

REINFORCEMENT OF THE PATIO RAIL KIT BRACKET

TSB Number:	45-002-2022		
Product:	Patio Rail Kit		
Date:	June 26, 2022	Labor Rate:	.5 hour per unit

Purpose

This document outlines the procedure to add the service kit to the thin gauge patio rail kit bracket #374266.

Safety

This document provides general instructions. Many variables can change the circumstances of any procedure, i.e. the degree of difficulty involved in the service operation and the ability level of the individual performing the operation. This document cannot begin to plot out procedures for every possibility, but will provide the general instructions for effectively installing, removing or servicing the system. In the event the skill level required is too advanced or the procedure too difficult, a certified technician should be consulted before performing the necessary operation. Failure to correctly install, remove or service the system may result in voiding the warranty, inflicting injury or even death.

WARNING

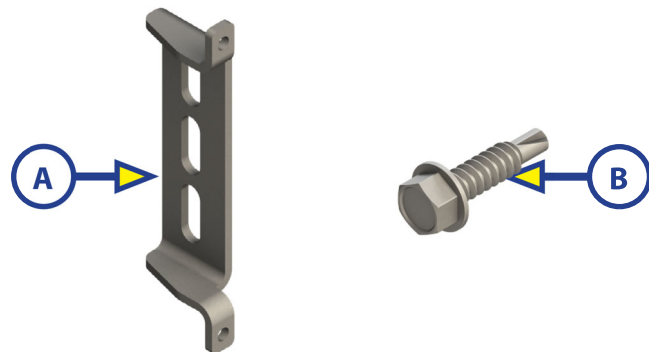
The "WARNING" symbol above is a sign that a procedure has a safety risk involved and may cause death, serious personal injury, severe product and/or property damage if not performed safely and within the parameters set forth in this document.

CAUTION

The "CAUTION" symbol above is a sign that a procedure has a safety risk involved and may cause personal injury, product and/or property damage if not performed safely and within the parameters set forth in this document.

Resources Required

- Non-permanent method of marking
- Ratchet
- 3/8" socket
- 1/2" socket
- Service Kit 2022072490



Service Kit 2022072490			
Callout	Part #	Description	QTY
A	2022072489	Reinforcement Bracket	4
B	118102	Tek Screws	8

NOTE: Parts may appear differently than they appear in this TSB. They are provided here for visual clarity. Part numbers are shown for identification purposes only. Not all parts are available for individual sale.

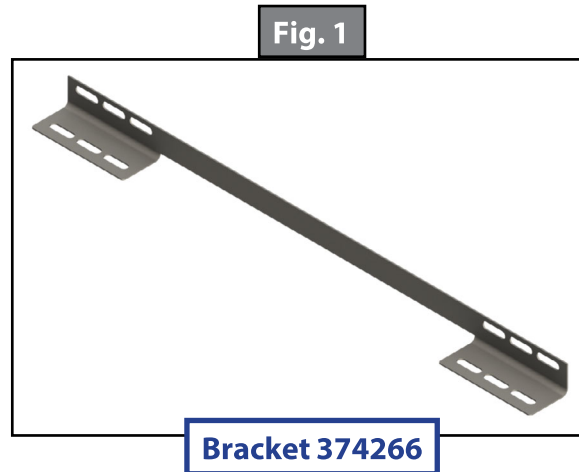
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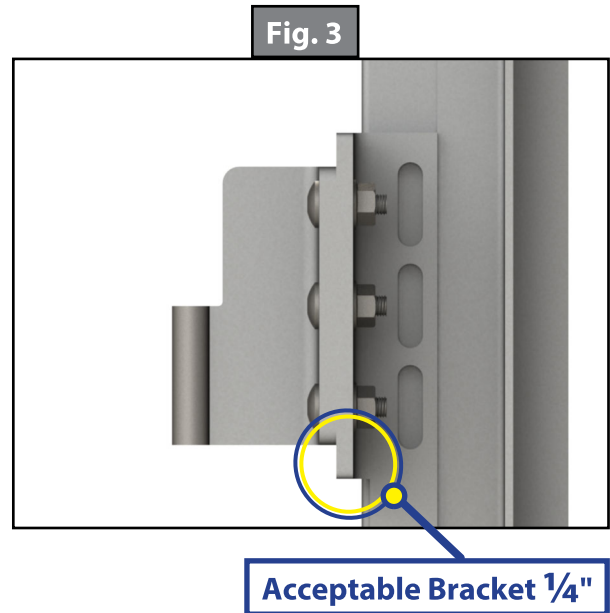
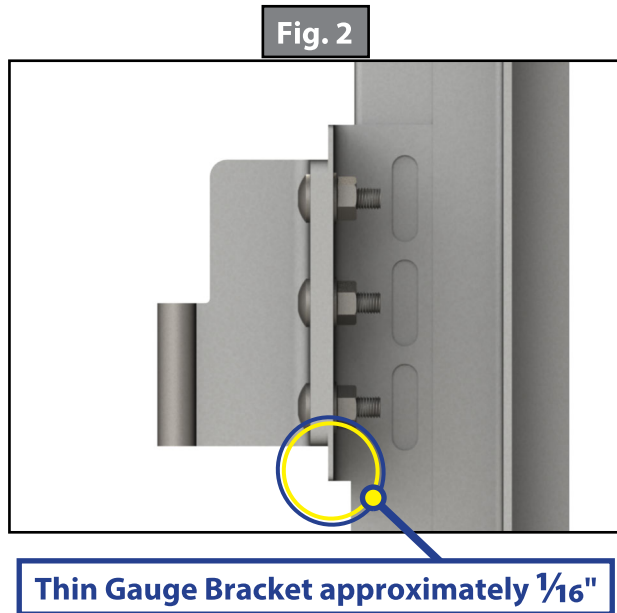
Inspection

