

TOWING

Purpose

This document outlines the procedure of replacing an existing pin box with a new pin box of the same load rating.

Safety

WARNING

The “WARNING” symbol above is a sign that an installation procedure has a safety risk involved and may cause death or serious injury if not performed safely and within the parameters set forth in this manual.

WARNING

Failure to follow the instructions provided in this document may result in death, serious personal injury and/or severe product and property damage, including voiding of the component warranty.

WARNING

The trailer **MUST** be supported per manufacturer's specifications before working underneath. Failure to do so may result in death or serious personal injury.

CAUTION

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

Resources Required

- 1-2 people, depending on task
- Cordless or electric drill or screw gun
- Appropriate drive bits
- Torque wrench
- Impact wrench or ratchet
- Sockets
- Drift/centering pin
- Second drift/centering pin (optional)
- Hammer (optional)
- Tape measure
- Replacement pin box
- Replacement hardware if existing hardware is damaged

WARNING

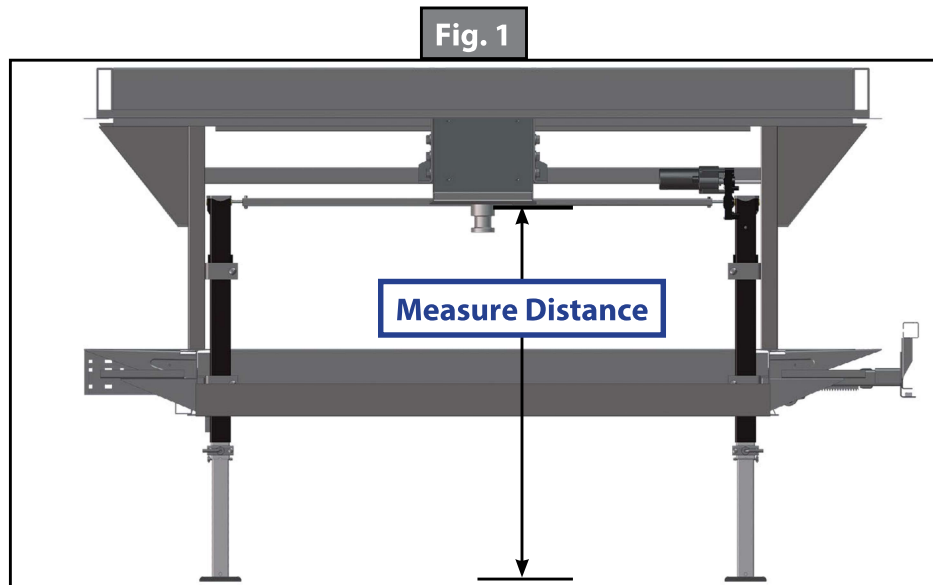
Due to the weight of the pin box, it is highly recommended at least two people install this system.

Preparation

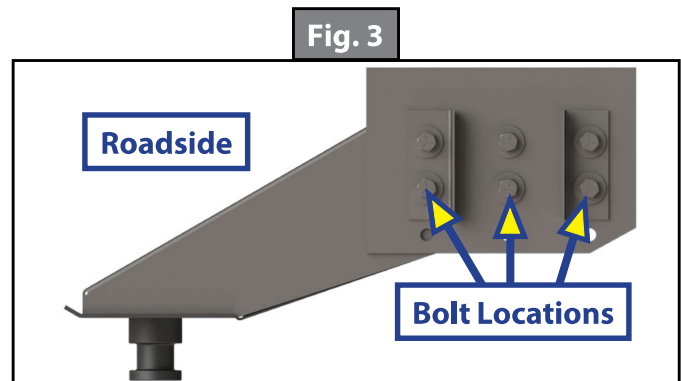
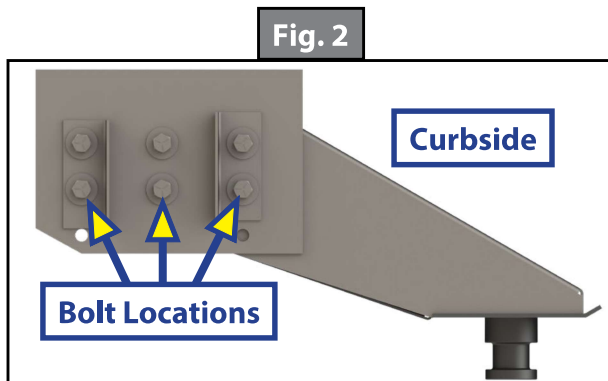
1. Determine pin box replacement model. See [QR-015](#) Standard Pin Box Measurement Guide.
2. Level the 5th Wheel front to back.

