



LIPPERT 3000 SERIES
PATIO RAIL KIT
OWNER'S MANUAL

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Introduction

The Lippert 3000 Series Patio Rail Kit has been designed for easy installation and use. The Lippert 3000 Series Patio Rail Kit is pre-installed onto the ramp door, it can be used in a 90 degree angle as a patio, or fold the front of the patio rail kit to the sides and lower the ramp door to the ground to load toy vehicles into the trailer. The overall capacity is 3000 lbs. for doors with five or more bumper contact or lower hinge leaves, 1600 lbs. for doors with less than five bumper contact or lower hinge leaves.

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

<https://support.lci1.com/doors-support-patio-rail-kits>.

Additional information about this product can be obtained from [lci1.com/support](https://support.lci1.com/doors-support-patio-rail-kits) or the myLCI app is available for free on Apple App Store® for iPhone® and iPad® and also on Google Play™ for Android™ users. App Store® and iPad® are registered trademarks of Apple Inc. Google Play™ and Android™ are trademarks of Google Inc.

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.

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. 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. 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.

NOTICE

A method of support, or the assistance of another person, to support the ramp door when removing or attaching the door cables to extend the door to the ramp position is recommended.

Operation

Stowed Position to Ramp Door Position

To load and unload the trailer, the ramp door will first need to be lowered from the stowed position to the closed patio position, and then to the ramp position. Proceed with the following steps in this section to achieve the ramp door position.

WARNING

- **Do not operate the ramp door on uneven ground.**
- **Always lower ramp door onto level ground.**
- **Do not lower ramp door into a ditch or gully.**
- **Do not release the ramp door until it rests completely on the ground.**
- **Do not stand behind the ramp door while operating.**
- **Keep all body parts clear of the ramp door while closing.**
- **Failure to heed WARNING may result in serious bodily injury or component and/or property damage.**

NOTE: Although the product is water resistant, LCI recommends storing the door in the closed position during periods of rain to reduce the risk of water intrusion, which may result in delamination.

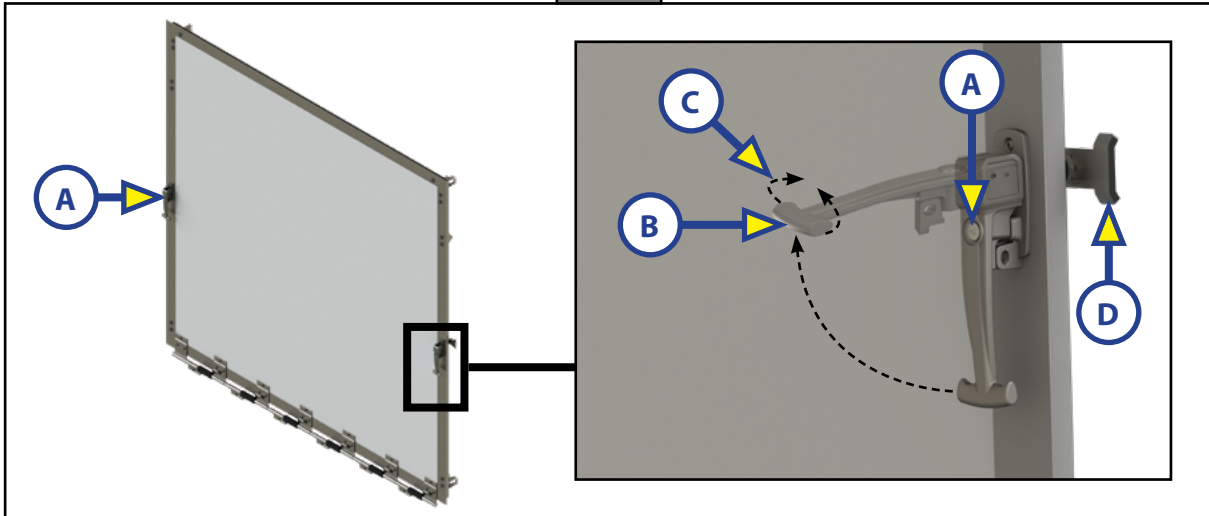
CAUTION

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

NOTE: Ensure door cables are attached before starting the following steps.

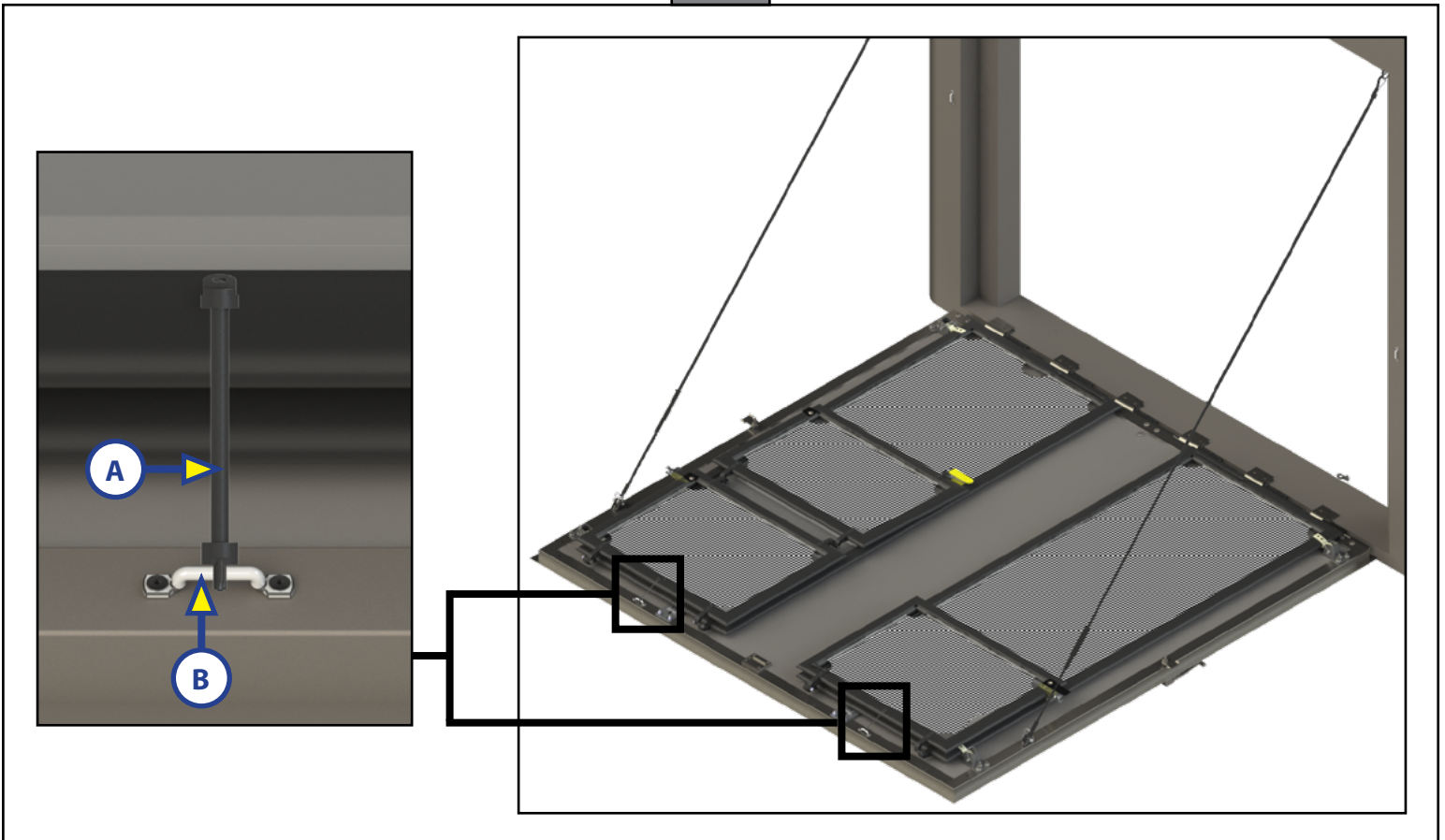
1. To open the ramp door, first verify the compression latch is unlocked (Fig. 1A).
2. Raise the handle of the compression latch (Fig. 1B) so that it is parallel with the ground.
3. Twist the compression latch handle 90° in either direction (Fig. 1C). This will release the locking tab (Fig. 1D) from the door jamb, allowing the ramp door to be lowered.
4. Slowly lower the ramp door until it rests at the 90 degree position, parallel to the ground (Fig. 2).

Fig. 1



5. Unhook the bungee (Fig. 2A) from the front driver's side and curbside brackets (Fig. 2B), holding the patio railings to the ramp door.

Fig. 2



NOTE: On alternate versions of the Lippert 3000 series patio rail kit, there will **NOT** be two front and rear bungees. An alternate version of the Lippert 3000 Series will have a J-bolt (Fig. 3A) located at both side patio railing front bases (Fig. 4A). Pull the yellow lanyard (Fig. 3B) and turn the J-bolt a quarter turn (Fig. 3C). Raise the side patio rails into a 90 degree position (Fig. 4B) until it clicks into the J-bolt, locking the patio rail into position. The J-bolt also holds the side rail panel down and in place when the yellow lanyard is pulled out, turned a quarter turn and the patio railing is folded down into the stowed position (Fig. 2). The bungee cords (Figs. 2A and 6B or 6C) located at the front and rear of the patio rail assembly now serves the same purpose.

Fig. 3

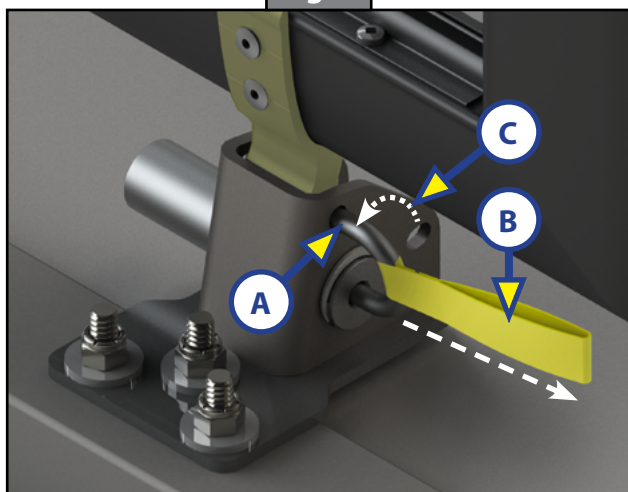
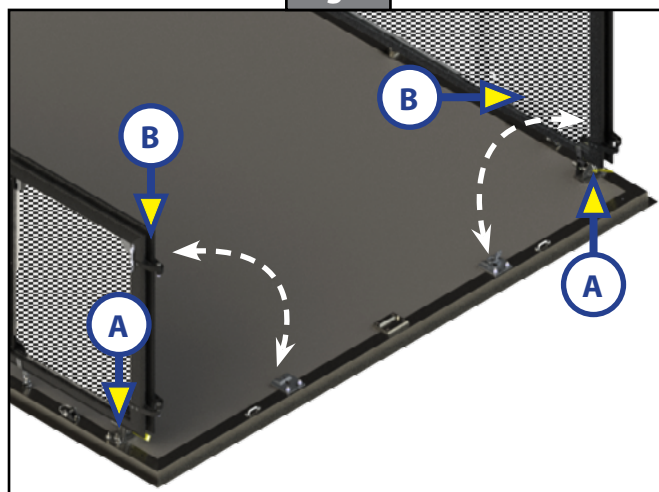


Fig. 4



⚠ NOTICE

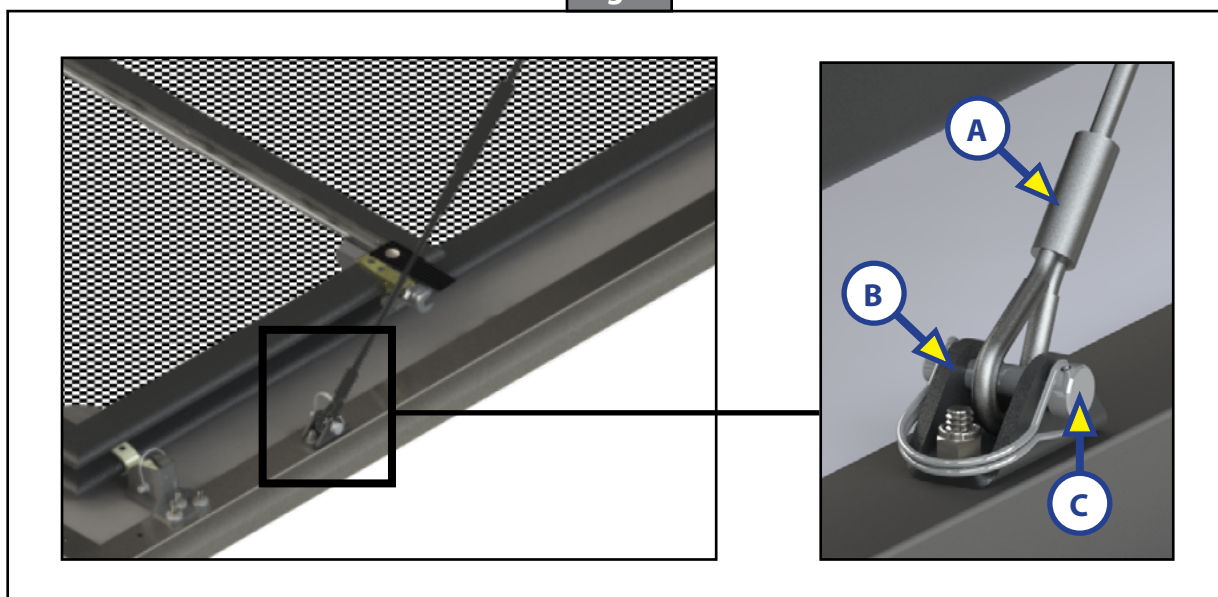
A method of support, or the assistance of another person, to support the ramp door when removing or attaching the door cables to extend the door to the ramp position is recommended.

6. Release the door cables (Fig. 5A) by removing the retainer pins (Fig. 5C) from the door cable brackets (Fig. 5B), on both sides of the ramp door.

NOTE: Leave the retainer pin (Fig. 5C) on the door cable or in the door cable bracket on the door so the retainer pin does not get lost.

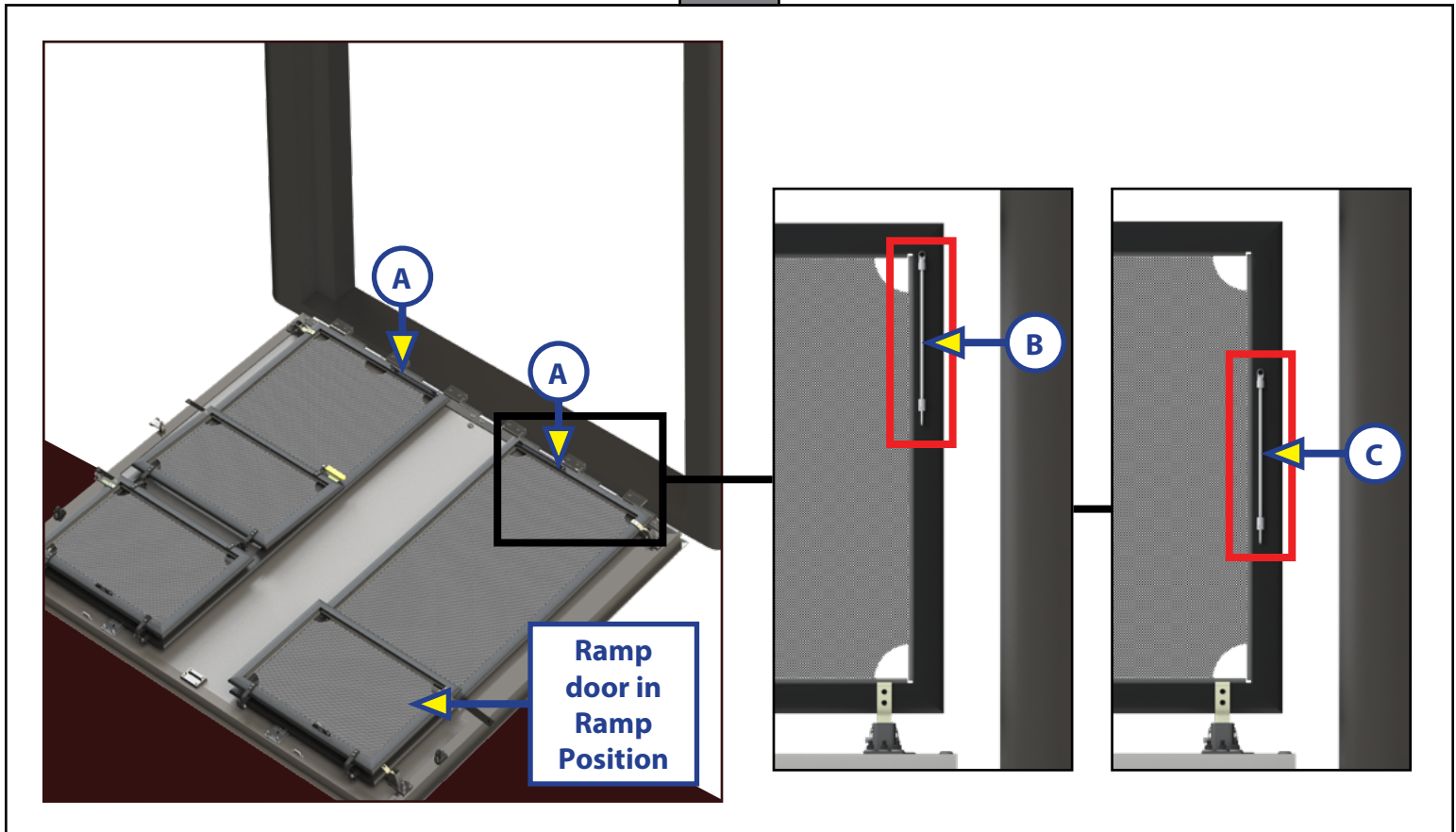
7. Gently lower the ramp door to the ground.

Fig. 5



NOTE: Bungee locations on the outside rear of the patio railing (Fig. 6A), can be located at two different positions (Figs. 6B or 6C). Length of bungee and location of the bungee bracket on the doorjamb will vary due to OEM specifications.

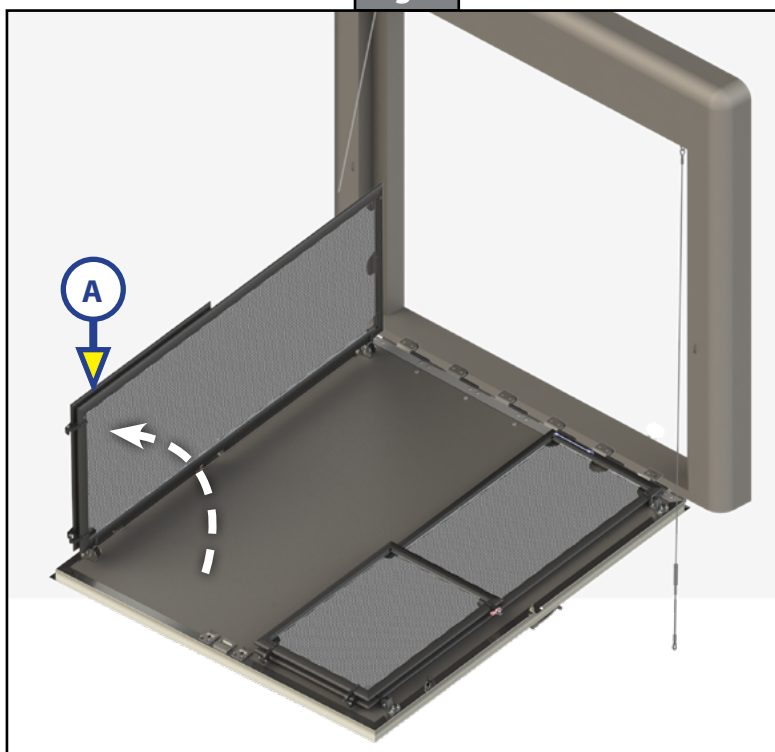
Fig. 6



NOTE: On alternate versions of the Lippert 3000 series patio rail kit, there will **NOT** be two front and rear bungees. An alternate version of the Lippert 3000 Series will have a J-bolt (Fig. 3A) located at both side patio railing front bases (Fig. 4A). Pull the yellow lanyard (Fig. 3B) and turn the J-bolt a quarter turn (Fig. 3C). Raise the side patio rails into a 90 degree position (Fig. 4B) until it clicks into the J-bolt, locking the patio rail into position. The J-bolt also holds the side rail panel down and in place when the yellow lanyard is pulled out, turned a quarter turn and the patio railing is folded down into the stowed position. The bungee cords (Fig. 6A) located at the rear of the patio rails now serve the same purpose.

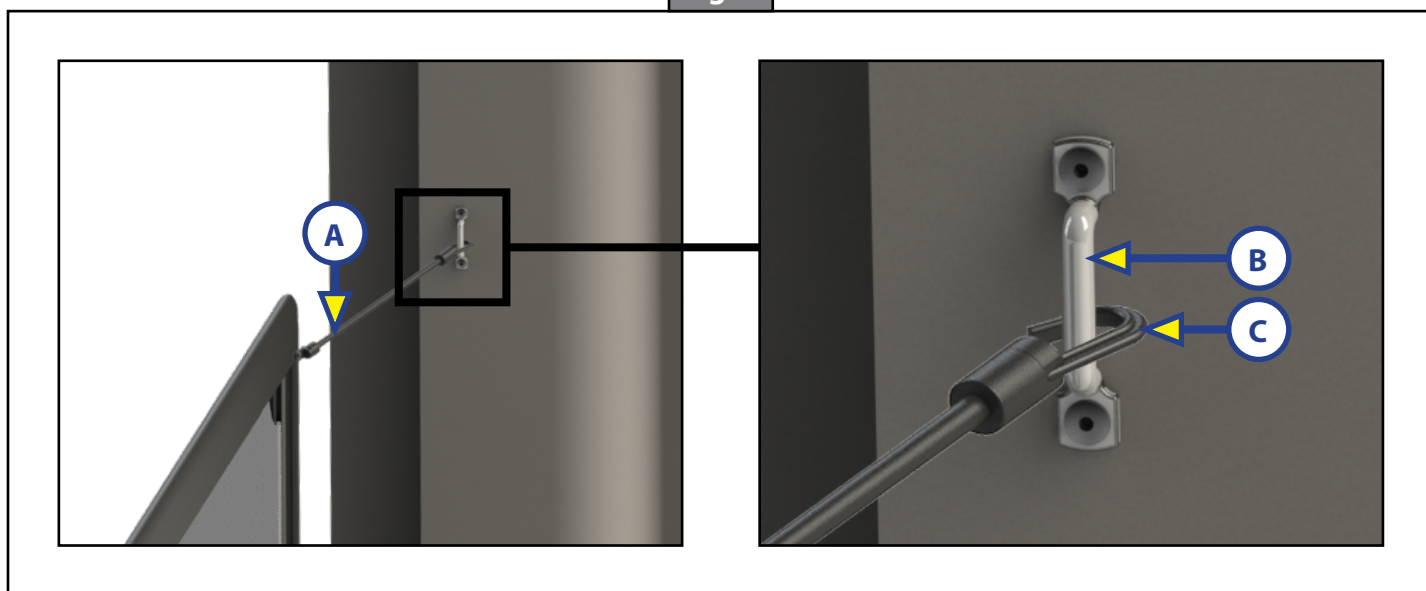
8. Raise a side patio panel assembly up into a 90 degree position (Fig. 7A).

