

Preventative Maintenance Manual – Salute RDX

Preventive Maintenance

Preventive maintenance should be carried out every 12 months

Replace Air filter every 3 months.

Replace Synchronous timer and valve set every 18 months.

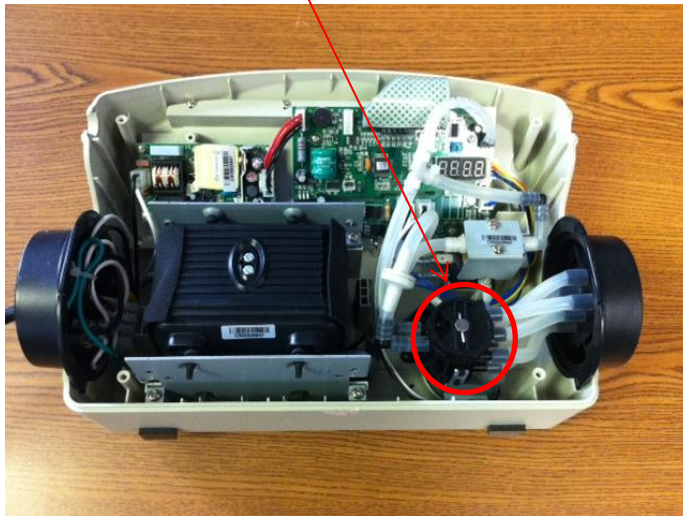
Grease the mechanical valve every 12 months.

Check:

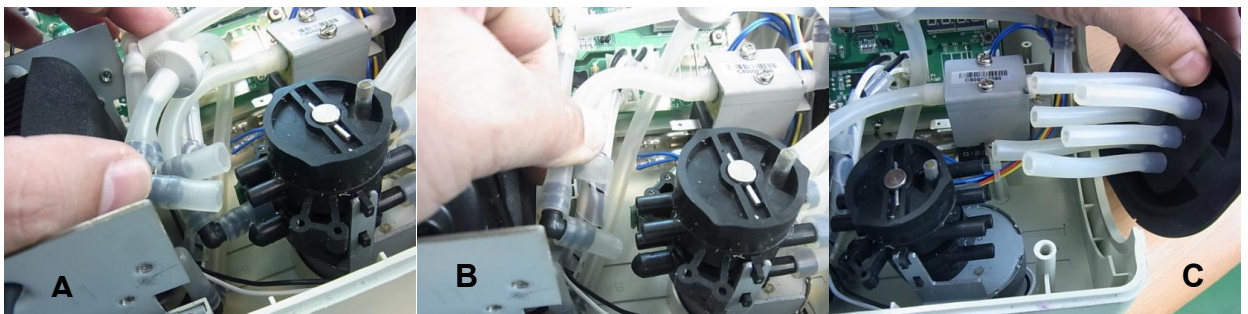
- a) Case is free from debris
- b) Compressor is seated properly in its housing
- c) Electrical connections are secure and completely insulated
- d) Pneumatic tubes are completely secure on compressor and rotary valve and are free from kinks
- e) Wiring to printed circuit board (PCB) is intact
- f) Outlet tubes and connectors are secure and fitted correctly

Remove, service and re-install synchronous timer and rotary valve module

- a) Identify the timer & valve module



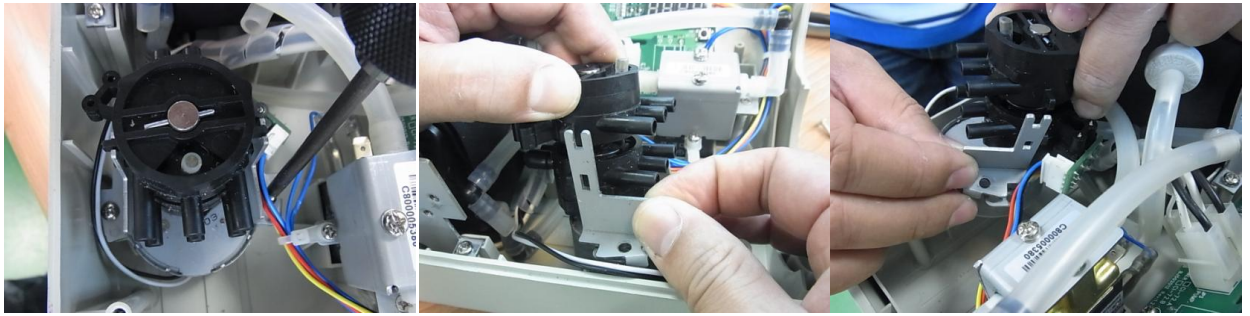
- b) Disconnect pneumatic tubing from the three components - a. valve to compressor b. valve to solenoid/sensor c. valve to pump outlet



- c) Unscrew and remove two screws. Remove left and right metal fixtures.

