

VMS™, VMS Plus™ and VMC™ Maintenance Kit [91303015]

Components:

Disc.....2	Back Up Ring 1
Large O-Rings2	Tubing 1
Small O-Rings3	Breathing Circuit 1
Dome.....2	Upper Gasket 1
Y - Connector 1	Lower Gasket..... 1
Diaphragm 1	Reservoir Bag 1

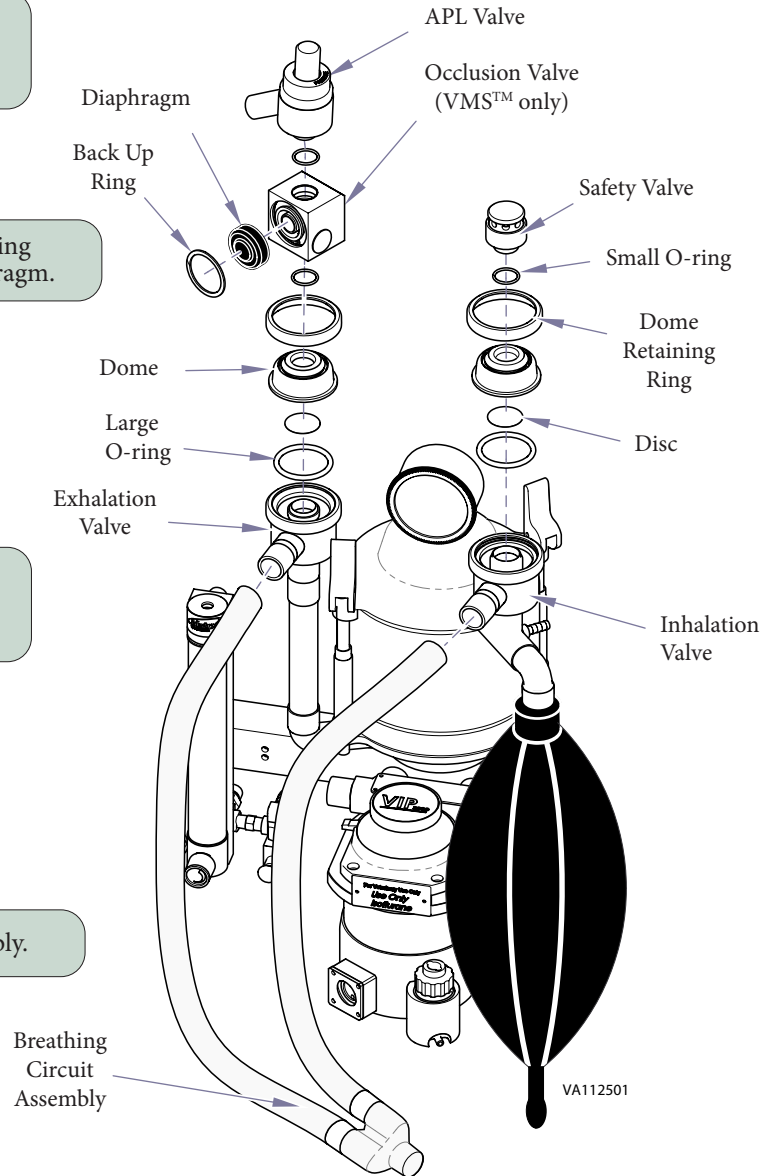
Step 1: Unscrew APL, Occlusion (VMS™ only) and Safety valve. Replace small o-rings.

Step 2: Remove back up ring and replace diaphragm.

Step 3: Remove domes on inhalation and exhalation valves. Replace discs and large o-rings.

Step 4: Replace new domes on valves. Screw APL, Occlusion (VMS™ only) and Safety valves onto domes.