Identification of The Thin Gauge Bracket

The patio rail kit bracket (Fig. 1) that needs the service kit is a thin gauge; measuring .075" (approximately 1/16") in thickness.



1. Verify that the patio rail bracket is the thin gauge bracket (Fig. 2) and not the thicker gauge (Fig. 3).



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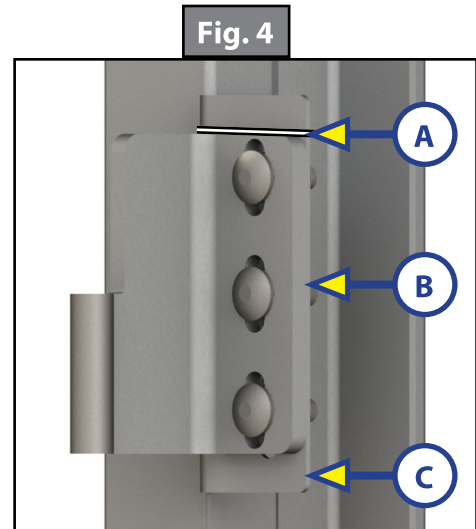
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Preparation

Mark Top of Hinge Bracket

Using a non-permanent marking, mark the location (Fig. 4A) of hinge bracket (Fig. 4B) on the patio rail kit bracket (Fig. 4C).

NOTE: This marking helps successfully reinstall the hinge bracket to the original location once the new reinforcement bracket is added to the patio rail kit bracket.

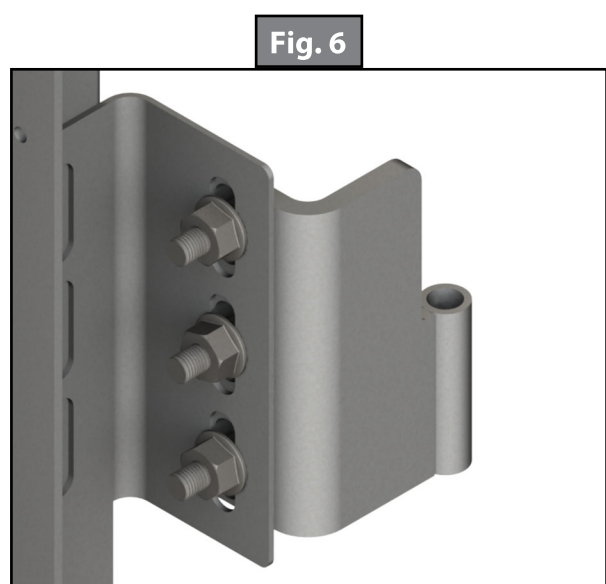
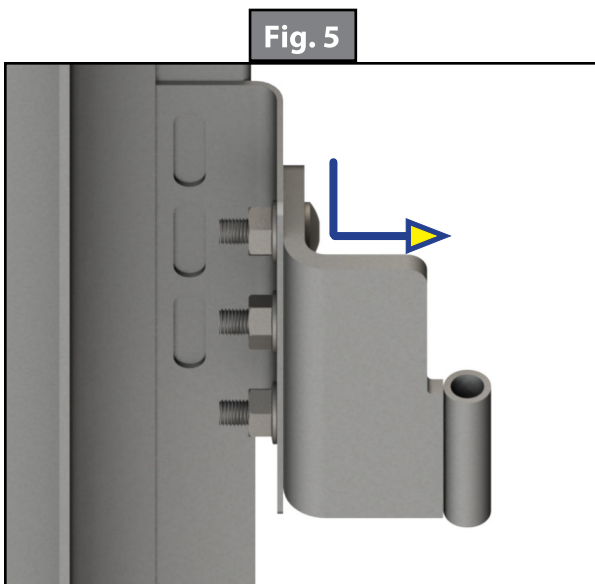


Orientation of Hinge Brackets

The hinge brackets are the same part number, but the orientation of the hinge brackets is different from curbside to roadside. It is critical they are reassembled correctly to ensure the patio door will properly fold and completely close.

