Basic Operational Overview

**IMPORTANT:** Machine needs at least 115psi of air to operate.

**SUCTION WAND PROCEDURE:**
1. Connect Wand Adapter to Black Service Hose & open Ball Valve.
2. Turn Overflow Valve on back of machine to “Normal Service Position”.
3. Turn Right Dial to “Vacuum/Drain Waste” position.
4. Flip Switch to “Air On” position to start.
5. Flip Switch to “Off” position when finished.

**REMOVE & FILL PROCEDURE:**
1. Make sure vehicle is turned off, but at operating temperature.
2. Turn Overflow Valve on back of machine to “Normal Service Position”.
3. Connect Wand Adapter to Black Service Hose, open Ball Valve, flip Switch to “Air On” position and Right Dial to “Vacuum/Drain Waste” position to remove waste fluid from overflow bottle.
4. When overflow bottle is empty, flip Switch to “Off” position.
5. Remove radiator cap.
6. Connect Cone Adapter to Black Service Hose.
8. Flip switch to “Air On” position.
9. Open Ball Valve on Black Service Hose.
10. Insert Cone Adapter into radiator, making sure the tip of the cone is submerged.

HINT: If servicing from bottle, insert a hose into the cone long enough to reach near the bottom of the bottle (hose not supplied).

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11. Wait until no more waste fluid is being removed.
12. Turn Right Dial to desired fluid type to fill the radiator making sure you don’t break the vacuum seal between the rubber cone & the radiator.
13. Flip switch to “Off” position after fluid is removed.
14. Wait until new fluid stops entering radiator & remove Cone Adapter.
15. Top off radiator if needed (see “Top-off Procedure”).
16. Refill overflow bottle & replace radiator cap.

**TOP-OFF PROCEDURE:**

1. Connect Wand Adapter to Red Service Hose.
2. Make sure Ball Valve is closed.
3. Turn Left Dial to desired fluid type.
4. Flip Switch to “Pump On” position.
5. Open Ball Valve at the end of the Red Service Hose to regulate fluid flow.
6. Flip Left Dial and Switch to “Off” position when finished.

**DRAIN TANKS PROCEDURE:**

**DRAIN WASTE TANK**

1. Turn Right Dial to “Vacuum/Drain Waste” position.
2. Attach Wand Adapter to Black Service Hose.
3. Turn Overflow Valve on back of machine to “Drain Waste Tank Position”.
4. Open Ball Valve on Black Service Hose and place into waste container.
5. Flip Switch to “Air On” position to drain waste tank.
6. When finished draining, remove Service Hose from waste container, and close Ball Valve.
7. Flip Switch to “Off” position.
8. Turn Overflow Valve on back of machine to “Normal Service Position” to release air pressure from waste fluid tank.

**NOTE:** Coolant may splash out while air pressure is being released. Keep hands and face away from the overflow bottle.