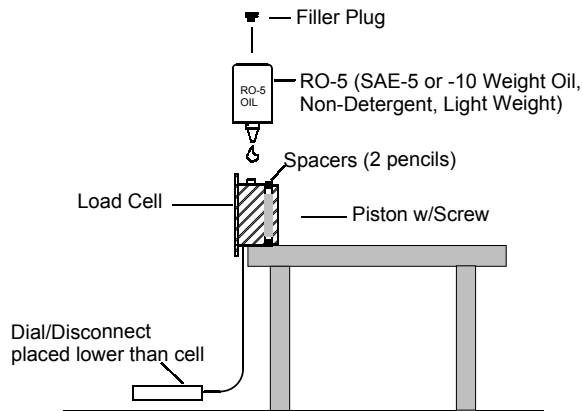
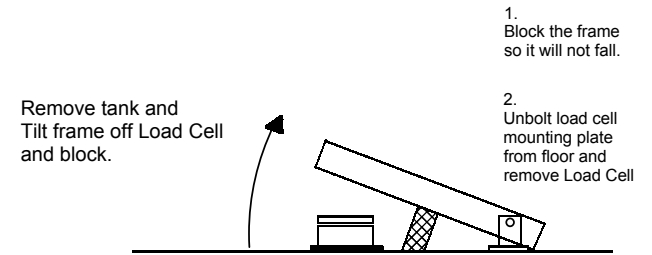


# SERVICE TIPS to keep your CHLOR-SCALE and CHEM-SCALE up and running !

The Hydraulic CHLOR-SCALE is virtually trouble free. When problems do occur the cause is generally that the system is simply "low on oil". Before removing ton containers, you can visually check the load cell level by checking for a sufficient "gap" between the top plate of the load cell top plate and load cell cylinder. Adding fluid to the system is required periodically. When you begin to get erratic readings, this is usually the cause. Topping off the system takes only about 1/2 cup of oil and about 20 minutes of your time.

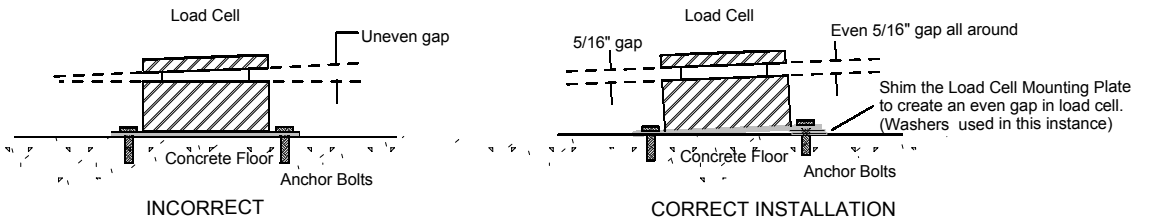
**ADDING FLUID--STEP A:** Remove the tank(s) and tilt the frame up off the load cell. Unbolt the load cell mounting plate from floor. Raise the load cell to a working height and place the dial/disconnect on the floor. Any trapped air will exit the cell during refilling.



**ADDING FLUID--STEP B:** With the Load Cell higher than the dial and or disconnect, and the load cell plug facing skyward, remove the plug on the side of the cell. Pull the top plate apart just enough to slide a pencil (to be used as 5/16" spacer) under the edge of each side to create and even 5/16" gap. Take care not to exceed 5/16" to avoid damaging the internal diaphragm.

One pint of oil, labeled "RO-5" was provided for each scale when purchased. Use SAE-5 or -10 weight, non-detergent, light-weight machine oil. Automotive automatic transmission fluid can be used (or 3-in-1 oil in an emergency). Fill to the top of the filler port. Jiggle the hose and tap the cell on work surface to release any trapped air bubbles. Inspect the o-ring fitting before screwing in plug. On some older models the plug has pipe threads that should be carefully prepared with teflon tape before replacing. Remove spacers and reinstall load cell on floor.

**LEVELING:** Erratic readings can also be caused if the load cell gap is uneven. Shim the load cell mounting plate if necessary so that the gap around the load cell becomes even when the frame is resting on it. This will not only lengthen the time between refillings, but avoid possible damage to the internal diaphragm.



**C.3.304**



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**SERVICE TIPS  
 12.56 LOAD CELLS**

Drawn by: SLP  
 Date: 04/10/90  
 Revised: 01/16/01  
 Scale: NONE

Drawing Number  
**29641**