

MOMENTUM DESCALING PROCEDURE

This procedure describes the step-by-step process for properly descaling the VKI Eccellenza Momentum

Tools Needed

- ◆ Key to Main Door
- ◆ Phillips Screwdriver
- ◆ Soft Bristle Brush
- ◆ Urnex Liquid Dezcal: **UPC: 754631603450**
- ◆ 8mm Outlet Valve Parts: **SAP# 5000364271 (U.S.)** **ERP# 76-39288 (Canada)**
- or 8mm Outlet Valve Assembly: **SAP# 5000364330 (U.S.)** **ERP# 76-39325 (Canada)**
- ◆ 14mm Outlet Valve Assembly: **SAP# 5000348775 (U.S.)** **ERP# 76-38434 (Canada)**



Powering Down Unit



Turn power **OFF** to unit

Power can be switched off to unit from the Main Power Switch at the rear of the machine (see Fig. 1)



Fig. 1



Disconnect Power Cord

Disconnect the Power Cord from the wall outlet (see Fig. 2)

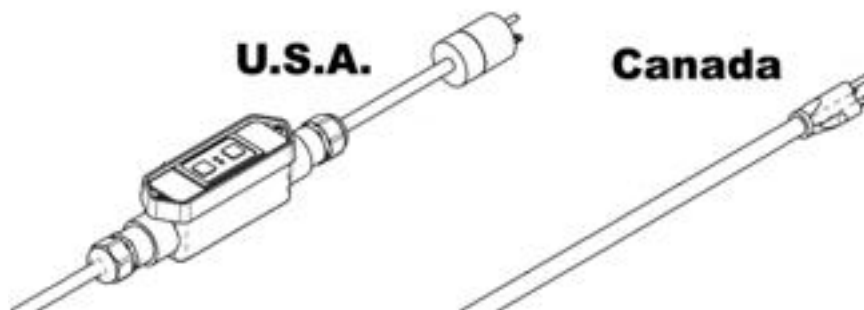


Fig. 2

Opening Main Door

Remove Waste Bin (see Fig. 3)

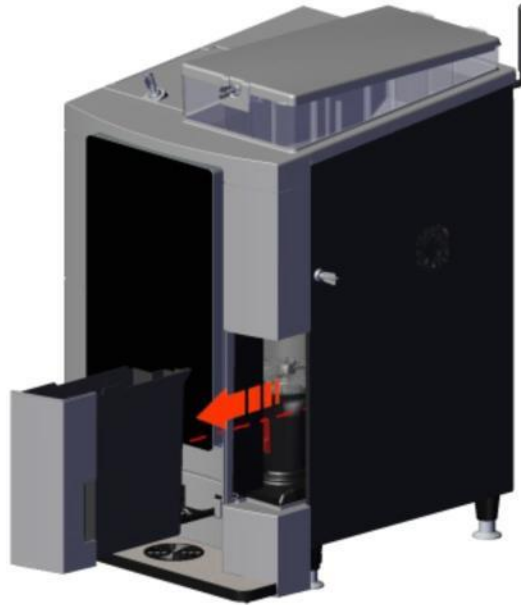


Fig. 3

Use Key and turn to position #3 to unlock and open the Main Door (see Fig. 4)



Fig. 4

Draining the Brewer

Locate Drain Tube on Main Door and remove it from its clip (see Fig. 5)



Fig. 5

To drain Hot Water Tank, place Drain Hose inside a container and open Valve (see Fig. 6)



CAUTION:

WATER MAY BE EXTREMELY HOT AND CAN CAUSE SEVERE BURNS



Fig. 6

Removing the Whipper Chambers

Disconnect the Outlet Hoses (see Fig. 7)

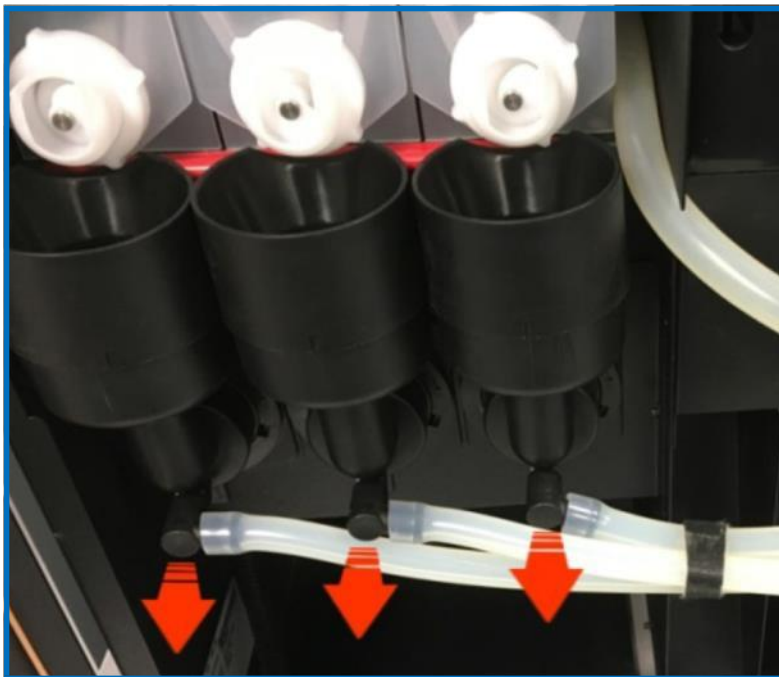


Fig. 7

Turn the lever on the Locking Ring to the right until it stops (see Fig. 8)



Fig. 8

Removing the Whipper Chambers (cont.)

