



OWNER'S MANUAL

"The Unit" Air Fill Station



For more information call (856) 812-2800 or visit www.valkendealer.com

REQUIRED TOOLS:

#248 "Blue" Loctite
1/2" Deep Socket and Ratchet
7/8" Socket and Ratchet

7/8" Adjustable Crescent Wrench
1/8" Allen Wrench
1/8" Allen Wrench

Dental Pick
Torque Wrench

INSTRUCTIONS:

ACCESSING THE REBUILD KIT



1. Remove the gauge cover plate by removing the (4) stainless steel screws using a 1/8" allen wrench.



2. Remove the gauge cover and set aside.



3. Location of the rebuild kit

CHANGING THE VALVE PLUNGER



1. Remove valve cartridge using 7/8" ratchet. *May have to heat



2. Completely remove valve cartridge from filling station.

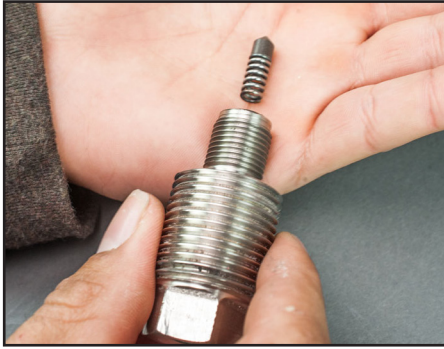


3. Using the 7/8" wrench and 7/8" socket, unscrew the valve cartridge cap. *May have to heat

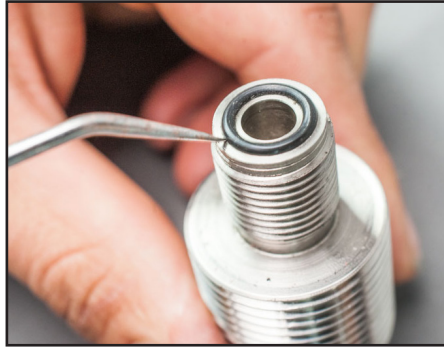
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CHANGING THE VALVE PLUNGER CONT'D



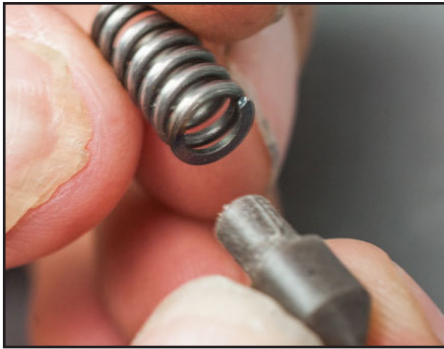
4. Remove the plunger and spring assembly.



5. Inspect O-ring for damage.



6. Replace o-ring if damaged with large o-ring from rebuild kit.



7. Remove black plunger from spring and replace with new plunger from rebuild kit. (if needed)



8. Make sure plunger is fully seated in spring.



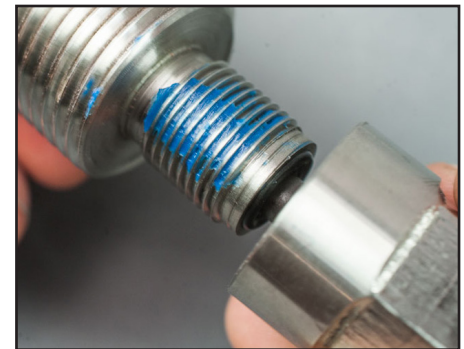
9. Replace plunger and spring assembly into the valve cartridge.



10. Make sure plunger is installed as shown.



11. Apply a small amount of #248 "Blue" Loctite to the small threads.



12. Re-install valve cartridge cap and ensure the plunger is in proper position.

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CHANGING THE VALVE PLUNGER CONT'D



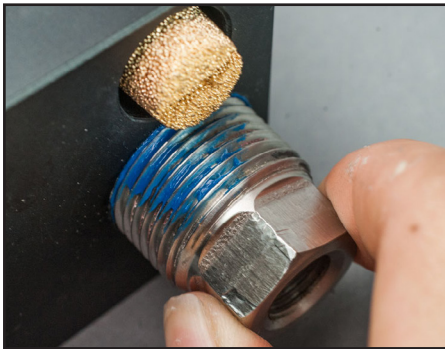
13. Tighten valve cartridge cap using the 7/8" wrench and the 7/8" ratchet. Tighten snugly. Torque to 45 ft/lbs.



