# Cavitron® JET Plus™ Troubleshooting and Analysis, continued

This troubleshooting section is meant for use by qualified Cavitron® Service Technicians.

| SYMPTOMS | CAUSES | CORRECTIVE MEASURES |
|---|---|---|
| Intermittent scaling power or no scaling power.<br><br>(Continued) | 9. Foot Control malfunction. | 9. Connect the auxiliary Foot Control cable between the Foot Control and the unit. If the unit will not operate with the auxiliary cable connected, replace the Foot Control. Follow the Cavitron® JET Plus™ Directions for Use and Service Manual instructions for Foot Control synchronizing. |
| Handpiece heats up. | 1. Insufficient water to cool handpiece.<br><br>2. Air trapped in the handpiece.<br><br>3. Insert water passageway clogged.<br><br>4. Handpiece cable not supported during procedure.<br><br>5. Worn insert being used. | 1. Increase the setting on the handpiece lavage control until handpiece runs cool.<br><br>2. When the inserts are changed, hold the handpiece in an upright position until the trapped air is removed and the water flows properly.<br><br>3. Replace the Cavitron® insert and check operation.<br><br>4. Loop handpiece cable around arm or support with finger to prevent water restriction.<br><br>5. Replace with a new Cavitron® insert. Worn inserts require higher power settings producing more heat. |
| Insert vibrates but no water or insufficient water flows from the handpiece. | 1. Low incoming dental office water pressure.<br><br>2. Water filter clogged.<br><br>3. Handpiece cable water tubing and wires twisted.<br><br>4. Damaged handpiece cable Flow Control.<br><br>5. Obstruction or mineral deposits in the water system in the unit. | 1. Measure water pressure at dental office. Adjust incoming source water pressure to specification. Water pressure should be 20-40 psi.<br><br>2. Replace the water filter when discolored or restriction occurs.<br><br>3. Remove restriction if possible or replace handpiece cable assembly.<br><br>4. Replace handpiece cable assembly.<br><br>5. a. Remove the insert and turn the water valve full open. Observe the water flow. If the flow is good then the obstruction is in the insert.<br><br>b. If the obstruction is not in the insert, then remove the handpiece water line at solenoid and check the water flow. If flow is good, then the obstruction is in handpiece supply line. |

# Cavitron® JET Plus™ Troubleshooting and Analysis, continued

This troubleshooting section is meant for use by qualified Cavitron® Service Technicians.

| SYMPTOMS | CAUSES | CORRECTIVE MEASURES |
|---|---|---|
| No water flow from handpiece with no insert installed. | 1. High dental office water pressure. | 1. Install a water pressure regulator on the main water supply line and reduce the pressure to 20-40 psi. |
| Water spray from insert is not properly covering the operating area of the activated tip. | 1. Improper water flow adjustment.<br><br>2. P-style insert water tube incorrectly aimed.<br><br>3. Insert or Air Polishing nozzle insert is partially clogged. | 1. Refer to Cavitron® JET Plus™ Directions for Use for instructions on water flow adjustment.<br><br>2. Use small smooth pliers, reposition the water tube and direct the spray at the back of the insert tip.<br><br>3. Replace the insert or Air Polishing nozzle insert. |
| Water drips from the handpiece when not operating. | 1. Water solenoid valve leaking due to trapped debris. | 1. Try plugging the water supply hose into an air source to blow out the dirt. If the leak persists, replace the regulator/solenoid assembly. Be sure the external hose filter is installed. |
| Water leak from the handpiece while in operation. | 1. O-ring worn on insert.<br><br>2. Water leak in plastic water line at handpiece or inside the JET-Mate™ Handpiece. | 1. Replace the o-ring with genuine Cavitron® o-rings. O-rings are available in packs of 12:<br>Green O-Rings P/N 62605<br>Black O-Rings P/N 62351<br><br>2. a. Unplug the JET-Mate™ handpiece from the cable and replace the small o-ring on the connector. Part No. 79357 (12-Pack)<br><br>b. Replace the JET-Mate™ handpiece and/or cable assembly. |
| Water flow not controllable by turning the handpiece flow control knob. | 1. Malfunction of water regulator / solenoid assembly. | 1. Replace the water regulator / solenoid valve assembly. Adjust the water regulator to specifications. |
| Intermittent activation or no activation when stepping on the foot control. | 1. Foot Control batteries are weak. | 1. a. Check Foot Control battery condition. Replace batteries as required.<br><br>b. Connect the auxiliary Foot Control cable between the Foot Control and unit. The unit can be operated with the cable until the battery is replaced. |

# Cavitron® JET Plus™ Troubleshooting and Analysis, continued

This troubleshooting section is meant for use by qualified Cavitron® Service Technicians.

| SYMPTOMS | CAUSES | CORRECTIVE MEASURES |
|---|---|---|
| Intermittent activation or no activation when stepping on the foot control.<br><br>(Continued) | 2. Foot Control is not synchronized to the base unit. | 2. a. Follow the Cavitron® JET Plus™ Directions for Use and Service Manual instructions for Foot Control synchronization.<br><br>b. Connect the Auxiliary Foot Control cable between the Foot Control and the unit. The unit can be operated with the cable until the Foot Control is re-synchronized. |
| | 3. Malfunction in the Foot Control. | 3. Replace the Foot Control. Follow the Cavitron® JET Plus™ Directions for Use and Service Manual instructions for Foot Control synchronization. |
| Boost Power mode does not activate. Information Center "Boost" LED does not illuminate. | 1. Foot Control not fully depressed. | 1. Depress the Foot Control fully. The "Boost" LED should illuminate. |
| | 2. Air Polishing nozzle insert is installed in the handpiece. | 2. Scaling insert must be installed in the handpiece for the Boost mode to activate. |
| | 3. The Foot Control is defective. | 3. Replace the Foot Control. Follow the Cavitron® JET Plus™ Directions for Use and Service Manual instructions for Foot Control synchronization. |
| Scaling inserts cannot be installed in the handpiece properly. | 1. O-ring on the insert is dry. | 1. Lubricate the o-ring with water. If the o-ring is worn, replace it. |
| | 2. Incorrect or damaged O-ring installed on the insert | 2. Replace the insert O-ring with Cavitron® O-rings. O-rings are available in packs of 12:<br>Green O-Rings P/N 62605<br>Black O-Rings P/N 62351 |
| Purge mode does not activate and the Purge light blinks five times when depressed. | 1. Scaling insert or Air Polishing insert is installed in the handpiece. | 1. Purge mode will only operate with the handpiece empty. Remove the insert and re-press the Purge button. |
| | 2. The JET-Mate™ is not installed on the handpiece cable assembly. | 2. Install a JET-Mate™ on the handpiece cable assembly. Press the Purge button. |
| | 3. Open coil or connection on the JET-Mate™ assembly. | 3. Replace the JET-Mate™ with a known good handpiece. Press the Purge button. |
| | 4. Open connection on the handpiece cable assembly. | 4. Replace the handpiece cable assembly. |
| | 5. Problem on the PC board(s). | 5. Return the Cavitron® JET Plus™ unit to DENTSPLY® for factory certified service. |