Remove the Whipper Chamber and the Steam Trap from the Locking Ring (see Fig. 9)

**Disengage it from the Powder Drawer and Inlet Fitting evenly*

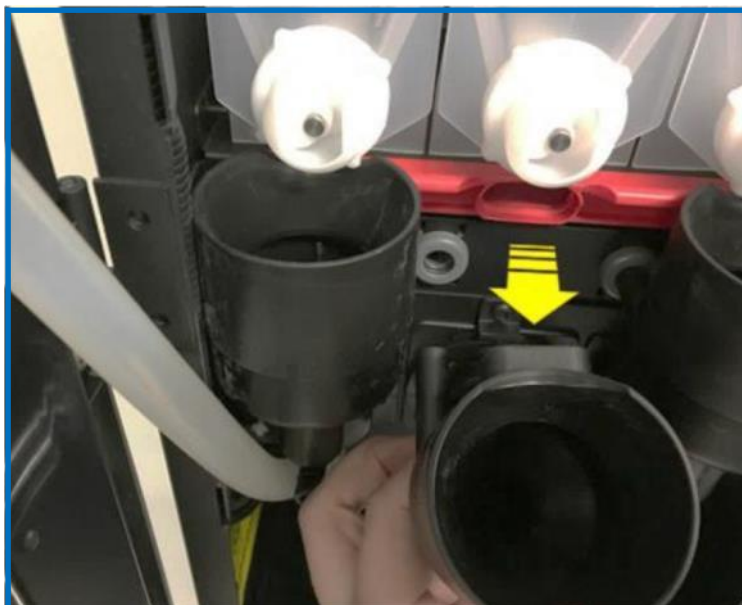


Fig. 9

Removing the Powder Drawer

With all of the Whipper Chambers removed, remove the red Powder Drawer located beneath the Powder Hoppers (see Fig. 10)

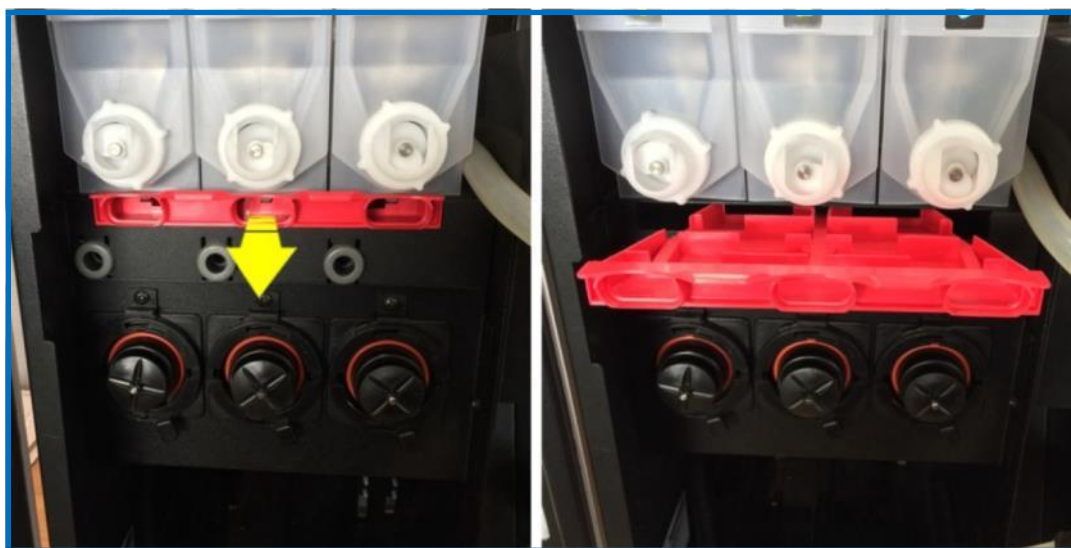


Fig. 10

Removing the Powder Hoppers

Unlock (*if locked*) with Key and open the Main Powder Lid then remove the three individual Powder Hopper Caps (*see Fig. 11*)

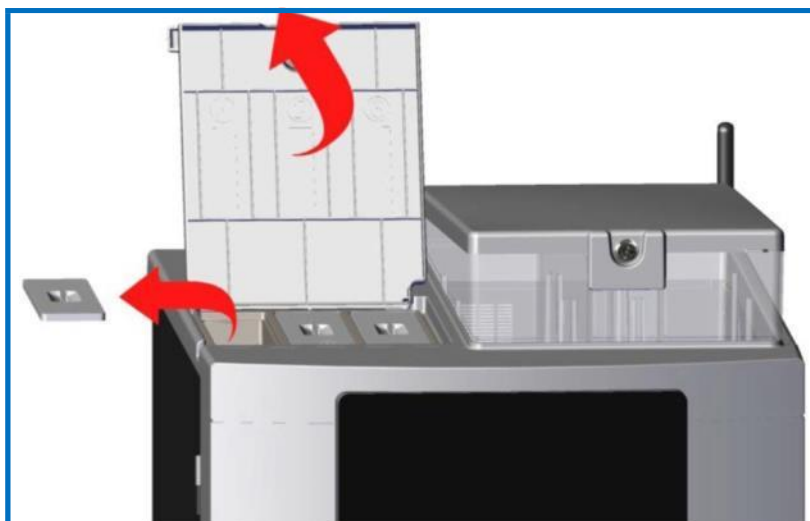


Fig. 11

Lift the front of the Powder Liner and remove it (*see Fig. 12*)



Fig. 12

Removing the Powder Hoppers (cont.)

