REPLACEMENT OF A GEN I JACK WITH A GEN II JACK ON A MOTORIZED RV

TI-562

LEVELING AND STABILIZATION

Purpose

This document outlines the removal of Gen I hydraulic jacks and replacement with Gen II jacks. This includes the 8K, 14K and 20k jacks for a motorized RV.

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.

⚠WARNING

The "WARNING" symbol above is a sign that an installation 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.

⚠WARNING

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

⚠CAUTION

Always wear eye protection when performing this installation procedure. Other safety equipment to consider would be hearing protection, gloves and possibly a full face shield, depending on the nature of the installation procedure.

⚠CAUTION

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

Resources Required

- Electric or cordless drill or screw gun
- Appropriate sockets
- Appropriate drive bits
- Torque wrench
- Open-end wrenches
- Tee fitting PN 143108, if needed

Procedures

Replacement Jack Location

NOTE: The procedures listed below are for replacing any jack. The process ensures proper location of the replacement jack.

1. Before removing the jack, note the location of the mounting holes on the jack and the mounting bracket (Fig. 1 or Fig. 2).

NOTE: Count the number of mounting holes from the first bolt to the bottom of the jack.

2. Measure the distance from the ground to the footpad of the retracted jack (Fig. 1 or Fig. 2).
3. When reinstalling the replacement jack, match the number of mounting holes from the first bolt to the bottom of the jack (Fig. 1 or Fig. 2).
4. Be sure to install bolts in the same location based on the number of mounting holes to the bottom of jack.
5. Once installation of the Gen II jack has been completed, measure the distance from the footpad to the ground to verify installation is correct.

Fig. 1

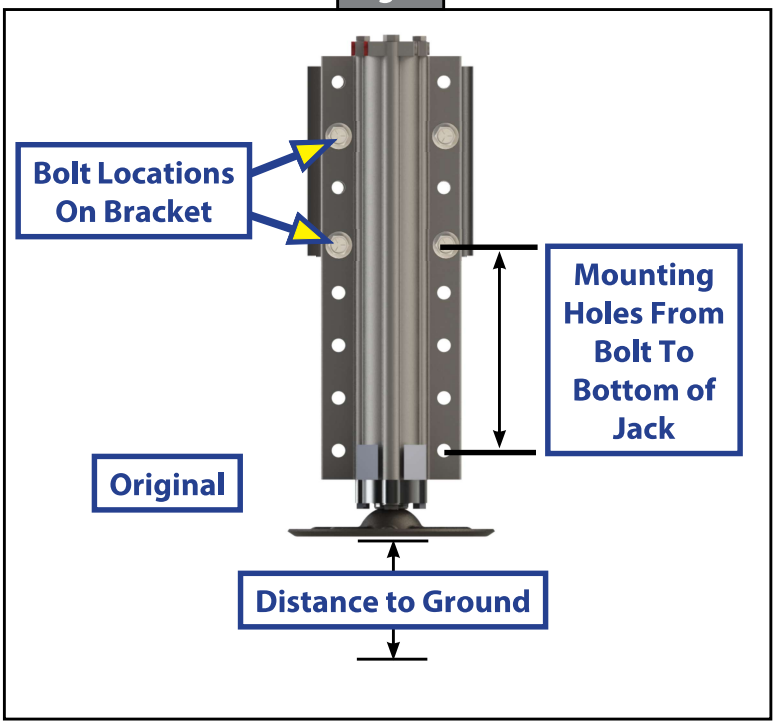
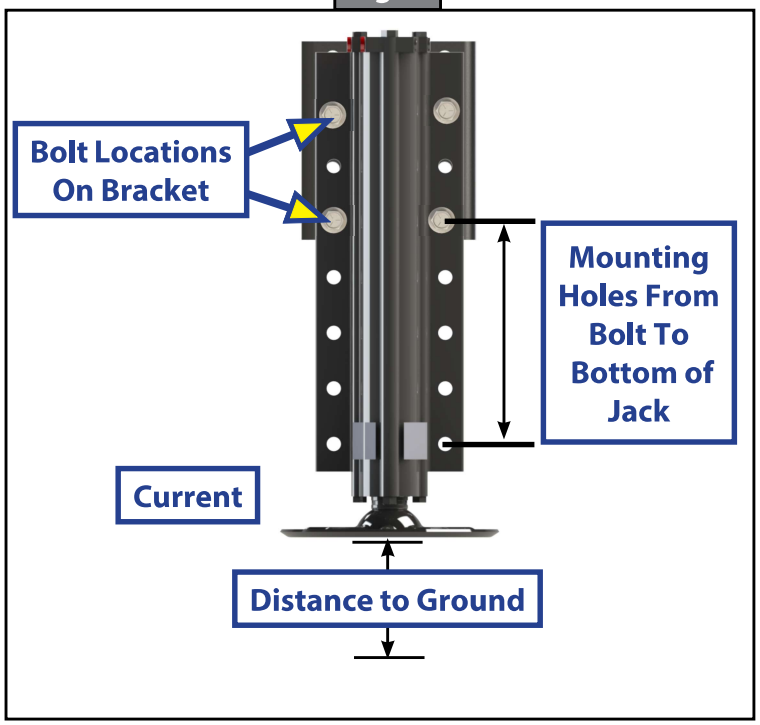


