



New Style Campbell Hausfeld Diaphragm Replacement & Bleeding Instructions

1. Lay your sprayer in such a position that the inlet valve is facing up. This will prevent oil from escaping the housing when you remove the block.
2. With a 1/4" Allen wrench, remove the four block bolts shown above.
3. Carefully lift the block straight up off the housing watching that the check valve spring does not get dislocated if the diaphragm sticks to the block.
4. Carefully remove the diaphragm assembly from the diaphragm cavity watching that the check valve spring does not get dislocated. Fill diaphragm cavity with SAE 10-weight (ISO 32) hydraulic oil.
5. With a clean rag, wipe the clamping area on the block and housing thoroughly, especially the grooves.
6. Insert the diaphragm into the diaphragm cavity of the housing aligning the ball, follower & check valve spring with the small pocket under the diaphragm.
7. Insert the diaphragm washer, flat edge facing the block, into the washer groove of the block.
8. Place the block on top of the housing, lining up the bolt holes. Make sure the diaphragm washer stays in place.
9. With your fingers start each bolt in the block using a cross pattern. Do not allow the block, to become cocked by over tightening any given bolt.
10. Tighten each bolt $\frac{1}{4}$ turn at a time using a cross pattern. It is extremely important that the block is tightened evenly.
11. With the 1/4" Allen wrench, continue the tightening process $\frac{1}{4}$ turn at a time in a cross pattern torque: 275 in/lb.
12. Put the machine in the upright position.
13. Fill the hydraulic reservoir with SAE 10-weight (ISO 32) hydraulic oil if needed.
(fluid should be about 1/4" to 1/8" of an inch from the top of the hydraulic housing)
14. Turn the pressure control counter clockwise to the lowest pressure setting.
15. Remove the inlet valve.
16. Turn the machine on and let it run for 1 to 2 minutes. (it sometimes helps to turn the motor on and off a few times, allowing the motor to stop completely before turning it on again)
17. Turn the pressure control clockwise to full pressure.
18. Put your finger in the hole where the inlet valve was to feel for a vibration.
19. If you feel a vibration, turn off sprayer and finish assembly.
20. If you DO NOT feel a vibration, repeat steps 14 through 20