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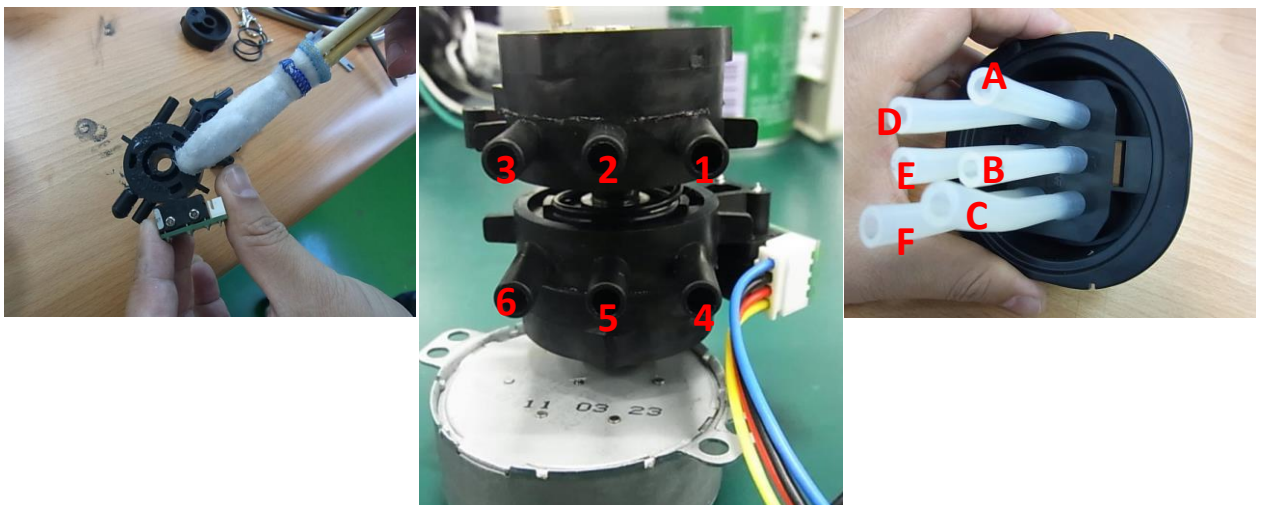
Disconnect the wiring from the timer.



d) Use a needle-nose plier to remove the pin by pressing the valve. Remove round valve and spring. Separately wipe and clean the upper and lower valve.



e) Grease (use an inert grease such as lithium grease) and replace or assemble components in the reverse order of removal. Blue wiring is on the top. When replacing tubing please see diagram below and connect outlet tube A to valve port 1, outlet tube B to valve port 2, etc. A \ B is 6 cm tubing. D \ E is 7cm tubing. C \ F is 8cm tubing.



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Resetting the Service Light

When the pump reaches 6000 hours of use, the service alarm will trigger. To reset the service light, open the case and locate the time counter on the main PCB. Below the right hand corner is a small black reset button. Press and hold for 5 seconds to reset the service hour counter and service alarm.



Test Pressure and Air Flow

(Note: After you have serviced the valve, you may test the pressures if you have a mercury manometer and testing bags. That procedure follows here. If you do not have this testing set up or comparable manometer, you may hook the pump up to a mattress and run it through the static/alternating, max inflate and Happy Heel modes to ensure that valve is working properly.)

- a. Prepare the testing-bags and mercury meter to test the pressure. Pressure readings should be taken after the unit has warmed up. Test bags should not be installed during the warm up.
- b. Connect the testing-bags to the outlet and pressure gauge.



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c. Under Static mode, test pressure at P8.

Manometer A = 47 mmHg (+/-6)

Manometer B = 47 mmHg (+/-6)

Manometer C = 47 mmHg (+/-6)

Switch on the main power. Standby light on and press power button. Press “+” to P8 and switch to Static mode. Check the pressure reading is within 41 to 53mmHg.



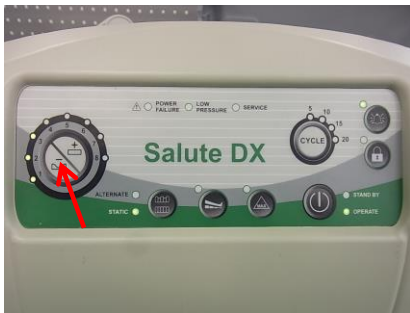
d. Under Static mode, test pressure at P1.

Manometer A = 12 mmHg (+/-6)

Manometer B = 12 mmHg (+/-6)

Manometer C = 12 mmHg (+/-6)

Press “-“ to P1 and switch to Static mode. Check the pressure reading is within 6 to 18 mmHg



e. Air flow

Flow meter ≥ 6 LPM

Connect the air-flow test kit to the middle at lower line outlet. Open the air flow gauge. Check the air flow is over 6 LPM.

