



Wagner 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 hydraulic housing when you remove the block.
2. With a 6mm Allen wrench remove the four block bolts.
3. Carefully lift the block straight up off the housing.
4. Carefully remove the diaphragm assembly from the diaphragm cavity. 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 any grooves.
6. Insert the diaphragm into the diaphragm cavity of the housing.
7. Insert the head insert (if removed or new), 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 head insert 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 using a cross pattern. It is extremely important that the block is tightened evenly.
11. Continue the tightening process $1/4$ turn at a time in a cross pattern. Torque to 15 ft/lb.
12. Fill the hydraulic reservoir with SAE 10-weight (ISO 32) hydraulic oil if needed.
Tidal Wave Sprayers: Hydraulic face plate facing up.
Remove the 8 screws from the face plate. Fluid should be about $1/4$ " to $1/8$ " of an inch from the top of the hydraulic housing.
Older Style Sprayers (plastic face plate): Inlet valve facing up.
Remove the 6mm plug on the side of the hydraulic housing. The fluid should reach the threads of the plug
13. Put the machine in the normal operating position.
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