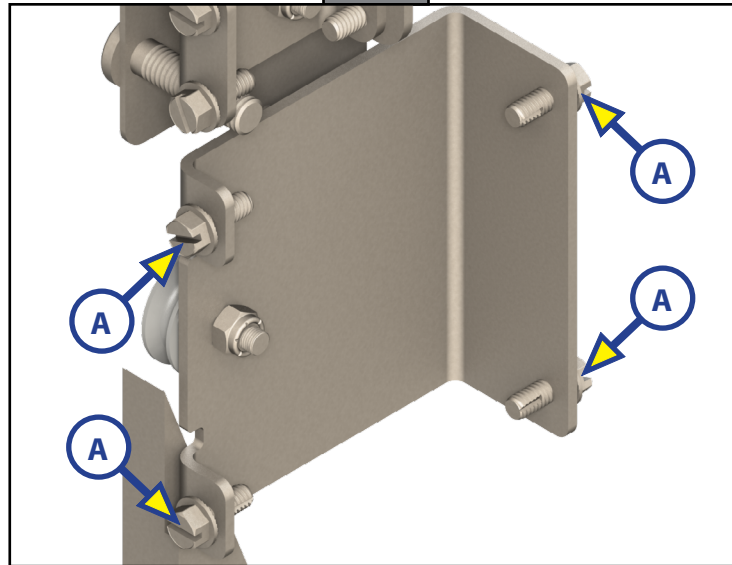


Fig. 3



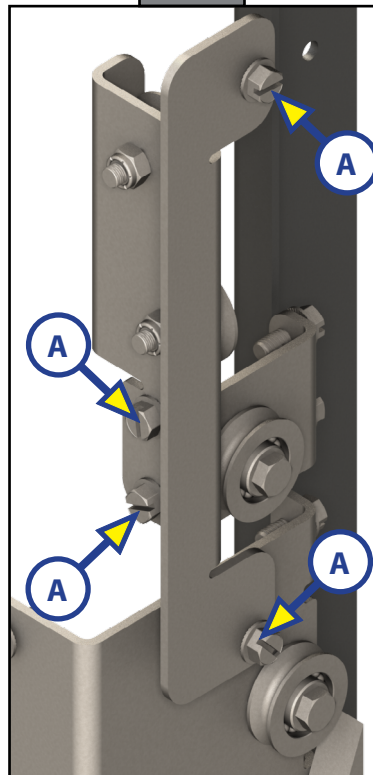
5. Remove the four bolts from the large single pulley bracket in the leg (Fig.4A). Rotate large single pulley bracket inward so it drops down onto the white nylon guide. This allows removal of cable from the pulley.

Fig. 4



6. Remove the four bolts (Fig. 5A) from the double pulley assembly bracket. Rotate the pulley bracket assembly inward and push up until bracket clears the service access opening in the patio jamb tube.

Fig. 5

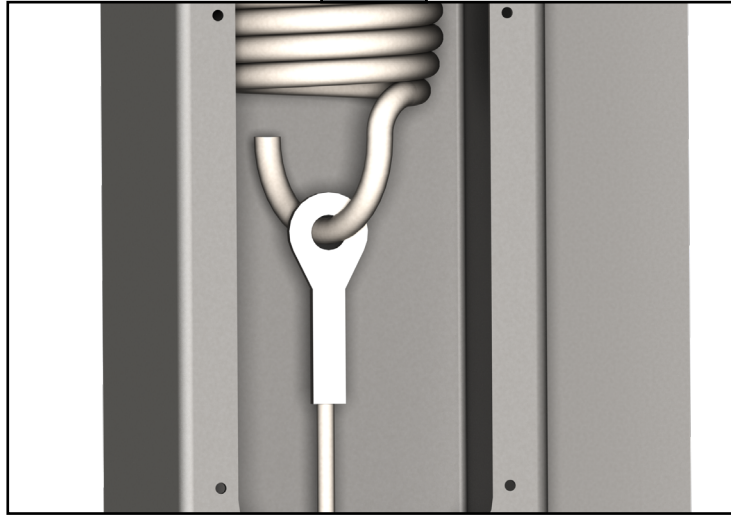


7. Pull pulley bracket assembly out through the lower service access opening in the patio jamb tube. Doing so allows the cable to be unwound from the pulleys. Loosen the pulley bolts to allow the cable to be removed.
8. Unwind cable from around pulleys on the pulley bracket assembly. Set bracket assembly aside.
9. Access cable through upper service access opening, unhook cable from spring, then pull loose cable completely out from patio jamb tube.

Inserting New Cable

1. Insert new cable through upper patio jamb tube's service access opening. Continue to feed the cable into the tube, from top to bottom, until the end of the cable is reached.
2. Hook the side of the new cable with the smaller diameter eyelet on to the bottom of the spring (Fig. 6).

Fig. 6



3. Pull the other end of the cable out through the bottom service access opening (Fig. 7).
4. While holding the pulley bracket assembly in one hand, thread the new cable around the three pulleys, then insert the pulley bracket assembly back into the patio jamb tube through the service access opening.
5. Feed the pulley bracket assembly through the opening access in the leg to its original position.

NOTE: Pulley bolts need to be tightened at this time before reinstalling the bracket.

6. Insert previously removed fasteners to attach the triple pulley assembly bracket to the patio jamb tube.
7. Tightly pull the cable through the "opening" in the leg for the anchor bracket.

Fig. 7



WARNING

Failure to properly secure both tension cables and anchors can result in catastrophic failure of the F.A.S.T. Ramp door system, resulting in serious personal injury and/or severe damage to the trailer.

8. Thread the cable onto the pulley of the large single pulley and rotate the large single pulley bracket back into its original position. Fasten with the four previously-removed fasteners (Fig. 7A).
9. Replace the removed access panels (Fig. 2 and Fig. 3) and secure with previously removed screws.
10. Attach the new cable to the cable anchor bracket. Raise the ramp door to the closed position to attach the cable anchor bracket to the ramp door using the previously-removed fasteners.
11. Open the ramp rear door to make sure new cabling works properly.

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