

HYDRAULICS

Purpose

This document describes the simple steps required to purge LCI hydraulic systems. This information applies to hydraulic landing gear, hydraulic leveling jacks and hydraulic slide-outs. The basic purge procedure to bleed the LCI Hydraulic Systems is performed without the use of any tools. The system's own function purges the air from the hydraulic lines and cylinders by simply running the pump.

1. Start with all hydraulic components in the fully retracted position. This means that all jacks, landing gear, stabilizers and slide-outs are brought back inside the unit as if it were ready to travel.
2. Find the hydraulic pump location and note the amount of fluid currently in the reservoir. The fluid level should be about 1/4" from the top of the reservoir and no more than 1/2" from the top.

NOTE: When checking the fluid level after making sure that all hydraulic components are retracted, note if there are any bubbles, froth or foam on top of the fluid. This is an indication that air has been pushed back to the reservoir when the hydraulic components were retracted in the last cycle. Wait 15-20 minutes for the foam to dissipate before beginning the purge process. Also note that the fluid on the top, with air, will often have a lighter, more pink shade than the fluid on the bottom.

3. If there is no froth or foam in the reservoir and the fluid is not within 1/2" of the top, fill the reservoir to within the level described in step 2.

CAUTION

If units are equipped with electric stabilizers, fully retract stabilizer legs before proceeding.

4. With the fluid level full and no foam in the reservoir, begin cycling the hydraulic system.
 - A. **MOTORIZED** - Fully extend leveling jacks. If the coach has hydraulic slide-outs, extend all slide-outs. Once all leveling jacks and slide-outs are extended, immediately retract all slide-outs and then all leveling jacks .
 - B. **5TH WHEELS** - Extend hydraulic landing gear until footpads contact the ground, extend rear leveling jacks to touch the ground, extend all slide-outs. Retract all slide-outs immediately, retract rear leveling jacks and then retract hydraulic landing gear.

NOTE: Purging of the hydraulic system on 5th Wheels should be performed with the trailer coupled to the tow vehicle, a kingpin stand under the pin box or jack stands under the front portion of the frame.

- C. **5TH WHEELS WITH LEVEL-UP 6-POINT LEVELING** - 5th Wheels with the level-up 6-Point leveling system have the unique ability to have the hydraulic landing gear and leveling jacks extend fully. These particular 5th Wheels can be purged in the same fashion as motorized coaches.

WARNING

Do not attempt to purge this system without the front end of the 5th Wheel safely supported. Doing so could result in death or serious bodily injury.

WARNING

The unit MUST be supported per manufacturer's recommendations before performing this procedure. Failure to do so may result in death or serious injury.

5. Check the reservoir for foam. If foam is present, see NOTE above and repeat steps 3 and 4. Repeat these steps until no foam is present in the reservoir. If no foam is present, the system is purged of air.

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.