Fig. 7



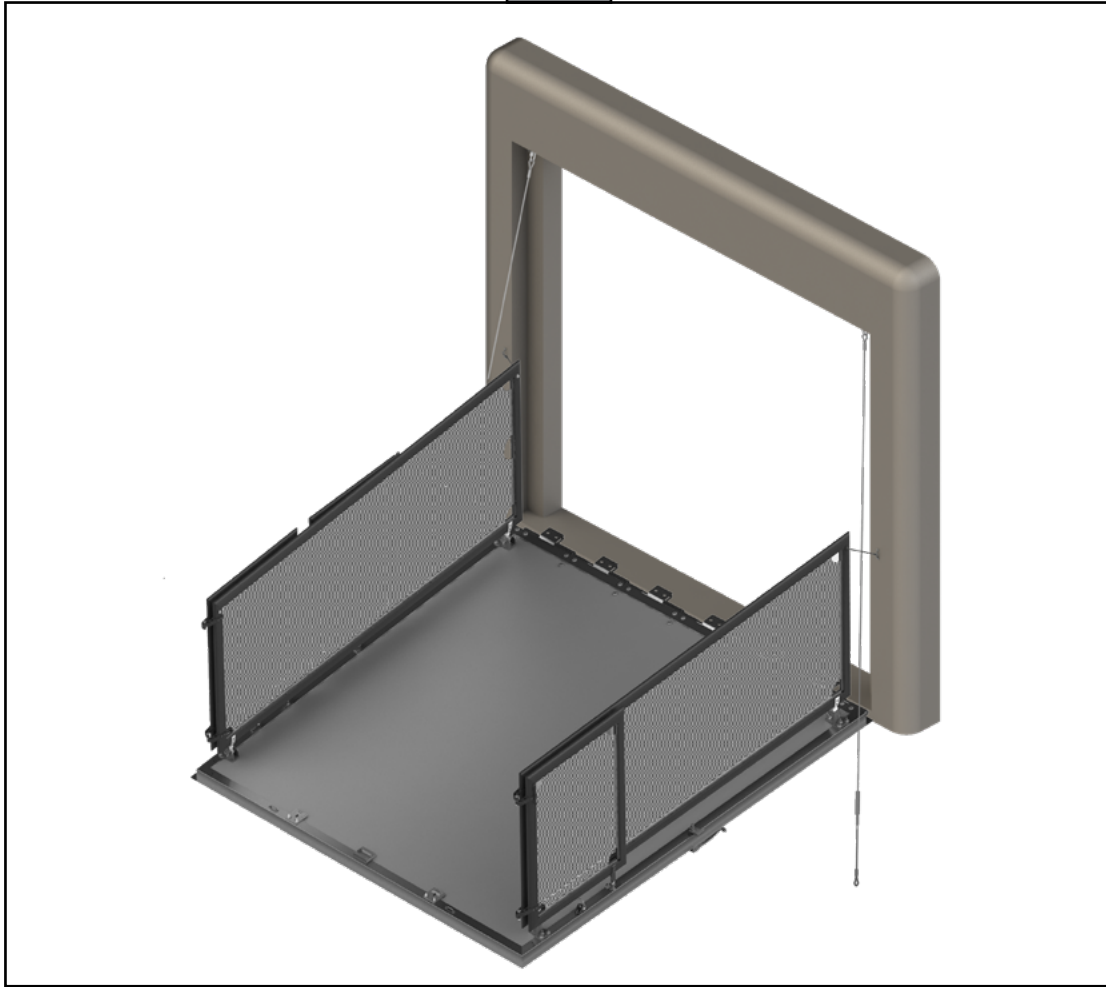
9. If applicable, locate the bungee on either side of the patio railing (Figs. 6B, 6C or 8A), on the outside rear of the patio railing closest to the door jamb.
10. Place the hook of the bungee (Fig. 8C) onto the footman loop (Fig. 8B).
11. Repeat steps 8-10 for the opposite side patio panel assembly.

Fig. 8



12. The Lippert 3000 Series patio rail kit and ramp door are now open, fully extended in the ramp position and ready to load/unload. (Fig. 9).

Fig. 9



⚠ WARNING

Do NOT attempt to stow the ramp door from ramp position without first completing all steps to put the ramp door back into the closed patio position (Fig. 2). Failure to put the ramp door back into closed patio position before stowing may result in death, serious personal injury and/or severe product and property damage, including voiding of the component warranty.

Ramp Position to Stowed Position

If the Lippert 3000 series ramp door is in the ramp position and the ramp door needs to be stowed, use the following procedure.

⚠ WARNING

- Do not operate the ramp door on uneven ground.
- Always lower ramp door onto level ground.
- Do not lower ramp door into a ditch or gully.
- Do not release the ramp door until it rests completely on the ground.
- Do not stand behind the ramp door while operating.
- Keep all body parts clear of the ramp door while closing.
- Failure to heed **WARNING** may result in serious bodily injury or component and/or property damage.

NOTE: Although the product is water resistant, LCI recommends storing the door in the closed position during periods of rain to reduce the risk of water intrusion, which may result in delamination.

⚠ CAUTION

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

NOTE: On alternate versions of the Lippert 3000 series patio rail kit, there will **NOT** be two front and rear bungees. An alternate version of the Lippert 3000 Series will have a J-bolt (Fig. 10A) located at both side patio railing front bases (Fig. 11A). Pull the yellow lanyard (Fig. 10B) and turn the J-bolt a quarter turn (Fig. 10C). Raise the side patio rails into a 90 degree position (Fig. 11B) until it clicks in the J-bolt, locking the patio rail into position. The J-bolt also holds the side rail panel down and in place when the yellow lanyard is pulled out and turned a quarter turn and the patio railing is folded down into the stowed position. The bungee cords located at the front and rear of the patio rails now serves the same purpose.

Fig. 10

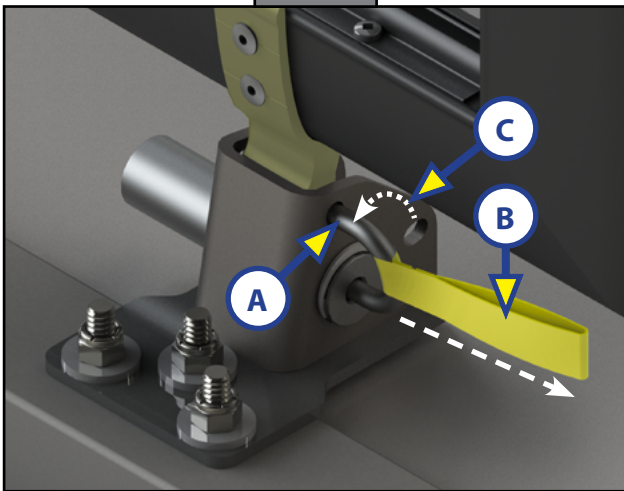
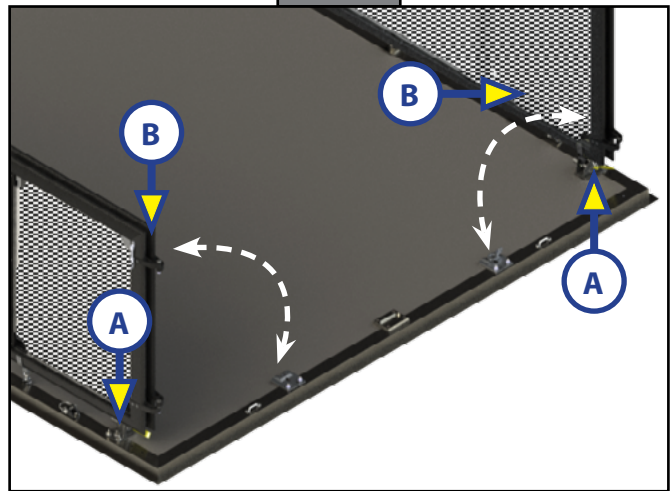
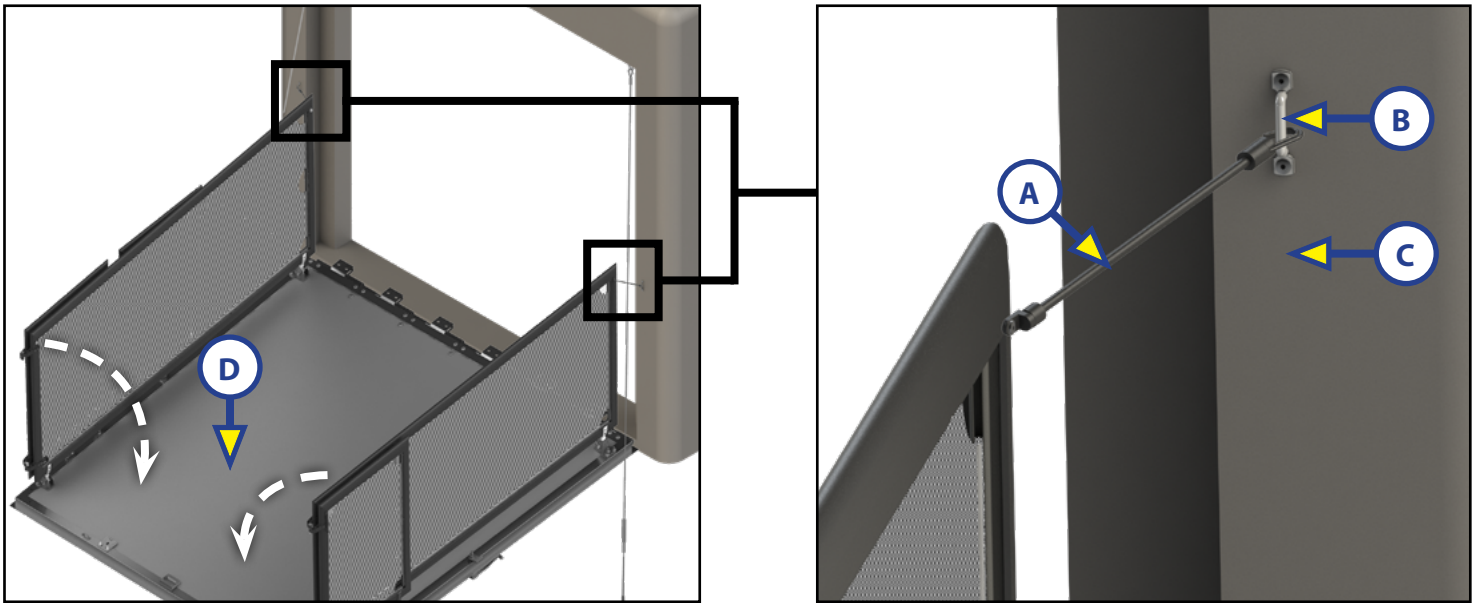


Fig. 11



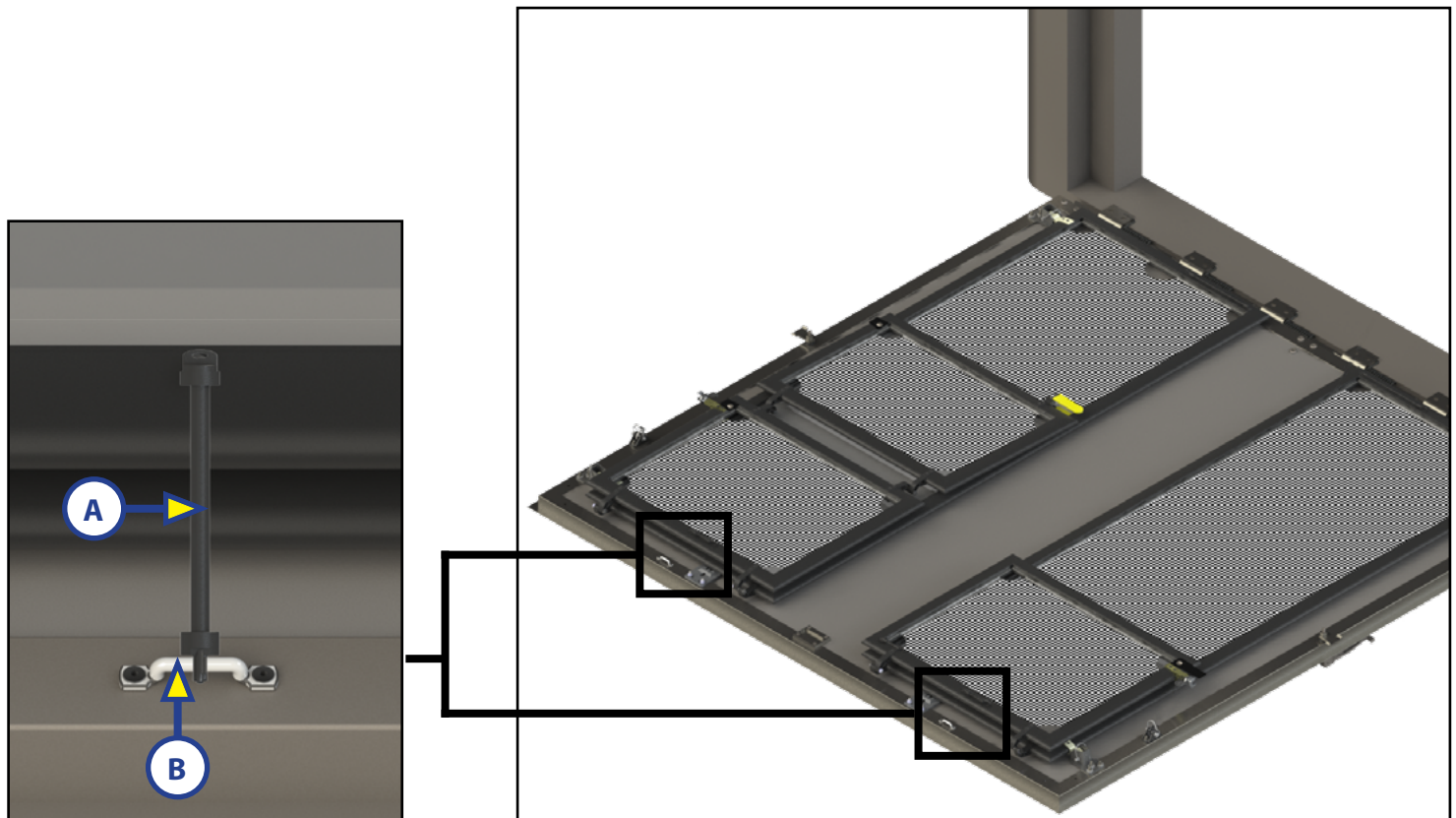
1. If applicable, release the rear bungee (Fig. 12A) attached to the footman loop (Fig. 12B) on the door jamb (Fig. 12C) for both sides of the patio rail kit and gently lower the patio railings to the surface of the door (Fig. 12D).

Fig. 12



2. Attach the front bungees (Fig. 13A) onto the front driver's side and curbside brackets (Fig. 13B), holding the patio railings to the ramp door.

Fig. 13

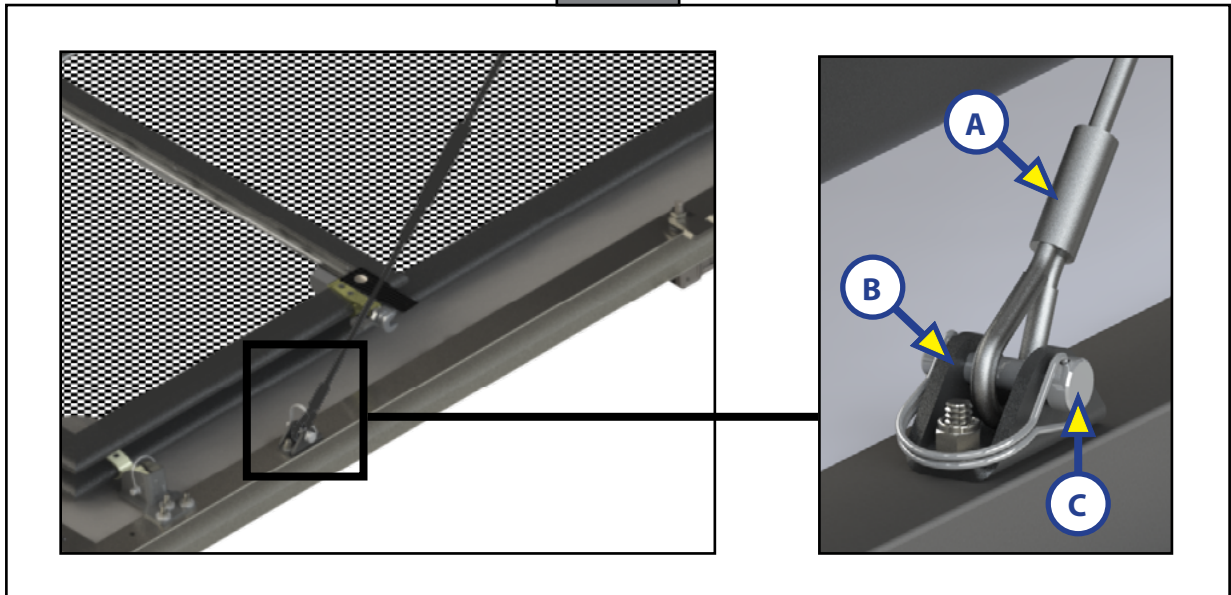


NOTICE

A method of support, or the assistance of another person, to support the ramp door when removing or attaching the door cables to extend the door to the ramp position is recommended.

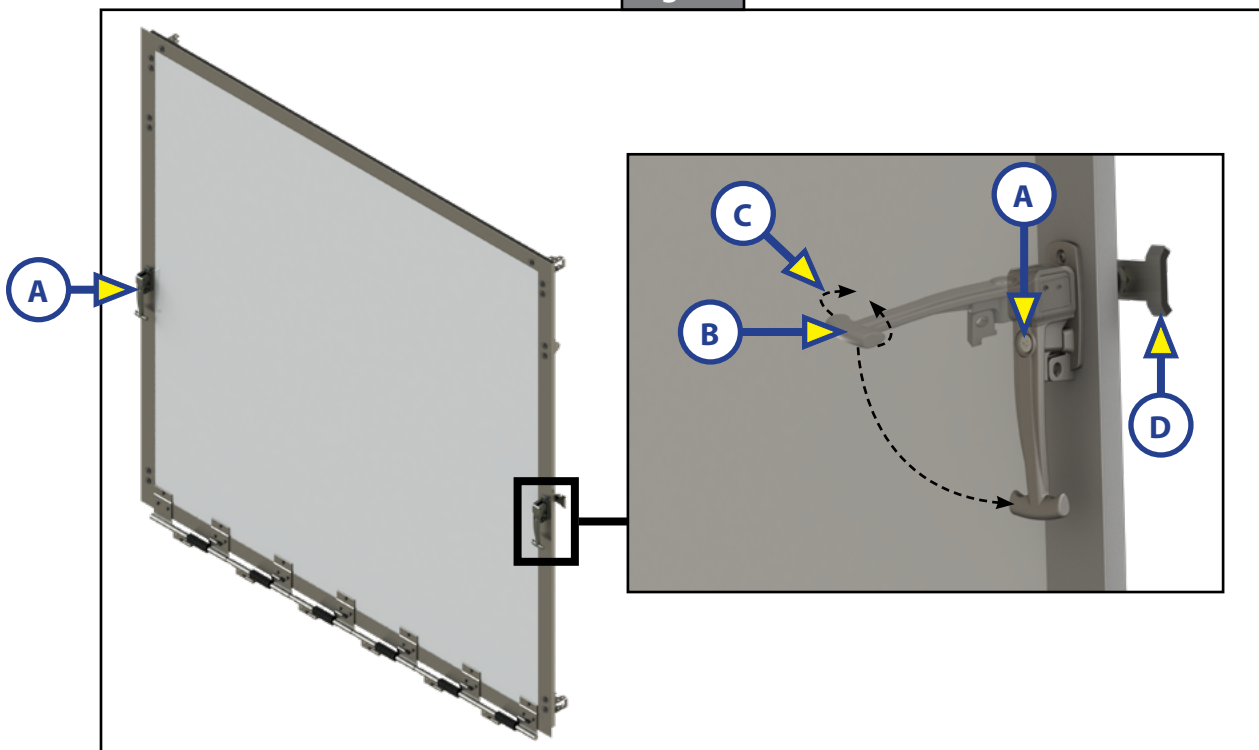
3. Raise the ramp door and attach the door cables (Fig. 14A) to the door cable brackets (Fig. 14B) with the retainer pins (Fig. 14C), on both sides of the ramp door.

Fig. 14



4. Make sure the ramp door and support wire cables on both sides of the door are clear of any obstructions.
5. For both sides of the ramp door, raise the handle of the compression latch (Fig. 15B) so that it is parallel with the ground.
6. For both sides of the ramp door, twist the compression latch handle 90° in either direction (Fig. 15C) to align the latch (Fig. 15D) in an open position to allow the ramp door to completely close in the door jamb.
7. Gently raise the ramp door into the doorjamb.
8. For both sides of the ramp door, lower the handle (Fig. 15B) and lock the compression latch (Fig. 15A).

Fig. 15



Ramp Position to Extended Patio Position

If the Lippert 3000 series ramp door is in the ramp position and now the open patio position is desired, use the following procedure.

