

DOORS

Purpose

This document outlines the procedures to add camber to entry doors using **Camber Adjustment Tool PN 2022119285** so the inner and outer frames meet correctly to seal the door and prevent water intrusion. Doors may need camber adjustment if they are extremely hard to close or if they latch too easily and don't seem tight. The camber adjustment tool is utilized to create positive camber and fix entry doors so they seal properly. The tool can also be used to reduce excessive positive camber on the door.

Safety

CAUTION

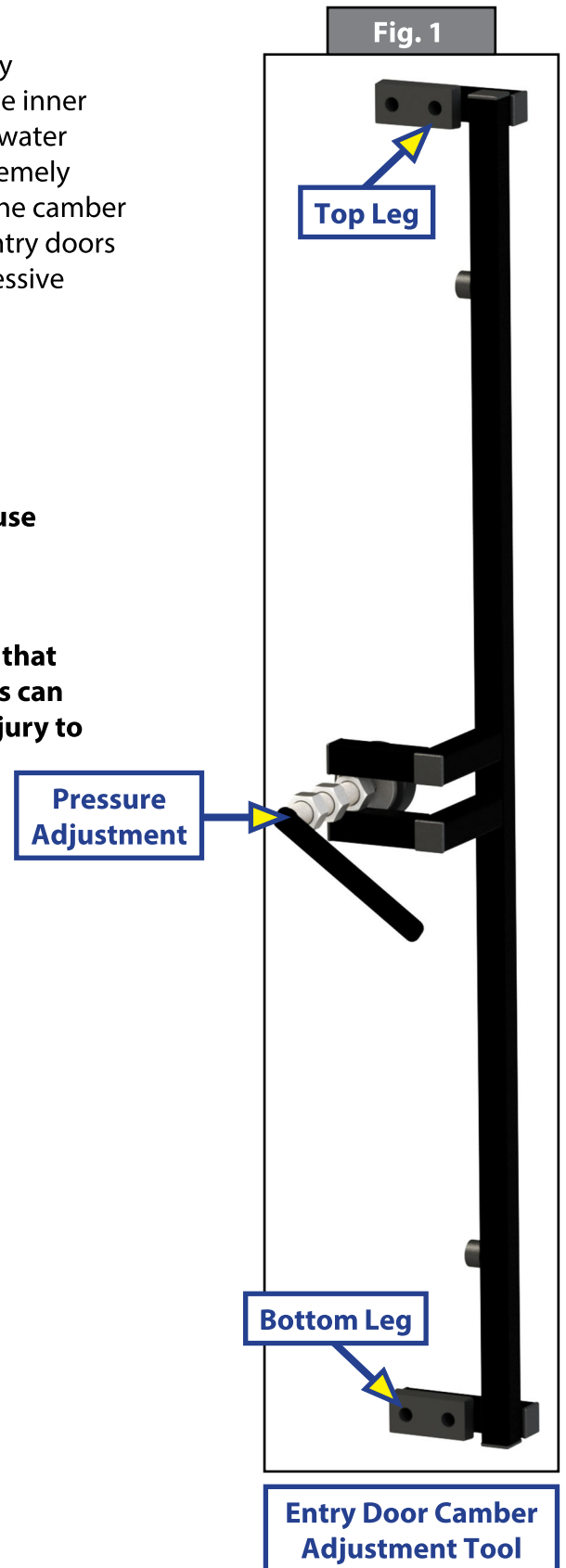
Moving parts can pinch, crush or cut. Keep clear and use caution.

CAUTION

This tool should **NOT** be used on Lippert G series doors that have glass paneling. Using this tool on glass panel doors can result in damage to the glass panel and cause possible injury to the operator.

Resources Required

- Camber adjustment tool PN 2022119285 (Fig. 1)
- Level or straight edge that spans length of entry door
- Tape measure
- Adjustable wrenches to set standardized measurement