Fig. 2



Front or Rear Jack

1. Remove hoses from the jack.
2. Follow procedures outlined in the Replacement Jack Location section, and then unbolt and remove existing leveling jack (Fig. 3).
3. Match the number of mounting holes from the first bolt to the bottom of the jack and then bolt the new Gen II jack (Fig. 4) to the mounting brackets.
   - **A.** Upper and lowermost bolts are vertically spaced with a minimum of two-hole patterns spaced 4.5" apart (Fig. 5) and tightened per torque specification chart (Fig. 6). A spacing of three-hole patterns (6.75") is recommended where possible.
4. Measure the distance from the footpad to the ground to verify installation is correct.

Fig. 3

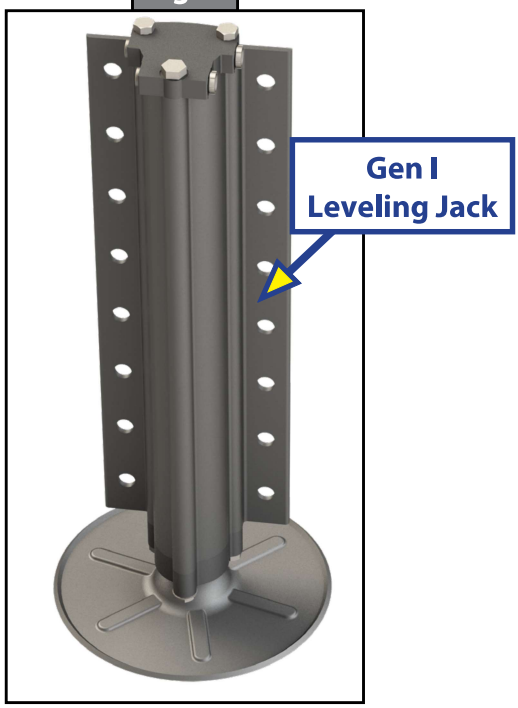


Fig. 4

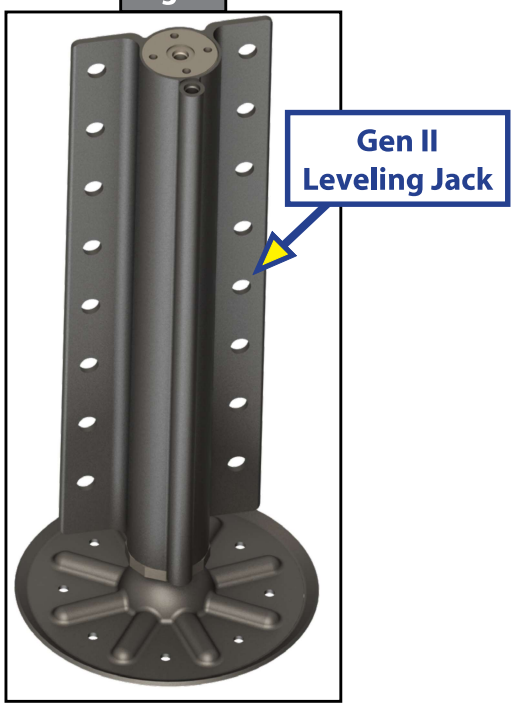


Fig. 5

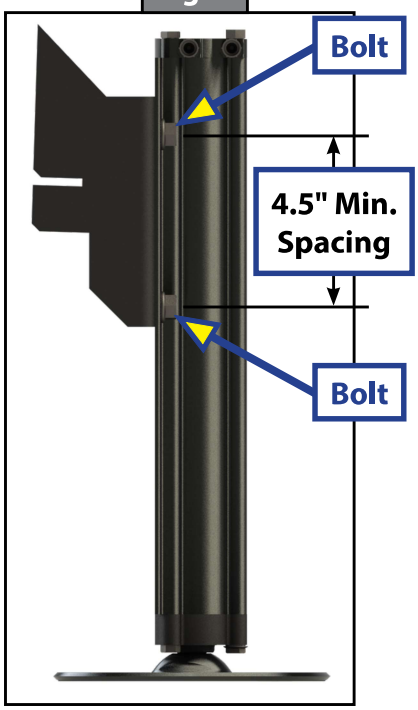


Fig. 6

Bolt Torque Specifications (ft-lbs)		
Bolt Size and Grade	Lubricated*	Dry*
1/2-20 UNF Grade 5	64	85
1/2-20 UNF Grade 8	90	120
1/2-13 UNC Grade 8	80	106

*Lubricated K = 0.15, Dry K = 0.20
** All other fastener sizes/styles are subject to Lippert approval.
*** Assumes mating nut grade to be greater than or equal to bolt grade.