⚠ WARNING

- Do not operate the ramp door on uneven ground.
- Always lower ramp door onto level ground.
- Do not lower ramp door into a ditch or gully.
- Do not release the ramp door until it rests completely on the ground.
- Do not stand behind the ramp door while operating.
- Keep all body parts clear of the ramp door while closing.
- Failure to heed **WARNING** may result in serious bodily injury or component and/or property damage.

NOTE: Although the product is water resistant, LCI recommends storing the door in the closed position during periods of rain to reduce the risk of water intrusion, which may result in delamination.

⚠ CAUTION

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

NOTE: On alternate versions of the Lippert 3000 series patio rail kit, there will **NOT** be two front and rear bungees. An alternate version of the Lippert 3000 Series will have a J-bolt (Fig. 16A) located at both side patio railing front bases (Fig. 17A). Pull the yellow lanyard (Fig. 16B) and turn the J-bolt a quarter turn (Fig. 16C). Raise the side patio rails into a 90 degree position (Fig. 17B) until it clicks in the J-bolt, locking the patio rail into position. The J-bolt also holds the side rail panel down and in place when the yellow lanyard is pulled out and turned a quarter turn and the patio railing is folded down into the stowed position. The bungee cords located at the front and rear of the patio rails now serves the same purpose.

Fig. 16

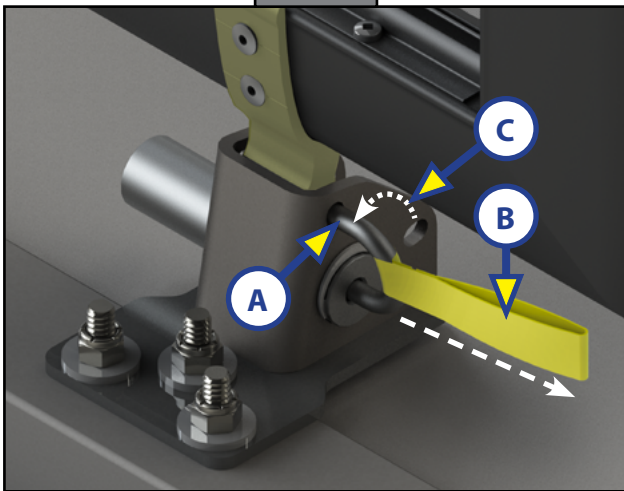
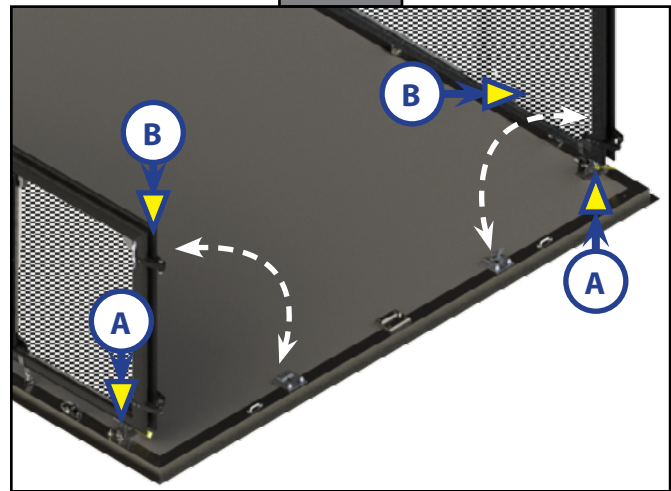
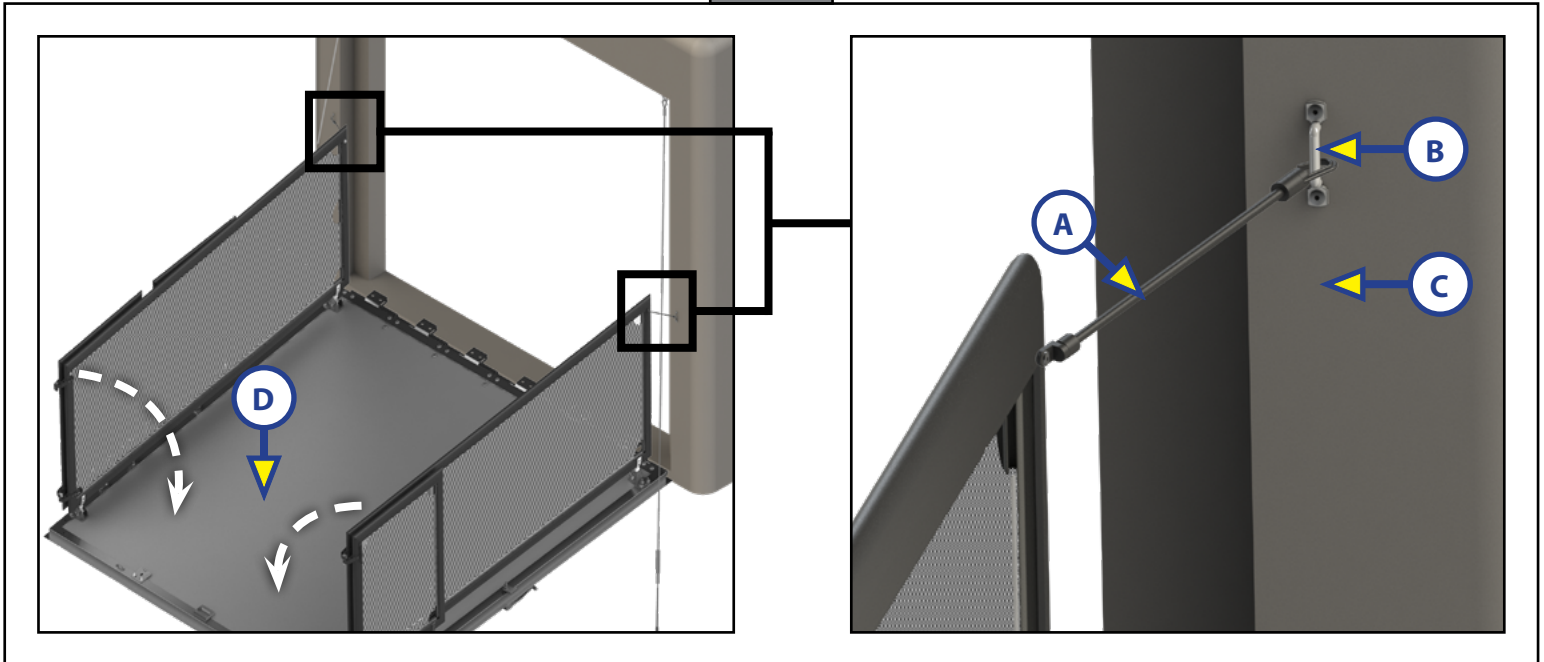


Fig. 17



1. If applicable, release the rear bungee (Fig. 18A) attached to the footman loop (Fig. 18B) on the door jamb (Fig. 18C) for both sides of the patio rail kit and gently lower the patio railings to the surface of the door (Fig. 18D).

Fig. 18

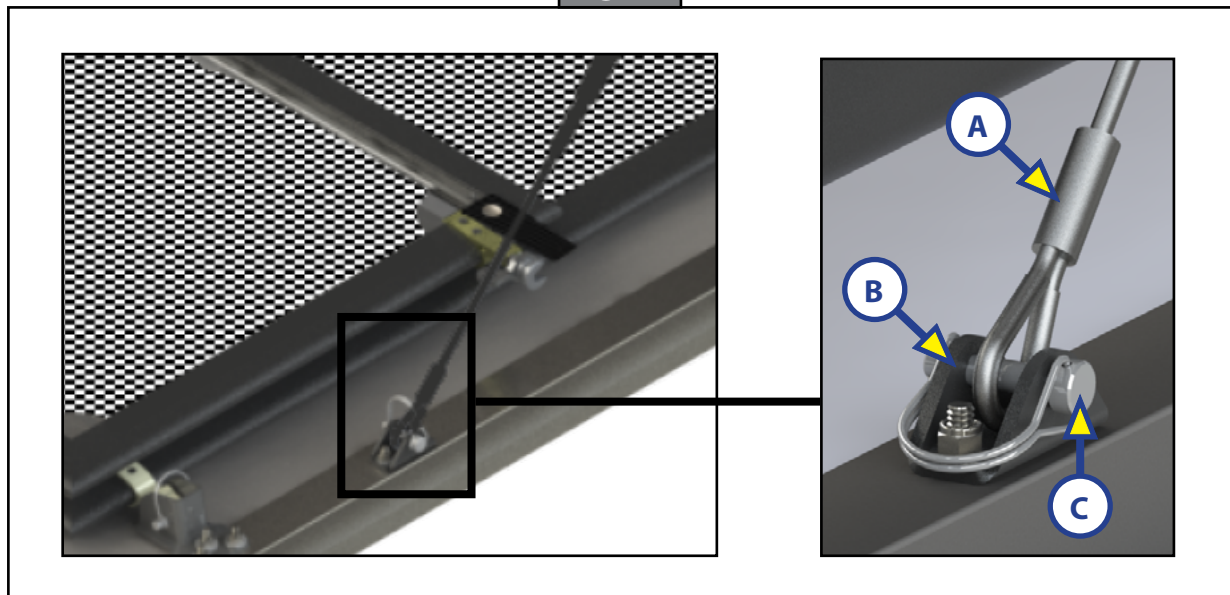


⚠ NOTICE

A method of support, or the assistance of another person, to support the ramp door when removing or attaching the door cables to extend the door to the ramp position is recommended.

2. Raise the ramp door and attach the door cables (Fig. 19A) to the door cable brackets (Fig. 19B) with the retainer pins (Fig. 19C), on both sides of the ramp door.

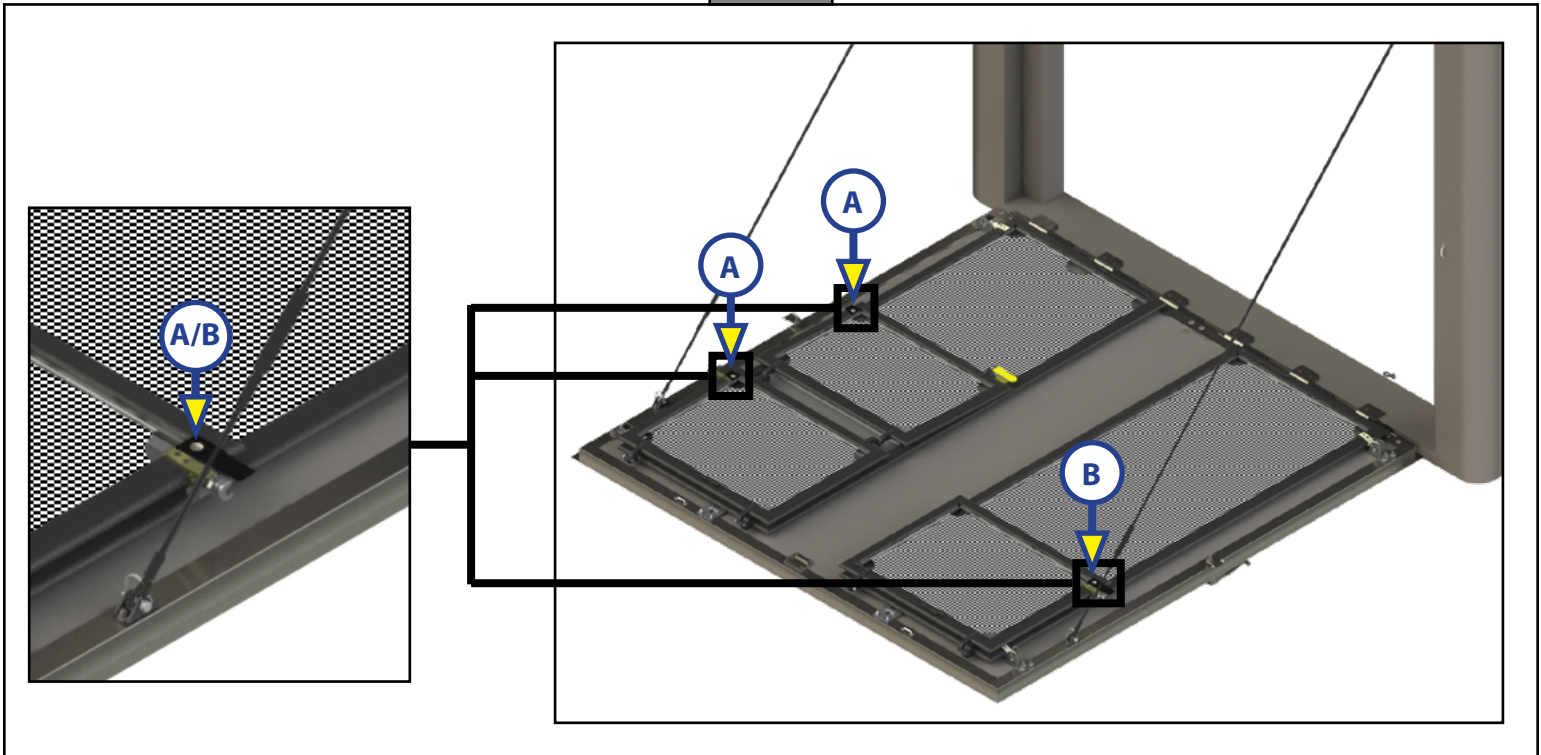
Fig. 19



3. Release the two snaps holding the front panel and gate to the driver's side railing (Fig. 20A) and one snap on the curbside railing (Fig. 20B).

NOTE: An alternate version of the patio rail kit has a "no-gate" option, with only one snap on each side holding the two front panels to the side panels.

Fig. 20



4. If applicable, engage the J-bolt (Fig. 16) on the curbside of the patio railing.
5. For the curbside patio railing (Fig. 21A), fold the front panel (Fig. 21B) over towards the top of the ramp door.
6. Lift the patio railing up into a 90 degree position (Fig. 22A).
7. Swing the front panel in towards the center of the ramp door (Fig. 23A).

Fig. 21

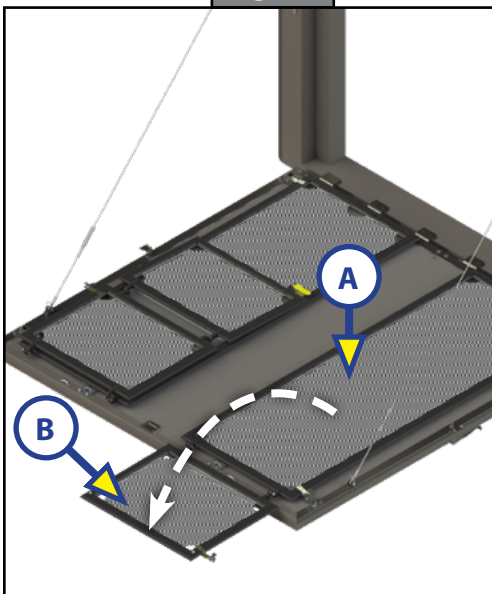


Fig. 22

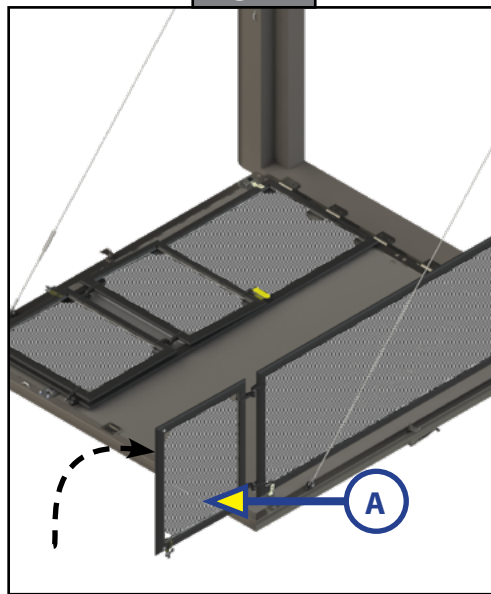
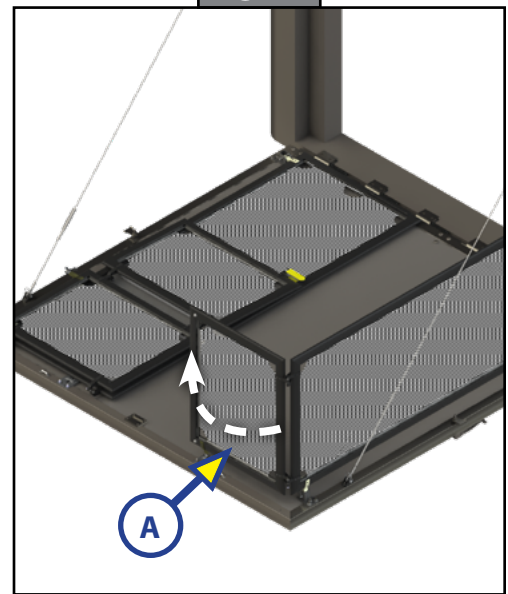


Fig. 23



8. Located towards the top of the ramp door, secure the curbside front panel bottom leg (Fig. 24A) into the keeper (Fig. 24B) by pushing the compression latch lever (Fig. 24C) towards the trailer, slide the leg into place and release the lever.

NOTE: Alternate versions of the Lippert 3000 series will have a spring plunger (Fig. 25A). Turn the lever (Fig. 25B) towards the trailer, and insert and secure the curbside patio rail leg.

Fig. 24

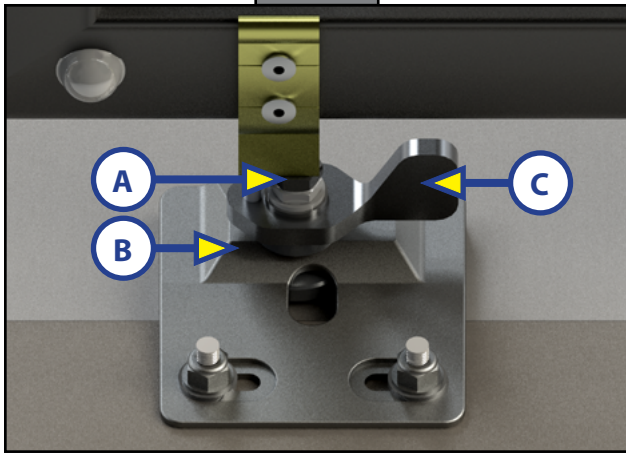
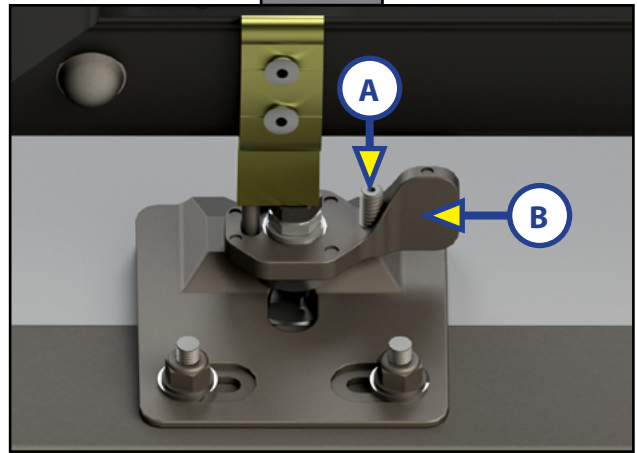


Fig. 25



9. If applicable, engage the J-Bolt (Fig. 16) on the driver's side of the patio railing.
10. For the driver's side patio railing (Fig. 26A), fold the front panel and gate (Fig. 26B) over towards the top of the ramp door.
11. Lift the patio railing up into a 90 degree position (Fig. 27A).
12. Swing the driver's side front gate and railing panel in towards the center of the ramp door (Fig. 28A).

Fig. 26

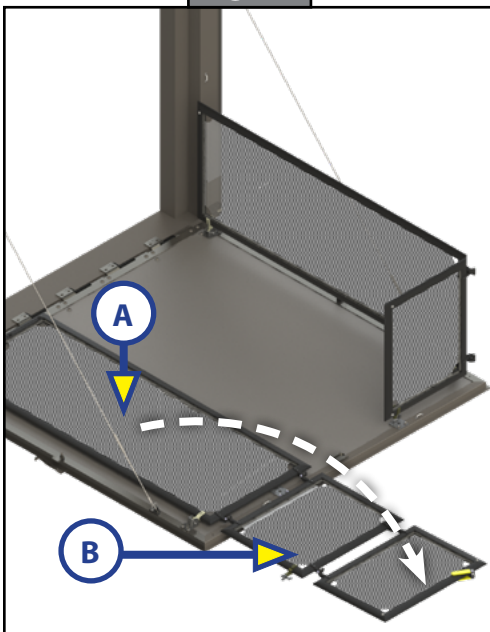


Fig. 27

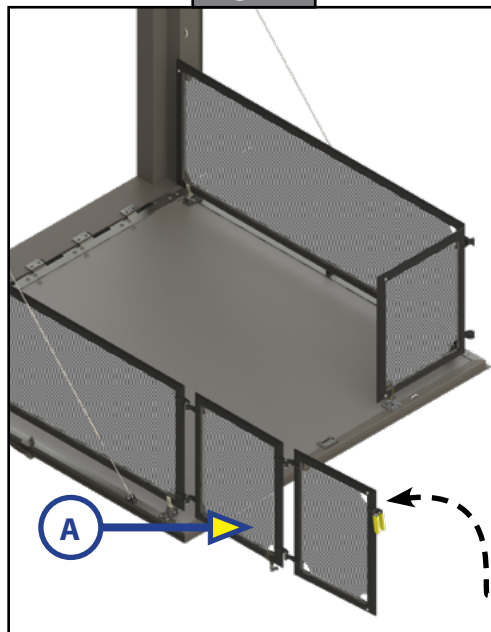
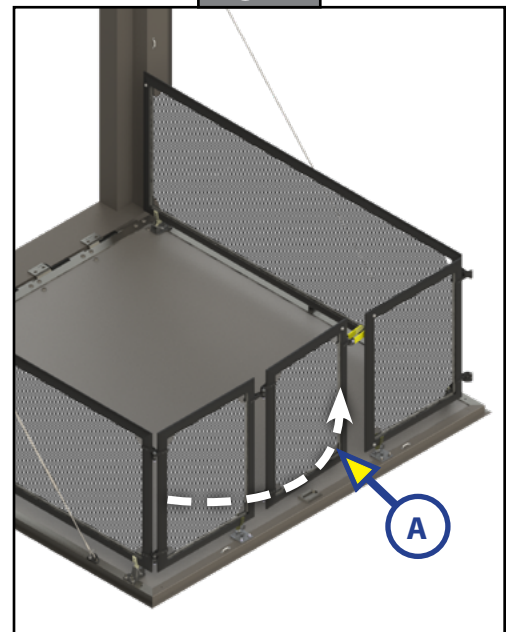


Fig. 28



13. Located towards the top of the ramp door, secure the driver's side front gate bottom leg (Fig. 29B) into the keeper (Fig. 29C) by pushing the compression latch lever (Fig. 29A) towards the trailer, slide the leg into place and release the lever.