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CAUTION

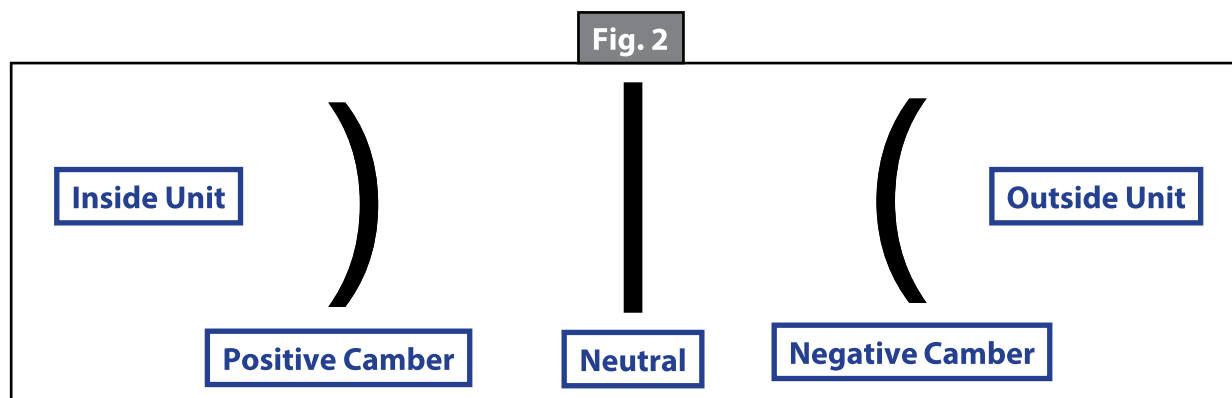
This tool should NOT be used on Lippert G series doors that have glass paneling. Using this tool on glass panel doors can result in damage to the glass panel and cause possible injury to the operator.

Procedures

1. Place straight edge against the inside of the door frame and measure the gap in the center of the door frame between the straight edge and the inside of the door frame.

NOTE: The correct positive camber is a gap measuring between $\frac{1}{8}$ " and $\frac{1}{4}$ ".

NOTE: A straight door edge has no camber, and positive and negative camber are measured from this vertical surface (Fig. 2). Positive camber in an entry door is defined as a slight outward bow of the door at the door latch. The purpose of the camber is to allow the door to contact the frame in the top and bottom corners first, promoting a solid and weathertight seal when the door is latched. Reverse or negative camber that allows the latch area of the door to contact first will result in moisture entering the unit and causing water damage to the side walls and door frame areas.



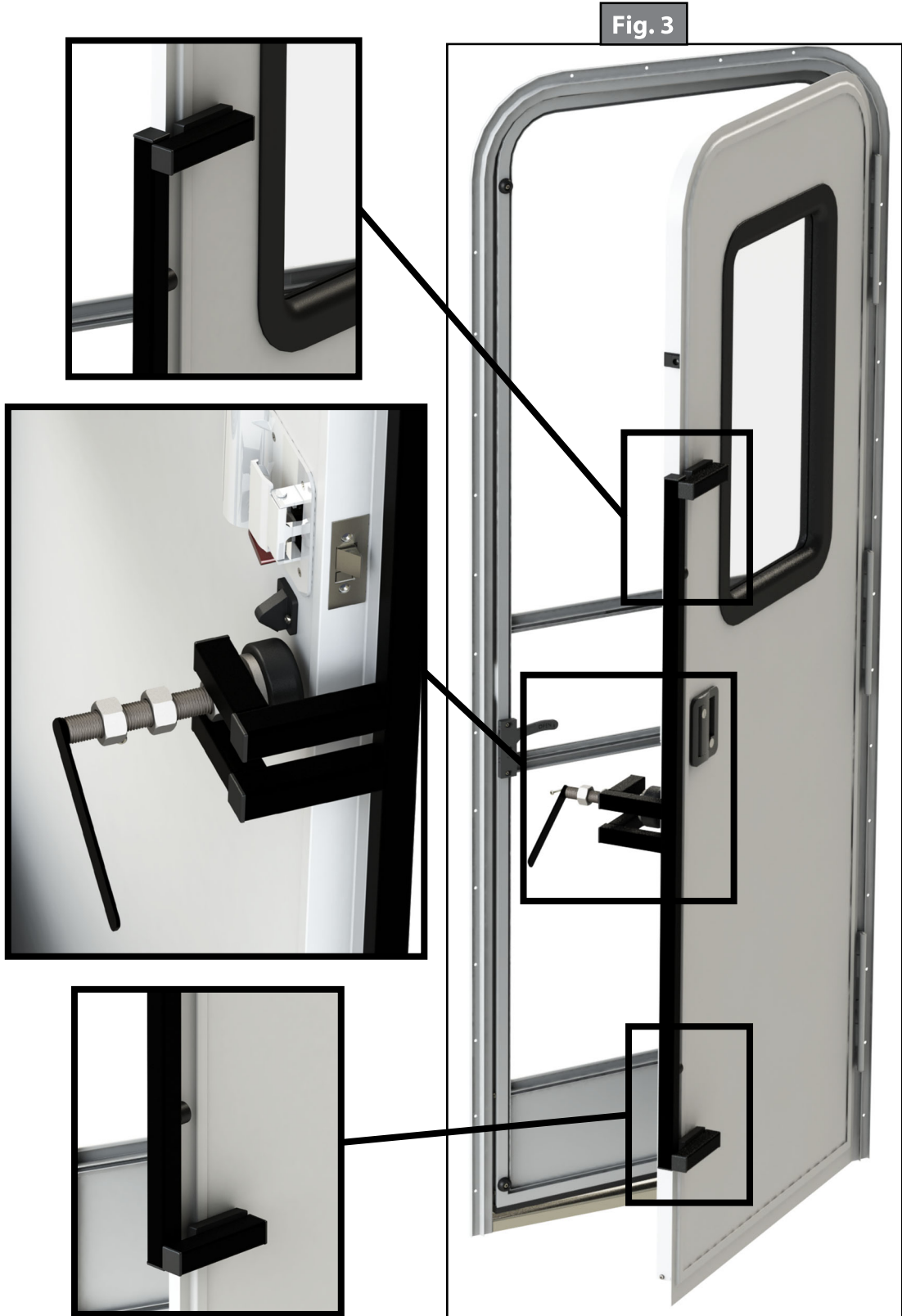
2. If the gap is less than $\frac{1}{8}$ ", use the camber adjustment tool to add positive camber.
 - A. Place the pressure adjustment handle and the threaded shaft of the camber rework tool as close as possible to the bottom of the door latch on the inside of the door (Fig. 3).