Lift the front of the Powder Hopper and pull it forward away from the unit (see Fig. 13)

**Remove hopper #2 first to facilitate this maneuver*

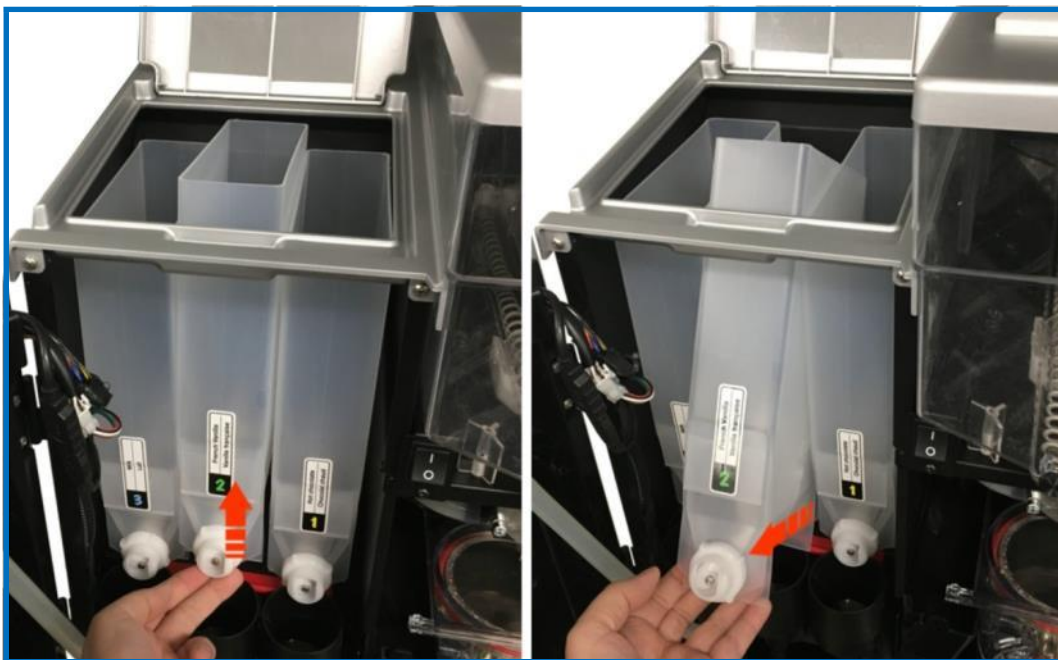


Fig. 13

Removing the Coffee Hopper

Locate and remove the two screws below the Coffee Hopper (see Fig. 14)

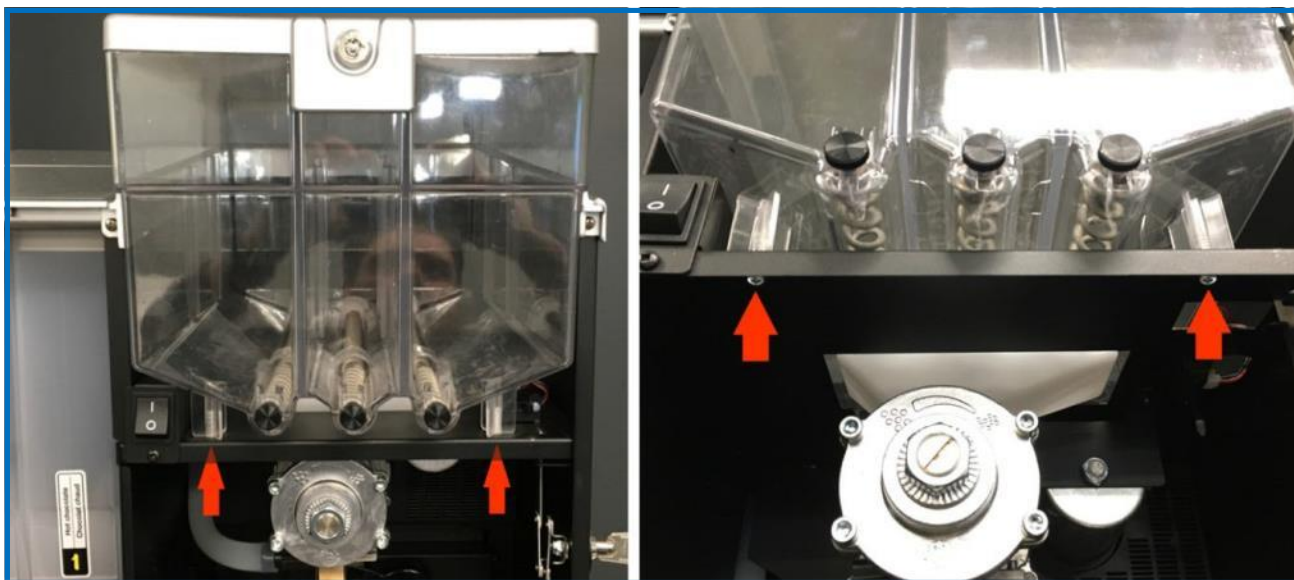


Fig. 14

Removing the Coffee Hopper (cont.)

Lift the front of the Coffee Hopper and pull it away from the Ingredient Motors at the rear to remove it from the machine (see Fig. 15)

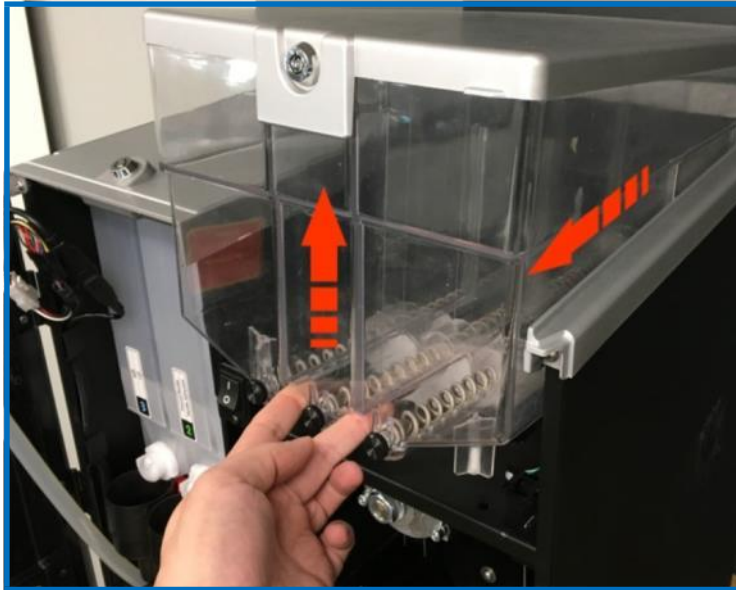


Fig. 15



Ensure that the hard Rubber Seal on top of the Grinder remains in place and does not fall off (see Fig. 16)