NOTE: Alternate versions of the Lippert 3000 series will have a spring plunger (Fig. 30A). Turn the lever (Fig. 30B) towards the trailer, insert and secure the curbside patio rail leg.

Fig. 29

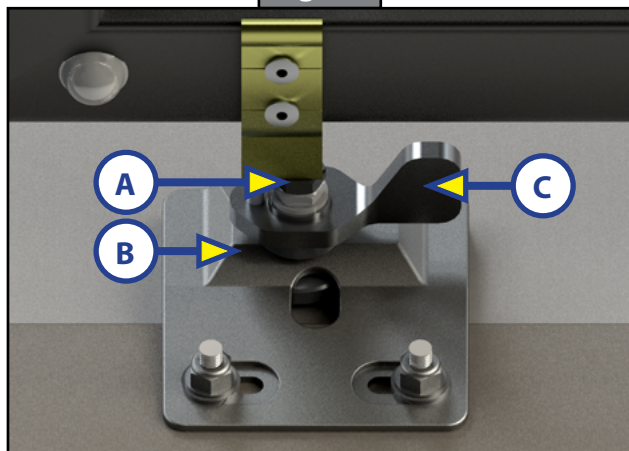
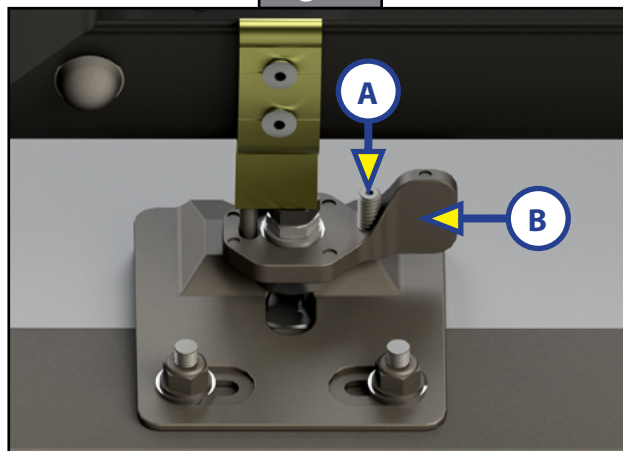


Fig. 30



14. Secure the middle front gate (Fig. 31A) by rotating the U-shaped latch (Fig. 31B) over the curbside front patio panel (Fig. 32A).

Fig. 31

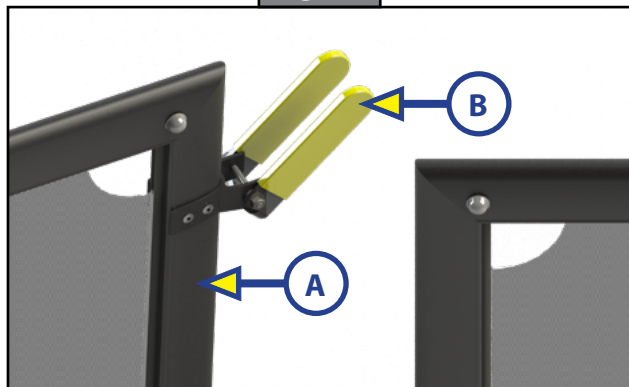
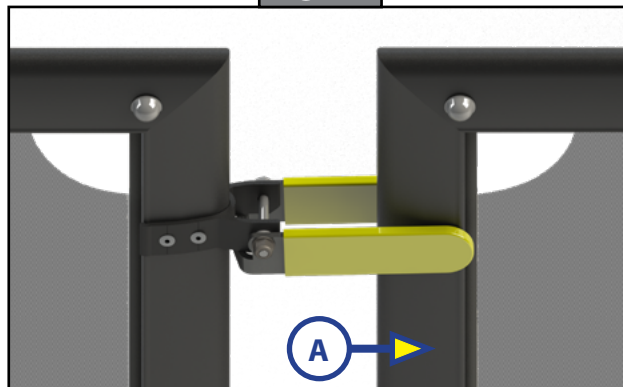


Fig. 32



15. Attach the gap panel for added support and security for small children and pets, in between the rear of the patio railing and the door jamb. Slide the rubber bulb side of the gap panel (Fig. 33A) onto the extrusion edge of the door jamb (Fig. 33B).
16. Attach the three buckles (Fig. 34A) on the other side of the gap panel around the rear side panel vertical post (Fig. 34B), through the holes in the screen and snap the buckles together.

Fig. 33

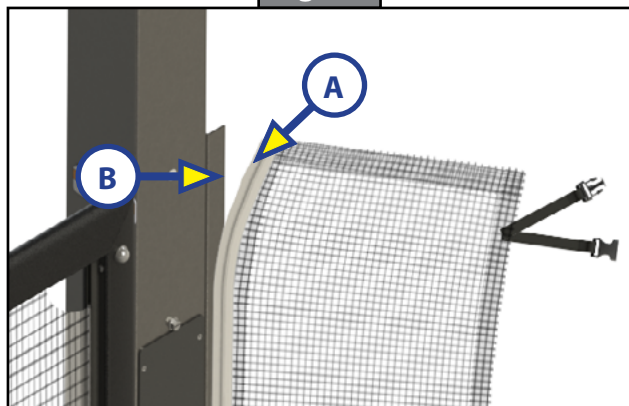
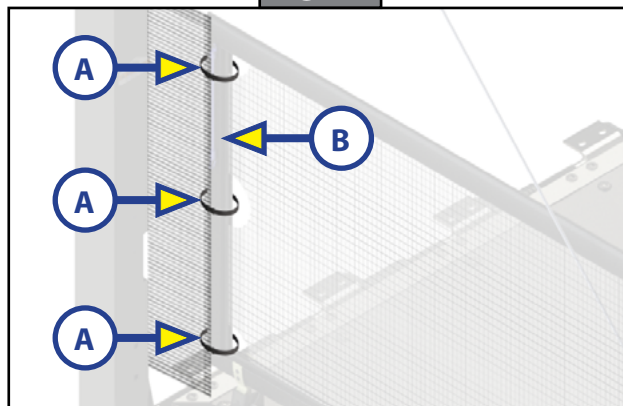


Fig. 34



17. The Lippert 3000 Series ramp door and patio rail kit are now open and fully deployed, with a gate (Fig. 35) or without a gate (Fig. 36).

Fig. 35

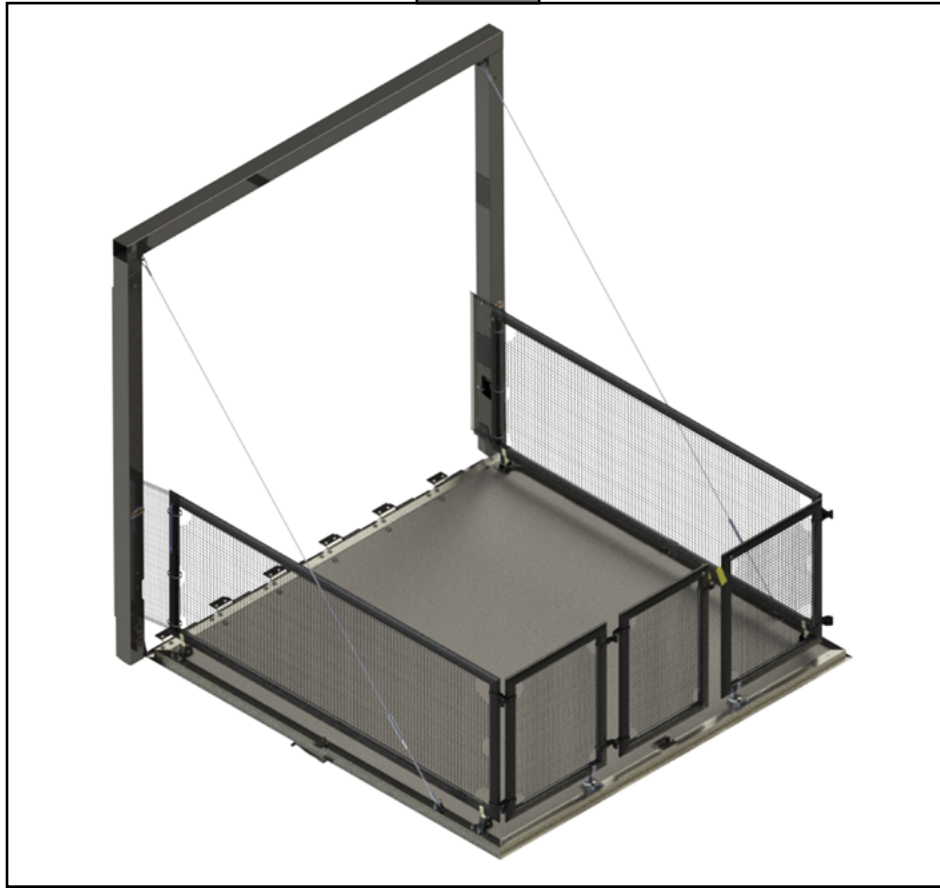
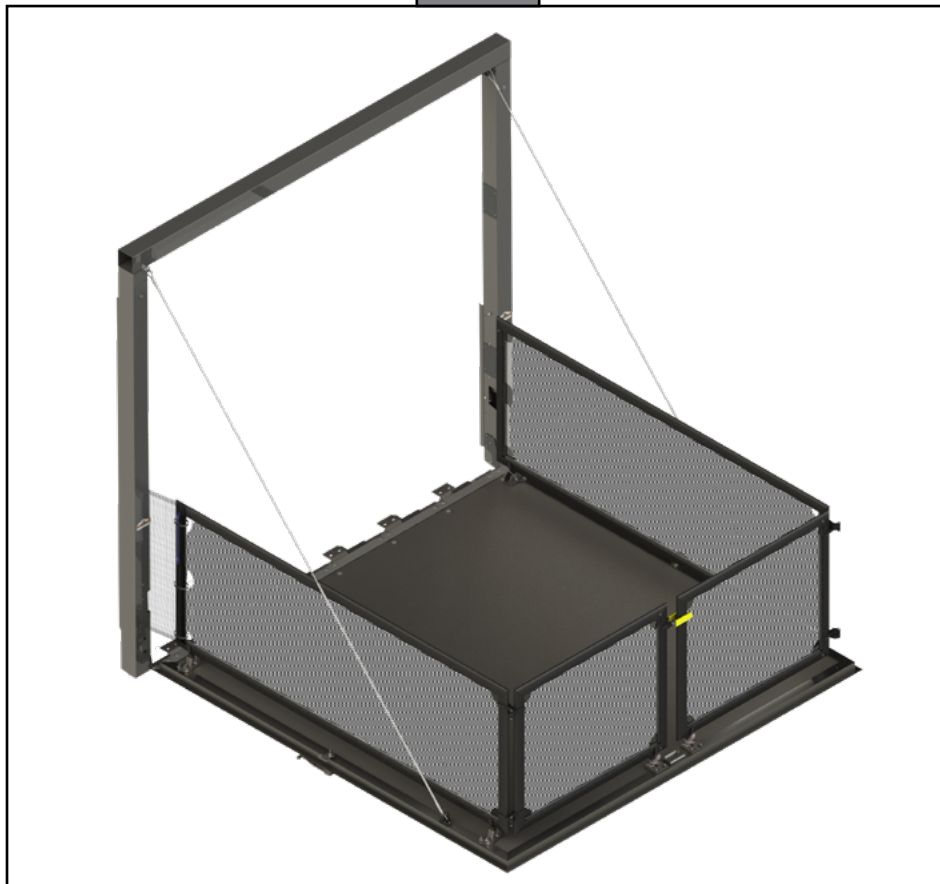


Fig. 36



Stowed Position to Extended Patio Position

If the Lippert 3000 series ramp door is in the stowed position and the extended patio position is desired, use the following procedure.

⚠ WARNING

- Do not operate the ramp door on uneven ground.
- Always lower ramp door onto level ground.
- Do not lower ramp door into a ditch or gully.
- Do not release the ramp door until it rests completely on the ground.
- Do not stand behind the ramp door while operating.
- Keep all body parts clear of the ramp door while closing.
- Failure to heed **WARNING** may result in serious bodily injury or component and/or property damage.

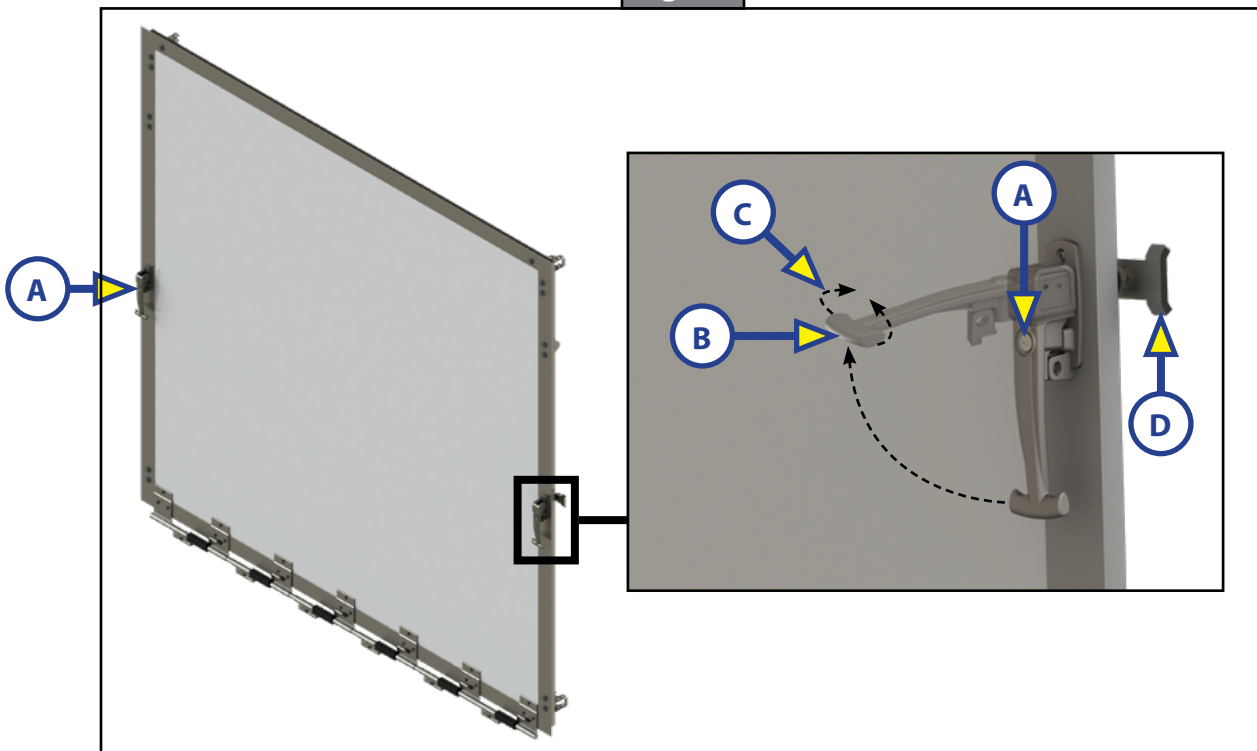
NOTE: Although the product is water resistant, LCI recommends storing the door in the closed position during periods of rain to reduce the risk of water intrusion, which may result in delamination.

⚠ CAUTION

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

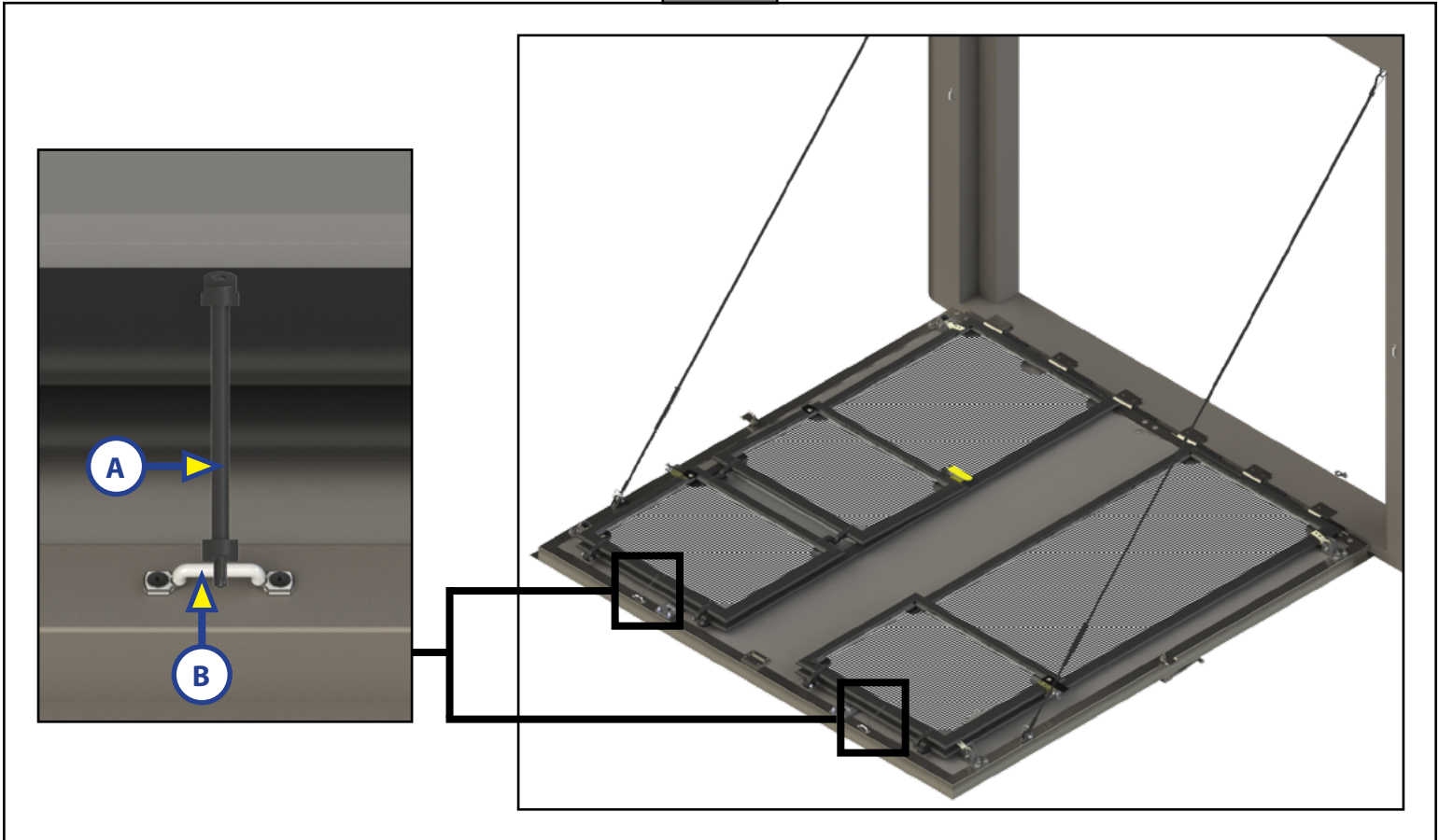
1. To open the ramp door, first verify the compression latch is unlocked (Fig. 37A).
2. Raise the handle of the compression latch (Fig. 37B) so that it is parallel with the ground.
3. Twist the compression latch handle 90° in either direction (Fig. 37C). This will release the locking tab (Fig. 37D) from the door jamb, allowing the ramp door to be lowered.
4. Slowly lower the patio ramp door until it rests at the 90 degree position, parallel to the ground.

Fig. 37



5. Unhook the bungee (Fig. 38A) from the front driver's side and curbside brackets (Fig. 38B), holding the patio railings to the ramp door.

Fig. 38



NOTE: On alternate versions of the Lippert 3000 series patio rail kit, there will **NOT** be two front and rear bungees. An alternate version of the Lippert 3000 Series will have a J-bolt (Fig. 39A) located at both side patio railing front bases (Fig. 40A). Pull the yellow lanyard (Fig. 39B) and turn the J-bolt a quarter turn (Fig. 39C). Raise the side patio rails into a 90 degree position (Fig. 40B) until it clicks into the J-bolt, locking the patio rail into position. The J-bolt also holds the side rail panel down and in place when the yellow lanyard is pulled out, turned a quarter turn and the patio railing is folded down into the stowed position (Fig. 38). The bungee cords (Fig. 38A) located at the front of the patio rail assembly's now serves the same purpose.

