

LEVELING AND STABILIZATION

Purpose

This document is intended to illustrate how to replace an obsolete Gen II 14K hydraulic ("follow") landing gear with a domed cap 14K landing gear.

NOTE: Previously Gen II landing gear (jacks) had two different-style end caps. The lead landing gear had a dome cap with a port for the cartridge valve (Fig. 1). The follow landing gear had a flat cap (Fig. 2) with one extend and one retract port. The flat cap-style landing gear has been obsolete and should be replaced with a dome-style cap landing gear.

"Lead" and "follow" terms associated with any particular hydraulic jack are defined by the connection and intended use of the jack within the overall hydraulic system. Any landing gear jack connected directly to the power unit /manifold becomes the lead jack. The second landing gear jack connected to the lead jack becomes the follow jack.

Fig. 1

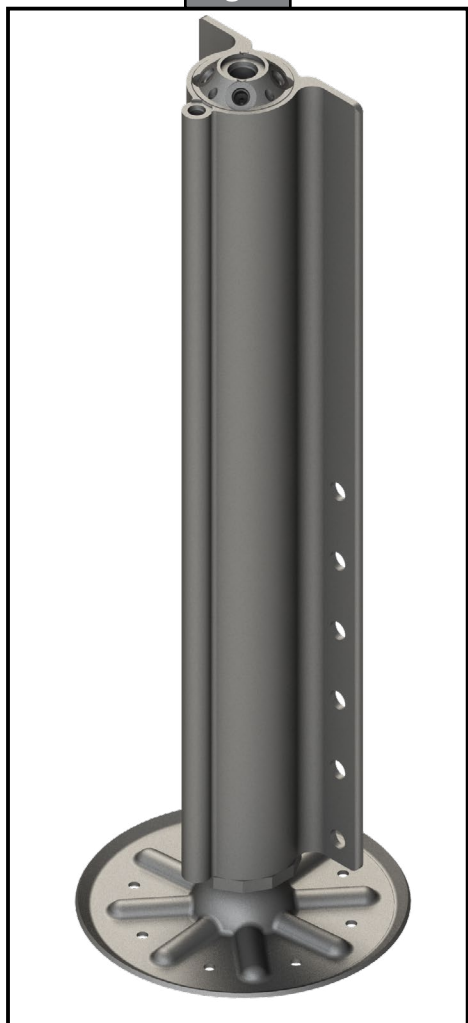
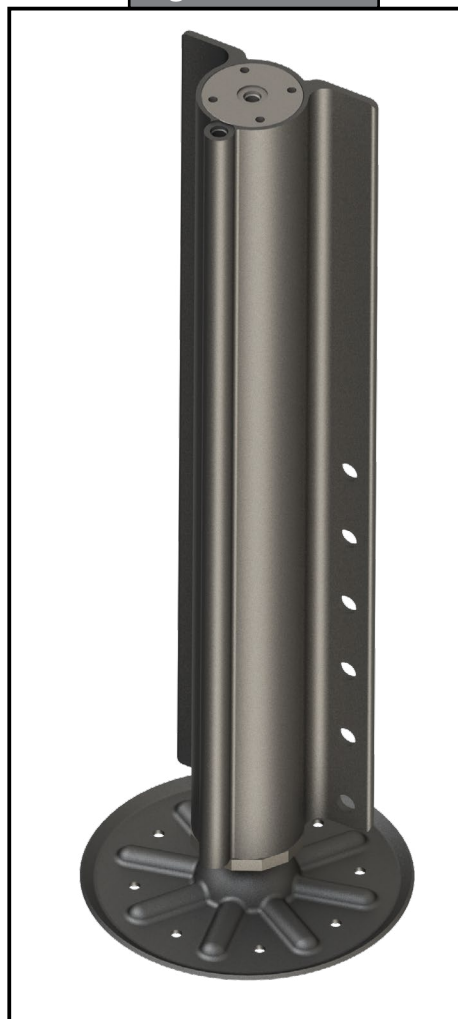


Fig. 2- Obsolete





REPLACING OBSOLETE LEVEL-UP® GEN II FLAT CAP-STYLE LANDING GEAR

TI-324

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Landing Gear End Cap

- The Gen II landing gear (jacks) have a screw-in end cap (Fig. 3A) with four extend ports and a cartridge valve port.

