

# Genesis Valor 2<sup>nd</sup> Stage Regulator

## Disassembly



# Disassembly

- 1) Remove 2<sup>nd</sup> stage and hose from 1<sup>st</sup> stage.
- 2) Remove 2<sup>nd</sup> stage from hose.



Remove o-rings  
from both ends of  
the hose (items 29  
and 30)

# Disassembly

3) Remove the color ring (item 1) by hand



# Disassembly

4) Remove the retainer ring (item 2) using the ring tool.

5) Lift out the purge cover (item 3) and diaphragm (item 4)



Item 2



Item 3



Item 4

# Disassembly



- 6) Remove the hex nut (item 24)
- 7) Remove cap (item 13)
- 8) Remove o-ring (item 12)



# Disassembly

9) Remove the adjustment screw (item 11).

10) Remove the small red washer (item 10) from the adjustment screw.

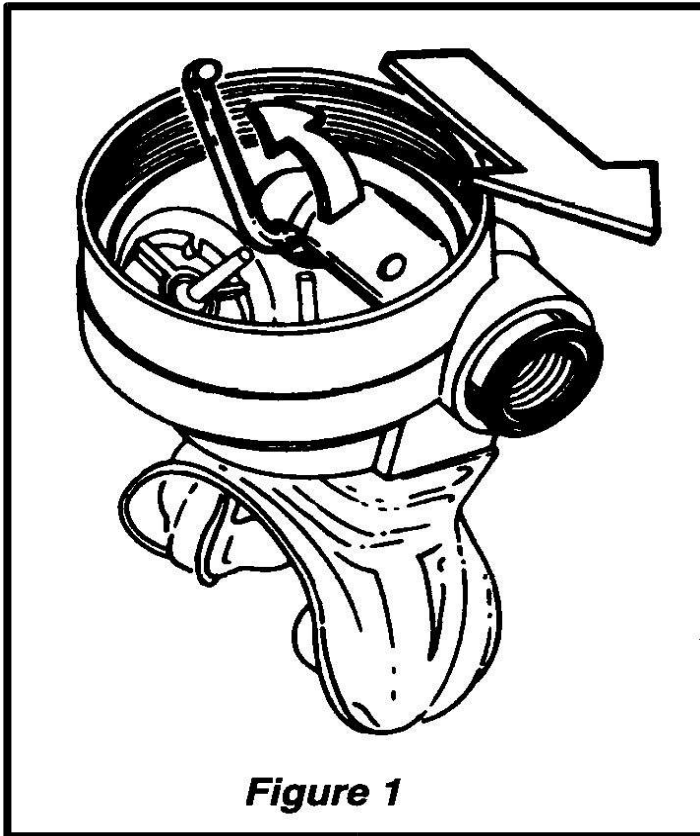
11) Remove the spring (item 9).