14. Inspect o-ring at end of the valve cartridge. If damaged, replace with large o-ring from the rebuild kit.



15. Apply a small amount of #248 "Blue" Loctite to the Large Threads.

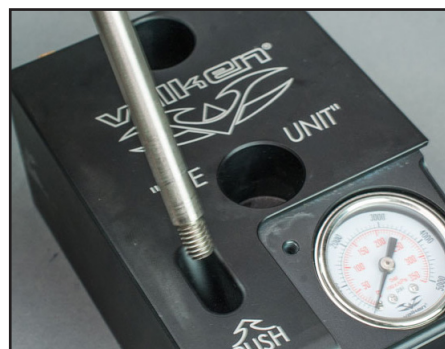


16. Reinstall valve cartridge

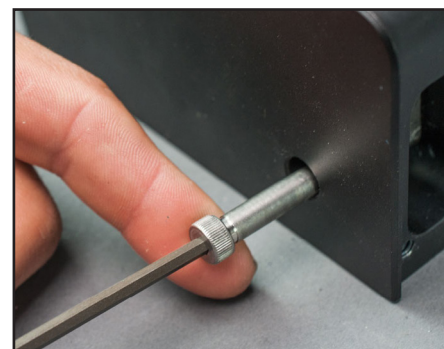


17. Tighten valve cartridge cap using the 7/8" wrench. Torque to 45 ft/lbs.

CHANGING THE PIN BUSHINGS



1. Unscrew the handle and Remove.



2. Remove the pivot bolt using 1/8" allen wrench.



3. Remove the pivot.

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CHANGING THE PIN BUSHINGS CONT'D



4. Note the 1/2" Hex fastener at the bottom of the pocket.



5. Using the 1/2" deep well socket, unscrew the 1/2" pin carriage.



6. Remove pin and pin carriage



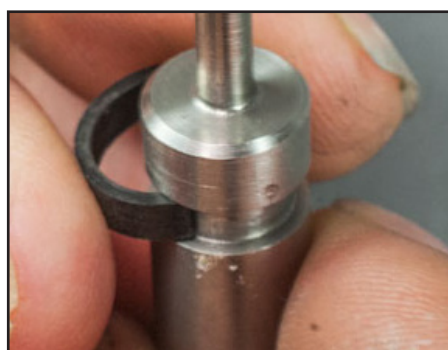
7. Replace plastic seat and small O-ring from the pocket using a small dental pick.



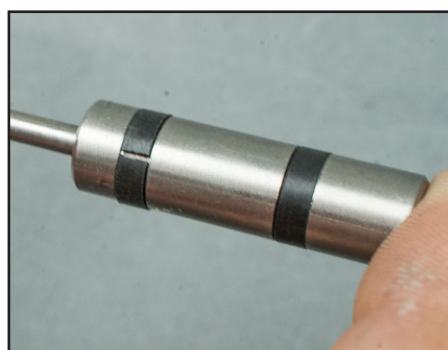
8. Remove the pin from the pin carriage.



9. Inspect pin split bushings (they should be split). If worn, replace with new split bushings in the rebuild kit.



10. Separate split bushings with your fingers and slide over pin.



11. Splits in split bushings should appear invisible once installed.



12. Reinstall pin into the pin carriage.

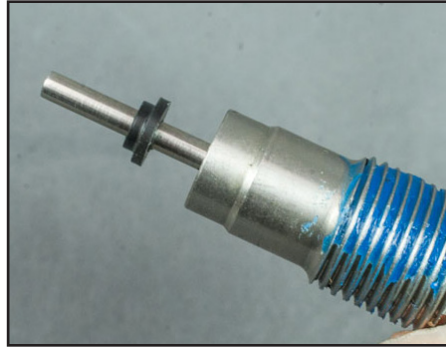
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CHANGING THE PIN BUSHINGS CONT'D



13. Apply a small amount of #248 "Blue" Loctite to outer threads.



14. Install new seat onto pin.



15. Reinstall pin carriage assembly into fill station.



16. Tighten the pin carriage by hand using the 1/2" deep well socket.



17. Snug pin carriage using 1/2" deep well socket and ratchet. *Do not overtighten.



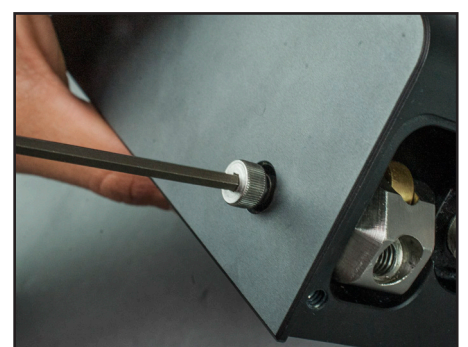
18. Reinsert pivot.



19. While sliding pivot into pocket, insert handle and screw into pivot.



20. Hold handle to align pivot bolt.



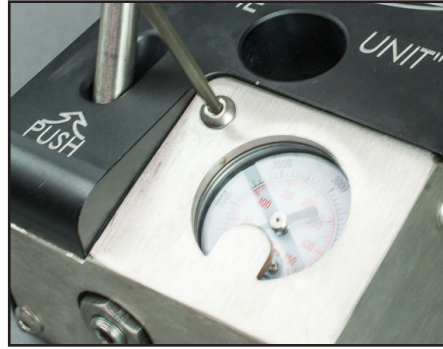
21. Insert pivot bolt.

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22. Tighten pivot bolt using 1/8" allen wrench.



23. Reinstall gauge cover plate



24. Finished product

GUIDE FOR LEAKS:

ISSUE: Station leaks while under pressure but not in use.

SOLUTION: Valve cartridge needs to be rebuilt

ISSUE: Leaking out of brass purge valve while filling

SOLUTION: Plastic seat and o-ring needs to be replaced

ISSUE: Handle will not return after station rebuild

SOLUTION: Pin carriage may be installed too tightly or plastic seat may not be seated correctly

*****WE STRONGLY RECOMMEND USING
"The Unit" WITH AN INLINE REGULATOR.**

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