# Cavitron® JET Plus™ Troubleshooting and Analysis, continued

This troubleshooting section is meant for use by qualified Cavitron® Service Technicians.

| SYMPTOMS | CAUSES | CORRECTIVE MEASURES |
|---|---|---|
| Info Center Service light is blinking fast (3 blinks per second). | 1. The JET-Mate™ is not installed on the end of the handpiece cable.<br>2. Open coil or connection on the JET-Mate™ handpiece.<br>3. Open connection on the handpiece cable assembly.<br>4. Problem on the PC board(s). | 1. Install the JET-Mate™ on the handpiece cable and activate the Foot Control.<br>2. Replace the JET-Mate™ with a known good one. Activate the Foot Control.<br>3. Replace handpiece cable assembly.<br>4. Return the Cavitron® JET Plus™ unit to DENTSPLY® for factory certified service. |
| Info Center Service light is blinking slowly (1 blink per second). | 1. Insert is damaged or out of specification.<br>2. Faulty JET-Mate™ handpiece.<br>3. Base unit is out of calibration.<br>4. Problem on the PC board(s). | 1. Install a new Cavitron® 30K insert in the handpiece and activate the Foot Control.<br>2. Install a new JET-Mate™ handpiece on the handpiece cable and activate the Foot Control.<br>3. Return the Cavitron® JET Plus™ unit to DENTSPLY® for factory certified service.<br>4. Return the Cavitron® JET Plus™ unit to DENTSPLY® for factory certified service. |
| Info Center Service light stays on. | 1. Unit is installed in a confined area (such as a cabinet), or is too close to a heat source to insure proper air circulation around unit.<br>2. Problem on the PC board(s). | 1. Provide adequate air circulation around unit. Service light will turn off when the unit returns to normal operating temperature.<br>2. Return the Cavitron® JET Plus™ unit to DENTSPLY® for factory certified service. |

# Cavitron® JET Plus™ Troubleshooting and Analysis, continued

This troubleshooting section is meant for use by qualified Cavitron® Service Technicians.

| SYMPTOMS | CAUSES | CORRECTIVE MEASURES |
|---|---|---|
| Air Polishing inserts are difficult to install in the handpiece or leak. | 1. The Air Polishing nozzle insert o-ring is damaged or deformed. | 1. Replace the green o-ring on the nozzle heater rod. O-rings are available in packs of 12: Green O-Rings P/N 62605 |
| | 2. O-ring was not lubricated with water before inserting. | 2. Fill the handpiece and wet the Air Polishing Nozzle insert o-ring before inserting. |
| | 3. The handpiece soft nozzle grip connector is deformed. | 3. Remove, clean the ridged handpiece with a soft brush and replace the Handpiece soft nozzle grip connector. P/N 81717. |
| Cleaning air flow from the nozzle is **normal** but there is little or no powder flow. | 1. Powder flow pointer on the bowl cap is in the wrong position. | 1. Adjust the pointer to the "H" or 12 o'clock position. |
| | 2. Clogged center tube in the powder bowl. | 2. Dump out the powder and clean out the bowl assembly. |
| | 3. Caked powder in the bowl assembly. | 3. Remove the tube attached to the bowl bottom L-Nozzle and check airflow. |
| | 4. Powder bowl L-Nozzle clogged. | 4. Use the cleaning tool and clean out the L-Nozzle from both ends. |
| | 5. Handpiece and/or Air Polishing insert are partially clogged. | 5. Use the cleaning wires and clean out the handpiece and Air Polishing insert. |
| Cleaning air flow from the Air Polishing nozzle is **insufficient-** no powder delivery. | 1. Improper daily Cavitron® JET Plus™ unit maintenance by the operator. | 1. Refer the operator to the Cavitron® JET Plus™ Directions for Use manual or Air Polishing maintenance information. |
| | 2. Insufficient air pressure is being supplied to the unit. | 2. Check the dental office air supply for 65 to 100 psi air pressure. |
| | 3. Use of non-DENTSPLY ®powder. | 3. Replace the powder with fresh DENTSPLY® Prophy-JET® or JET-Fresh™ Powder. |
| | 4. Use of old or moisture contaminated powder. | 4. Replace the powder with fresh DENTSPLY® Prophy-JET® or JET-Fresh™ Powder. |
| | 5. Powder bowl cap leaking air. | 5. Unscrew the cap and remove the cap o-ring. Use water to wash both, dry thoroughly and reinstall. Replace the cap assembly or o-ring as needed. Cap assembly P/N 81728, O-Ring P/N 628052001. |
| | 6. Clogged powder bowl fitting or bowl bottom nozzle. | 6. Empty the powder bowl, unscrew the bowl bottom nozzle at the bottom of the bowl and clean out any caked powder. |

# Cavitron® JET Plus™ Troubleshooting and Analysis, continued

This troubleshooting section is meant for use by qualified Cavitron® Service Technicians.

| SYMPTOMS | CAUSES | CORRECTIVE MEASURES |
|---|---|---|
| Cleaning air flow from the Air Polishing nozzle is **insufficient**- no powder delivery.<br><br>(Continued) | 7. Oil or moisture in the air supply to the Cavitron® JET Plus™. Check for wet or discolored external and internal filter elements. | 7. a. Have the dental office air compressor serviced.<br><br>b. An air dryer and filter should be installed to remove moisture and contaminants.<br><br>c. Return the Cavitron® JET Plus™ unit to DENTSPLY® for factory certified service. |
| | 8. Duckbill filters were removed or installed in reverse. | 8. Return the Cavitron® JET Plus™ unit to DENTSPLY® for factory certified service. |
| | 9. Main air regulator in the Cavitron® JET Plus™ is set too low. | 9. Return the Cavitron® JET Plus™ unit to DENTSPLY® for factory certified service. |
| | 10. Clogged air tubing in the Cavitron® JET Plus™ or the handpiece. | 10. Return the Cavitron® JET Plus™ unit to DENTSPLY® for factory certified service. |
| Cavitron® JET Plus™ unit has no bleed air. | 1. The Air Polishing insert is clogged. | 1. Remove the Air Polishing insert and check the handpiece for bleed air. Use the cleaning tool to clear the Air Polishing insert if it is clogged. |
| | 2. The Cavitron® JET Plus™ air supply is not hooked up. | 2. Check the unit air hose and air compressor. |
| | 3. The manifold bleed air needle valve is set too low. | 3. Connect a calibrated bleed air gauge and adjust the needle valve to specifications. |
| | 4. The bleed air duckbill filter is clogged or installed incorrectly. | 4. Remove the filter assembly and inspect. Replace if clogged or damaged. P/N 60367. |
| | 5. The Y-Fitting is clogged. | 5. Remove the tubes and clear the obstruction with a cleaning wire. |
| | 6. The JET-Mate™ handpiece air/ powder tube is clogged. | 6. Unplug and clean out the handpiece with the long cleaning wire. |
| | 7. The handpiece cable tubing is clogged. | 7. Unplug and clean out the handpiece assembly by applying compressed air to the HP tubing. |
| | 8. The air manifold is defective or clogged. | 8. Remove the bleed air tubing at the air manifold and check for air flow. Repair or replace the air manifold as needed. |