Fig. 16

Removing the Top Main Cover

Locate and remove the three screws to the Main Cover (see Fig. 17)

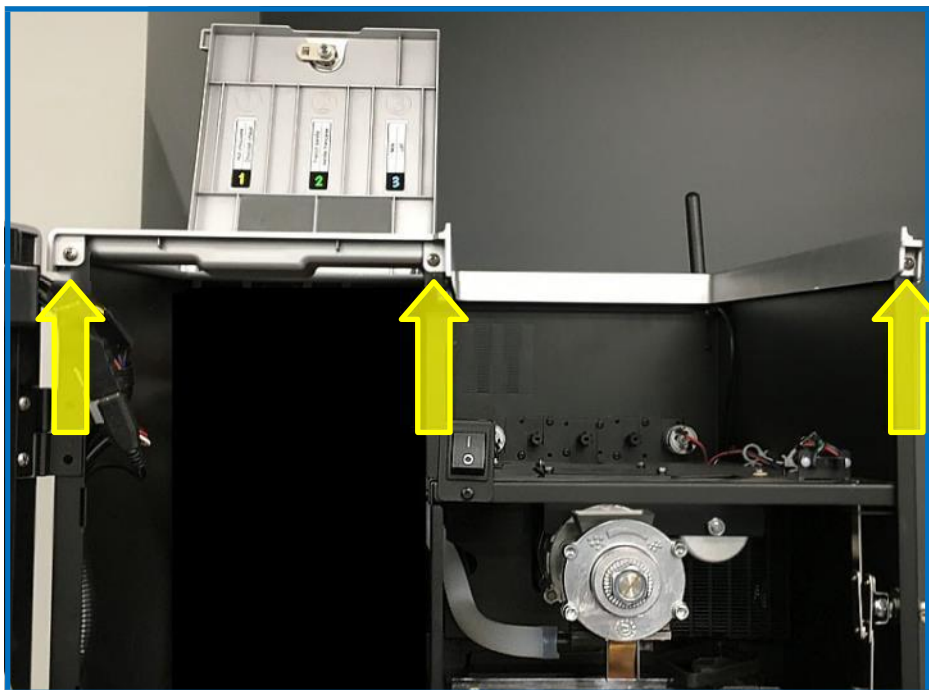


Fig. 17

Carefully lift and remove the front of the Main Cover (see Fig. 18)

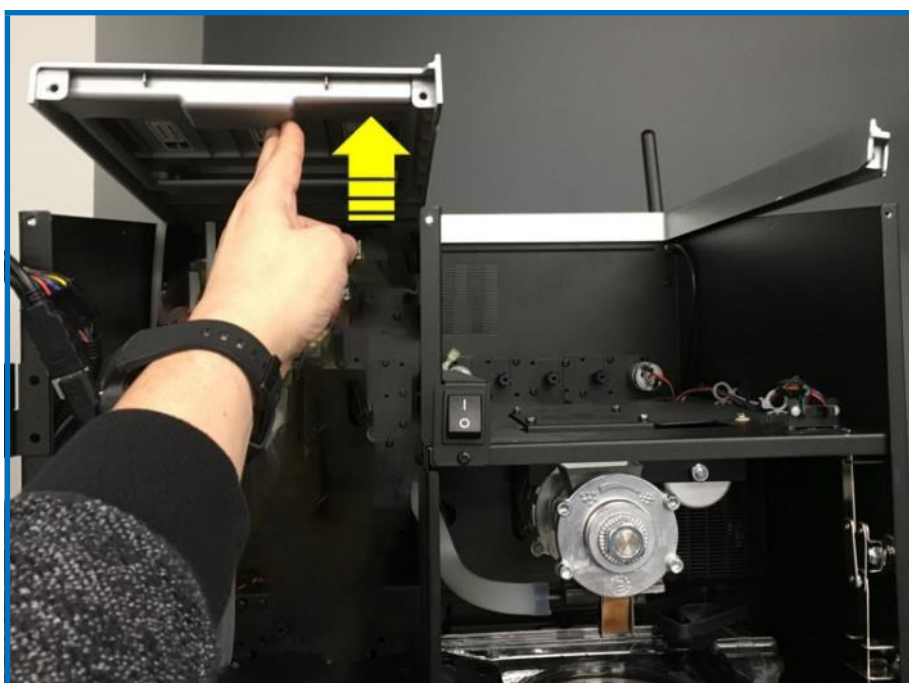


Fig. 18

Accessing the Hot Water Tank

Once Powder System and Top Main Cover are removed, loosen the lower screw and fully remove the upper screw, then lift and remove the Valve Cover (see Fig. 19)

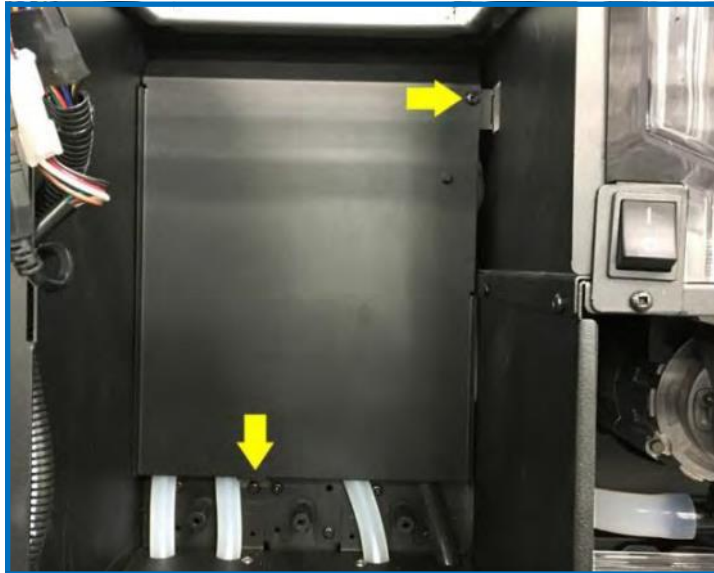


Fig. 19

Removing the Hot Tank Lid

Remove the Outlet Valve Vent Tubes (*red circle*), disconnect Temperature Probe harness (*green arrow*), disconnect wiring to Water Level Probes (*yellow arrows*) and Heating element (*blue arrows*) (see Fig. 20)