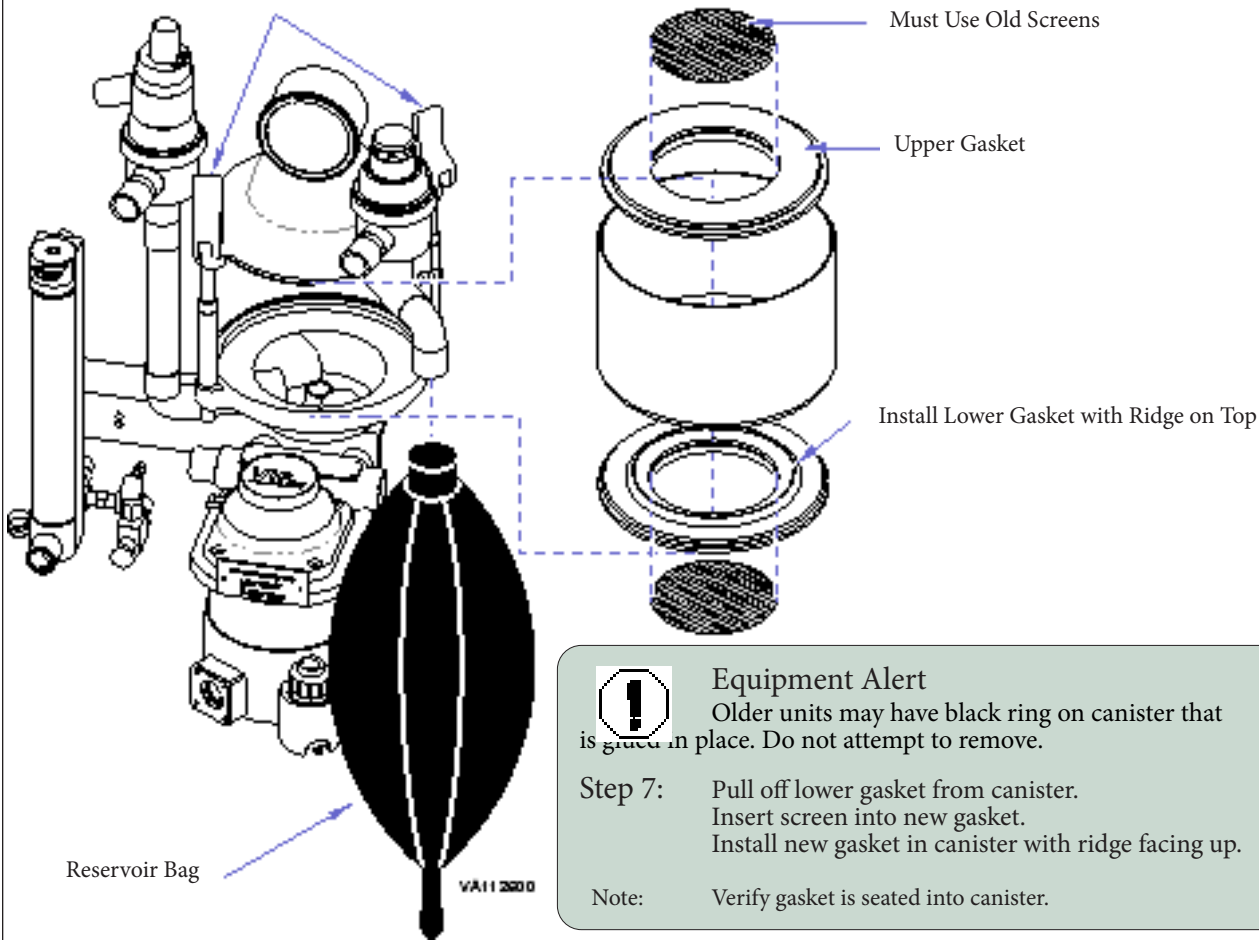
Step 5: Replace breathing circuit assembly.



Step 6: Unlatch absorber, then slide canister out and remove absorbent. Pull out the upper gasket from upper housing and remove screen. Insert screen into new gasket. Install new gasket into upper housing with lip facing up.

Note: Verify gasket is seated into upper housing.

Absorber - Canister Latches



Equipment Alert

Older units may have black ring on canister that is glued in place. Do not attempt to remove.

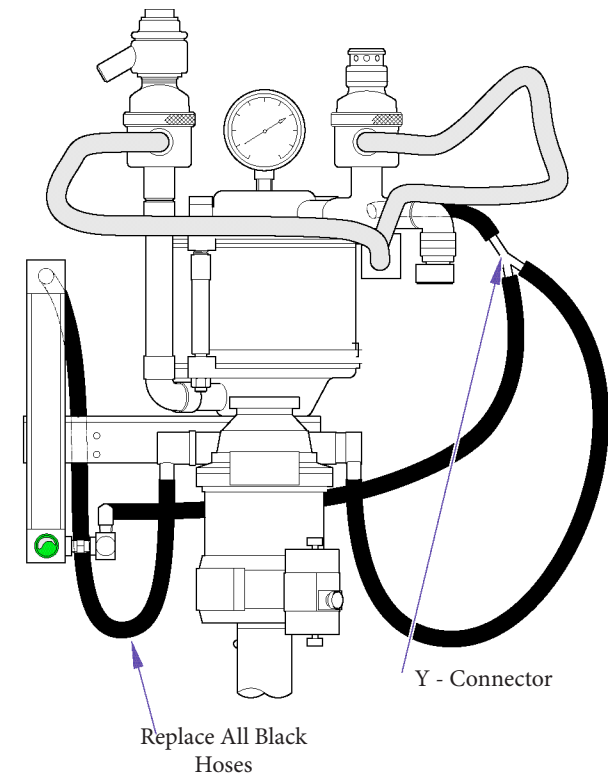
Step 7: Pull off lower gasket from canister. Insert screen into new gasket. Install new gasket in canister with ridge facing up.

Note: Verify gasket is seated into canister.

Step 9: Remove reservoir bag.

Step 8: Install canister back into unit.

Step 10: Remove all hoses and Y-connector. Cut new hose to sizes needed. Install Y-connector and hoses.



Step 11: Perform leak test.

Note: Leak test procedure is on next page.

