

# Filling The Reservoir and Using Bucket Pump Instruction

## Part 1: Using a Bucket Pump

When refilling the reservoir it is important to follow the instructions below to eliminate the potential of air and or contaminants from entering the lubrication system.

**Step 1:** Ensure the filler hose & the filler pump do not contain any air-pockets, by pumping 3 strokes with the filler connector on the lid of the bucket.

**Step 2:** Remove the dust cap from the coupling located on the pump. Clean if dirty.

**Step 3:** Check the female quick coupler of the filler pump for contaminants and place on the pump connector until it latches.

**Step 4:** Fill reservoir with grease. Operate a bucket pump at a slow and steady rate until the follower plate reaches the max fill line of the reservoir. If overfilled, grease will come out of the overflow.

**Step 5:** If there is air trapped near the follower plate, fill until the follower plate surpasses the max line so that air and excess grease exit the overflow outlet.

**Step 6:** Remove coupler and place dust cap back on pump coupler. Place female quick coupler of filler pump back on male coupler located on top of the lid.



Illustration 53.  
Place Dust Cap Back on the Male Filler Coupler.

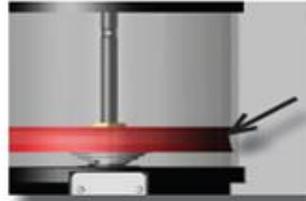


Illustration 46.  
Reservoir Level Minimum Level.



Illustration 51.  
Step 1, Remove Dust Cap and Clean Coupler.



Illustration 47.  
Circulate Grease to Remove Air Pockets.



Illustration 48.  
Fill the Reservoir Until Maximum Level.

## Part 2: How to fill a Reservoir

When either the timer indicates that the low level switch has been triggered or during a system inspection it's visible that the follower plate has reached the minimum level, the pump's reservoir needs to be refilled with an appropriate NLGI/EP lubricant.

For refilling the reservoir, please follow the steps as described below to ensure that no contaminants and/or air enter the lubrication system.

**Step 1:** Remove the dust cap from the male filler coupler located on the pump.

**Step 2:** Clean the male filler coupler located on the pump.

**Step 3:** With the female coupler of the filler pump, still mounted on the lid to the male coupler, ensure there are no air pockets in the filler hose, by making at least 3 strokes, circulating the grease. It is important to pump the grease at a slow and steady rate to eliminate any air. This is especially important when exchanging buckets of grease.

**Step 4:** Inspect the female coupler for dirt and clean when required. Then secure it to the male coupler on the pump, until it latches.

**Step 5:** Fill the reservoir until the top of the follower plate has reached the maximum level mark on the reservoir. (This is located 1 inch/3.3cm below the black reservoir cap.) The bottom of the follower plate should have passed the vent-opening in the follower plate guide rod.

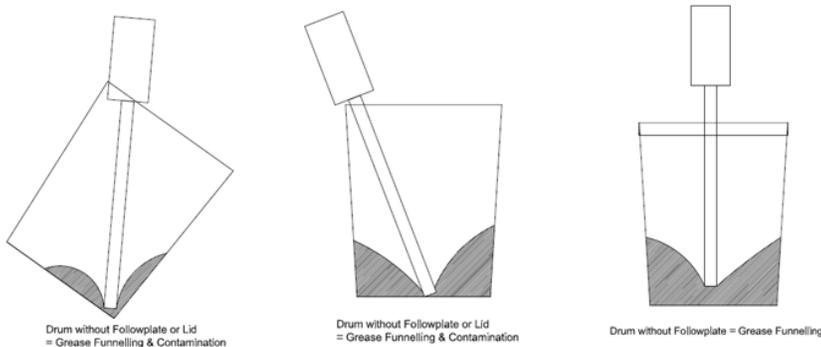
**Step 6:** Place the Dust cap back on the male coupler on the pump and the female filler pump coupler on the male coupling on the lid of the filler pump.

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## Part 3: Additional Important Information

**Take Note:** The pump may optionally be equipped with an in-line heavy duty grease filter. This filter is directly mounted behind the male quick disconnect and prevents dirt and debris from being pumped into the reservoir. Small particles of dirt and sand, when introduced into the lubrication system, may accumulate in the manifolds, injectors and distributors causing blockages. These blockages may end up causing damage to the equipment. It is highly recommended that a Heavy Duty in Line filter be installed on all equipment working in severe environmental conditions.

**Take Note:** Avoid grease contamination by always having the pail of grease covered with an appropriate lid when funneling grease, be sure to empty grease into another bucket if it is below  $\frac{1}{4}$  to avoid any possible contamination. Also do not forget to always operate the hand pump at a slow and steady rate!



This is why you must always operate the pump at a slow and steady rate. When a pail gets below  $\frac{1}{4}$ , it should be transferred into a new pail.



Illustration 54.  
Grease Filter Located  
Inside Pump.

Male Quick Disconnect  
Coupling with Filter.



Illustration 55.  
Heavy Duty Filter Assembly.  
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