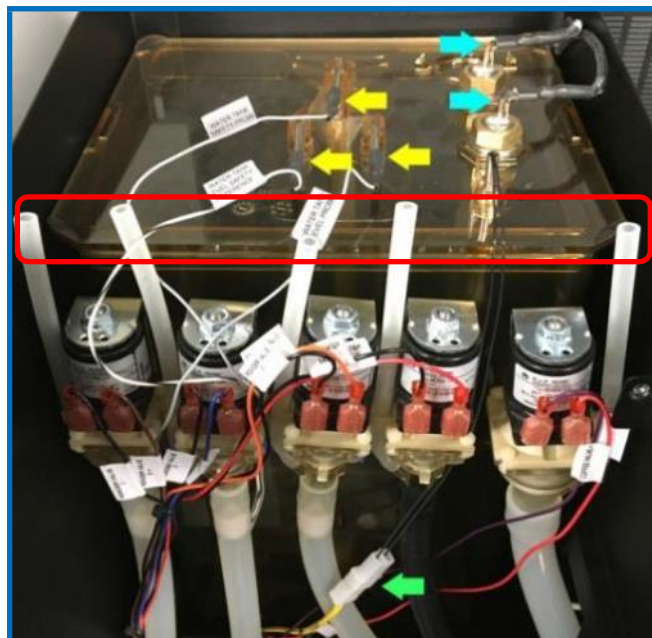


Fig. 20

Removing the Hot Water Tank Lid

Lift Hot Tank Lid up and out from Hot Tank (see Fig. 21)

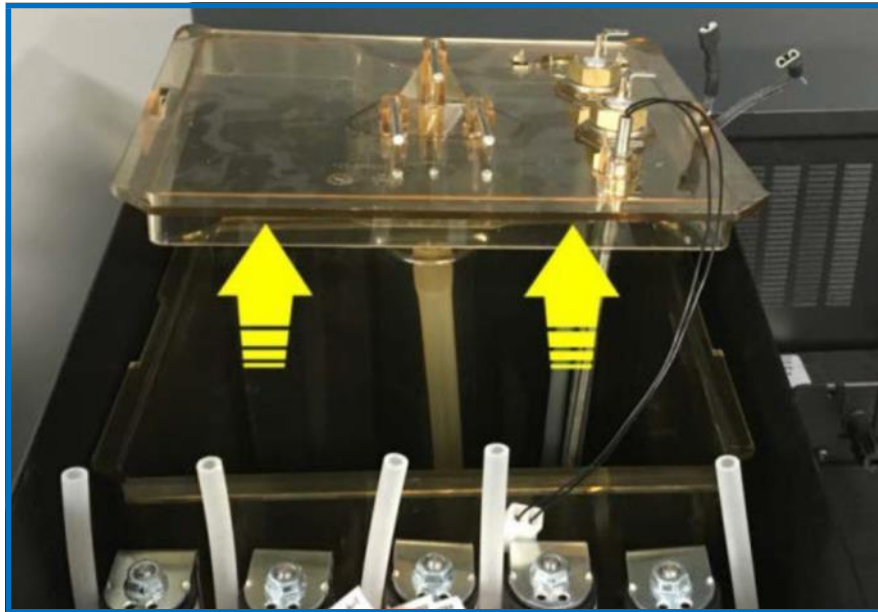


Fig. 21

Descaling

Create a 2-gallon, 1:10 ratio of Urnex Liquid Dezcal to water in the Hot Tank

Let sit for up to 30 minutes

**Some agitation may speed process*

UPC: 754631603450 (search UPC online for distributors)



Descaling

Carefully lower Hot Water Tank Lid into Hot Tank into descaling solution and let stand for an additional 10+ minutes (see Fig. 22)

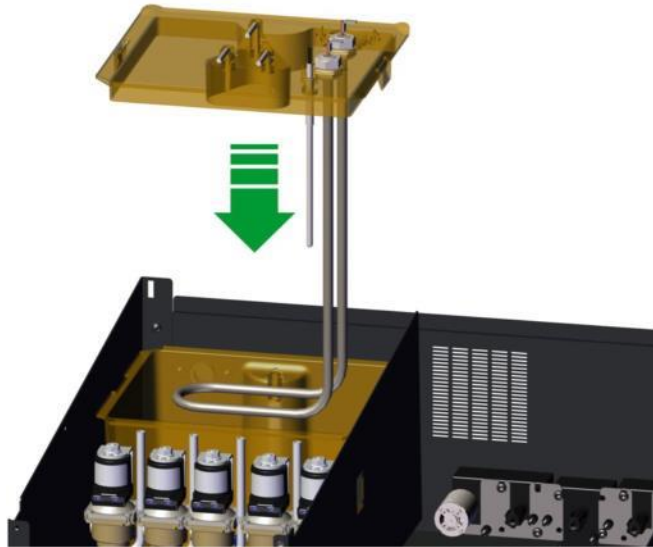


Fig. 22

Draining

Carefully open Valve on Drain Tube and drain the Hot Water
Refill and drain the water tank one more time.