# Cavitron® JET Plus™ Troubleshooting and Analysis, continued

This troubleshooting section is meant for use by qualified Cavitron® Service Technicians.

| SYMPTOMS | CAUSES | CORRECTIVE MEASURES |
|---|---|---|
| Abnormally high bleed air with powder leaking.<br>(Foot Control not activated) | 1. The pinch valve assembly is leaking air and not fully sealing the red pinch tube.<br><br>2. Non-Cavitron® red pinch tubing installed in the unit. | 1. Return the Cavitron® JET Plus™ to DENTSPLY® for factory certified service.<br><br>2. Only Cavitron® red pinch tubing should be installed in the unit. Replace tubing. P/N 61631. |
| Nozzle and/or handpiece tubing is clogged. | 1. Oil or moisture is in the air supply to the unit.<br><br>2. Bleed air is set too low.<br><br>3. Y-Connector in the unit is clogged with powder. | 1. a. Have the office air compressor serviced.<br>b. Return the Cavitron® JET Plus™ to DENTSPLY® for factory certified service.<br><br>2. Connect a calibrated Bleed Air gauge and adjust the needle valve to specifications.<br><br>3. Clean out the Y-Connector with a cleaning wire. |
| Powder bowl cap cannot be unscrewed. | 1. Cavitron® JET Plus™ unit is still powered up.<br><br>2. Powder bowl chamber is not fully depressurized.<br><br>3. Powder bowl internal chamber filter is clogged.<br><br>4. Main air solenoid not sealing when the unit is powered down. | 1. Switch off the power and allow the bowl chamber to depressurize.<br><br>2. Allow sufficient time (about 10 sec.) for the powder bowl to depressurize.<br><br>3. Remove the tubing on the bowl bottom L-Nozzle. Allow the bowl to depressurize then disassemble the bowl assembly and clean the filter.<br><br>4. a. Replace the Air Manifold assembly.<br>b. Return the Cavitron® JET Plus™ to DENTSPLY® for factory certified service. |
| Water spray pattern from the Air Polishing insert is not uniform. | 1. The concentric tubes of the Air Polishing Nozzle insert are clogged with dirt or are off center. | 1. a. Insert a cleaning wire in the front of the nozzle, gently rotate the center tube around to dislodge any dirt with the water spray. Un-concentric tubes can be corrected by gently bending the outer tube.<br><br>b. Replace the Air Polishing insert with a new one. P/N 63740. |

# SECTION 17: Disassembly and Service Procedures

***CAUTION: THIS UNIT CONTAINS COMPONENTS WHICH ARE SUBJECT TO ELECTROSTATIC DISCHARGE (ESD) DAMAGE. THE WORKSTATION SURFACE AND REPAIR TECHNICIAN MUST BE PROPERLY GROUNDED PRIOR TO REMOVAL OF THE COVER.***

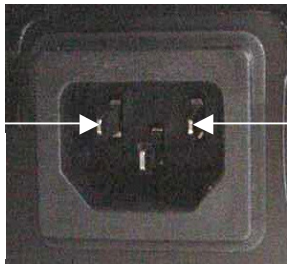
## INDEX:



## A. Top Cover Removal:

1. Power off the Cavitron® JET Plus™ using the front rocker switch.
2. Unplug the Power Cord from the rear receptacle.
3. If the auxiliary Foot Control cable was being used, disconnect it from the rear of the unit.
4. Disconnect the blue water hose by unplugging the quick disconnect at the supply. Depress the tip of the quick disconnect in a suitable container to relieve the water pressure.
5. Turn the Cavitron® JET Plus™ over. Place it on a clean non-abrasive surface to prevent damage to the cabinet cover.
6. Use a screwdriver and remove the six #6 x 1/2" Hi-Lo recessed screws located along the front and back of the unit.
7. Support the Top Cover against the cabinet base and return the scaler to the upright position. Collect and save the six screws for re-assembly.
8. Lift the Top Cover from the front and support it adjacent to the Bottom Housing to prevent damage to the ribbon cable.

## B. Fuse Testing Procedure:




1. Follow this procedure to test the condition of fuses, F3 and F4, without removing the protective cover on the power entry module.
2. Unplug the power cord from the rear Power Entry module.
3. Refer to the "Top Cover Removal" in Section A.
4. Ensure that the Power Switch is in the ON position.
5. Use a DVM in the Ohm setting to measure the continuity.
6. Place one probe on the LEFT terminal of the Power Entry module.
7. Place the other probe on the WHITE wire connector at the front of the Power Supply assembly.
8. If the DVM reads continuity, the F4 fuse is good.
9. Repeat Steps 6 thru 8 to test fuse F3 using the right terminal of the power entry module and BLACK wire.

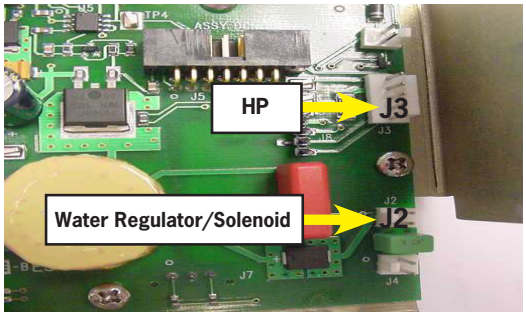
## C. Fuse Replacement:

1. Refer to the "Top Cover Removal" in Section A. Ensure that the power cord has been unplugged from the rear power entry module.
2. The Power Drive PC board is mounted vertically in the left-rear of the base cabinet. Unplug the Top Cover ribbon cable at J5 on the Power Drive PC board and place the Top Cover to the side. Unplug the power supply harness from J1 on the Power Drive PC board.
3. Remove the plastic barrier from the center of the unit. Pull the barrier away from the heatsink to release the two-sided tape and lift it out of the unit.
4. Use a screwdriver and remove the two #8 x 1/2" Hi-Lo screws at the base of the heatsink bracket. Work carefully to prevent damage to the Power Drive PC board components.
5. Use a screwdriver and remove the two #6 x 1/2" Hi Lo screws located at the back corners of the Power Supply Assembly.
6. Tilt the Power Supply assembly up to allow the Power Drive PC board to be lifted out of position. Use care not to damage connector J7. It is mounted on the back of the Power Drive PC board and protrudes through the rear cabinet housing. This will allow access to the power entry cover.
7. Use a screwdriver and remove the #6-32 x 3/8" screw on the Power Entry cover.

8. Lift the protective cover from the Power Entry module. The fuses are mounted vertically under the cover. Use a small flat blade screwdriver and lift the fuses from the clips.
9. Replace the fuses with the specified current rating and voltage.
10. Replace the Power Entry module cover. Insert and tighten the cover screw. Lower and align the heatsink bracket and tighten the two screws with a screwdriver. Check for proper alignment of the auxiliary Foot Control cable connector on the back panel and that no wires are trapped.
11. Install and tighten the two screws at the rear corners of the Power Supply assembly.
12. Align the plastic barrier with the Bottom Housing and fully seat. Replace the two-sided tape, if necessary, to secure the barrier to the heatsink.
13. Reconnect the ribbon cable from the Top Cover. Support the Top Cover on the rear of the base cabinet.
14. Align the Top Cover on the Bottom Housing and securely fasten the six #6 x 1/2" Hi-Lo screws using a screwdriver.
15. Plug in the power cord into the power entry module.
16. Power up the unit using the power rocker switch and test unit operation.
17. Calibrate and final test the Cavitron® JET Plus™ using the DENTSLY® Professional - Product Service Standard Operating Procedure, PS-154.