Fig. 39

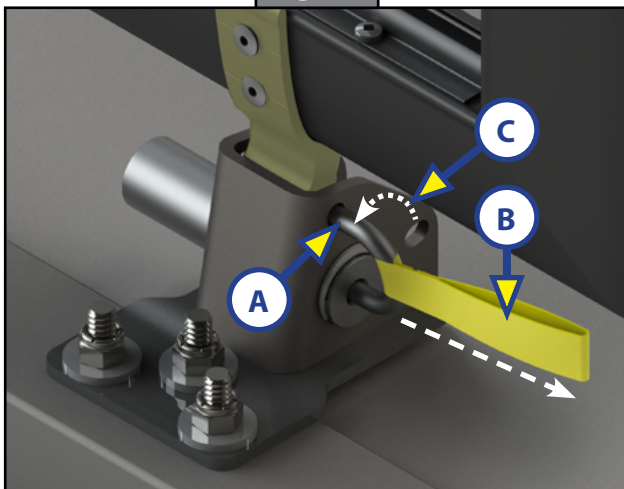
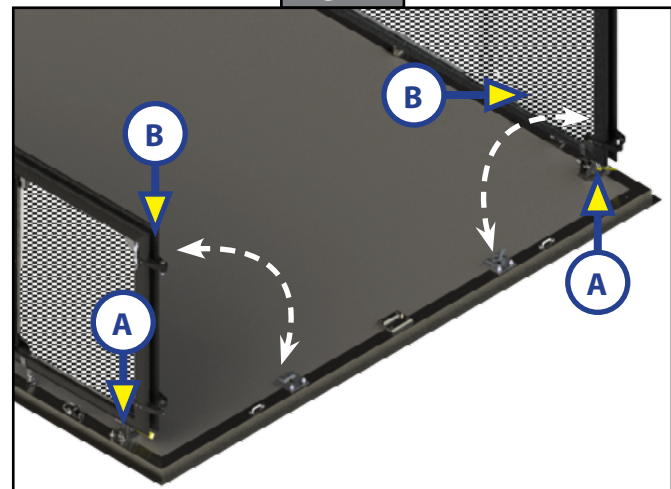


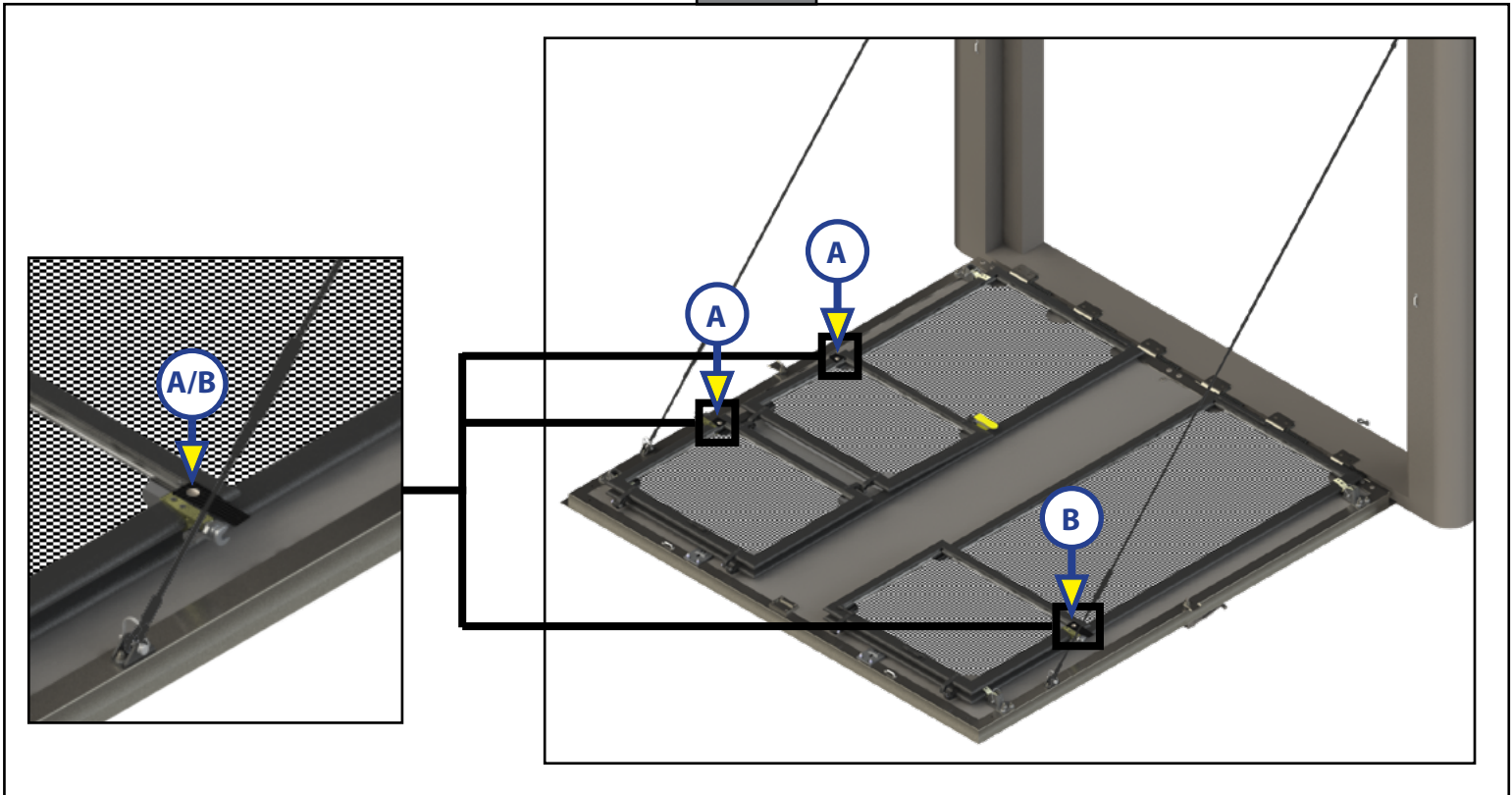
Fig. 40



6. Release the two snaps holding the front panel and gate to the driver's side railing (Fig. 41A) and one snap on the curbside railing (Fig. 41B).

NOTE: An alternate version of the patio rail kit has a "no-gate" option which there will only be one snap on each side holding the two front panels to the side panels.

Fig. 41



7. If applicable, engage the J-bolt (Fig. 39) on the curbside of the patio railing.
8. For the curbside patio railing (Fig. 42A), fold the front panel (Fig. 42B) over towards the top of the ramp door.
9. Lift the patio railing up into a 90 degree position (Fig. 43A).
10. Swing the front panel in towards the center of the ramp door (Fig. 44A).

Fig. 42

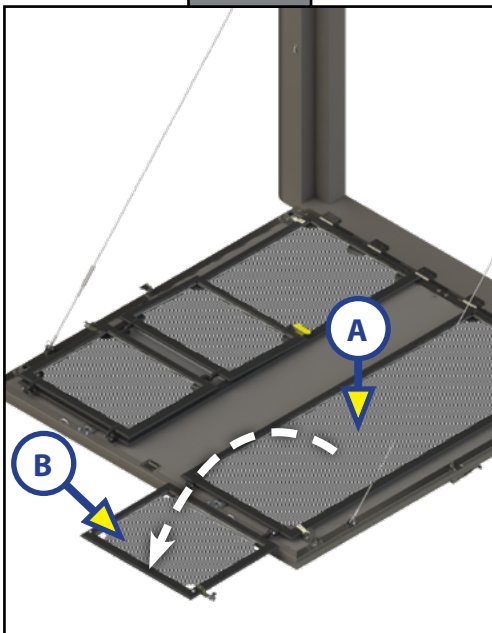


Fig. 43

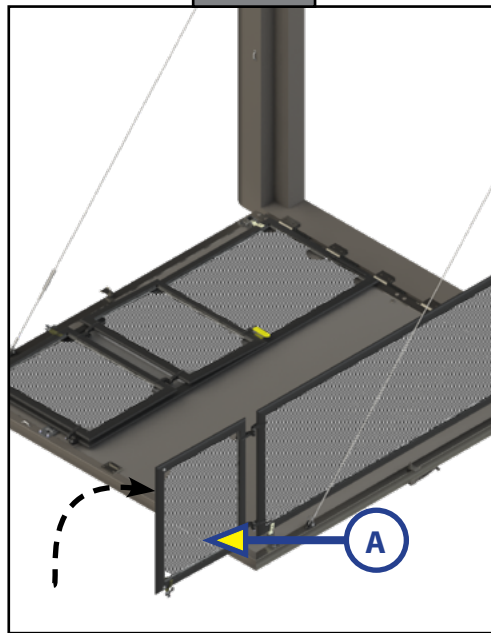
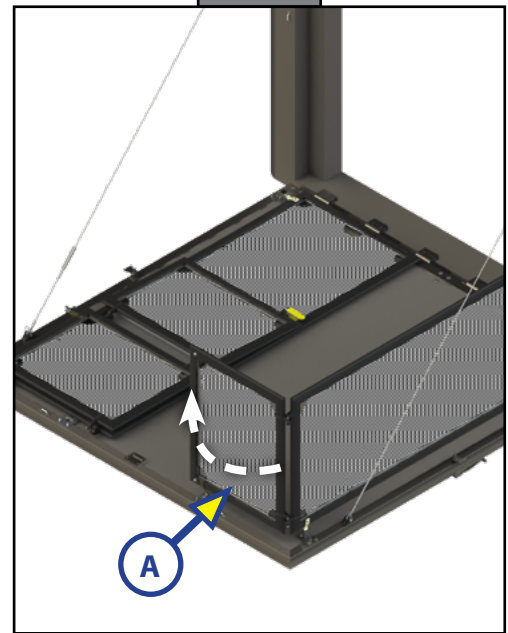


Fig. 44



11. Located towards the top of the ramp door, secure the curbside front panel bottom leg (Fig. 45A) into the keeper (Fig. 45B) by pushing the compression latch lever (Fig. 45C) towards the trailer, slide the leg into place and release the lever.

NOTE: Alternate versions of the Lippert 3000 series will have a spring plunger (Fig. 46A). Turn the lever (Fig. 46B) towards the trailer, insert and secure the curbside patio rail leg.

Fig. 45

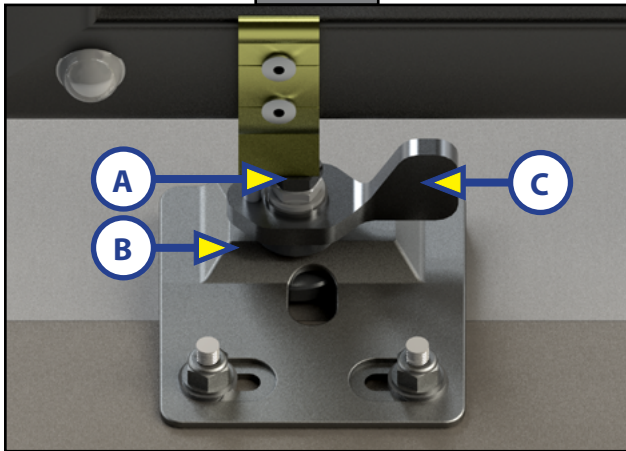
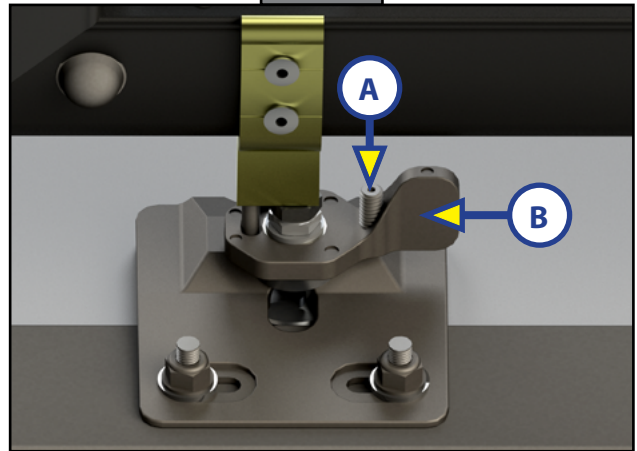


Fig. 46



12. If applicable, engage the J-bolt (Fig. 39) on the driver's side of the patio railing.
13. For the driver's side patio railing (Fig. 47A), fold the front panel and gate (Fig. 47B) over towards the top of the ramp door.
14. Lift the patio railing up into a 90 degree position (Fig. 48A).
15. Swing the driver's side front gate and railing panel in towards the center of the ramp door (Fig. 49A).

Fig. 47

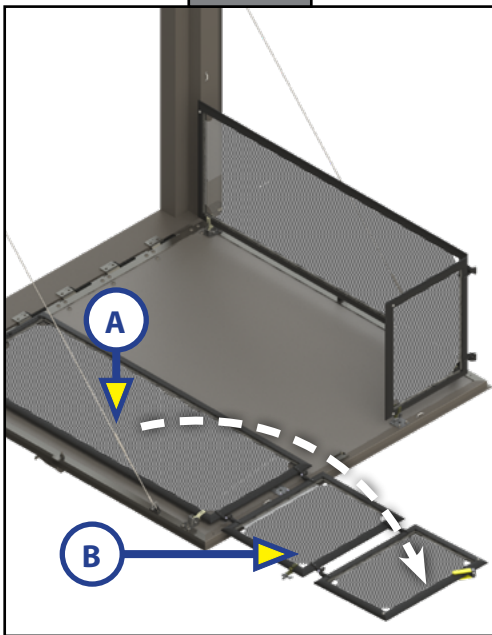


Fig. 48

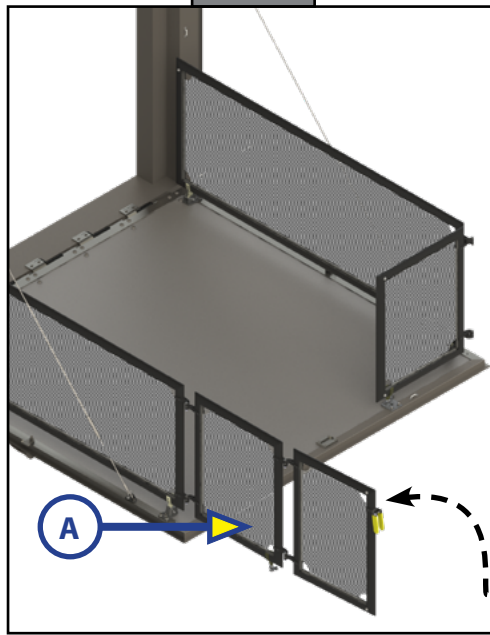
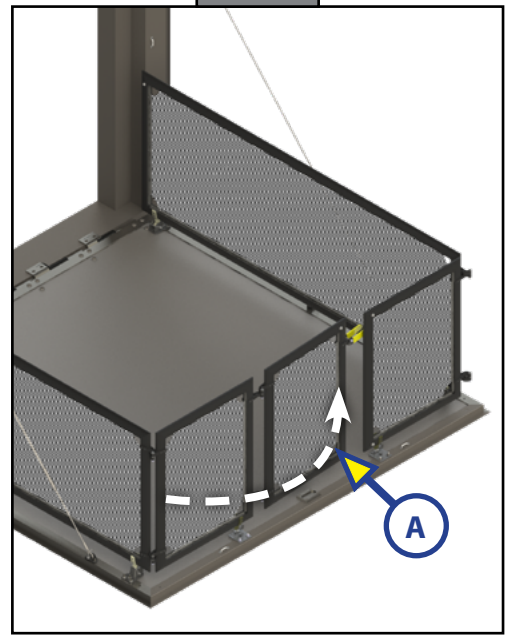


Fig. 49



16. Located towards the top of the ramp door, secure the driver's side front gate bottom leg (Fig. 50B) into the keeper (Fig. 50C) by pushing the compression latch lever (Fig. 50A) towards the trailer, slide the leg into place and release the lever.

NOTE: Alternate versions of the Lippert 3000 series will have a spring plunger (Fig. 51A). Turn the lever (Fig. 51B) towards the trailer, and insert and secure the curbside patio rail leg.

Fig. 50

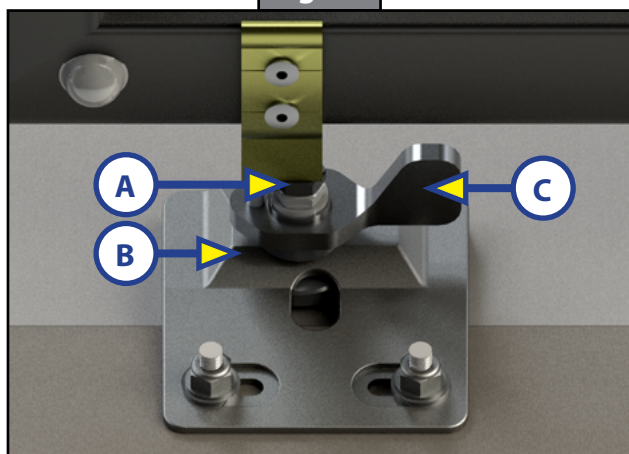
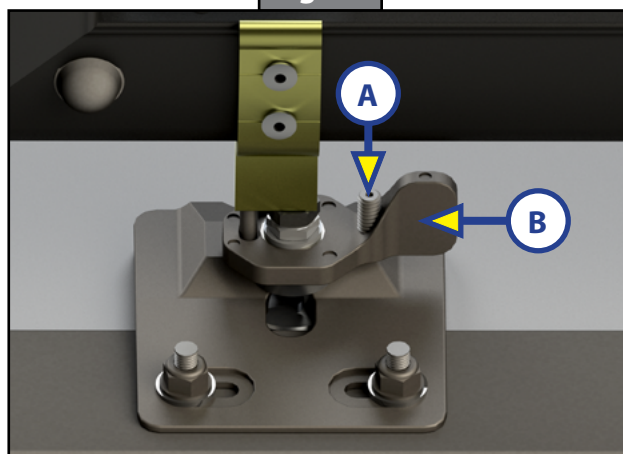


Fig. 51



17. Secure the middle front gate (Fig. 52A) by rotating the U-shaped latch (Fig. 52B) over the curbside front patio panel (Fig. 53A).

Fig. 52

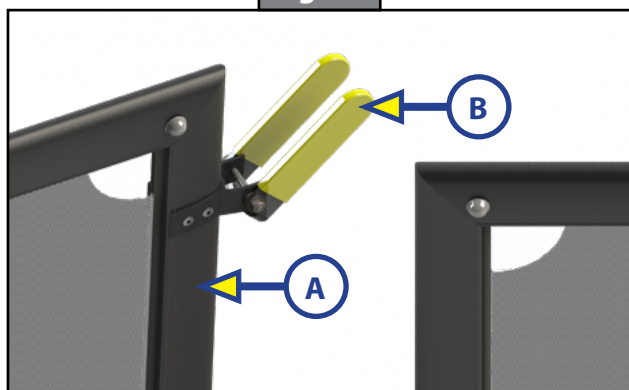
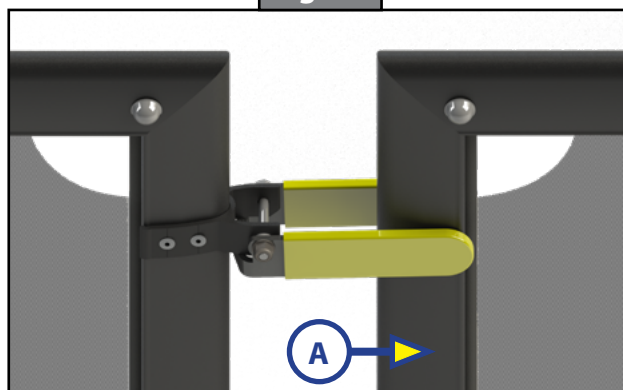


Fig. 53



18. Attach the gap panel for added support and security for small children and pets, in between the rear of the patio railing and the door jamb. Slide the rubber bulb side of the gap panel (Fig. 54A) onto the extrusion edge of the door jamb (Fig. 54B).
19. Attach the three buckles (Fig. 55A) on the other side of the gap panel around the rear side panel vertical post (Fig. 55B), through the holes in the screen and snap the buckles together.

Fig. 54

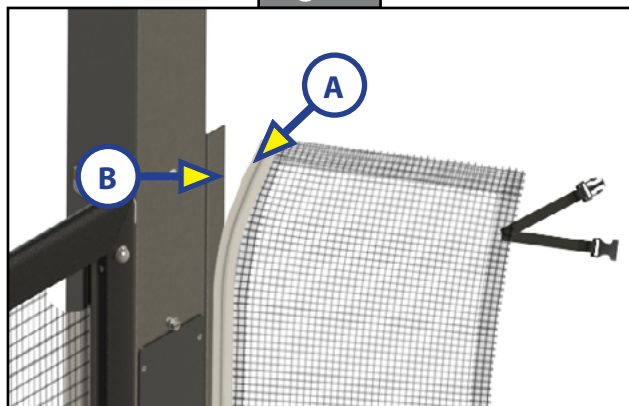
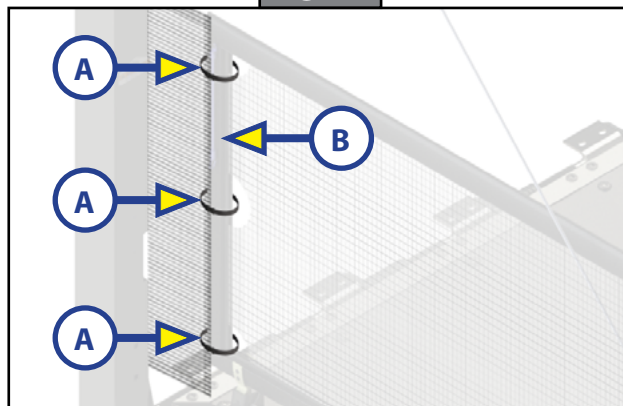


Fig. 55



20. The Lippert 3000 Series ramp door and patio rail kit are now open and fully deployed, with a gate (Fig. 56) or with out a gate (Fig. 57).