****Make sure Valve is closed fully before stowing***



Reassembling the Water Tank Lid

Lift Tank Lid and dry off Water Level Probes (see Fig. 23)

**Drying off Water Level Probes helps to avoid false indications*



Fig. 23

Lower Tank Lid and reconnect all wires (see Fig. 24)

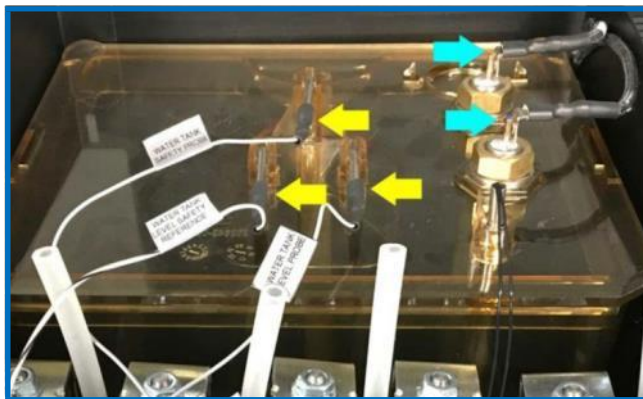


Fig. 24



**Ensure that the Water Levels Probes are correctly matched (see Fig. 25)*

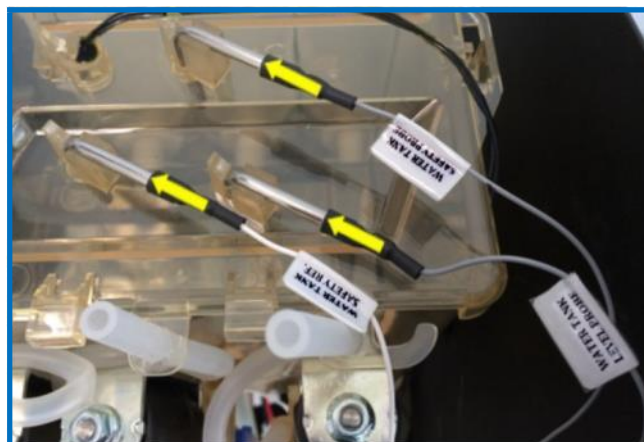
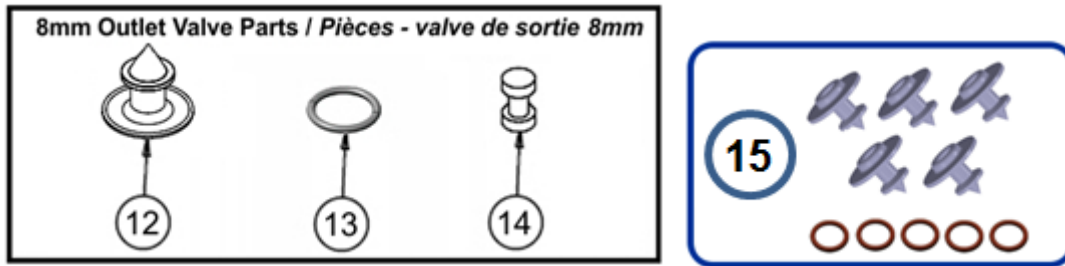


Fig. 25

Rebuilding the Outlet Valves

Rebuild Kits for the 8mm Outlet Valves



#12 - Diaphragm – Outlet Valve:	SAP# 5000348767 (U.S.)	ERP# 76-38426 (Canada)
#13 - O-Ring – Outlet Valve:	SAP# 5000348769 (U.S.)	ERP# 76-38428 (Canada)
#14 - Clip – Outlet Valve:	SAP# 5000348768 (U.S.)	ERP# 76-38427 (Canada)
#15 - Water Tank Maintenance Kit:	SAP# 5000364271 (U.S.)	ERP# 76-39288 (Canada)
8mm Outlet Valve Assembly:	SAP# 5000364330 (U.S.)	ERP# 76-39325 (Canada)
14mm Outlet Valve Assembly:	SAP# 5000348775 (U.S.)	ERP# 76-38434 (Canada)

One Outlet Valve at a time working from left to right; disconnect the two wires,
grab the Valve body and pull straight out
You may need to twist to help loosen it (see Fig. 26)



- ❶ = Powder 1
- ❷ = Powder 2
- ❸ = Powder 3
- ❹ = Hot Water
- ❺ = Coffee*

*no replacement parts are available for the 14mm valve. Either clean internal valve components or replace the 14mm outlet valve.

Fig. 26

Rebuilding the Outlet Valves

Disassemble valve and replace diaphragm (**8mm valve only**)

Remove the four Clips holding the Valve Body to the Solenoid (see Fig. 27)



Fig. 27

Carefully remove the Diaphragm from the Valve Stem (see Fig. 28)



Fig. 28



Fig. 29

Install **NEW** Diaphragm making sure that Diaphragm is pushed all of the way down

**Failure to completely seat diaphragm will result in non-function of valve (see Fig. 29)*



Ensure that **ALL** scale has been cleaned and removed from Valve Body prior to re-assembly

Re-installing the Outlet Valves

Re-install Outlet Valves as shown (see Fig. 30)
*Pay attention to larger Coffee Outlet Valve on right

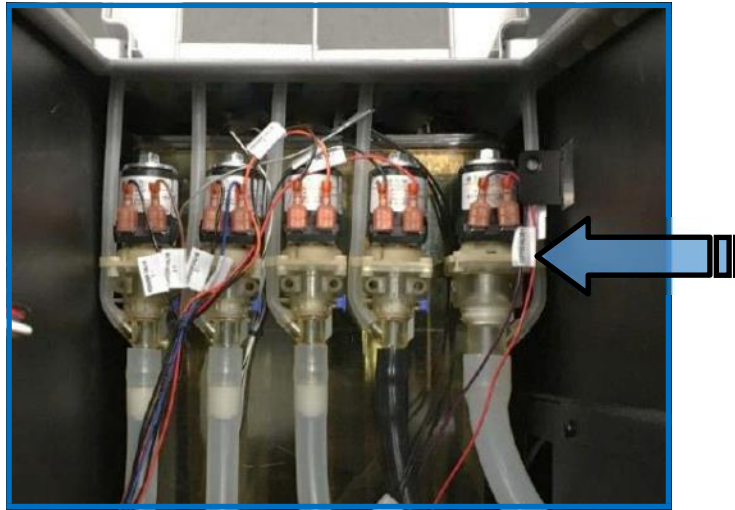


Fig. 30

Re-installing Valve Cover

Re-install Valve Cover with two screws as shown (see Fig. 31)