# Disassembly

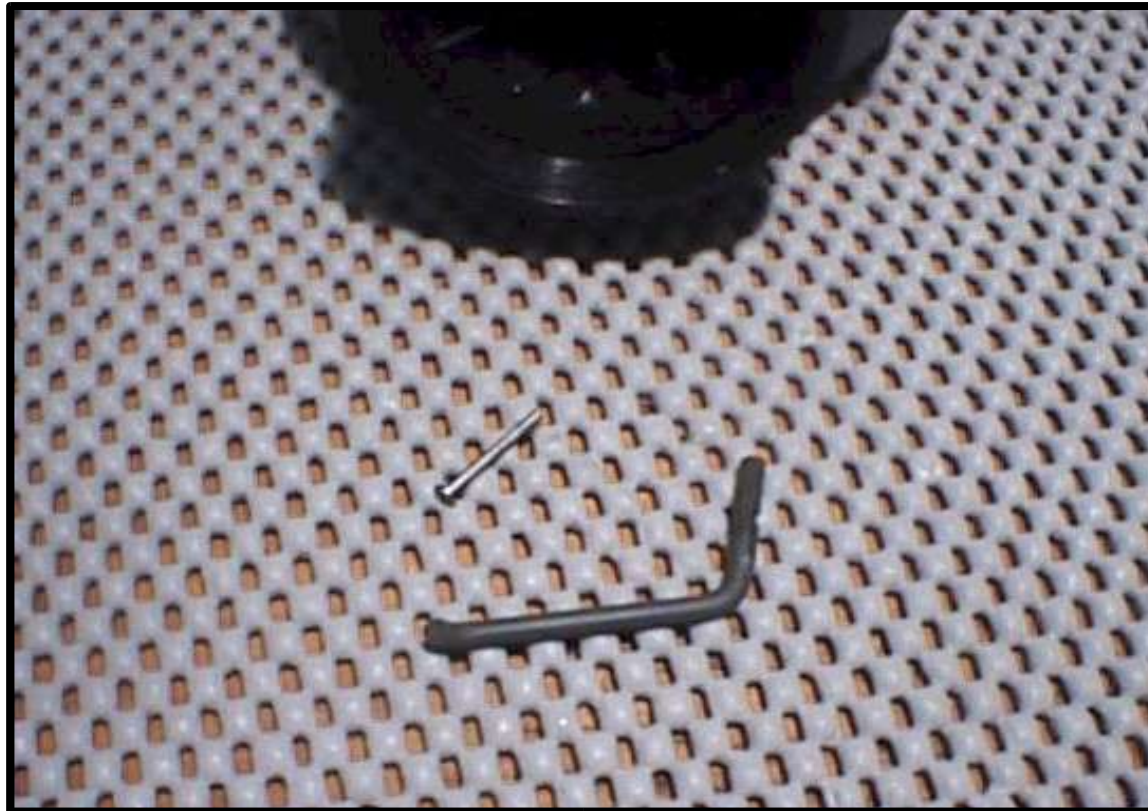
## Removing the lever:

- 12) Rotate the lever (item 5) up against the side of the case (Figure 1).
- 13) Push the valve body (item 16) into the case from the hose side until the head of the pin (item 6) is exposed.



# Disassembly

- 14) Turn the case upside down and shake the pin out. If the pin does not fall out, push the pin out from the mouthpiece side with the seat extractor.
- 15) Remove the lever.





# Disassembly

16) Slide the valve body completely out of the case

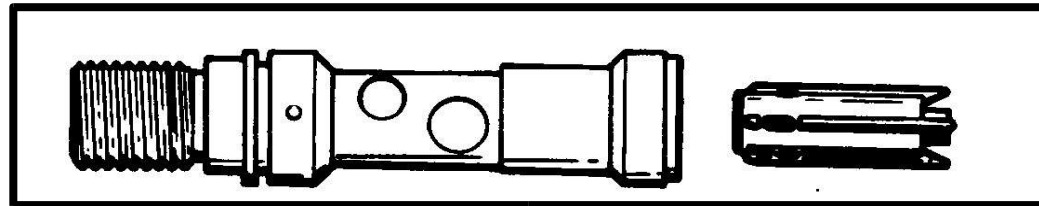


# Disassembly

17) Turn the valve body up and the poppet and seat assembly (items 14 & 15) will fall out.



Item 14



Item 15

18) Remove and discard the seat

# Disassembly

19) Remove and discard the valve body o-ring (item 17)



# Disassembly

20) Using a medium flat blade screw driver, turn the orifice counter clockwise until the threads disengage.



21) Using the Seat Extractor Tool, push the orifice (item 25) out of the valve body from the adjustment screw side.



# Disassembly

22) Remove the orifice o-ring (item 26)