Fig. 56

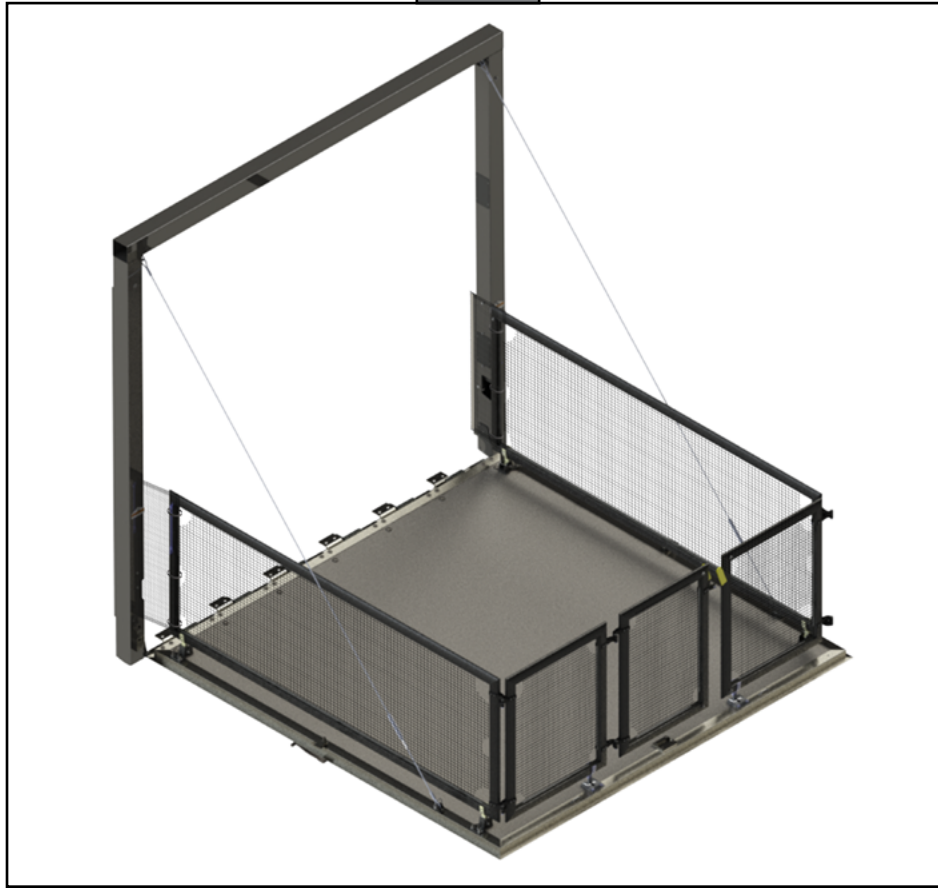
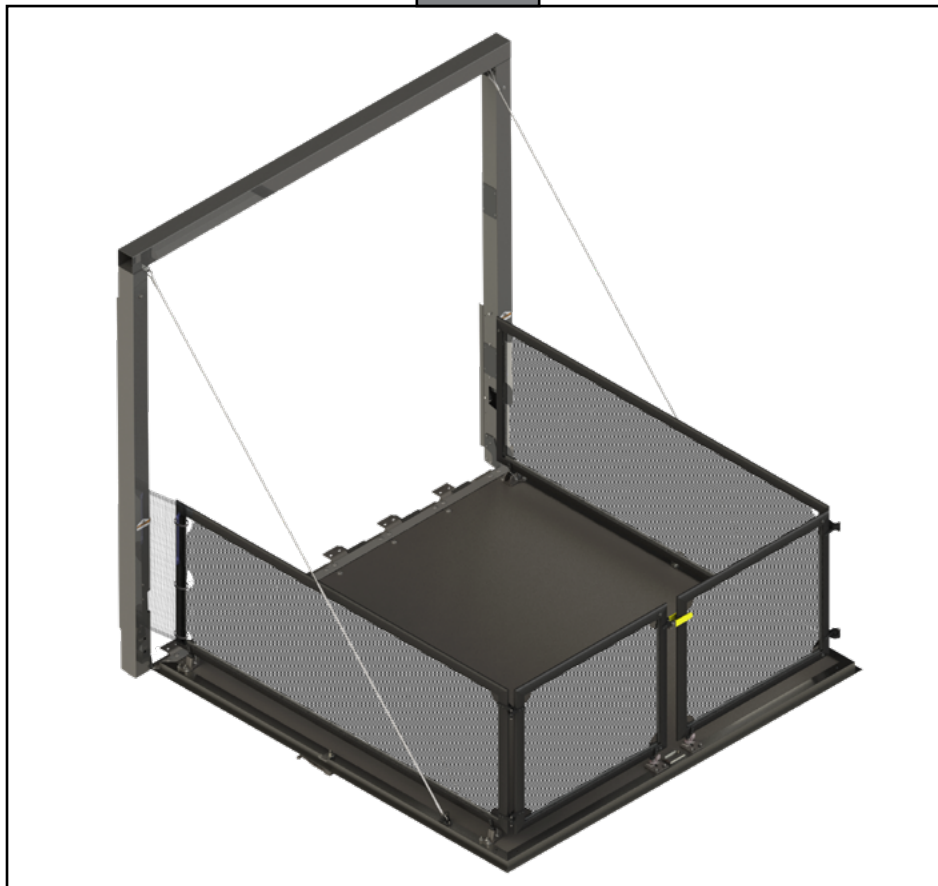


Fig. 57



Extended Patio Position to Ramp Position

If the Lippert 3000 series ramp door is in the extended patio position and the ramp door is desired, use the following procedure.

⚠ WARNING

- Do not operate the ramp door on uneven ground.
- Always lower ramp door onto level ground.
- Do not lower ramp door into a ditch or gully.
- Do not release the ramp door until it rests completely on the ground.
- Do not stand behind the ramp door while operating.
- Keep all body parts clear of the ramp door while closing.
- Failure to heed **WARNING** may result in serious bodily injury or component and/or property damage.

NOTE: Although the product is water resistant, LCI recommends storing the door in the closed position during periods of rain to reduce the risk of water intrusion, which may result in delamination.

⚠ CAUTION

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

1. If applicable, remove the gap panels. Slide the rubber bulb side of the gap panel (Fig. 58A) off the extrusion edge of the door jamb (Fig. 58B).
2. Unsnap the three buckles (Fig. 59A) on the other side of the gap panel located around the rear side panel vertical post (Fig. 59B). Store gap panels in a secure location.

Fig. 58

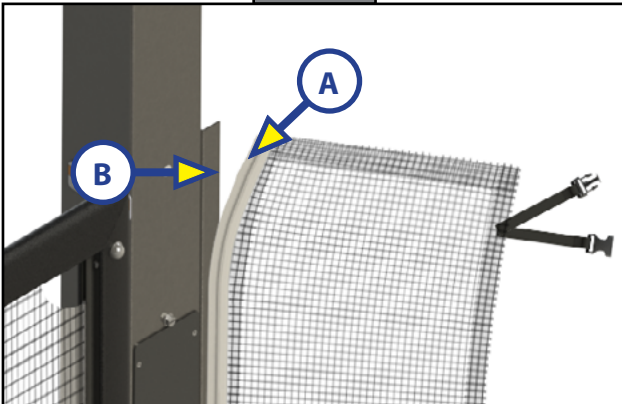
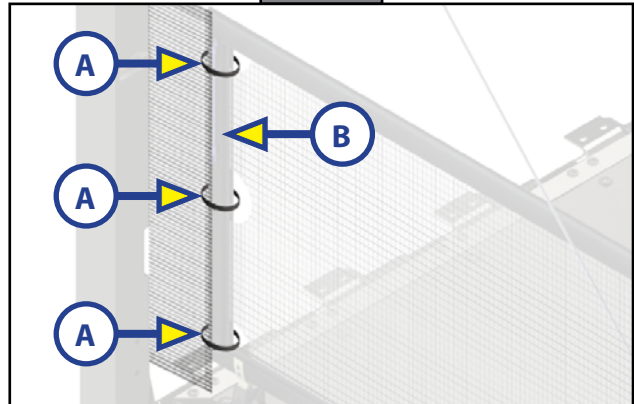


Fig. 59



3. Located on the middle front gate panel or the driver's side front panel for the no-gate option, unlatch the U-shaped latch (Fig. 60A) by flipping the latch over towards the driver's side front patio railing (Fig. 61A).

Fig. 60

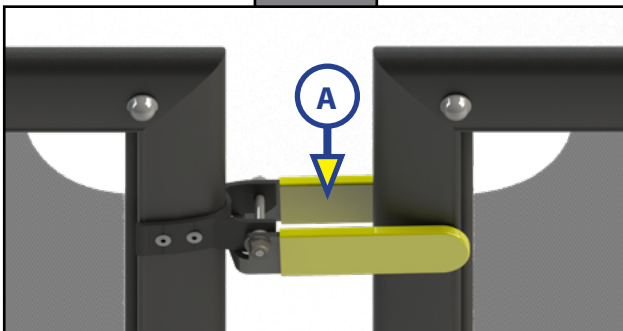
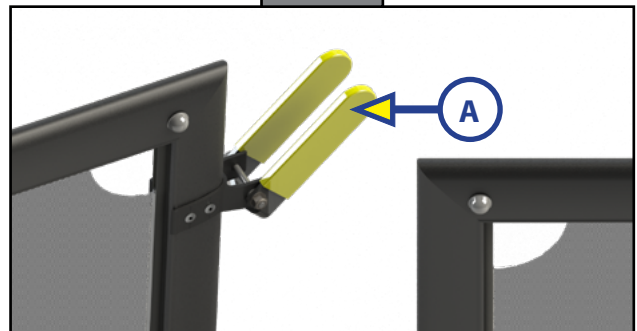


Fig. 61



4. Located towards the top of the ramp door, release the driver's side front panel bottom leg (Fig. 62B) from the keeper (Fig. 62C) by pushing the compression latch lever (Fig. 62A) towards the trailer, slide the leg out of the keeper and release the lever.

NOTE: Alternate versions of the Lippert 3000 series will have a spring plunger (Fig. 63A). Turn the lever (Fig. 63B) towards the trailer, and release the driver's side patio rail leg.

Fig. 62

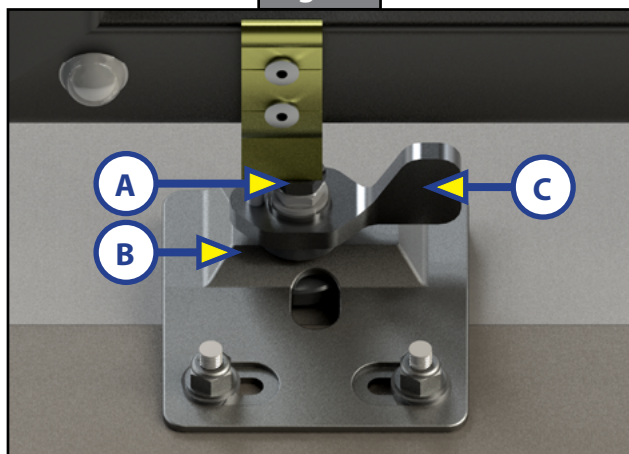
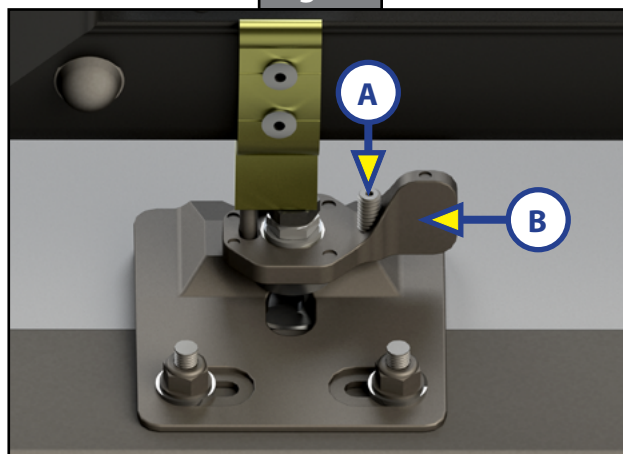


Fig. 63



5. For the driver's side patio railing, swing the front panel and gate (Fig. 64A) out in-line with the side patio railing (Fig. 65A).

Fig. 64

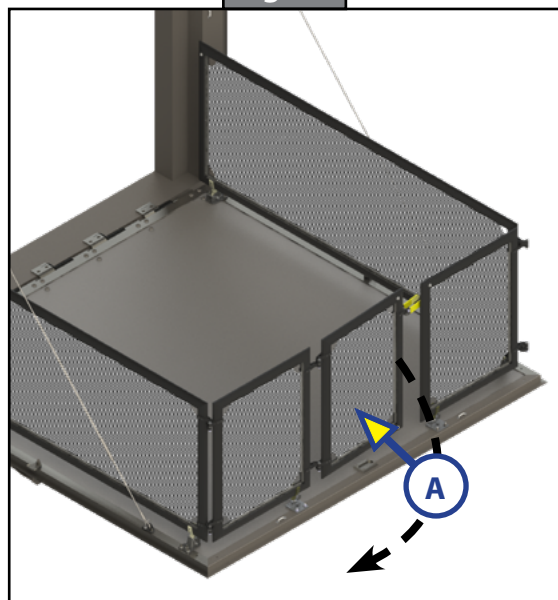
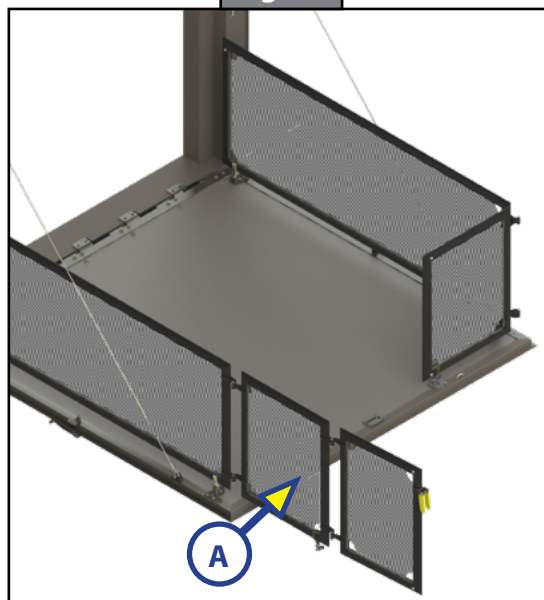


Fig. 65



6. If applicable, disengage the J-bolt (Fig. 66) on the driver's side of the patio railing.

NOTE: On alternate versions of the Lippert 3000 Series it will have a J-bolt (Fig. 66A) located at both side patio railing front bases (Fig. 67A). Pull the yellow lanyard (Fig. 66B) and turn the J-bolt a quarter turn (Fig. 66C). Raise the side patio rails into a 90 degree position (Fig. 67B) until it clicks into the J-bolt, locking the patio rail into position. The J-bolt also holds the side rail panel down and in place when the yellow lanyard is pulled out, turned a quarter turn and the patio railing is folded down into the stowed position. The bungee cords located at the front of the patio rail assembly's now serves the same purpose.

Fig. 66

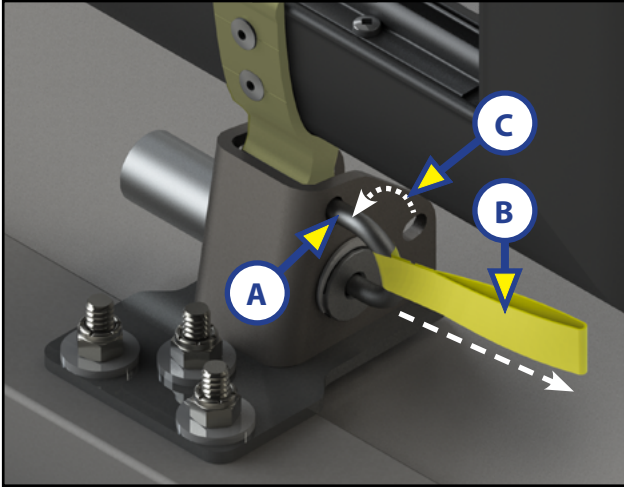
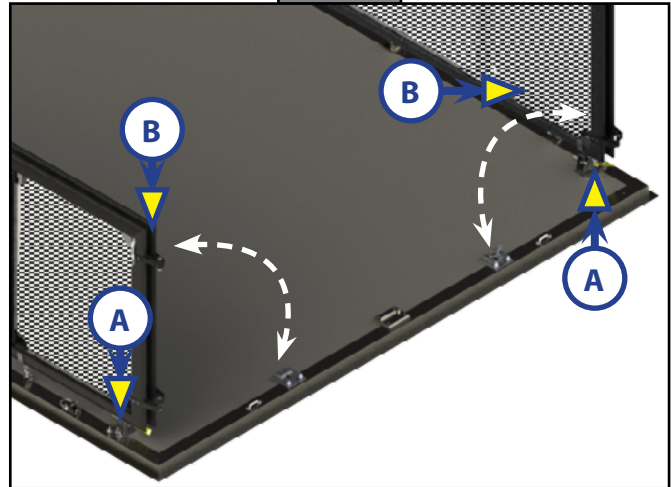


Fig. 67



7. Lower the driver's side patio railing assembly (Fig. 68A) approximately 45 degrees down towards the center of the ramp door.
8. Fold the front panel and gate over the top of the side patio railing (Fig. 69A) and return the patio railing to the 90 degree position (Fig. 70).
9. Attach the two snaps holding the front panel and gate to the driver's side railing (Fig. 70A) or for the no-gate option, one snap holding the front panel to the side panel.
10. Attach the rear driver's side bungee cable (Fig. 70B) to the footman loop (Fig. 70C) located on the door jamb.

Fig. 68

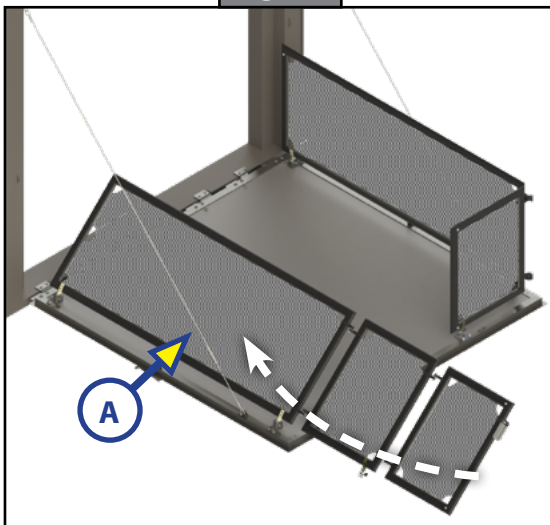
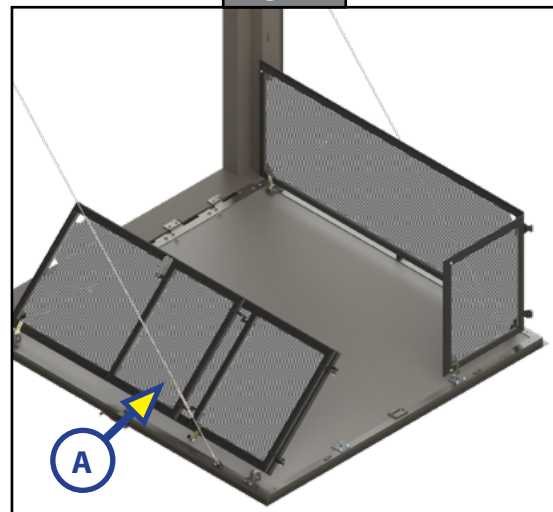
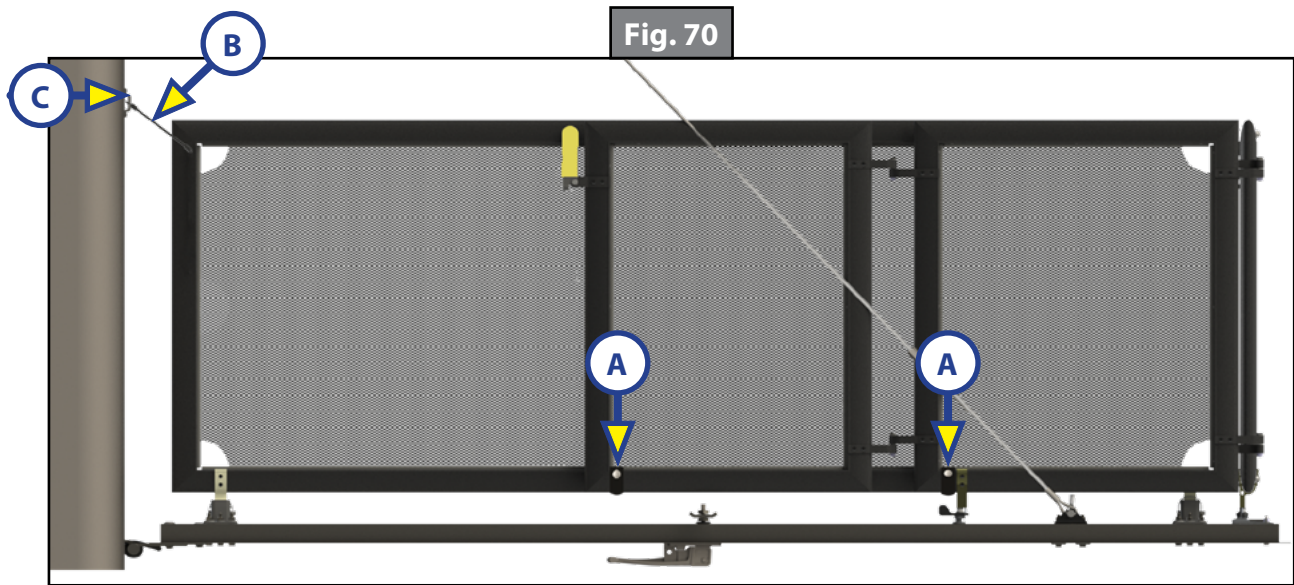


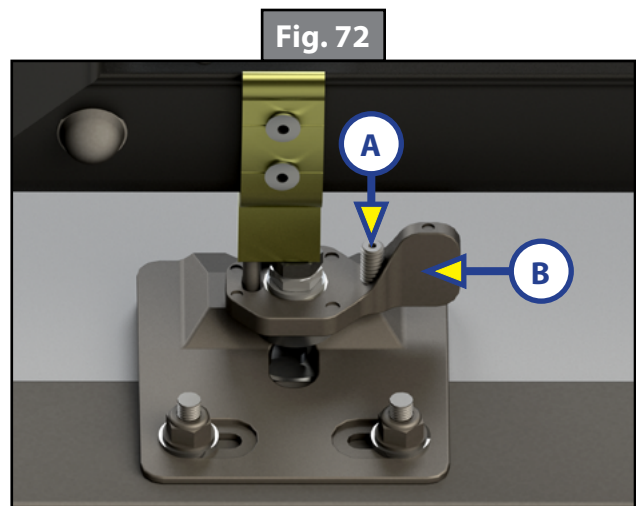
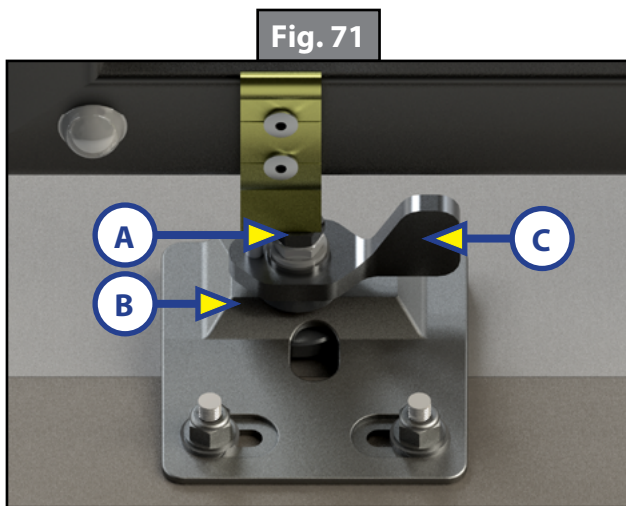
Fig. 69



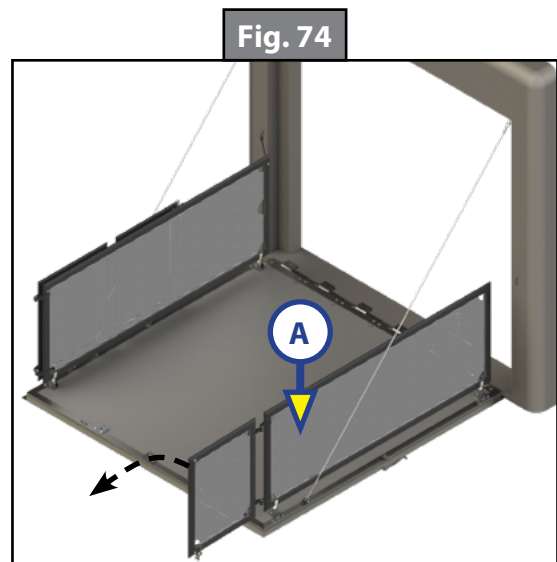
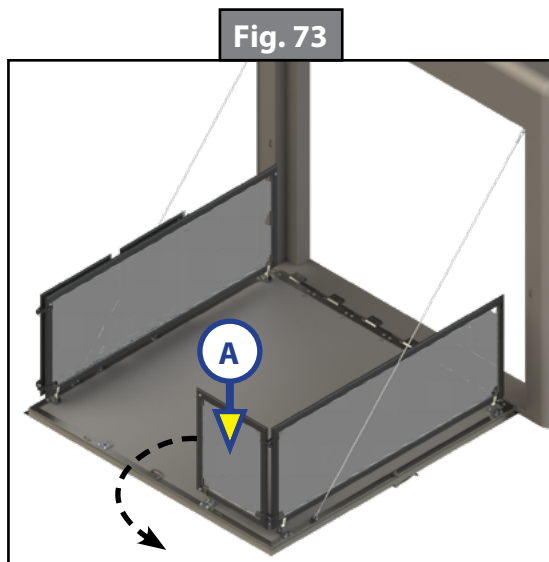


11. Located towards the top of the ramp door, release the curbside front panel bottom leg (Fig. 71A) from the keeper (Fig. 71B) by pushing the compression latch lever (Fig. 71C) towards the trailer, slide the leg out of the keeper and release the lever.