Curb Side

- Figure 5 and 6 show the hinge bracket attached to the patio rail kit bracket. The elbow of the hinge comes back toward inside the unit and bends into the center.

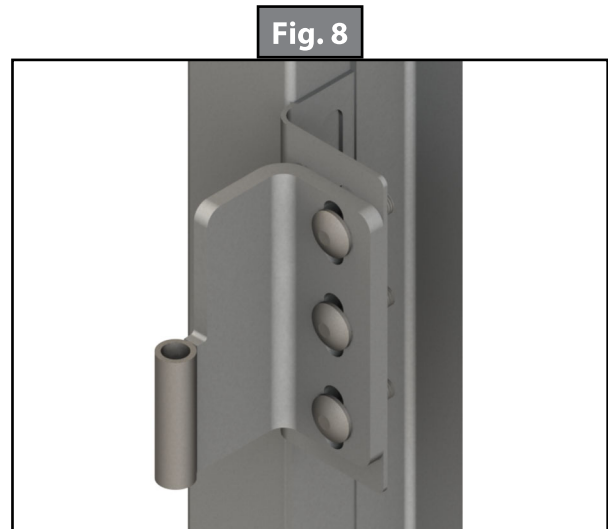
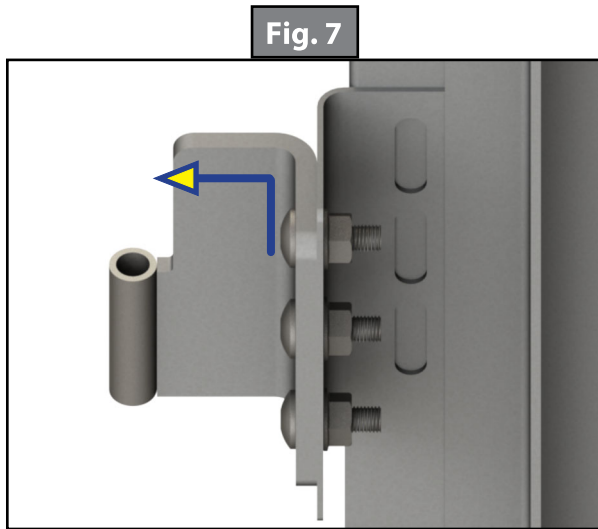


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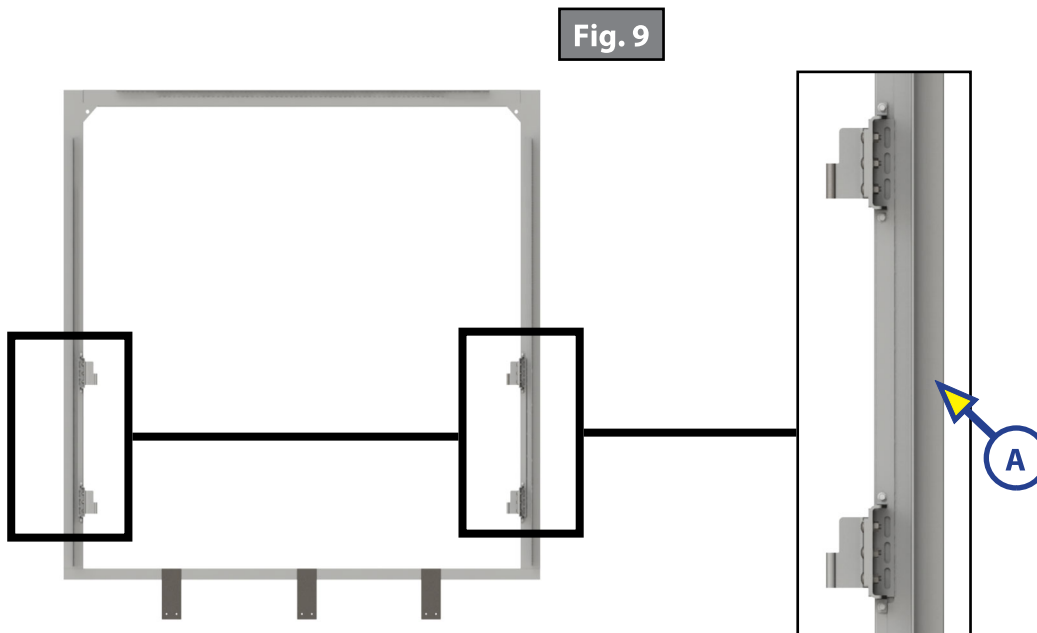
Road Side

- Figure 7 and 8 show the hinge bracket attached to the patio rail kit bracket. The elbow of the hinge moves out, toward outside the unit and bends into the center.