## D. Handpiece Cable Assembly Replacement:

1. If possible, plug the water supply hose into a compressed air source (40 psi max.) and operate the unit to discharge all water from the unit and handpiece.
2. Follow the steps above in Section A for "Top Cover Removal".
3. Unplug the Top Cover ribbon cable at J5 on the Power Drive PC board and place the Top Cover to the side.
4. Remove the plastic barrier from the unit. Pull the barrier away from the heatsink to release the two-sided tape and lift the barrier out of the unit.
5. Unplug the 3-wire Handpiece cable from J3 on the Power Drive PC board.
6. Carefully slide the Handpiece water tubing from the Regulator/Water Solenoid assembly.
7. Unplug the red Handpiece air/powder tubing from the metal Y-connector.
8. Apply slight pressure upward on the Handpiece cable strain relief. At the same time, separate the plastic clips and fully disengage the handpiece strain relief and cable from the cabinet base.
9. Pass the wiring and water tubing through the Bottom Housing opening.
10. Insert the new handpiece wire connector and water tubing through the bottom of the cabinet base. Align and snap the strain relief into the tabs.
11. Plug the 3-wire connector onto J3 of the Power PC board. Route the Handpiece cable down against the chassis.



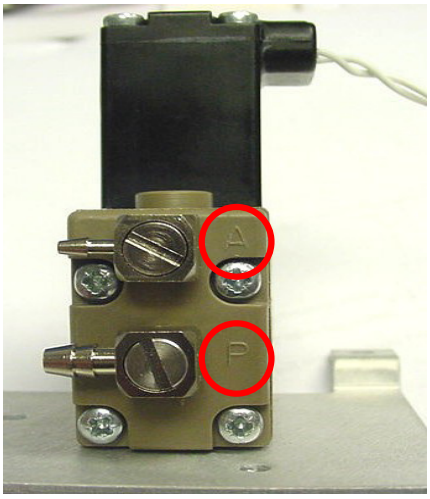

12. Align the plastic barrier with the Bottom Housing and fully seat. Replace the two-sided tape, if necessary, to secure the barrier to the heatsink.
13. Route the handpiece water tubing by first creating a counter-clockwise loop above the strain relief. Then route the tubing along the chassis between the Pinch Valve and Air Manifold. Connect it to the Water Regulator/Solenoid.
14. Connect the red Handpiece air/powder tubing to the Y-connector. Be sure the tubing is fully seated and not kinked.
15. Reconnect the ribbon cable at J5 on the Power PC Drive board. Support the Top cover to prevent damage to cable.
16. Power up the unit, install an insert in the handpiece, and check the scaling power and water flow. Inspect the clear handpiece water tubing for any water leaks.
17. Calibrate and final test the Cavitron® JET Plus™ using DENTSPLY® Professional - Product Service Standard Operating Procedure, PS-154.

## E. Water Regulator/Solenoid Assembly Replacement:

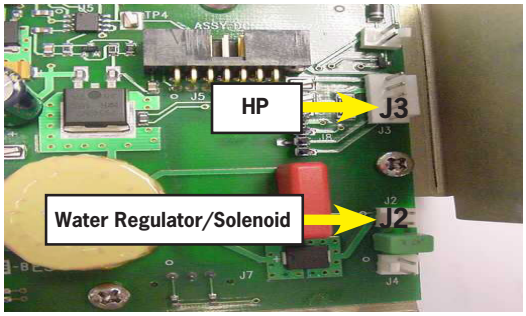
1. Follow the steps above in Section A for "Top Cover Removal".
2. Unplug the Top Cover ribbon cable at J5 on the Power Drive PC board and place the Top Cover to the side.
3. Unplug the blue water hose assembly at the source and relieve the water pressure by pressing the quick disconnect tip in a suitable container. Disconnect the blue water hose at the rear of the unit by fully depressing the gray connector ring and gently pulling out the hose.
4. Unplug the black air hose assembly at the source and relieve the air pressure by depressing the quick disconnect tip. Disconnect the black air hose at the rear of the unit by fully depressing the connector ring and gently pulling out the hose.
5. Remove the plastic barrier from the unit. Pull the barrier away from the heatsink to release the two-sided tape and lift the barrier out of the unit.
6. Unplug the Water Regulator/Solenoid assembly at J2 on the Power Drive PC board.

7. Use a screwdriver and remove the two #6 x 1/2" Hi-Lo screws at the front corners of the Air/Water chassis assembly. Use a screwdriver and remove the #6-32 x 3/8" screw on the Power Entry cover. Carefully lift up the Air/Water chassis assembly.
8. Use a screwdriver and remove the two #6 x 3/8" screws directly under the Water Regulator/Solenoid assembly. Use a flat blade screwdriver and remove the two elbow barbed fittings from the rear of the Water Regulator/Solenoid assembly. The tubing does NOT have to be removed from the barbed fittings. Position the replacement Water Regulator/ Solenoid assembly over the same mounting bracket holes and fasten with the removed screws.
9. Reinstall the elbow barbed fittings onto the replacement Water Regulator/Solenoid assembly.

***NOTE: The small clear handpiece tube goes on the TOP port (marked A). The larger blue water supply tube goes on the BOTTOM port (marked P). Refer to image below.***




10. Lower the Air/Water chassis assembly and slide it back under the molded tab located adjacent to the water inlet hole.
11. Ensure that the Regulator/Solenoid wires, Handpiece cable assembly and Handpiece water tubing and blue supply tube are not trapped under the Air/Water chassis assembly. Use a screwdriver and fasten the Air/Water chassis assembly to the cabinet base. The Ground wire terminal must be reinstalled over the left mounting bracket tab. Place the lock-washer between the screw head and the Ground wire terminal. Use a screwdriver and fasten the Power Entry cover to the Air/Water chassis assembly.
12. The clear Handpiece water tubing must be looped above the Handpiece cable strain relief then routed between the Pinch Valve and Air Manifold assembly.
13. Plug the Water Regulator/Solenoid Wire connector into J2 on the Power Drive PC board.




14. Insert the blue water hose into the lower right-hand hose connector in the back panel. Be sure it is fully seated.
15. Insert the black Air hose into the lower left-hand (corner) hose connector in the back panel. Be sure it is fully seated.
16. Align the plastic barrier with the Bottom Housing and fully seat. Replace the two-sided tape, if necessary, to secure the barrier to the heatsink.
17. Reconnect the ribbon cable at J5 on the Power Drive PC board. Support the Top Cover to prevent damage to the cable.
18. Calibrate and final test the Cavitron® JET Plus™ using DENTSPLY Professional - Product Service Standard Operating Procedure, PS-154.

