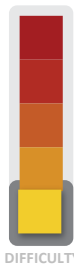




# Installation Instructions

<b>PART NUMBER</b>	<b>158-8212K</b>	
<b>PART DESCRIPTION</b>	<b>AQUATECH DIAPHRAGM / VALVE INSTALLATION</b>	
<b>REV DATE</b>	<b>8/01/2007</b>	
<b>MACHINE MODELS</b>	<b>ALL AQUATECH CLEANER PUMP ASSEMBLIES</b>	

<b>TOOLS NEEDED</b>	<b>PARTS</b>
T20 Star Screwdriver Rags Flathead Screwdriver	
<b>TECHNICAL NOTE</b>	
Please thoroughly read the instructions prior to performing the installation of this assembly. To avoid any potential problems, if at any time during the process you have a question, stop and contact our Tech Support department at the numbers listed below.	

## STEPS

1. Disconnect power and remove hoses from the pump. Use a rag to catch any cleaner before it spills on the machine.
2. Remove the cleaner pump out of the machine by removing the (4) #10-24 fasteners. Retain all fasteners.
3. With the pump on a workbench, remove the seven screws holding the pump head on the motor. Three of the screws are 10-32 x 1-1/2" x and (4) are 8-32 x 1" MS. (Note: There is no need to remove the (3) small pressure switch screws.)
4. Remove the top plastic head assembly from the pump by firmly pulling on it.



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5. Next, remove the old valve assy from the motor housing. Pull firmly on the black metal valve housing to pull the old valve & diaphragm off the motor shaft. *(Note: a flathead screwdriver may be required to CAREFULLY pry the valve housing off the motor shaft as it is a tight fit.*
6. Place the new valve housing on the pump motor shaft, making sure the flat spots are lined up properly and push together. Make sure the diaphragm mounting holes line up properly w/ the threaded location of the metal pump housing.
7. Press the new diaphragm onto the valve so the oval o-ring is towards the top (opposite the pump mounting base).
8. Remove the two flappers from the old diaphragm (one completely round, & one looks like a half-circle), and install on the new diaphragm. The completely round flapper goes at the top, while the half-circle goes directly underneath the round flapper.
9. Carefully push the pump head back onto the pump, making sure the mounting holes all line up.
10. Re-install the (3) 10-32 x 1-1/2" and (4) 8-32 x 1" MS and tighten each securely.
11. Push all hoses completely back into the pump and reinstall the pump in machine. Check for leaks.