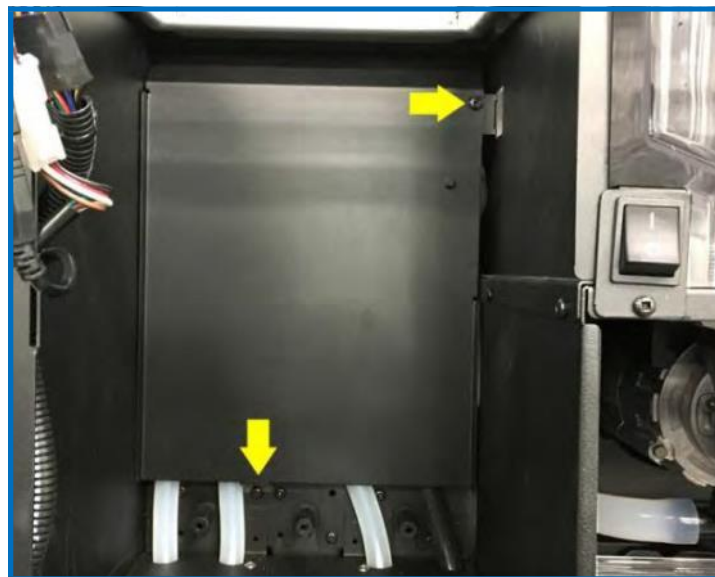


Fig. 31

Re-installing the Top Cover

Slide Top Cover back and hook on to rear slots first
Secure with the three front screws (see Fig. 32)

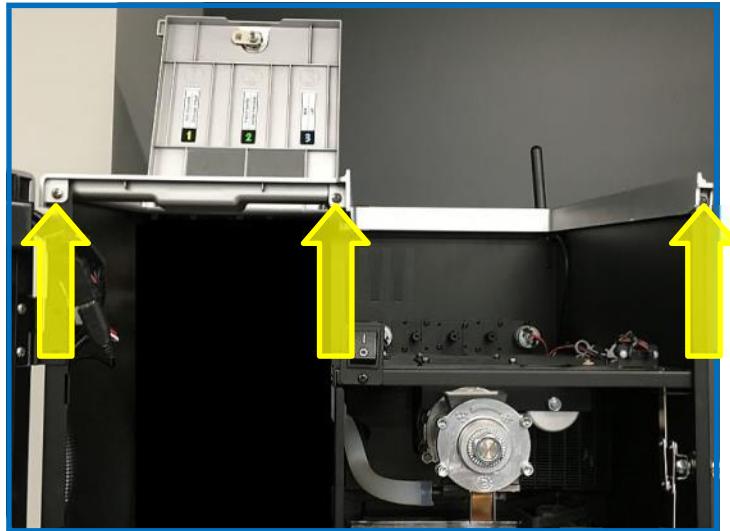


Fig. 32

Re-installing the Coffee Hopper



**Ensure that the hard Rubber Seal on top of the Grinder
Prior to installing Coffee Hopper (see Fig. 33)**



Fig. 33

Re-install Coffee Hopper by lowering and
sliding back until it's seated properly
with the Motors (see Fig. 34)

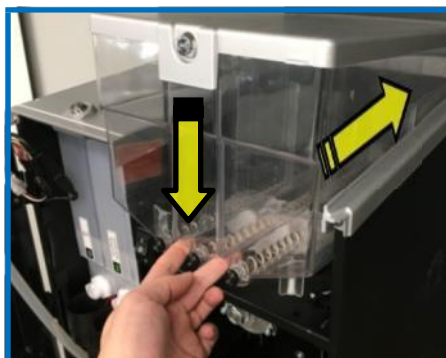


Fig. 34

Re-installing the Coffee Hopper

Carefully tighten the two screws securing Coffee Hopper to Support (see Fig. 35)