## F. Power Supply Assembly Replacement:

1. Follow the steps in Section A for "Top Cover Removal".
2. Unplug the Top Cover ribbon cable at J5 on the Power Drive PC board and place the Top Cover to the side.
3. Remove the plastic barrier from the unit. Pull the barrier away from the heatsink to release the two-sided tape and lift the barrier out of the unit.
4. Locate the BLK-WHT wire harness that is connected to the power switch and unplug it from the Power Supply assembly.
5. Unplug the Ground Lug at the front-right corner of the Power Supply assembly.
6. Unplug the BLK-RED wire connector at J1 on the Power Drive PC board.
7. Use a screwdriver and remove the two #6 x 1/2" Hi-Lo screws at the back corners of the Power Supply assembly.
8. Lift and slide the Power Supply assembly toward the rear of the unit to disengage it from the front mounted tabs and remove.
9. Inspect the cabinet base for the presence of the two D-section support cushions. Replace if damaged or missing.
10. Position the replacement Power Supply assembly with the RED-BLK wire connector at the rear.
11. Slide the Power Supply assembly under the front molded tabs and fasten with the two #6 x 1/2" Hi-Lo using a screwdriver.

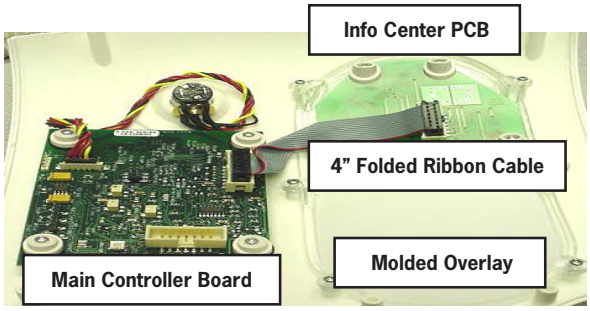
12. Reconnect the RED-BLK wire connector to J1 on the Power Drive PC board.
13. Reconnect the BLK-WHT mains voltage wires from the rocker switch to the Power Supply connector. Install the Ground wire to the tab at the front right corner on the Power Supply. Ensure all connectors are fully seated.
14. Align the plastic barrier with the Bottom Housing and fully seat. Replace the two-sided tape, if necessary, to secure the barrier to the heatsink.
15. Reconnect the ribbon cable at J5 on the Power PC Drive board. Support the Top cover to prevent damage to cable.
16. Calibrate and final test the Cavitron® JET Plus™ using DENTSPLY® Professional - Product Service Standard Operating Procedure, PS-154.

## G. Power Drive PC Board Replacement:

1. Follow the steps above in Section A for "Top Cover Removal".
2. Unplug the Top Cover ribbon cable at J5 on the Power Drive PC board and place the Top Cover to the side.
3. Remove the plastic barrier from the unit. Pull the barrier away from the heatsink to release the two-sided tape and lift it out of the unit.
4. Depress the clip and unplug the BLK-RED wire connector from the Power Drive PC board at J1.
5. Unplug the Handpiece Cable assembly at J3 on the Power Drive PC board.
6. Unplug the Water Regulator/Solenoid assembly cable at J2 on the Power Drive PC board.
7. Unplug the main Air Inlet Solenoid assembly cable at J6 on the Power Drive PC board.
8. Unplug the Pinch Solenoid assembly cable at J4 on the Power Drive PC board.
9. Use a screwdriver and remove the two #6 x 1/2" Hi Lo screws at the back corners of the Power Supply assembly.
10. Use a screwdriver and remove the two #8-18 x 1/2" Hi-Lo heatsink bracket screws at the bottom. Tilt the Power Supply assembly up to allow the Power Drive PC board to be lifted out of position. Remove the Power Drive PC board / heatsink bracket assembly from the unit. The Power Drive PC board, pink Sil-pad and heatsink bracket are manufactured, tested and available only as a complete assembly.
11. Lower the replacement Power Drive PC board assembly back into the Bottom Housing. Use caution to prevent damage to connector J7 on the back of the Power Drive PC board.
12. Securely fasten the Power Drive PC board assembly with the two #8 x 1/2" Hi-Lo screws using a screwdriver. Install and tighten the two screws in the Power Supply assembly.
13. Reconnect the Pinch Solenoid cable to J6, the Handpiece cable to J3, the Water Regulator Solenoid at J2, and the main Air Solenoid to J4. (The Pinch Solenoid was designed with a longer cable to reach the J6 position.)
14. Reconnect the BLK-RED wire connector from the Power Supply Assembly to J1.
15. Align the plastic barrier with the Bottom Housing and fully seat. Replace the two-sided tape, if necessary, to secure the barrier to the heatsink.
16. Reconnect the ribbon cable at J5 on the Power Drive PC board. Support the Top Cover to prevent damage to the cable.
17. Calibrate and final test the Cavitron® JET Plus™ using DENTSPLY Professional - Product Service Standard Operating Procedure, PS-154.

## H. Information Center PC Board Replacement:

1. Follow the steps above in Section A for "Top Cover Removal".
2. Unplug the ribbon cable at the Power Drive PC board at J5 to allow better access to the Top cover assembly.
3. Unplug the ribbon cable that is plugged into J1 on the Information Center PC board. Use a screwdriver and remove the four 4-24 x 1/2" Hi-Lo screws.
4. Replace the Information Center PC board. Transfer the protective cover to the replacement PC board. Align the board against the molded overlay panel and fasten with the four 4-24 x 1/2" Hi-Lo screws. Be sure the leveling washers are correctly positioned. Do not over-tighten the screws. Reconnect the ribbon cable to J1 on the Info Center PC board.
5. Reconnect the ribbon cable at J5 on the Power Drive PC board. Support the Top Cover to prevent damage to the cable.
6. Calibrate and final test the Cavitron® JET Plus™ using DENTSPLY Professional - Product Service Standard Operating Procedure, PS-154.




## I. Main Controller PC Board Replacement:

1. Follow the steps above in Section A for "Top Cover Removal".
2. Unplug the ribbon cable at the rear at J5 on the Main Controller PC board.
3. Unplug the ribbon cable from the Information Center PC board at J1 on the Main Controller PC board.

4. Unplug the Power Potentiometer cable harness at J4 on the Main Controller PC board.
5. Use a screwdriver and remove the four 4-24 x 1/2" Hi-Lo screws. Lift off the leveling washers.
6. Lift off the Main Controller PC board and install the replacement, with grommets over the molded studs. Be sure the board is level. Use the four 4-24 x 1/2" Hi-Lo screws and leveling washers to secure the PC board. The leveling washers must be rotated to have the thicker profile facing the rear of the top cover.
7. Reinstall the Power Potentiometer cable harness at J4.
8. Install the connector on the ribbon cable from the Information Center PC board at J1.
9. Position the Top Cover assembly behind the Bottom Housing and install the ribbon cable at J5 on the Power Drive PC board.
10. Calibrate and final test the Cavitron® JET Plus™ using DENTSPLY® Professional - Product Service Standard Operating Procedure, PS-154.