Instructions

NOTE: The patio rail kit brackets (shown in Fig. 9A) are not being removed for this procedure. The reinforcement bracket will be bolted over the existing patio rail kit bracket.

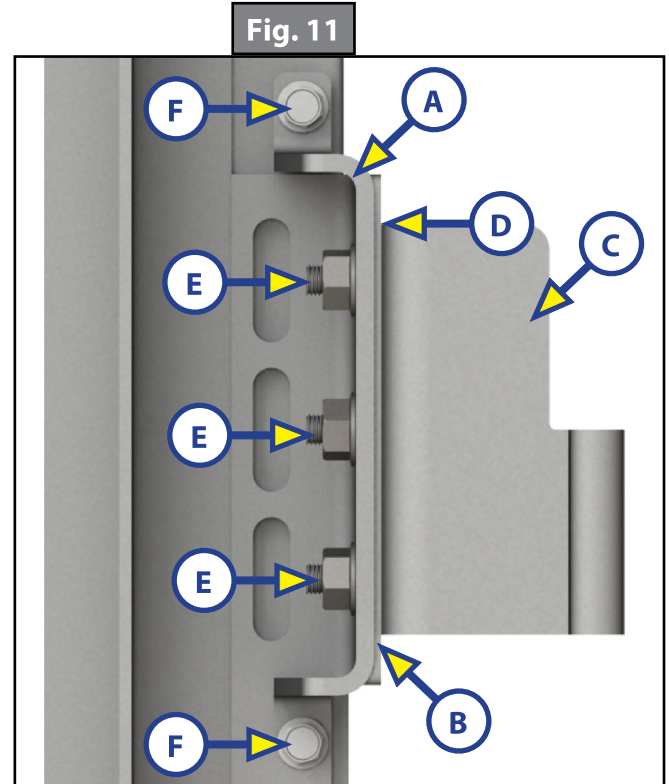
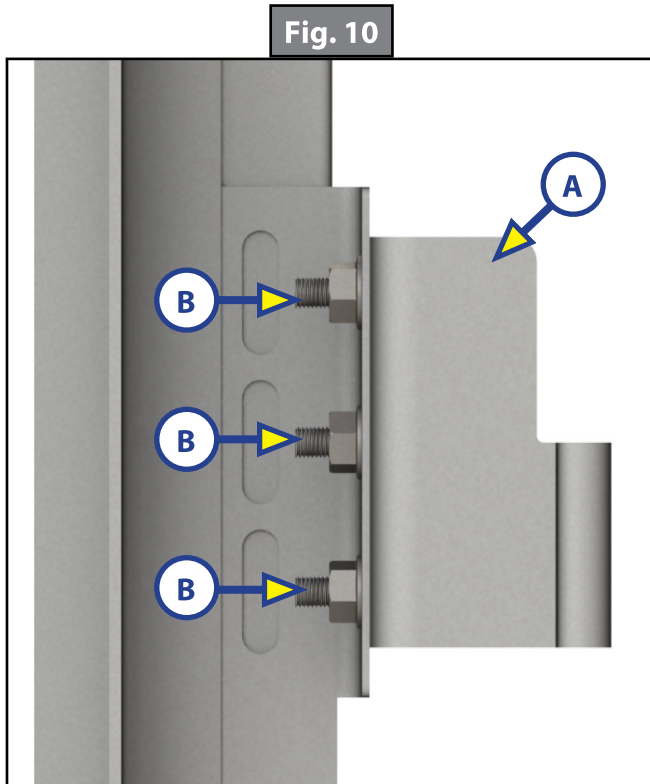


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1. Remove the hinge bracket (Fig. 10A) by removing the three carriage bolts (Fig. 10B) using a 1/2" socket.

NOTE: Retain the hardware and hinge bracket for re-installation.



2. Position the reinforcement bracket (Fig.11A) inside the patio rail kit bracket (Fig. 11B) on the opposite side of the hinge bracket (Fig. 11C).
3. Reattach the hinge bracket (Fig. 11C) in its original position, referencing the mark (Fig. 11D) made previously.
4. Reinstall the carriage bolts and nuts (Fig. 11E) and hand-tighten.
5. Using a 3/8" socket install two tek screws (Fig. 11F) into the top and the bottom replacement bracket.

NOTE: It may be necessary to drill a pilot hole to aid in fastener installation.

6. Tighten carriage bolts securely.
7. Repeat this procedure at at the remaining 3 hinge bracket locations.

As a supplier of components to the RV industry, safety, education and customer satisfaction are our primary concerns. Should you have any questions, please do not hesitate to contact us at 432-LIPPERT (432-547-7378) or by email at customerservice@lci1.com. Self-help tips, technical documents, product videos and a training class schedule are available at lippert.com or by downloading the MyLCI app.