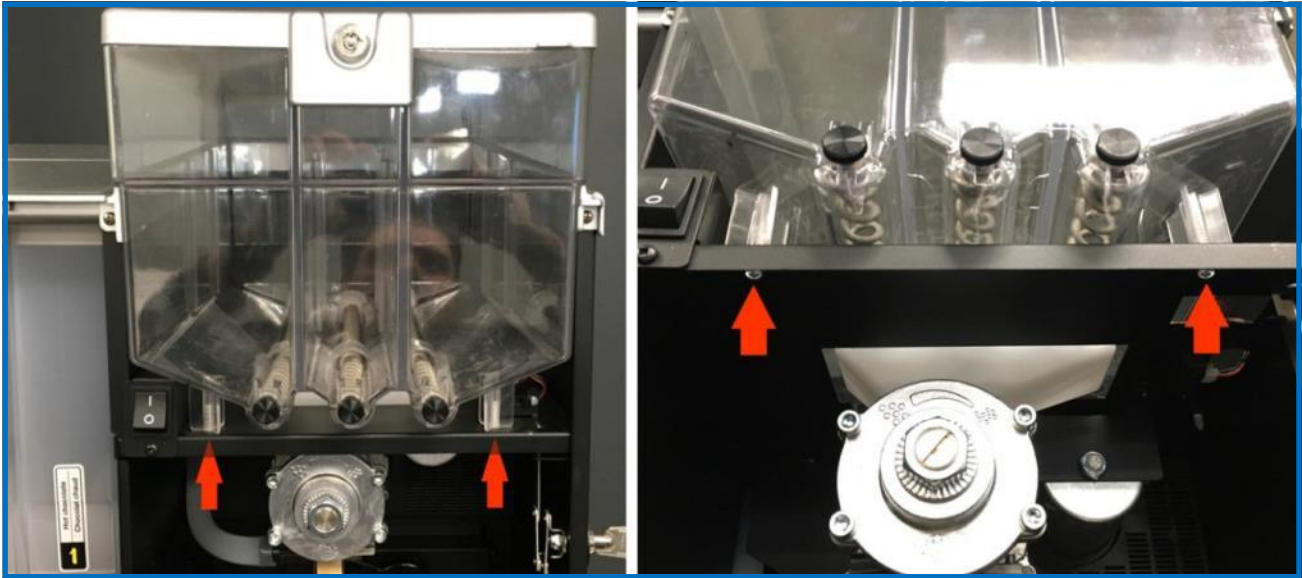
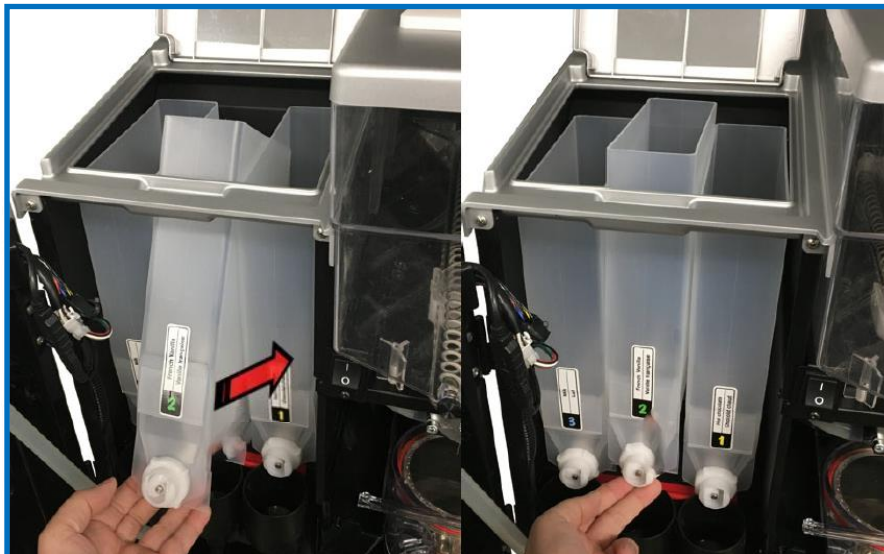


Fig. 35

Re-installing the Powder Hoppers

Re-install the Following:

Powder Hoppers

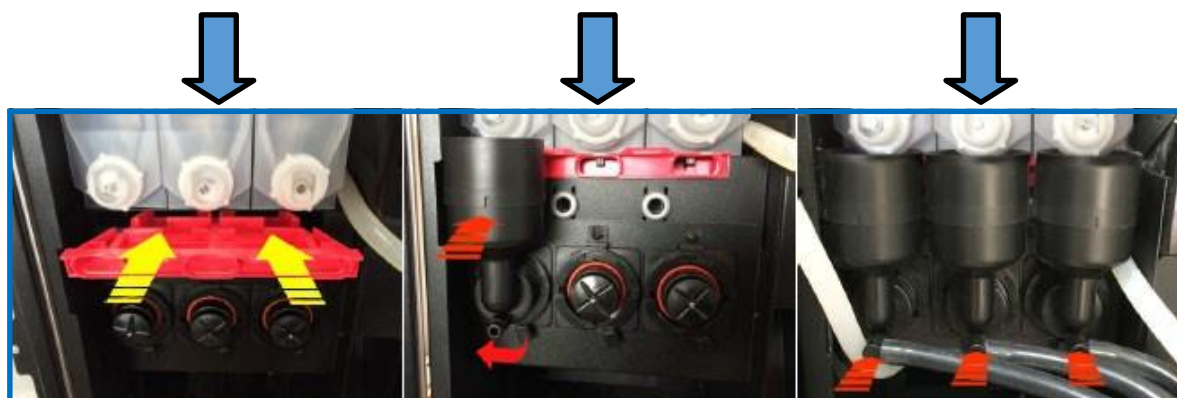


Re-installing the Powder Hoppers (cont.)

Red Powder Drawer

Mixing Chambers

Tubes to Mixing Chambers



Carefully re-install Powder Hopper Liner and Powder Caps

**Start from one side and work to other being careful not to damage (see Fig. 36)*



Fig. 36

Power Up and Test

Reconnect the power cord to the wall outlet and power up the unit using the Power Switch (see Fig. 37)

**Allow unit to fill with water and fully come to operating temperature*



Fig. 37

Close the Main Door (see Fig. 38)

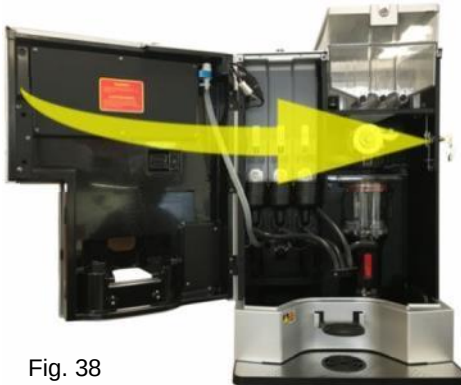


Fig. 38

Use Key and turn to position #2 to lock the Main Door (see Fig. 39)



Fig. 39

Re-install Waste Bin (see Fig. 40)



Fig. 40



Once unit is up to operating temperature perform both a Powder Rinse & Brewer Rinse per procedures.

PROCEDURE COMPLETE!

If you have any questions please contact KDRP Technical Support:

U.S.A. – 1-888-287-2739 option 5 FIELD_SERVICE_TEAM-Keurig@kdrp.com

Canada – 1-888-854-0207 tech.support@kdrp.com