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Date: **September 14, 2010**

**RE: DSD EDGE Replacement Purge Valve Kit.**

A new air tank purge valve has been introduced on the DSD EDGE as of serial number 66772250. The new valve is not susceptible to debris fouling the valve mechanism.

There are two kits available, depending on the voltage requirements:

- 78400-752 for 110V machines
- 78400-753 for 230V machines

Parts are no longer available for the original purge valves. If there is a valve failure, the conversion kit must be ordered to convert the entire valve assembly to the new version. Once converted, individual parts for the new valve can be ordered.

## **DSD EDGE PURGE VALVE INSTALLATION INSTRUCTIONS**

### **Kit contents**

- Reducing bushing
- Threaded pipe
- Valve
- Coil/timer (120V for the 78400-752 and 230V for 78400-753)
- 1/4" tubing



Figure 1

## Tools Required

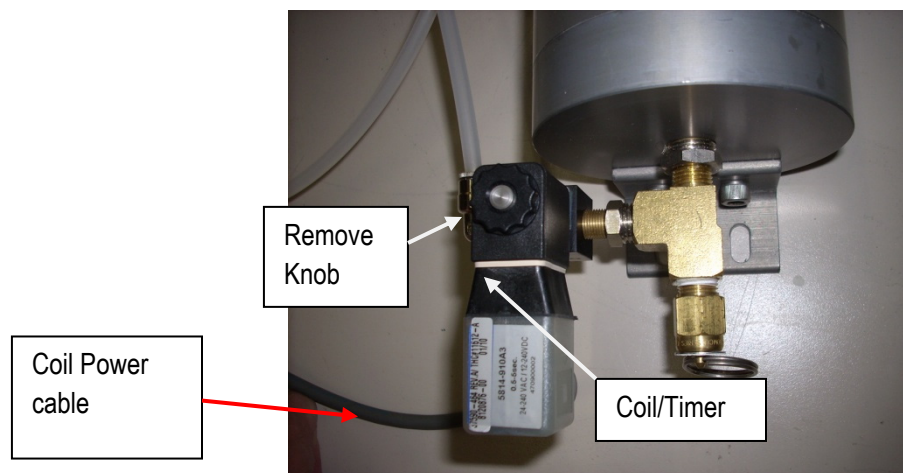
- #1 Phillips screw driver
- Adjustable open ended wrench
- Quality pliers or very small pipe wrench

## Preparation of DSD EDGE

- Unplug the DSD EDGE power cord from the wall plug.
- Remove the SSG unit from the machine. This is accomplished by removing the bottle tray, then removing the four mounting screw. Pull out and set SSG to the side.
- Release all air pressure from air tank by pulling the relief ring.

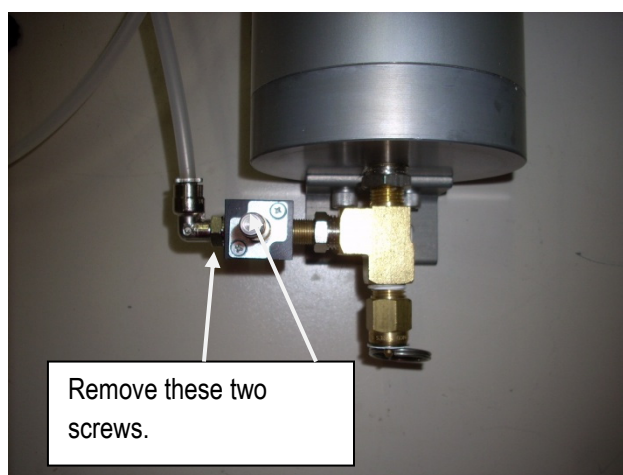
## Removing old valve

- Disconnect the cable power cable to the coil. *See figure 2.*
- Unscrew the knurled knob that retains the coil. *See figure 2.*



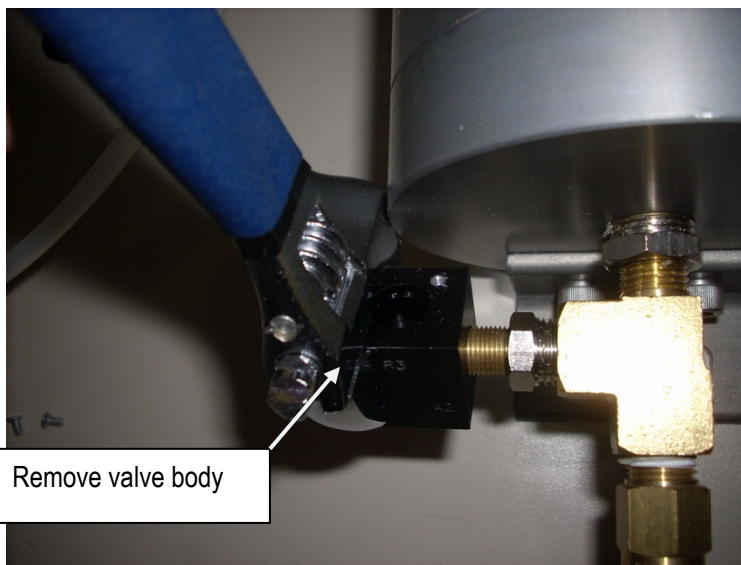
**Figure 2**

- Remove the coil/timer. This part will be discarded.
- Remove the two screws that hold the plunger to the valve body. Once the screws are removed, remove the valve stem. The hose can be removed or retained for use with the new valve. The kit includes a new hose. Discard the valve. See *figure 3*



