

TECHNICAL BULLETIN

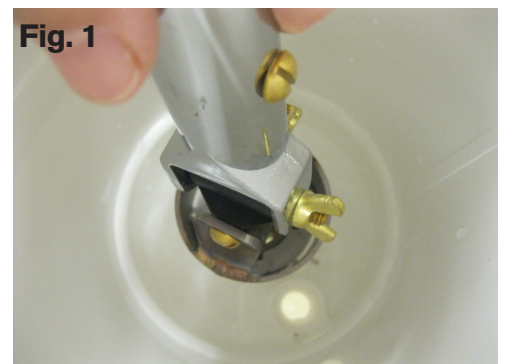
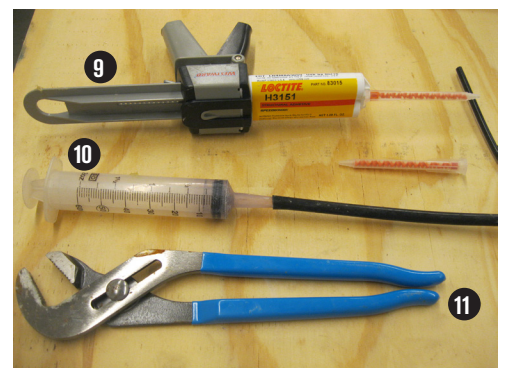
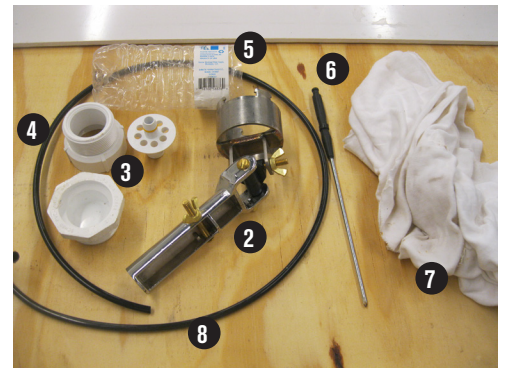
Paralevel Housing Leak Repair • Jan. 29, 2016

Tools and Materials Needed

1. Epoxy mixing tip 1:1 (Grainger#4YX11), Loctite Epoxy H3151 (Grainger#2LTE4)
2. Small Nozzle Tool
3. Plug 1 1/2" NPT
4. Paralevel center fill line plug special
5. Bail cup
6. Small diameter screw driver
7. Clean rag
8. Tubing 1/4" by 2 ft
9. Epoxy Applicator with 1:1 plunger (Grainger#48H964)
10. Syringe with at least 10 inches of 3/8" tubing
11. Channel Lock

Process to Make Repair in a damaged housing

1. Turn off water supply to Paralevel Housing.
2. Plug balance line from Paralevel Housing to the pool with a threaded or expansion plug.
3. Remove Paralevel Float from Housing.
4. Use cup to bail majority of water from Paralevel Housing.
5. Use Small Nozzle tool to loosen Retainer Nut from bottom of Paralevel Housing. Fig. 1
6. Use syringe with 3/8" tubing to suck remaining water from bottom of the Paralevel Housing. Then with syringe blow air into small pockets around center of fill tube in bottom of the Paralevel Housing. Fig. 2
7. Install special Plug to center fill line of Paralevel Housing and thread retainer nut to hold it in place, hand tight. Fig. 3
8. Turn on supply water to Paralevel Housing.
9. Look in housing and watch to see which pocket water seeps from. This may take a few minutes for slow leaks. If water is coming from large pocket stop the Paralevel Housing is not repairable and will need to be replaced. If water is seeping into one of small pockets proceed. Fig. 4



10. Turn off supply water to the Paralevel Housing and remove special plug from center fill line in the bottom of the Paralevel housing.
11. Use Syringe to remove water from bottom of Paralevel Housing. Fig. 5
12. Use small tubing to remove water from pocket that is leaking by inserting into hole and blowing in other end of the tube.
13. Use the small diameter screw driver and rag to blot the pocket and dry as best as possible. Fig. 6
14. Cut the handle of the epoxy applicator down about $\frac{3}{4}$ of an inch so that you will be able to reach down into the Paralevel Housing.
15. Squeeze the epoxy applicator handle a few times until epoxy comes out the tip and wipe off with rag.
16. Insert applicator tip into the pocket to be filled until it stops at the bottom of the socket. Squeeze handle and slowly retract applicator tip to fill pocket without air bubbles. Pocket should be full to top. Fig. 7
17. Allow epoxy to cure for 24 hours. Epoxy may shrink some as it cures. Fig. 8
18. Reinstall center fill line plug as in steps 7 thru 10 to test repair. If no leaks proceed.
19. Install Paralevel Retainer Nut.
20. Install Paralevel Float Assembly.
21. Remove plug from Paralevel Balance line inside pool.
22. Turn on water supply to Paralevel.
23. Set Paralevel Float to desired level.

Fig. 4

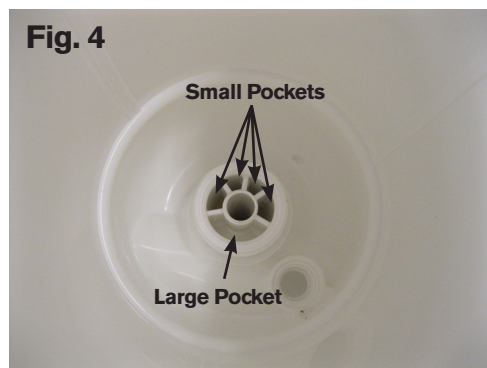


Fig. 5



Fig. 6

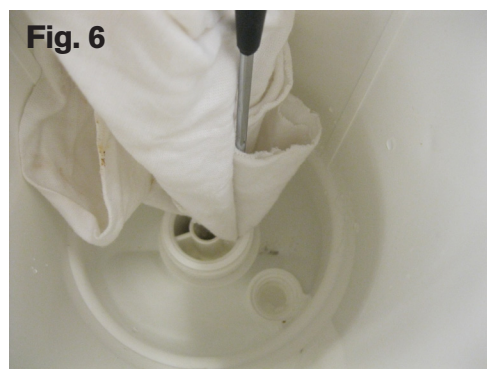


Fig. 7



Fig. 8

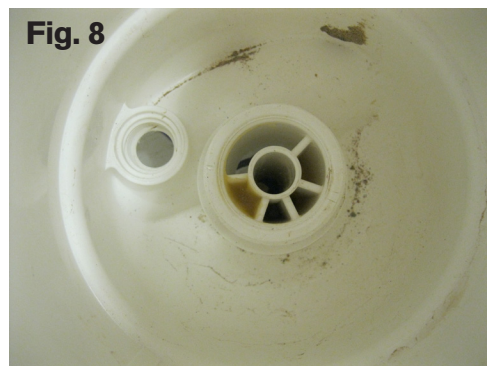


Fig. 2

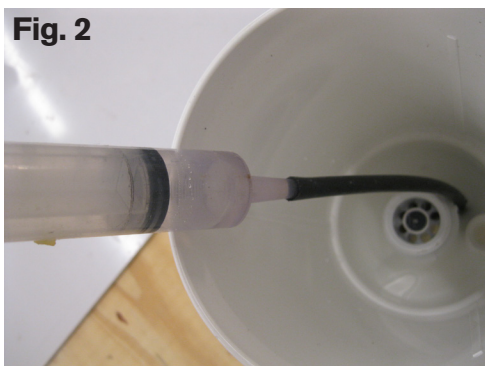


Fig. 3

