

LEVELING AND STABILIZATION

Purpose

The purpose of this quick reference is to instruct the reader in the proper hose measurement procedure, and guidelines to follow when planning hose routing and installation for the Lippert Level-Up hydraulic leveling system. This document assumes that jack mounting brackets have already been determined by the customer and Lippert engineering.

Safety

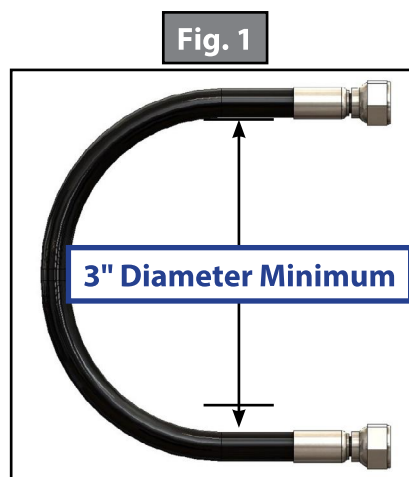
Protect all exposed hose during any welding or fabricating operations that may produce material that will singe, burn or otherwise weaken the hydraulic hose. Weld sparks or other sources of concentrated heat can weaken sections of hose resulting in failures both immediate and over time. Make sure hoses and wires are protected by appropriate safety tools and gear.

Procedure

1. Hoses are measured in feet. Add 3 feet to these measurements to ensure that there will be enough hose material to run between jacks and prevent kinking.
2. Route all hoses on top of the foil insulation inside the underbelly and over the top of any frame crossmembers.

NOTE: The lead landing gear leg is the one closest to the pump. The follow landing gear leg is the one furthest away from the pump.

NOTE: Avoid kinking or bending hose inside the bend radius. You can verify the correct bend radius shown in Fig.1.



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. 1.

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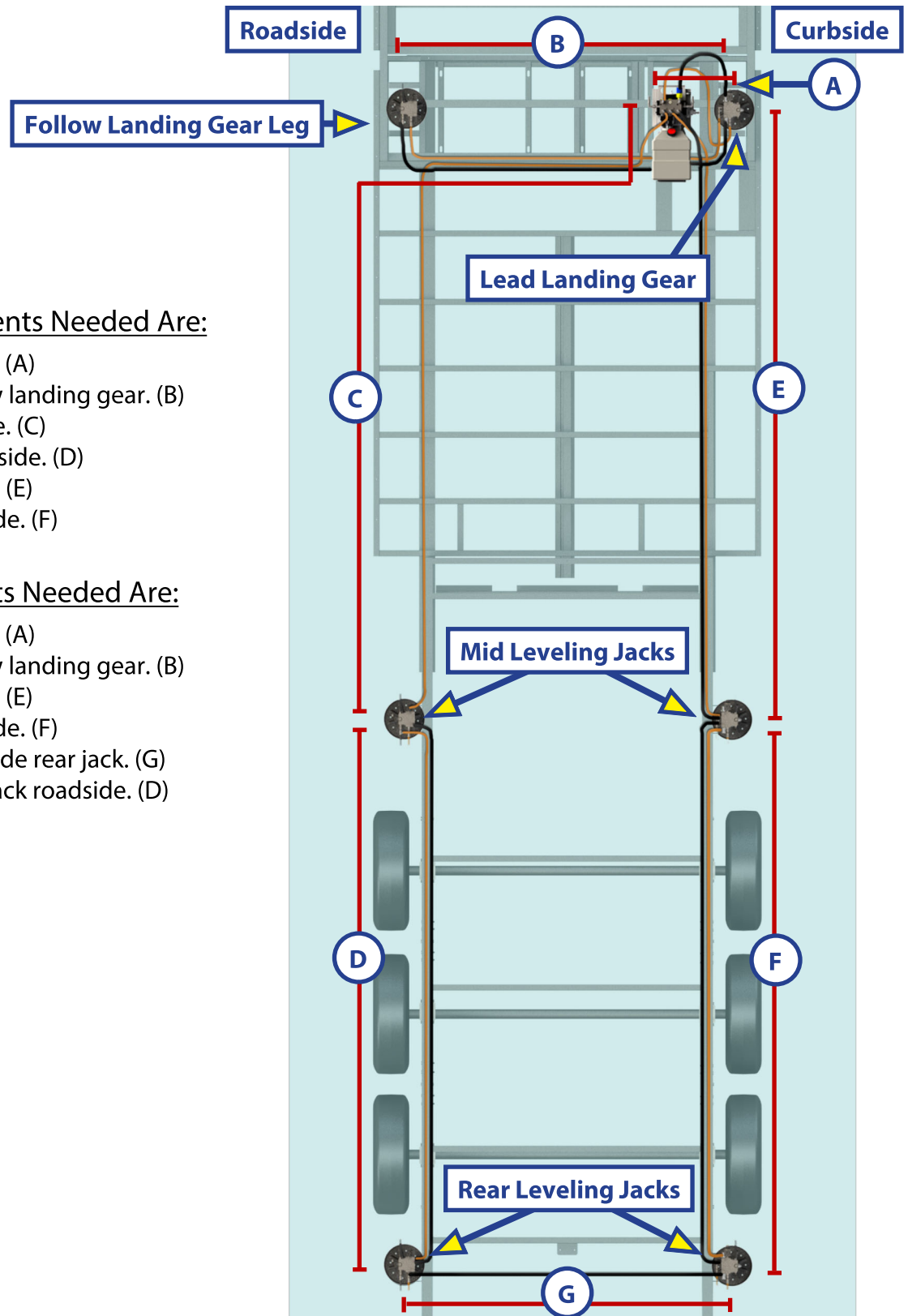
Orange = Extend
Black = Retract

Orange Hose Measurements Needed Are:

- Pump to lead landing gear. (A)
- Lead landing gear to follow landing gear. (B)
- Pump to mid jacks roadside. (C)
- Mid jacks to rear jacks roadside. (D)
- Pump to mid jack curbside. (E)
- Mid jack to rear jack curbside. (F)

Black Hose Measurements Needed Are:

- Pump to lead landing gear. (A)
- Lead landing gear to follow landing gear. (B)
- Pump to mid jack curbside. (E)
- Mid jack to rear jack curbside. (F)
- Curbside rear jack to roadside rear jack. (G)
- Roadside rear jack to mid jack roadside. (D)



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 lippert.com or by downloading the MyLCI app.