## J. Air Manifold Assembly Replacement:

1. Follow the steps above in Section A for "Top Cover Removal".
2. Unplug the Top Cover ribbon cable at J5 on the Power Drive PC board and place the Top Cover to the side.
3. Unplug the blue water hose assembly at the source and relieve the water pressure by depressing the quick disconnect tip in a suitable container. Disconnect the blue water hose at the rear of the unit by fully depressing the gray connector ring and gently pulling out the hose.
4. Unplug the black air hose assembly at the source and relieve the air pressure by depressing the quick disconnect tip. Disconnect the black air hose at the rear of the unit by fully depressing the connector ring and gently pulling out the hose.
5. Remove the plastic barrier from the unit. Pull the plastic barrier away from the heatsink to release the two-sided tape and lift the barrier out of the unit.
6. Unplug the main Air Inlet Solenoid cable at J4 on the Power Drive PC board.
7. Unplug the Pinch Solenoid cable at J6 on the Power Drive PC board.
8. Disconnect the clear Pinch Valve tubing from the top Air Manifold barbed fitting.
9. Disconnect the (upper) Duckbill filter with gray tubing from the center Air Manifold barbed fitting.
10. Disconnect the (lower) Duckbill filter with the clear tubing from the bottom Air Manifold barbed fitting.
11. Disconnect the yellow tubing from the bottom Air Manifold fitting location with the Restrictor barbed fitting.
12. Use a screwdriver and remove the two #6 x 1/2" Hi-Lo screws at the front corners of the Air/Water chassis assembly. Carefully lift up the chassis.
13. Lift up the bracket and use a screwdriver to remove the two #6-32 x 5/16 screws under the Air Manifold Assembly. Position the replacement Air Manifold assembly over the same mounting bracket holes and fasten with the removed screws. The three (clear, yellow & red) tubes from the powder bowl assembly and the Handpiece water tube should be routed between the Air Manifold and the Pinch Valve assemblies.
14. Route the two pairs of solenoid wires down and under the black air inlet on the Air Manifold housing. Tie them to the Air Manifold block with a cable tie.
15. Lower the mounting bracket and slide it back under the molded tab located adjacent to the water inlet hole. Install the two #6 x 1/2" Hi-Lo screws at the front corners of the Air/Water chassis assembly and fasten the bracket to the bottom housing. The Ground wire terminal must be reinstalled over the left mounting bracket tab. Place the lock-washer between the screw head and the Ground wire terminal. Be sure not wires or tubing are trapped under the bracket.
16. Route the yellow tube on top of the Pinch Valve assembly and plug it onto the bottom Air Manifold Restrictor barbed fitting.
17. Re-connect the Duckbill filter with clear tubing onto the (bottom) forward-facing barbed fitting.
18. Re-connect the Duckbill filter with grey tubing onto the (center) forward-facing barbed fitting. Refer to the drawings in Section M.
19. Re-connect the clear Pinch Valve tubing onto the top Air Manifold barbed fitting. Replace any damaged or deteriorated tubing as needed.
20. Route the two pairs of Air solenoid wires under the blue inlet supply hose. Plug the main Air Solenoid cable connector to J4 on the Power Drive PC board. Plug the Pinch Solenoid cable connector to J6 on the Power Drive PC board.
21. Align the plastic barrier with the Bottom Housing and fully seat. Replace the two-sided tape, if necessary, to secure the plastic barrier to the heatsink.
22. Reconnect the ribbon cable at J5 on the Power Drive PC board. Support the Top Cover to prevent damage to the cable.
23. Insert the blue Water hose into the lower right-hand hose connector in the back panel. Be sure it is fully seated.
24. Insert the black Air hose into the lower left-hand (corner) hose connector in the back panel. Be sure it is fully seated.
25. Calibrate and final test the Cavitron® JET Plus™ unit using DENTSPLY® Professional - Product Service Standard Operating Procedure, PS-154.

## K. Pinch Valve Replacement:

1. Follow the steps above in Section A for "Top Cover Removal".
2. Unplug the Top Cover ribbon cable at J5 on the Power Drive PC board and place the Top Cover to the side.

3. Unplug the blue water hose assembly at the source and relieve the water pressure by depressing the quick disconnect tip in a suitable container. Disconnect the blue water hose at the rear of the unit by fully depressing the gray connector ring and gently pulling out the hose.
4. Unplug the black air hose assembly at the source and relieve the air pressure by depressing the quick disconnect tip. Disconnect the black air hose at the rear of the unit by fully depressing the connector ring and gently pulling out the hose.
5. Remove the plastic barrier from the unit. Pull the plastic barrier away from the heatsink to release the two-sided tape and lift the barrier out of the unit.
6. Unplug the clear Pinch Valve tubing from the top Pinch Valve barbed fitting.
7. Use a screwdriver and remove the two #6 x 1/2" Hi-Lo screws at the front corners of the Air/Water Chassis assembly. Carefully lift up the chassis.
8. Use a screwdriver to remove the four 6-32 x 7/8" screws. Replace the Pinch Valve assembly or components of the valve. Tighten the four screws uniformly to 15 ± 1 in-lbs.
9. Lower the chassis and slide it back under the molded tab located adjacent to the water inlet hole. Install the two #6 x 1/2" Hi-Lo screws at the front corners of the Air/Water chassis assembly. The Ground wire terminal must be reinstalled over the left mounting bracket tab. Place the lock-washer between the screw head and the Ground wire terminal. Be sure no wires or tubing are trapped under the bracket.
10. Re-connect the clear Pinch Valve tubing onto the top Pinch Valve barbed fitting. Refer to the drawings in Section M.
11. Align the plastic barrier with the Bottom Housing tabs and fully seat. Replace the two-sided tape, if necessary, to secure the plastic barrier to the heatsink.
12. Insert the blue water hose into the lower right-hand hose connector in the back panel. Be sure it is fully seated.
13. Insert the black air hose into the lower left-hand (corner) hose connector in the back panel. Be sure it is fully seated.
14. Calibrate and final test the Cavitron® JET Plus™ unit using DENTSPLY® Professional - Product Service Standard Operating Procedure, PS-154.

## L. Pinch Tube Replacement:

1. Follow the steps above in Section A for "Top Cover Removal".
2. Unplug the Top Cover ribbon cable at J5 on the Power Drive PC board and place the Top Cover to the side.
3. Disconnect the red Pinch Tube at the Powder Bowl assembly.
4. Disconnect the other end at the Y-Fitting. Cut the two wire ties and remove the red tube from the unit.
5. Measure 17.75 ± .25" of Red Tube (P/N 61631). Follow the curvature of the Clear and Yellow tubes from the Powder Bowl, route the Red Pinch Tube through the Pinch Valve assembly.
6. Connect the Red Pinch Tube to the Powder Bowl side fitting.
7. Group the Red, Yellow and Clear Powder Bowl tubes together and tie with two cable ties.
8. Loop the Red Pinch tube up and around connecting it to the Y-fitting. The Pinch Tube must be free to slide through the Pinch Valve to allow for repositioning. Be sure the tube is fully seated at both ends. Refer to the drawings in Section M.
9. Reconnect the ribbon cable at J5 on the Power Drive PC board. Support the Top Cover to prevent damage to the cable.
10. Calibrate and final test the Cavitron® JET Plus™ unit using DENTSPLY® Professional - Product Service Standard Operating Procedure, PS-154.