TOWING

3. Measure the distance from the bottom of the factory-installed king pin plate to a flat surface directly below (Fig. 1).



4. Make a note of the bolt locations of the factory pin box. The replacement pin box system will be remounted in the same hole settings (Figs. 2 and 3).



⚠ WARNING

Properly support the pin box before removing bolts. Failure to do so may result in death, serious personal injury and/or severe product and property damage,

5. Properly support the pin box assembly.

NOTE: The pin box assembly weighs several hundred pounds and a minimum of two people are required to complete the removal and installation. A forklift may also be used to remove and replace the pin box.

6. Remove fasteners that held the original pin box in place.
7. Remove factory pin box from the mounting frame.

TOWING

Installation

1. Hoist the new pin box into place.
2. Use a second person to line up the pin box to the mounting plate holes.
3. Using a drift/center pin (or screwdriver), center the holes and install one bolt on the curbside of the trailer at the front of the pin box in one of the same holes used to fasten the factory pin box (Fig. 4).
4. Install at least one bolt on the roadside of the trailer at the rear of the mounting plate (Fig. 5).
5. Verify the distance from the bottom of the king pin plate to a flat surface is within +/- 1/2" of the factory setting (Fig. 1).
6. Reinstall all the bolts, washers and nuts that held the factory pin box in place.

NOTE: If the hardware is damaged during the disassembly process, replace with fasteners equivalent in style, grade and diameter.

7. Torque the bolts according to required values. Possible torque values may include: 110 ft-lbs minimum for 1/2" bolts; 160 ft-lbs minimum for 5/8" bolts; and 210 ft-lbs minimum for 3/4" bolts.

NOTE: Reference pin box installation manual to confirm specific torque values. Some models require different torque values for the bolts.

Fig. 4

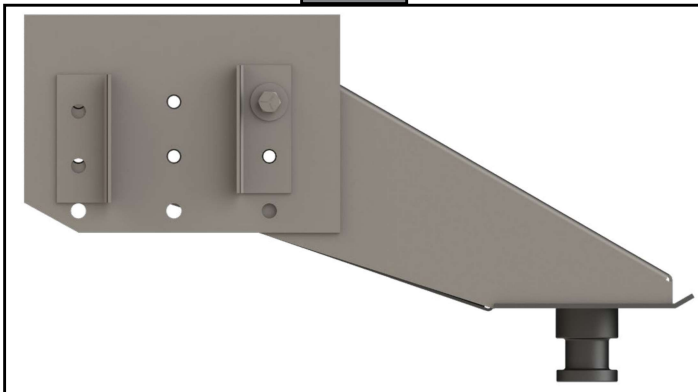
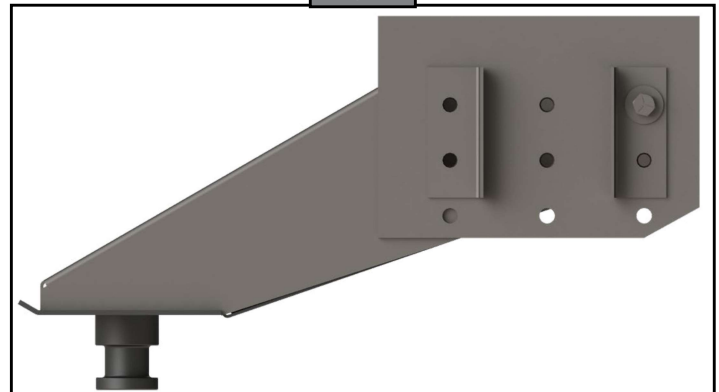


Fig. 5



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 (574) 537-8900 or by email at customerservice@lci1.com. Self-help tips, technical documents, product videos and a training class schedule are available at lci1.com or by downloading the MyLCI app.