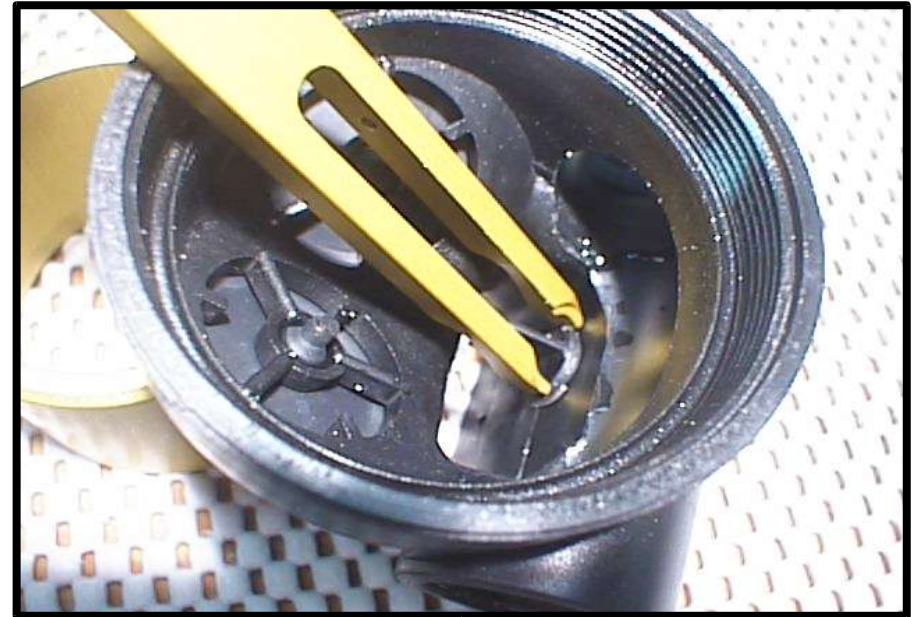


# Disassembly

23) Use the c-clip tool to press the c-clip (item 18) off the Vane Adjustment Switch (item 21)

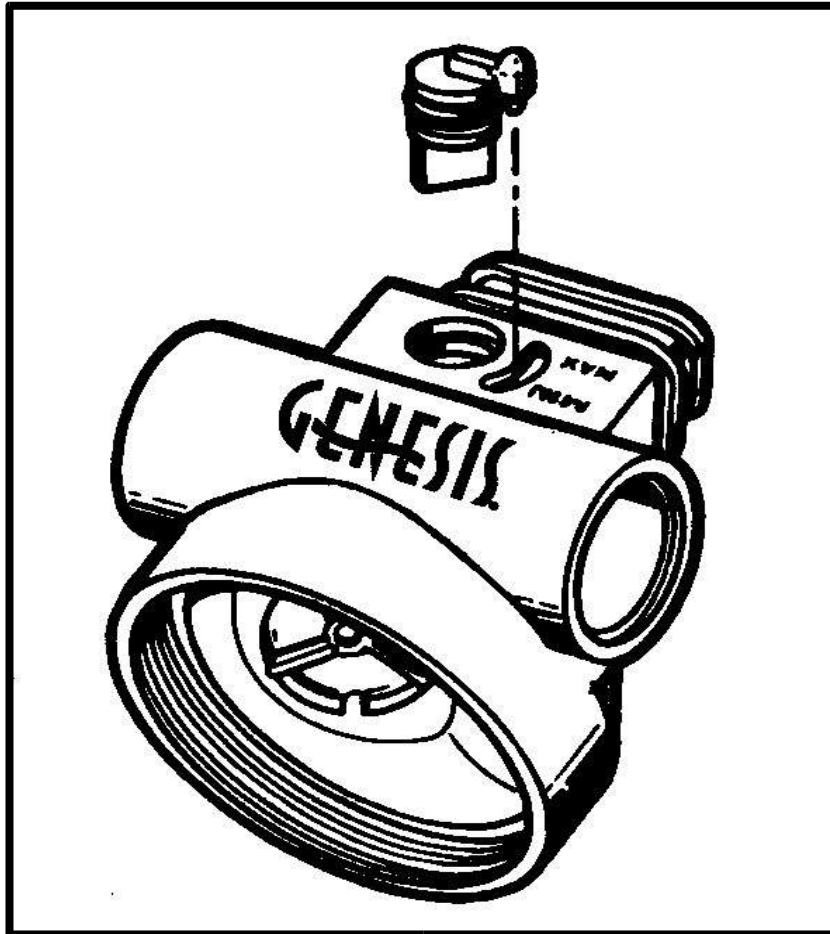


Item 18



# Disassembly

24) Press the vane adjustment switch (item 21) out with your finger tip, and pull it out of the case.



25) Remove the o-ring (item 22)



# Disassembly

26) Insert a small screw driver into the slot where the exhaust tee (item 8) joins the case and use as a lever to disengage the tee from the case.





# Disassembly

27) Remove the exhaust valves (item 7).



# Disassembly

28) Use wire cutters to snip the mouthpiece wire tie, and remove the mouthpiece (item 20) from the body (item 23).