## M. Air Manifold Connections:

Use numbers to reference the components and tube routing on the drawings on the next page.

1. **2.0 ± .125" - 1/8" Clear Tube**
   (P/N 61693)

2. **18.0 ± .125" - 1/8" Yellow Tube**
   (P/N 625036012)

3. **17.75 ± .25" - 1/8" Red Tube**
   (P/N 61631)

4. **0.50 ± .125" - 1/8" Gray Tube**
   (P/N 625036010)

5. **5.50 ± .25" - 1/8 Gray Tube**
   (P/N 625036010)

6. **0.50 ± .125" - 1/8" Clear Tube**
   (P/N 61693)

7. **12.25 ± .25" - 1/8" Clear Tube**
   (P/N 61693)

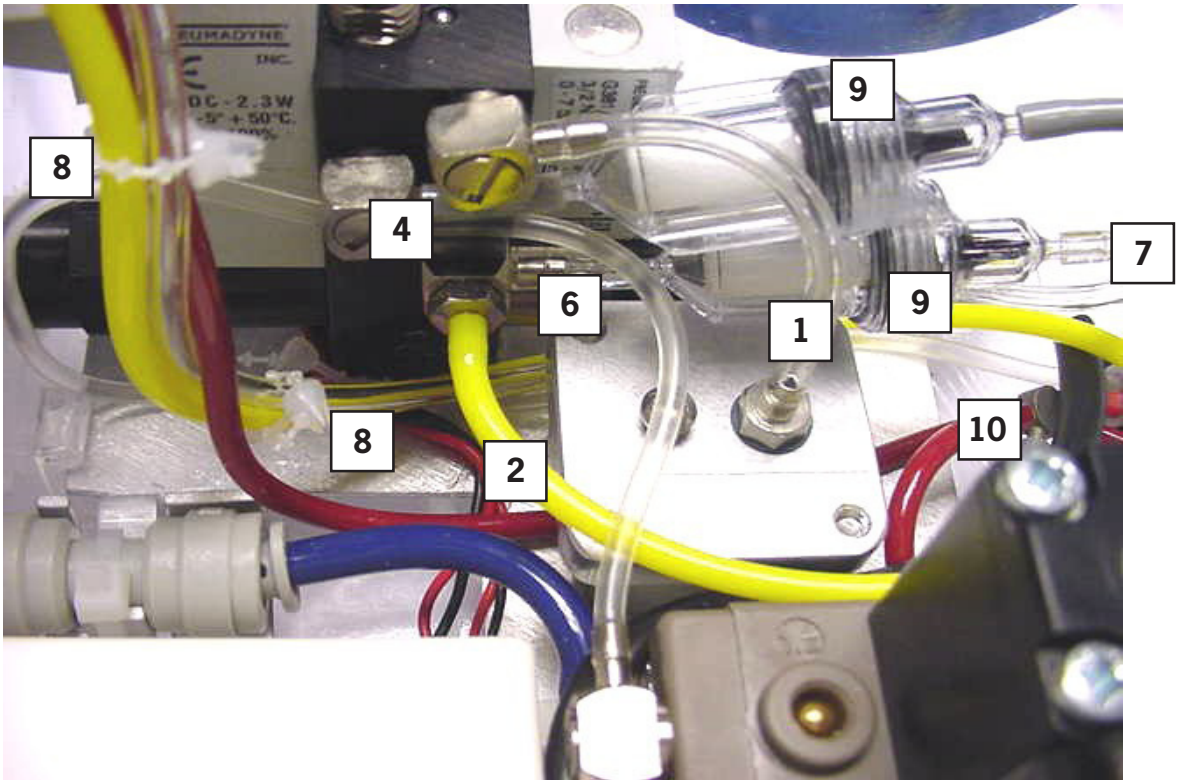
8. **3 Nylon Cable Ties**
   (P/N 60366)

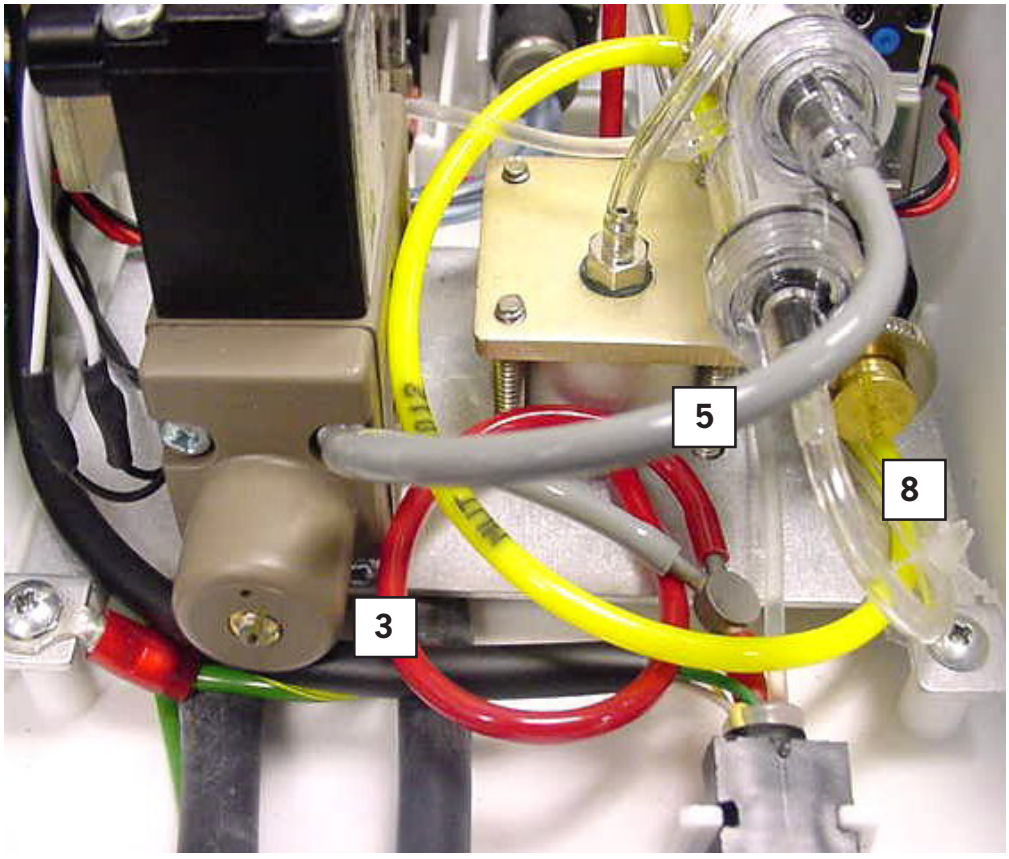
9. **2 Tested Filter Assemblies**
   (P/N 60367)

10. **Y-Connector**
    (P/N 60245)

