

Easy Flow Preventive Maintenance Instructions



Kit Required

Thunderstone Part # 101316 Easy Flow Preventive Maintenance Kit

Description

To provide trouble free operation to the Easy Flow Hydraulic Trap System, Thunderstone has assembled a preventive maintenance kit with instruction and is recommended every two years or as needed depending on the amount of use & environmental factors. The kit comes with all components to replace the breather, bushing, reservoir grommet, oil pick-up screen, reservoir O-ring and hydraulic oil.

Before commencing work on the Easy Flow Hydraulic Trap System, ensure that you have the appropriate parts and tools listed below. The areas of work being done should also be cleaned and free of contaminates.

The Easy Flow Hydraulic Trap system should be bled after preventative maintenance has been completed on the motor/pump reservoir assembly. Make certain the fluid used in the system is a type recommended by Thunderstone. Always keep the supply of fresh fluid covered tightly.

PM Kit Part Contents

<u>Part Description</u>	<u>Qty</u>	<u>Tools Required</u>
Breather Fill Cap	1	Straight Bladed Screwdriver
Breather Bushing	1	O-Ring Pick/Hook
Fill Hole Grommet	1	5/16" Nut Driver
Oil Pickup Screen Assembly	1	5/32" Allen Wrench
Reservoir O-Ring	1	Adjustable Wrench
1 Gallon – Hydraulic Oil	1	Bucket, 2 Gallons Minimum

Procedure

Reservoir Removal

1. Make sure the Easy Flow trap doors are in the "closed" position.
2. Clean dirt & contamination from the power unit before reservoir removal.
3. Place a bucket under the area where the reservoir and pump block meet too catch the used oil.
4. Loosen the reservoir clamp with a straight screwdriver or 5/16" nut driver.
5. Slowly twist & turn while pulling the reservoir away from the pump block.

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6. Pour out the remaining oil into the bucket and dispose of accordingly. Never re-use any oil that has been removed.
7. Make sure to clean any contaminates out and around the reservoir before reinstalling.

Replace Oil Pickup Screen Assembly

1. Using a 5/32" Allen wrench, remove the 2 screws securing the oil pickup screen assembly.
2. Install the new oil pickup screen assembly and reinstall the screws.
3. Make sure that the oil pickup screen assembly is replaced in the same position facing down into the bottom of the reservoir tank.

Figure 1

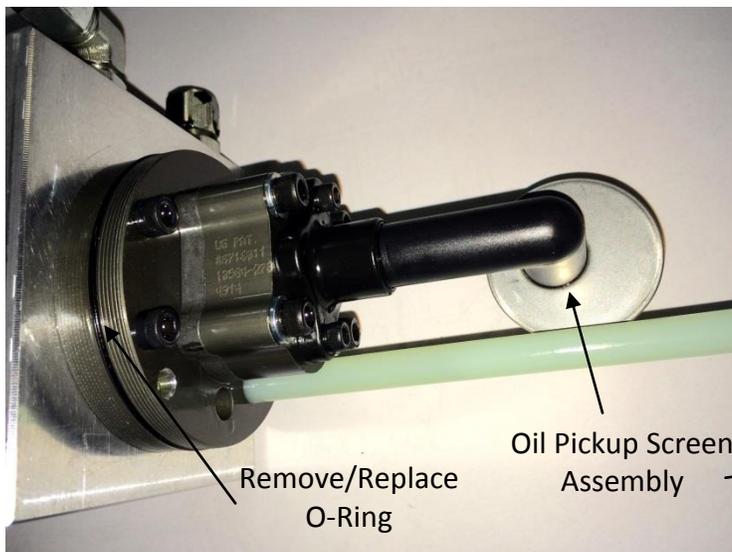
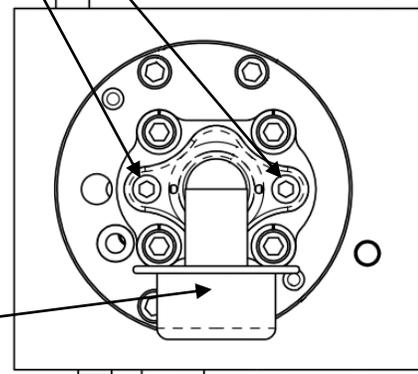


Figure 2
5/32" Allen
Screws



Replace Pump/Reservoir O-Ring

1. Using an O-ring pick or hook, remove the existing pump/reservoir O-ring from the pump block.
2. Re-install the replacement O-Ring into the same position.

Reservoir Reinstallation

1. Remove and discard the existing breather fill cap, bushing and grommet.
2. Clean out any contaminates from inside the reservoir.

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3. Replace reservoir onto the pump/block making sure that the filler hole is in the top position.
4. Tighten the reservoir clamp with a straight screwdriver or 5/16" nut driver.
5. Fill reservoir with the supplied hydraulic oil to the "fill" indicator line (trap doors closed). Make sure to use clean containers, hoses and funnels when filling the reservoir.
6. Install the supplied grommet into the reservoir fill hole. Turn the new breather fill cap & bushing into the grommet clock-wise until finger tight.
7. Make sure all clean-out holes, filler caps, and breather filter on reservoir are properly fastened.

Figure 3