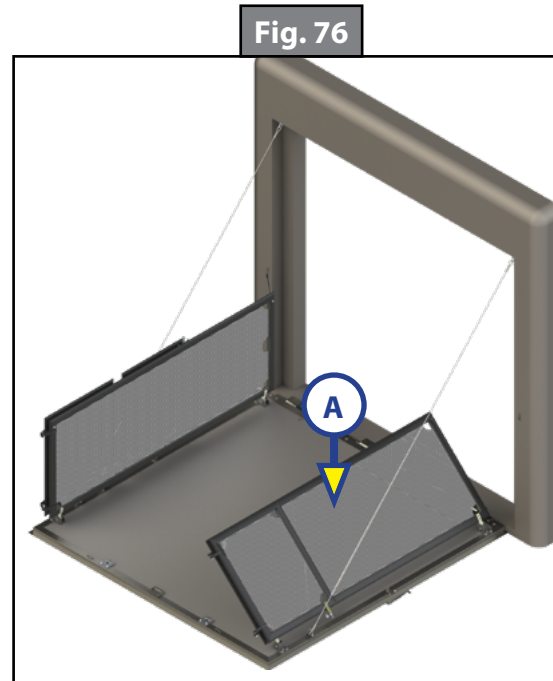
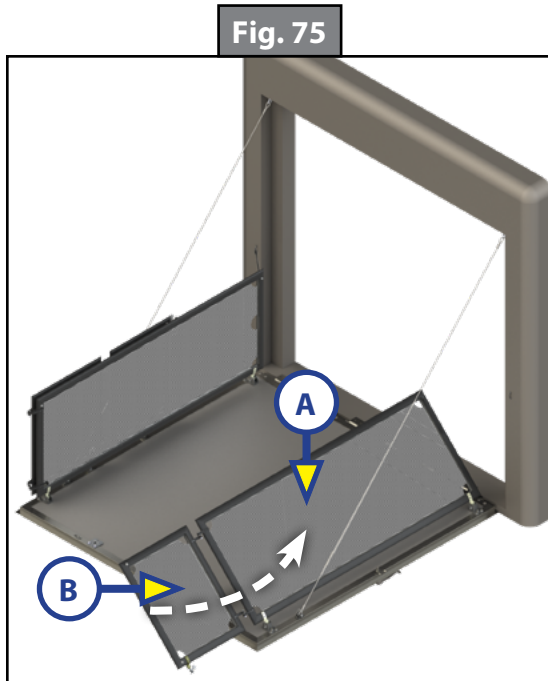
NOTE: Alternate versions of the Lippert 3000 series will have a spring plunger (Fig. 72A). Turn the lever (Fig. 72B) towards the trailer, and release the curbside patio rail leg.



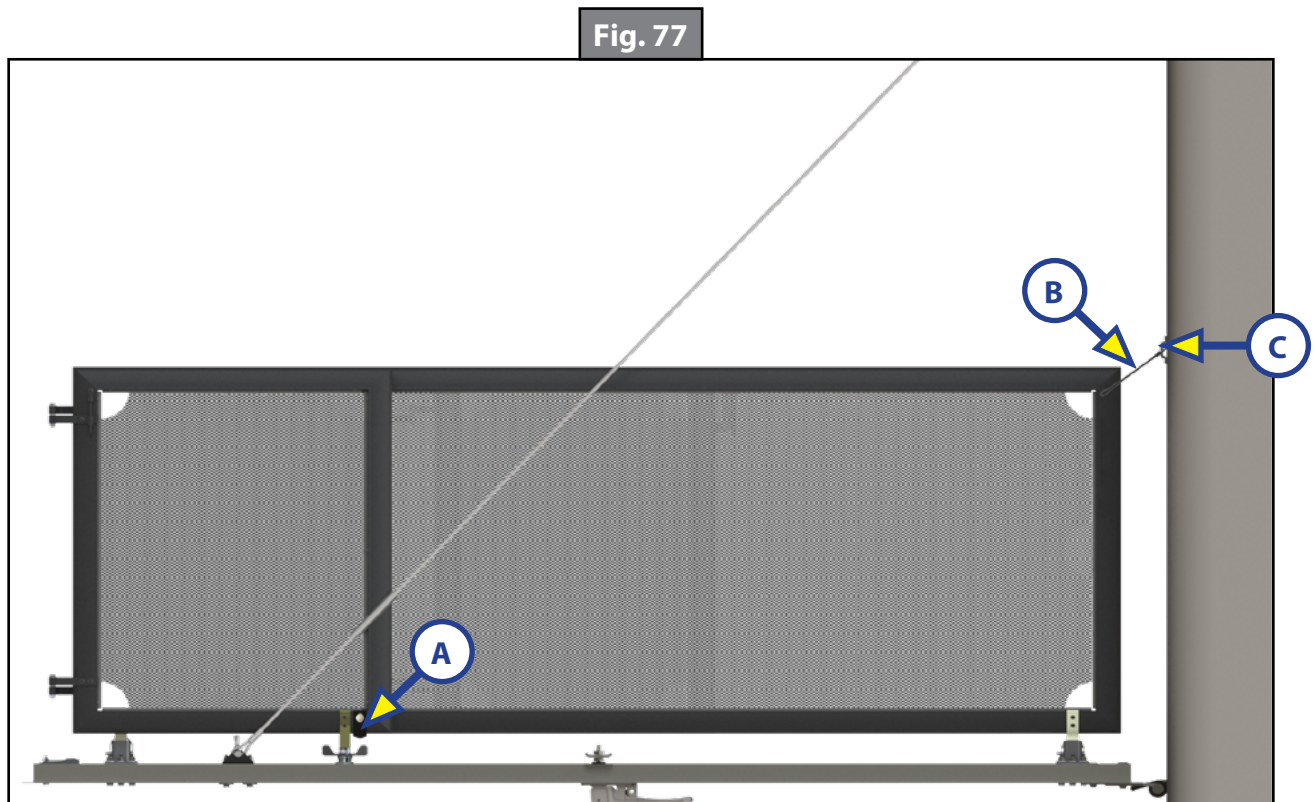
12. For the curbside patio railing, swing the front panel (Fig. 73A) out in-line with the side patio railing (Fig. 74A).
13. If applicable, disengage the J-bolt (Fig. 66) on the curbside of the patio railing.



14. Lower the curbside patio railing assembly (Fig. 75A) approximately 45 degrees down towards the center of the ramp door.
15. Fold the front panel (Fig. 75B) over the top of the side patio railing (Fig. 76A) and let the patio railing return to the 90 degree position (Fig. 77).



16. Attach the snap (Fig. 77A) that holds the front panel to the curbside railing.
17. Attach the curbside rear bungee cable (Fig. 77B) to the footman loop (Fig. 77C) located on the door jamb.



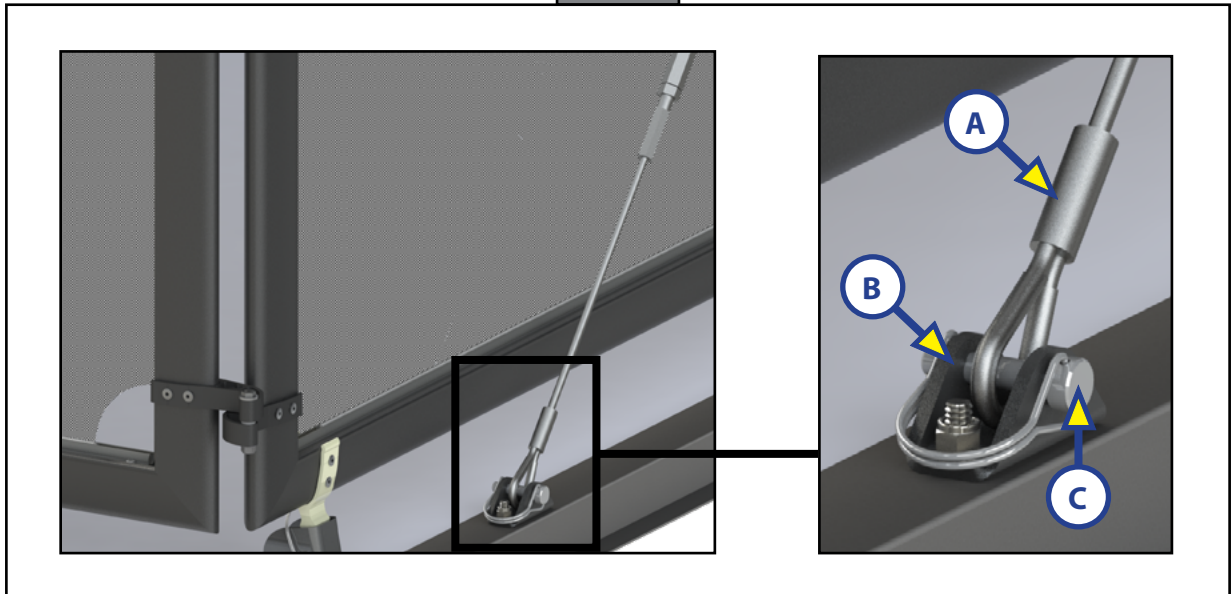
NOTICE

A method of support, or the assistance of another person, to support the ramp door when removing or attaching the door cables to extend the door to the ramp position is recommended.

18. Release the door cables (Fig. 78A) by removing the retainer pins ((Fig. 78C) from the door cable brackets (Fig. 78B), on both sides of the ramp door.

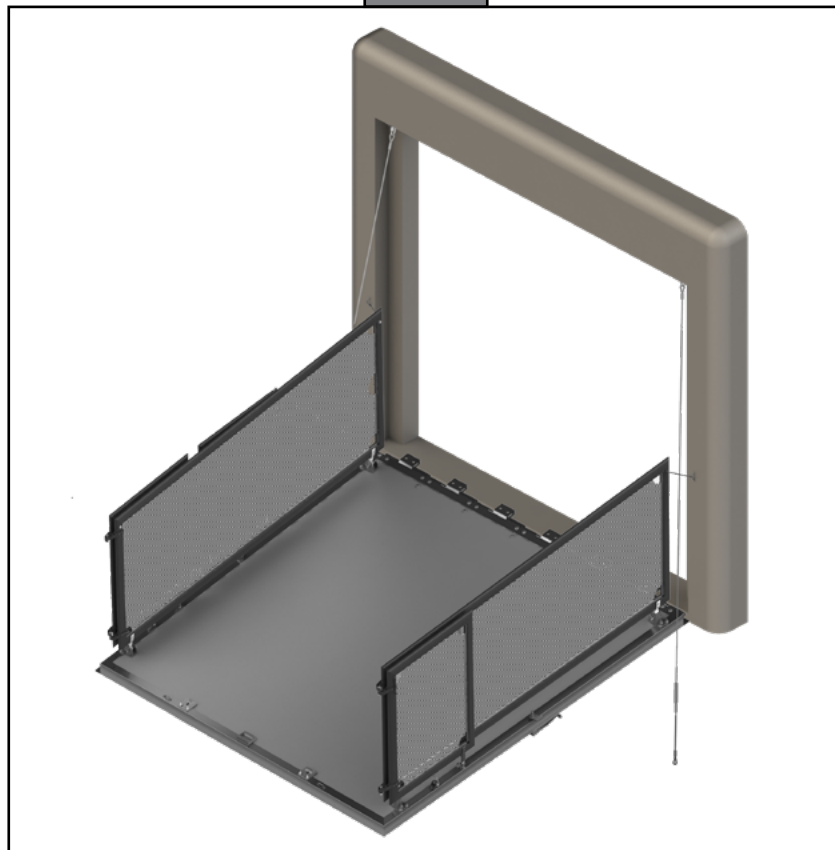
NOTE: Leave the retainer pin (Fig. 78C) on the door cable or in the door cable bracket on the door so the retainer pin does not get lost.

Fig. 78



19. Gently lower the ramp door to the ground. The Lippert 3000 Series patio rail kit and ramp door are now open, fully extended in the ramp position (Fig. 79).

Fig. 79



Extended Patio Position to Stowed Position

If the Lippert 30000 series ramp door is in the extended patio position and the ramp door needs to be stowed, use the following procedure.

⚠ WARNING

- Do not operate the ramp door on uneven ground.
- Always lower ramp door onto level ground.
- Do not lower ramp door into a ditch or gully.
- Do not release the ramp door until it rests completely on the ground.
- Do not stand behind the ramp door while operating.
- Keep all body parts clear of the ramp door while closing.
- Failure to heed **WARNING** may result in serious bodily injury or component and/or property damage.

NOTE: Although the product is water resistant, LCI recommends storing the door in the closed position during periods of rain to reduce the risk of water intrusion, which may result in delamination.

⚠ CAUTION

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

1. If applicable, remove the gap panels. Slide the rubber bulb side of the gap panel (Fig. 80A) off the extrusion edge of the door jamb (Fig. 80B).
2. Unsnap the three buckles (Fig. 81A) on the other side of the gap panel located around the rear side panel vertical post (Fig. 81B). Store gap panels in a secure location.

Fig. 80

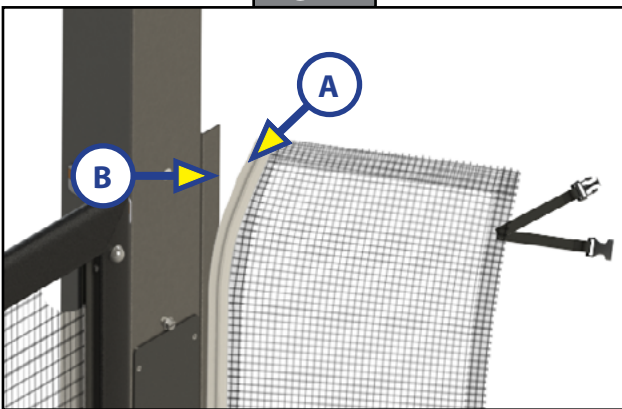
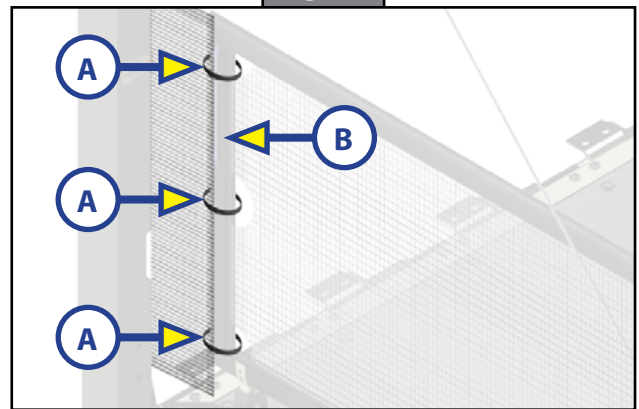


Fig. 81



3. Located on the middle front gate panel or the driver's side front panel for the no-gate option, unlatch the U-shaped latch (Fig. 82A) by flipping the latch over towards the driver's side front patio railing (Fig. 83A).

Fig. 82

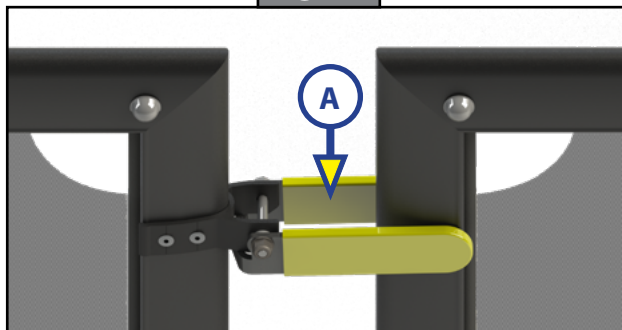
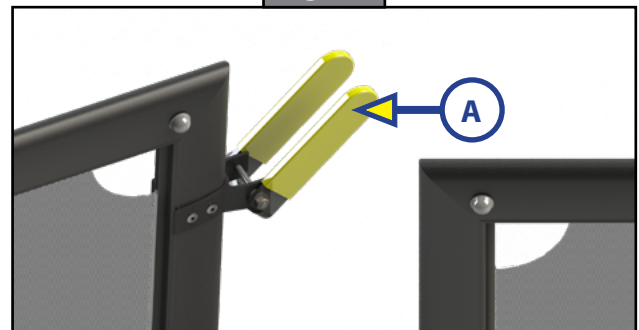


Fig. 83



4. Located towards the top of the ramp door, release the driver's side front panel bottom leg (Fig. 84A) from the keeper (Fig. 84B) by pushing the compression latch lever (Fig. 84C) towards the trailer, slide the leg out of the keeper and release the lever.

NOTE: Alternate versions of the Lippert 3000 series will have a spring plunger (Fig. 85A). Turn the lever (Fig. 85B) towards the trailer, and release the driver's side patio rail leg.

Fig. 84

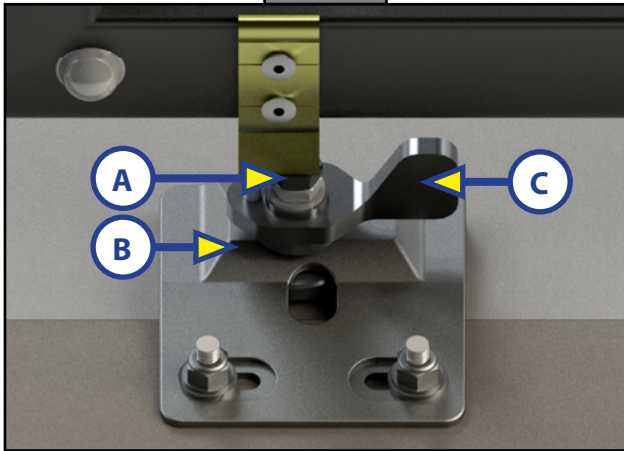
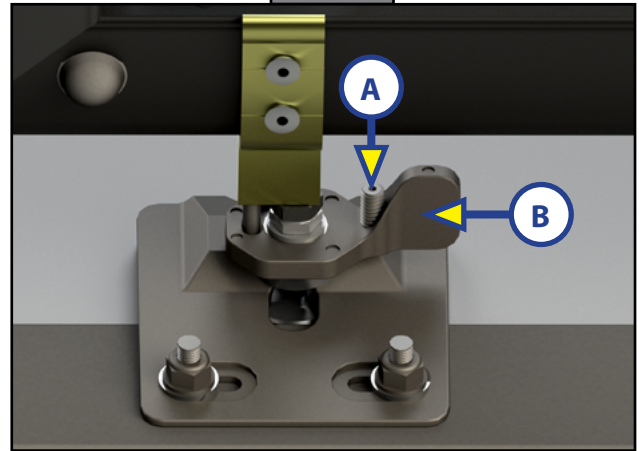


Fig. 85



NOTE: On alternate versions of the Lippert 3000 series patio rail kit, there will **NOT** be two rear and front bungees. An alternate version of the Lippert 3000 Series will have a J-bolt (Fig. 86A) located at both side patio railing front bases (Fig. 87A). Pull the yellow lanyard (Fig. 86B) and turn the J-bolt a quarter turn (Fig. 86C). Lower the side patio rails until it clicks in the J-bolt, locking the patio rail into position. The J-bolt also holds the side rail panel down and in place when the yellow lanyard is pulled out and turned a quarter turn and the patio railing is folded down into the stowed position. The bungee cords located at the front of the patio rails now serves the same purpose.