5. Reinstall hydraulic fittings to the leveling jack.
   - **A.** If the Gen I jack has two orange retract hoses (Fig. 7A), a tee fitting PN 143108 (Fig. 8) must be used to connect the hoses to the single retract port on the Gen II jack (Fig. 9).
   - **B.** If the Gen I jack has only one black extend hose and one orange retract hose (Fig. 7B), then the hydraulic fittings can be connected to the Gen II ports (Fig. 9) without using a tee fitting.

Fig. 7

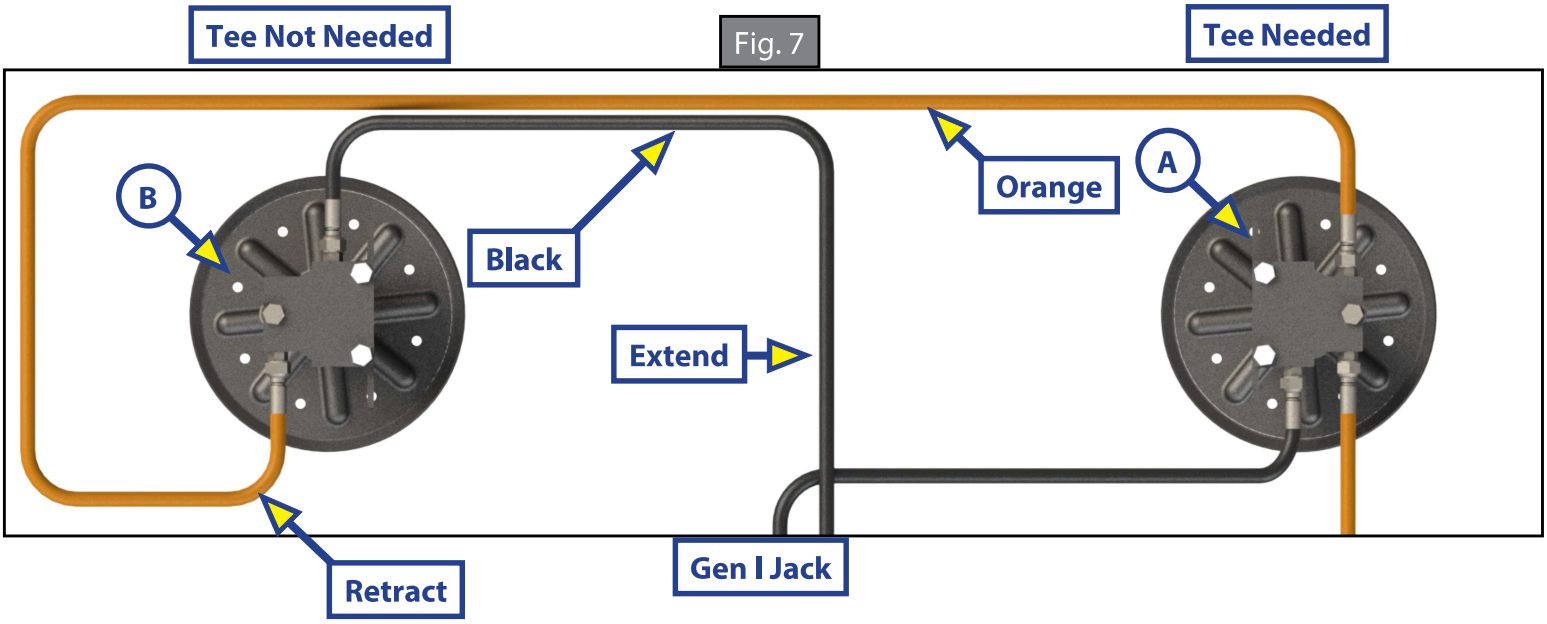


Fig. 8



Fig. 9

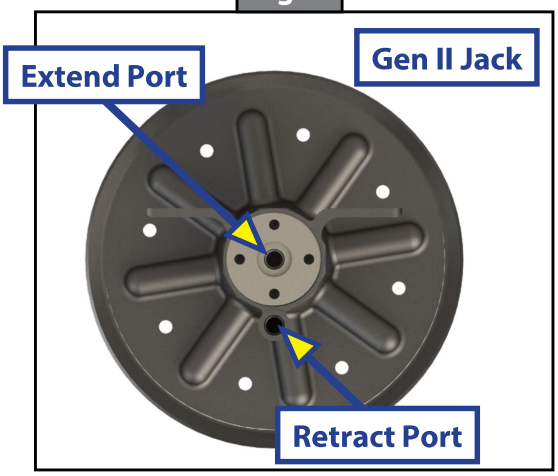


Fig. 10



NOTE: If hoses need to be replaced, measure and make the hydraulic hoses. Always follow the manufacturer's specifications for the correct minimum bend radius throughout the entirety of the hose route. Use gauges to verify areas with questionably tight bends. Fitting orientation can be adjusted to achieve this in some applications. The correct bend radius is shown in Fig. 10.