Lead Jack

- The lead jack is connected directly to the power unit/manifold.
- There is a cartridge valve port (Fig. 3D) in the center of the end cap. The lead jack must ALWAYS have the safety cartridge valve installed in the cartridge valve port.
- The extend ports on the lead jack are for the installation of the hose from the power unit/manifold and are identified by tick marks on the top (Fig. 3B).

Follow Jack

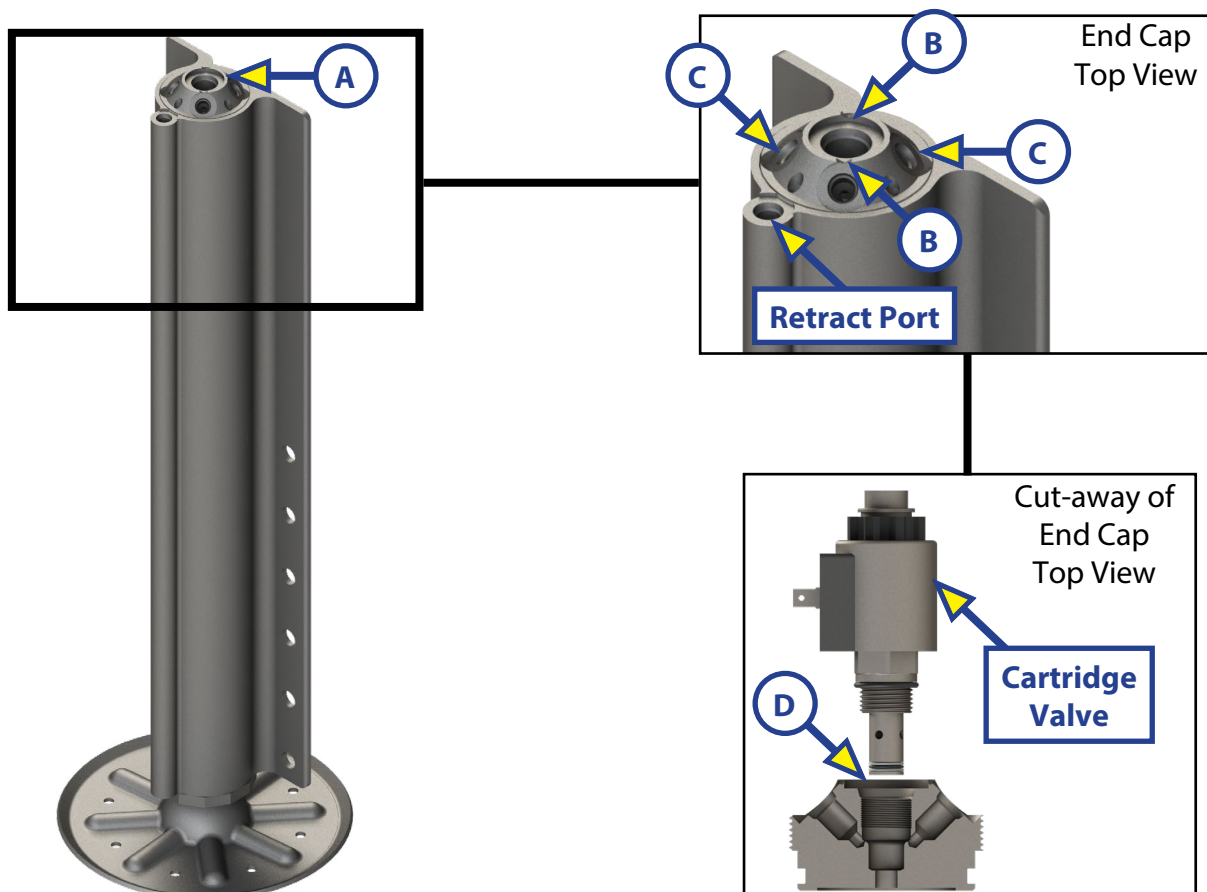
- The follow jack utilizes an extend and retract port.
- The retract port is on the front of the jack cylinder in the center (Fig. 3).
- The extend ports without the tick marks (Fig. 3C) are for the extend hose that runs from the lead jack to the follow jack.
- The remaining ports — including the cartridge valve port — are plugged.

Attaching Hoses to Landing Gear - Follow Jack

1. Install the extend fitting and hose into a port without a tick mark (Fig. 3C).
2. Install the retract fitting and hose into the retract port (Fig. 3).
3. Install plugs into remaining open ports on the top of the jack.

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Fig. 3



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