Fig. 86

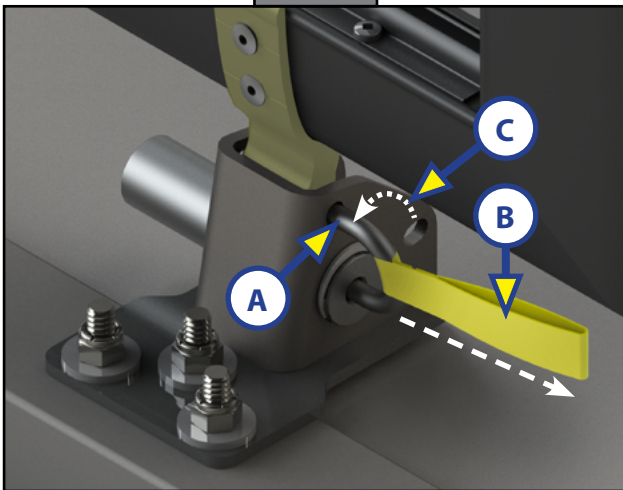
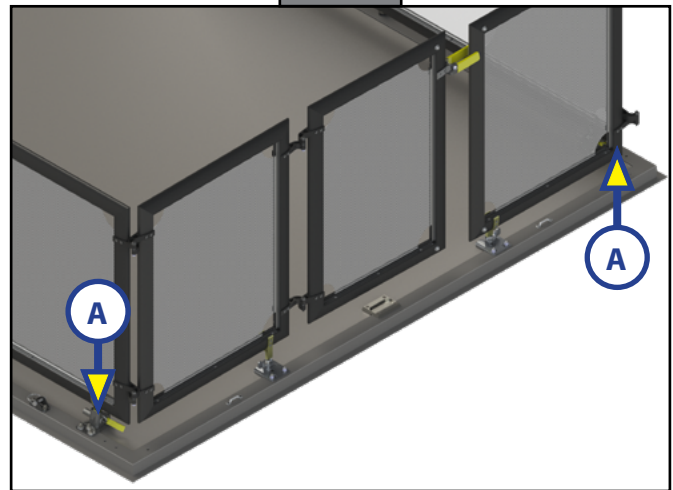


Fig. 87



5. For the driver's side patio railing, swing the front panel and gate (Fig. 88A) or with the no-gate option the driver's side front panel, out in-line with the side patio railing (Fig. 88B).
6. If applicable, disengage the J-bolt (Fig. 86) on the driver's side of the patio railing.
7. Lower the side and front gate patio panels (Fig. 89A) down towards the surface of the ramp door (Fig. 89B) and flip the front and gate patio panels (Fig. 90A) over the top of the side panel (Fig. 90B).

Fig. 88

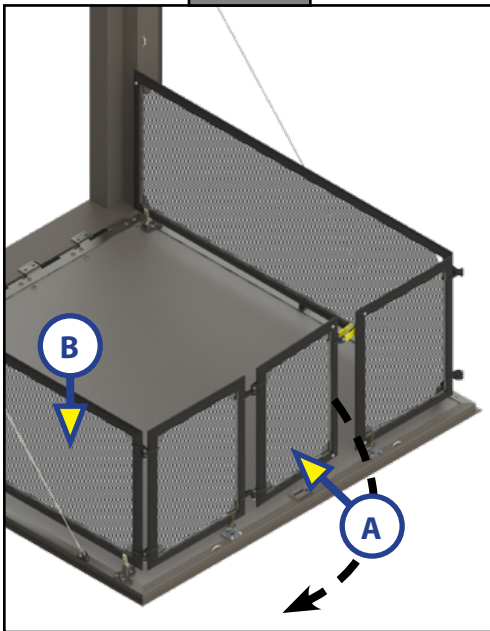


Fig. 89

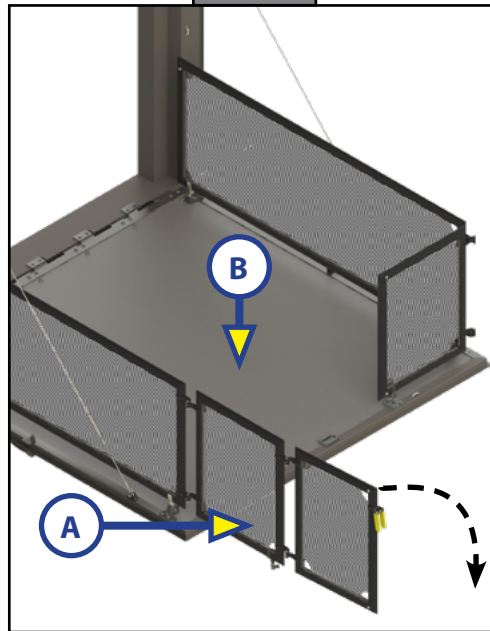
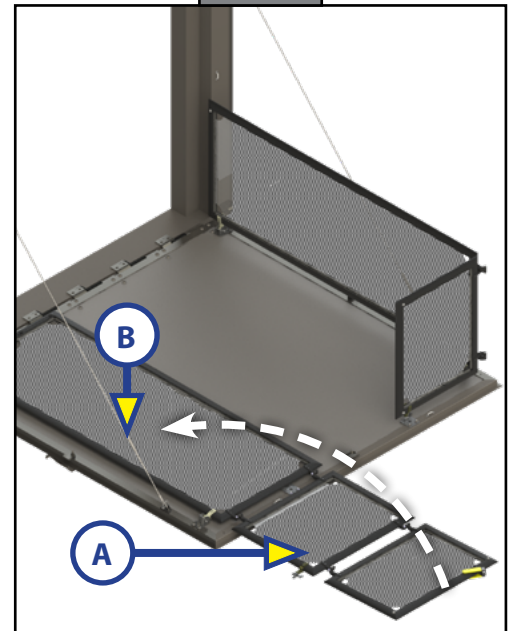


Fig. 90



8. Located towards the top of the ramp door, release the curbside front gate bottom leg (Fig. 91A) from the keeper (Fig. 91B) by pushing the compression latch lever (Fig. 91C) forward towards the trailer, slide the leg out of the keeper and release the lever.

NOTE: Alternate versions of the Lippert 3000 series will have a spring plunger (Fig. 92A). Turn the lever (Fig. 92B) towards the trailer, and release the curbside patio rail leg.

Fig. 91

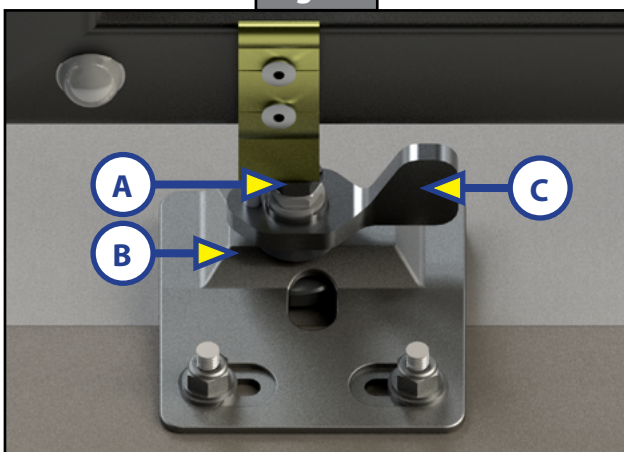
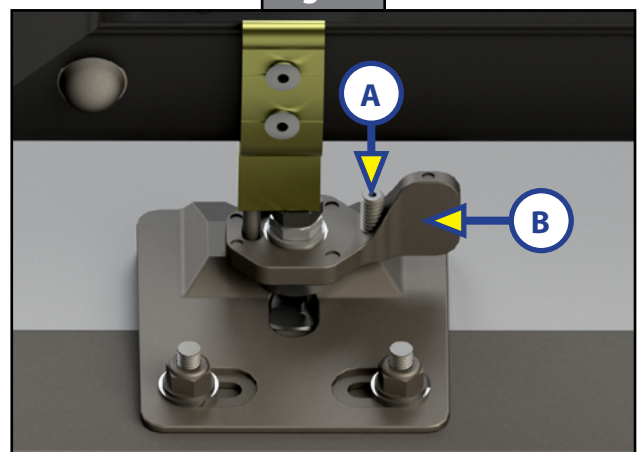
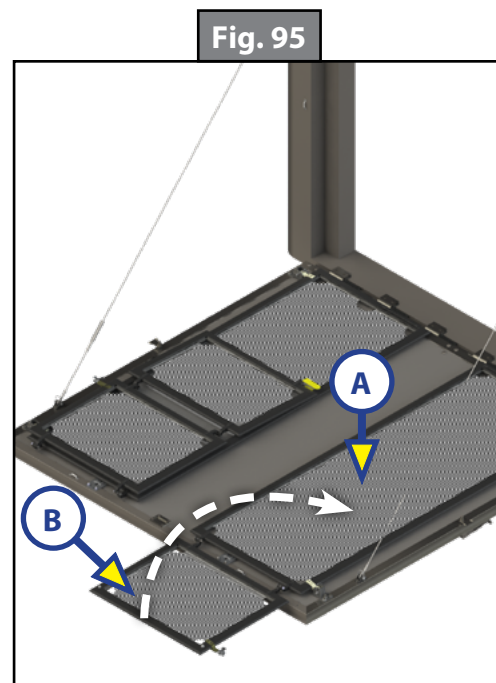
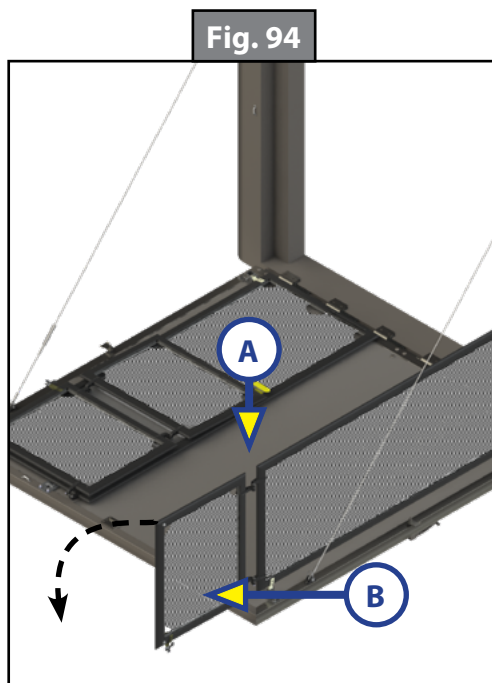
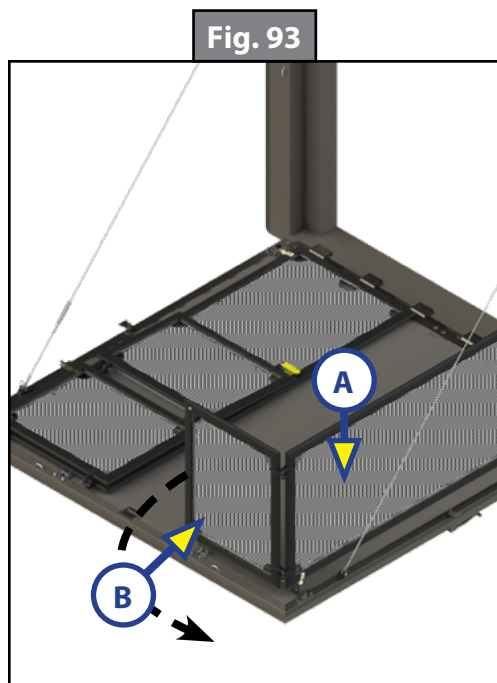


Fig. 92

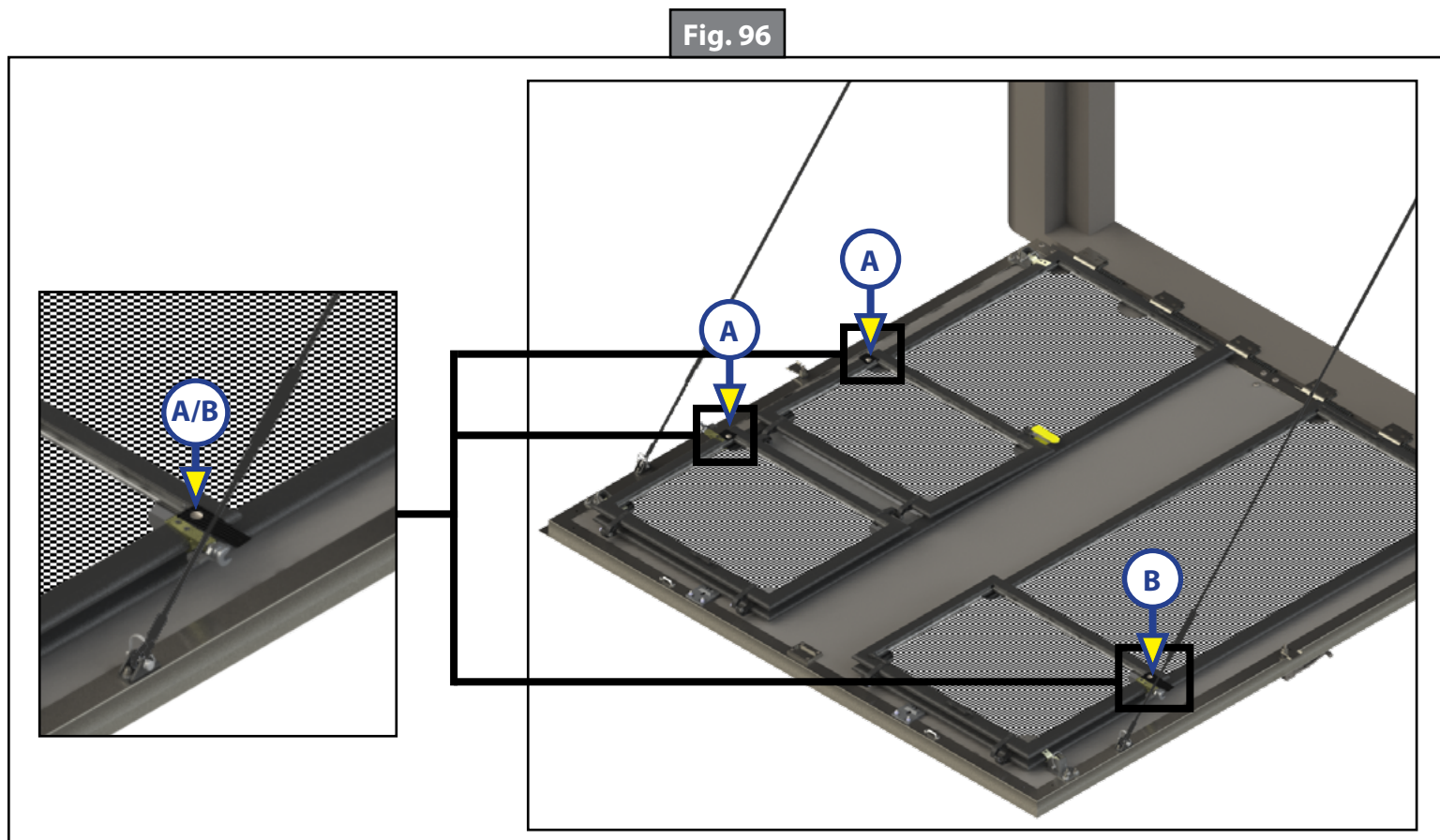


9. If applicable, disengage the J-bolt(Fig. 86) on the curbside of the patio railing. For the curbside patio railing (Fig. 93A), swing the front panel (Fig. 93B) out in-line with the side patio railing (Fig. 93A).
10. Lower the side and front patio panels (Fig. 94B) down towards the surface of the ramp door (Fig. 94A) and flip the front patio panel (Fig. 95B) over the top of the side panel (Fig. 95A).



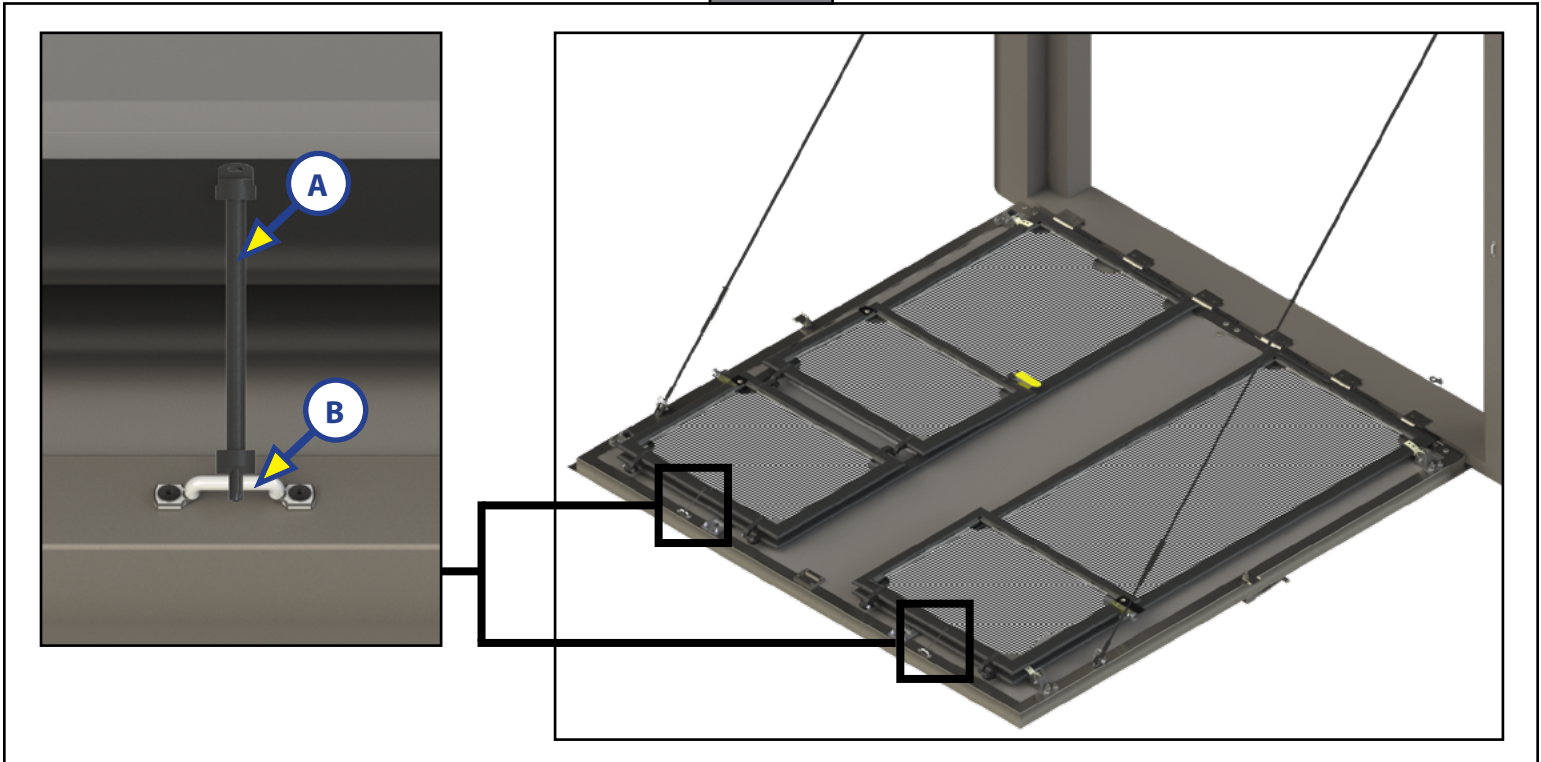
11. Attach the two snaps holding the front panel and gate to the driver's side railing (Fig. 96A) and the one snap holding the front panel to the curbside railing (Fig. 96B).

NOTE: An alternate version of the patio rail kit has a "no-gate" option which there will only a one snap on each side holding the two front panels to the side panels.



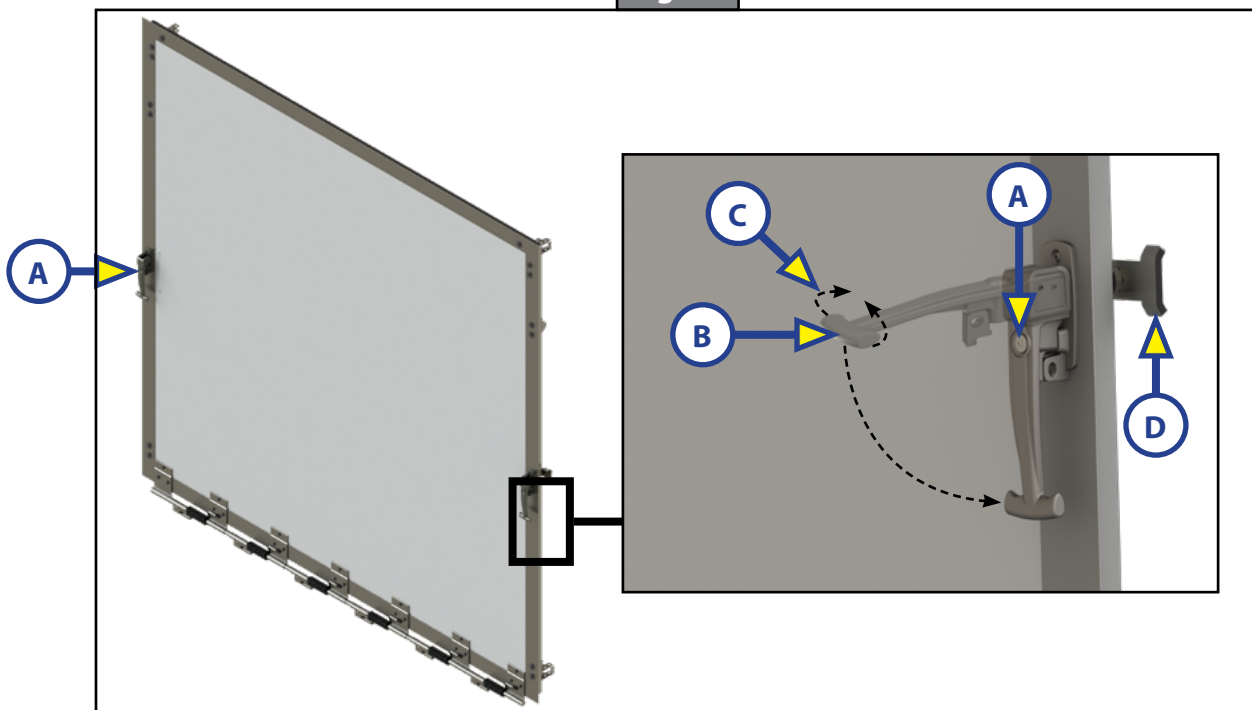
12. Attach the bungee (Fig. 97A) onto the front driver's side and curbside brackets (Fig. 97B), holding the patio railings to the ramp door.

Fig. 97



13. Make sure the ramp door and support wire cables on both sides of the door are clear of any obstructions.
14. For both sides of the ramp door, raise the handle of the compression latch (Fig. 98B) so that it is parallel with the ground.
15. For both sides of the ramp door, twist the compression latch handle 90° in either direction (Fig. 98C) to align the latch (Fig. 98D) in an open position to allow the ramp door to completely close in the door jamb.
16. Gently raise the ramp door into the doorjamb.
17. For both sides of the ramp door, lower the handle (Fig. 98B) and lock the compression latch (Fig. 98A).

Fig. 98



Maintenance

In order to clean the ramp door, use only an alcohol-based cleaner. Other chemicals and cleaners may result in the degradation of the seal and cause delamination to the door.

Notes

This image shows a full page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, providing a template for handwriting practice or general writing. There are no margins, text, or other markings on the page.



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