NOTE: Make sure the pressure adjustment bumper is placed on the frame of the inner side of the door. If it is placed on the inner plastic skin it may crush the foam and create a dent.

 - B. Place the top and bottom legs on the outside of the door frame (Fig. 3).
 - C. Slowly turn the tool handle clockwise until the tool creates additional camber on the entry door.
 - D. Periodically stop and check the measurement of the gap on the door until it reaches the optimal gap.

NOTE: Take care NOT to add excessive camber. Adding too much camber could crease the frame.
3. If there is extra positive camber on the door frame where the gap is larger than $\frac{1}{4}$ ", use the camber adjustment tool to reduce camber by putting the pressure adjustment bumper on the outside of the door.
 - A. Place the pressure adjustment handle and the threaded shaft of the camber rework tool as close as possible to the bottom of the door latch on the outside of the door.
 - B. Place the top and bottom legs on the inside of the door frame.
 - C. Slowly turn the tool handle clockwise until the tool removes camber on the entry door.
 - D. Periodically stop and check the measurement of the gap on the door until it reaches the optimal gap.

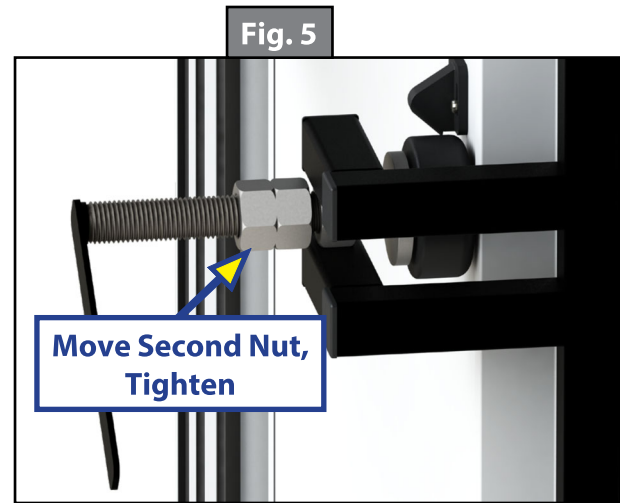
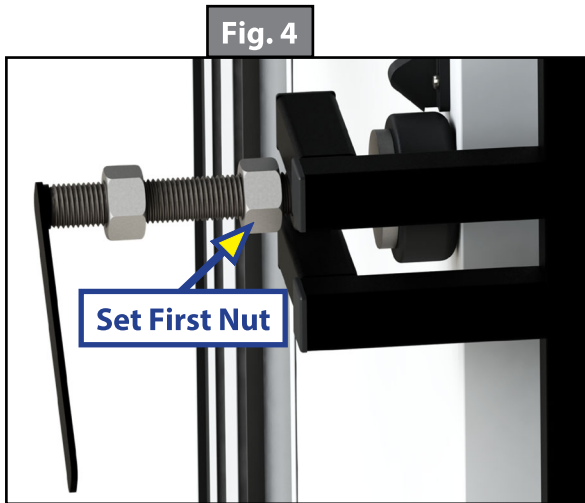
DOORS



Calibrate Tool To Preferred Measurement

The tool can be set so it provides a standardized measurement.

1. Set the first nut on the pressure adjustment shaft at the preferred stop point (Fig. 4).
2. Place the second nut directly behind the first nut (Fig. 5).
3. With two adjustable wrenches, hold first nut in place and tighten second nut against the first nut to lock it in place.



Video Illustrating Tool Use

To access a video, demonstrating the camber adjustment tool, use the following link:

<https://support.lci1.com/videos/how-to-use-a-lippert-entry-door-camber-adjustment-tool>

Users can also utilize the following QR code to access the video. A copy of the QR code is also included on the entry door camber tool.