**Figure 3**

- Using an adjustable wrench, unscrew the valve body. Discard the valve body. See *figure 4*.
- Using an adjustable wrench, unscrew the bushing and threaded pipe. Discard these two items.
- Clean up any residual pipe thread adhesive that remains on the tank fitting.



**Figure 4**

## **Installing new valve**

- Apply Teflon tape to the threads of the new reducing bushing and threaded pipe.
- Screw the threaded pipe into the reducing bushing. *See figure 5*
- Attached the reducing bushing to the tank fitting. Be careful not to over tighten.
- Using a pliers or pipe wrench, tighten the threaded pipe to the reducing bushing.
- Screw on the valve body to the threaded pipe. *See figure 6*
- Either reattach the old drain hose or install the new drain hose.
- Attach the new coil/timer and attach the new knurled knob. *See figure 7.*
- Attach the power cable from the coil.

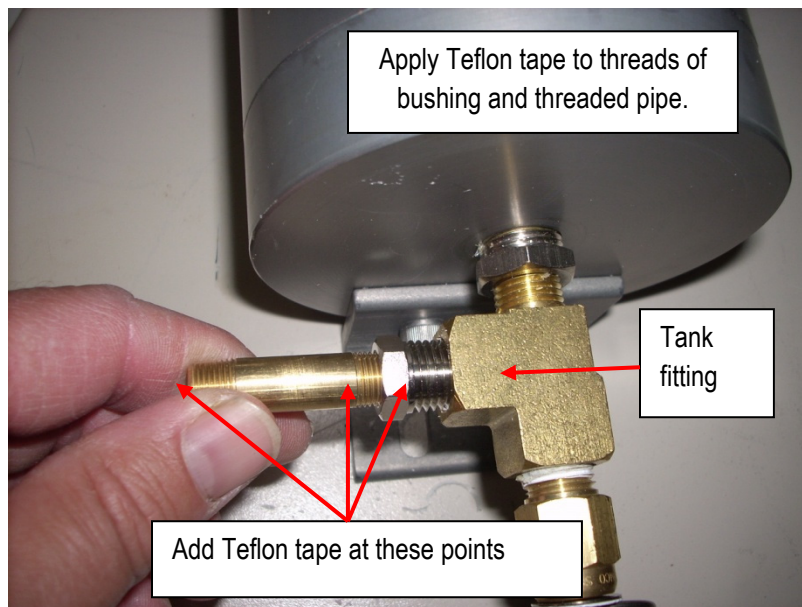
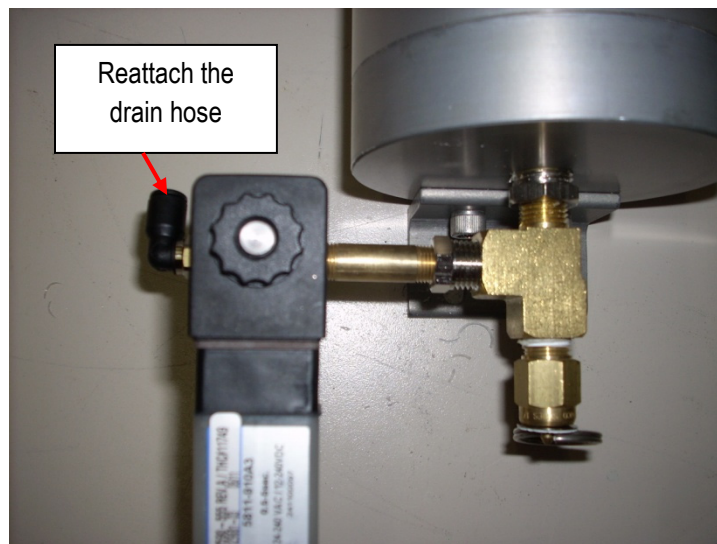


Figure 5



Figure 6



**Figure 7**

## Final work

- If new drain hose was used, thread it through the back of the machine to the drain.
- Put SSG back in the DSD EDGE. Be aware of the power plug in the back of the SSG; make sure it does not become disconnected. Reinsert the four mounting screws.
- Insert the bottle drawers and bottles.
- Power up the unit.
- Pull drawer out for easier access to the manual purge valve. Allow air tank to fill up and pull ring. Repeat several times until satisfied with the operation.
- Run test cycles.
- All of the old parts should be scrapped. They are not interchangeable with the new style valve.

If you have any questions regarding the contents of this Technical Bulletin, please contact Medivators Technical Support at 1-800-444-4729.