Leak Test

Veterinary Anesthesia Machine

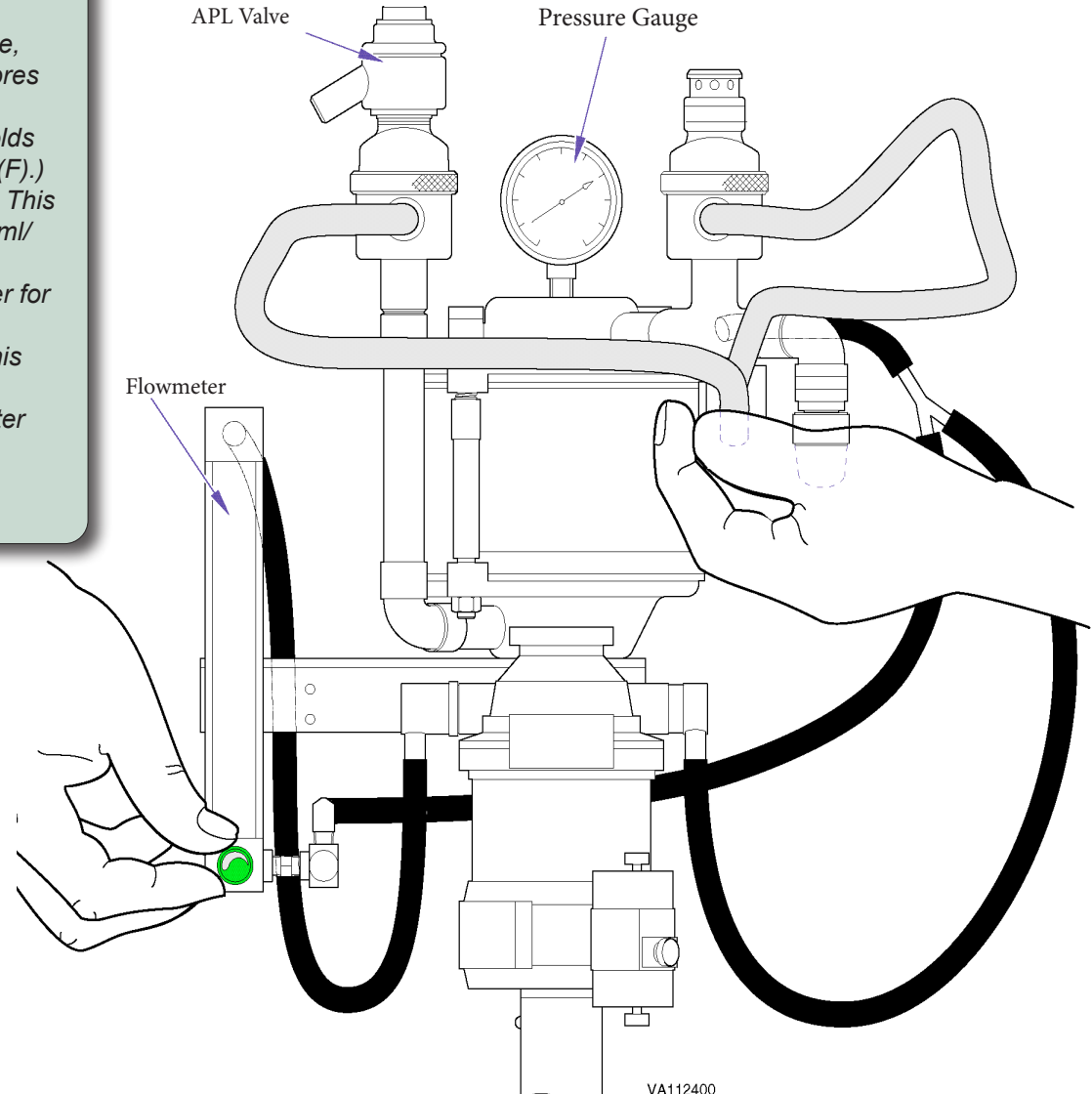


WARNING

Do not activate the oxygen flush during any part of this leak test.

To perform leak test...

- A) Close APL (Scavenging /Adjustable Pressure Limiting) valve by turning knob clockwise.
- B) Place thumb over patient connection of breathing circuit Y.
- C) Remove breathing bag and cover bag port opening. (Use palm of hand that is covering Y.)
- D) With oxygen (50-55 PSI [3.4-3.8 Bar]) supplied to anesthesia machine, slowly open flowmeter to register 30cm H₂O on anesthesia machine pressure gauge.
- E) Turn off flowmeter when pressure reaches 30cm H₂O. (If pressure holds steady the system is leak free but if pressure drops, proceed to step (F).)
- F) Slowly open flowmeter until pressure stabilizes at 30cm. H₂O setting. This determines the magnitude of the leak. If leak rate is greater than 300ml/min; proceed to step (G).
- G) Refer to Anesthesia Machine Owners Manual or contact manufacturer for corrective actions.
- H) Replace reservoir bag. Repeat step (B) and steps (D) through (F). This will determine the integrity of breathing bag.
- I) Open APL Valve at end of Leak Test Procedure by turning knob counter clockwise.



VA112400