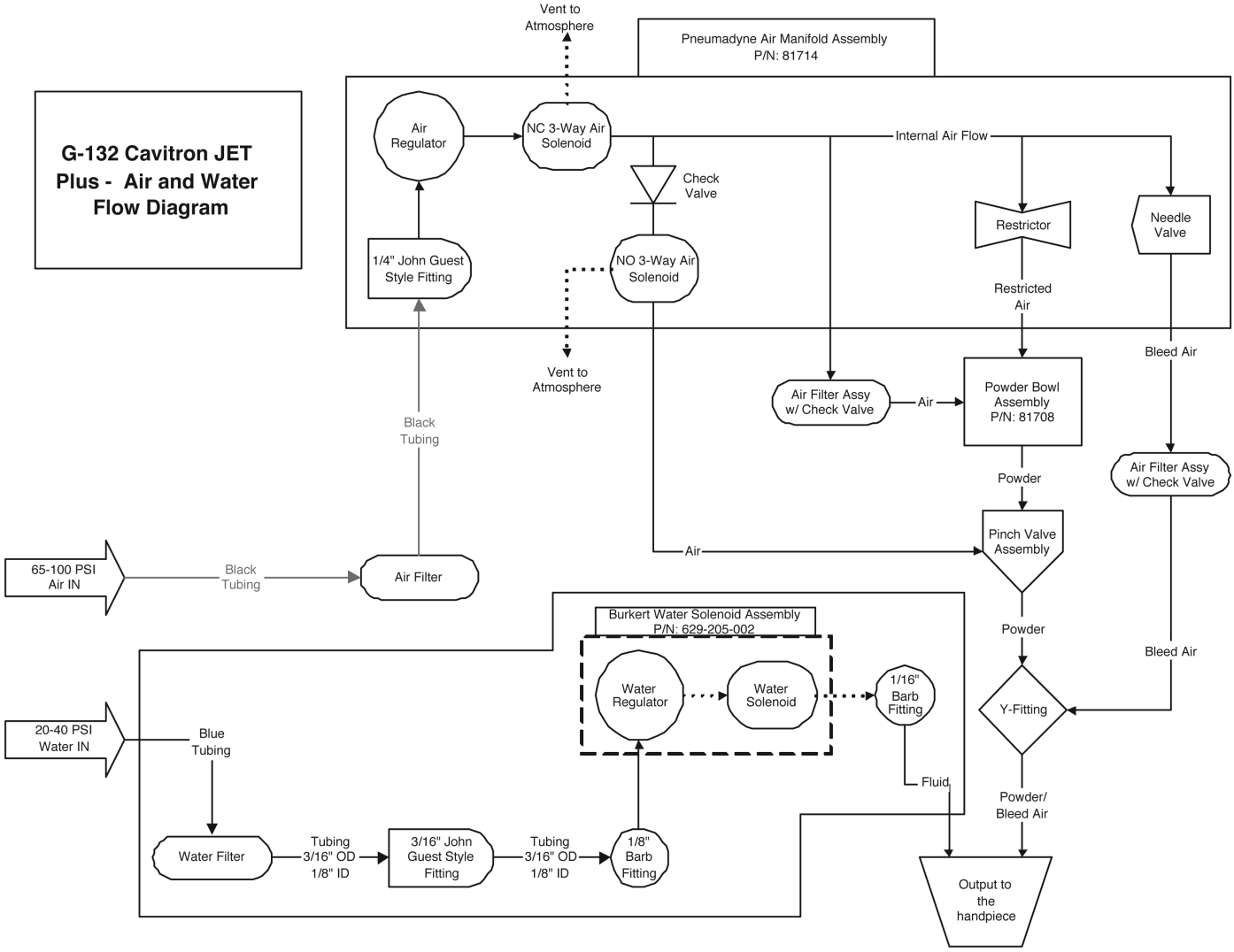
## M. Air Manifold Connection Drawings:

Use numbers on previous page to reference the components and tube routing on the drawings.

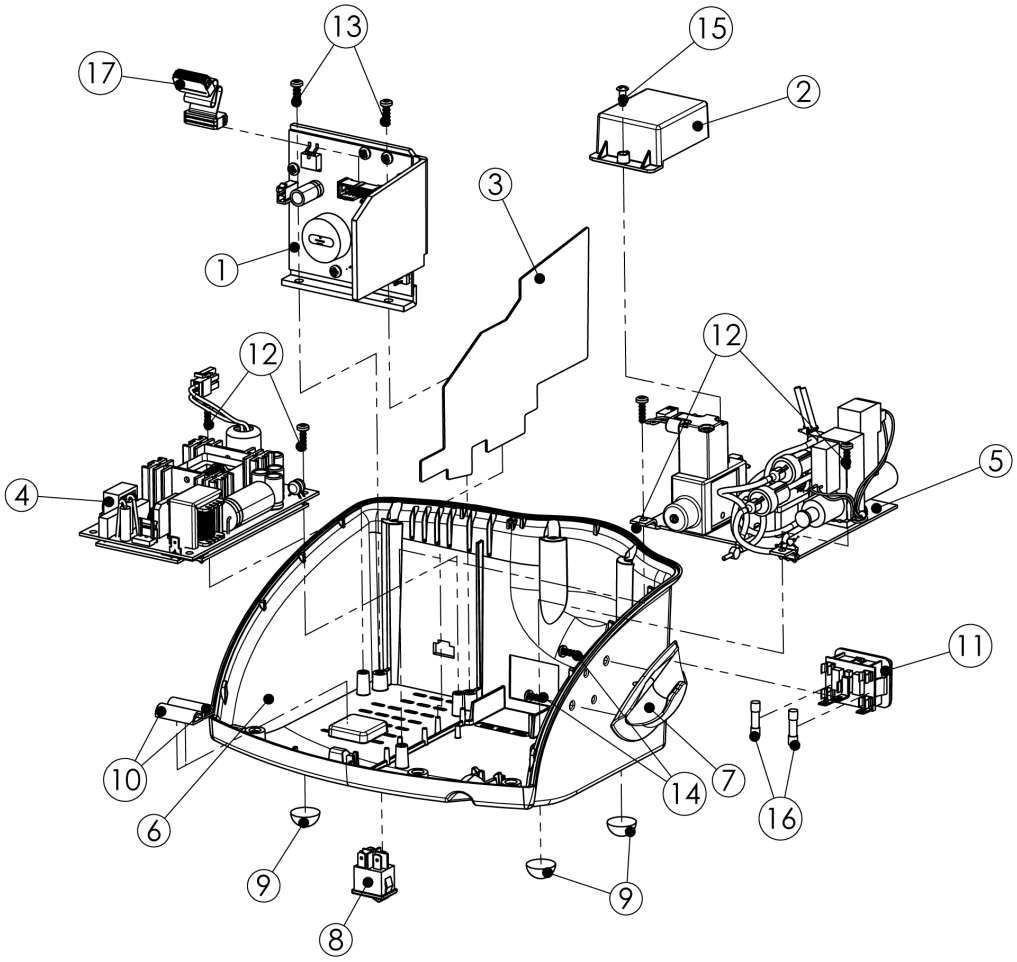


# SECTION 18: Water/Air Flow Diagram



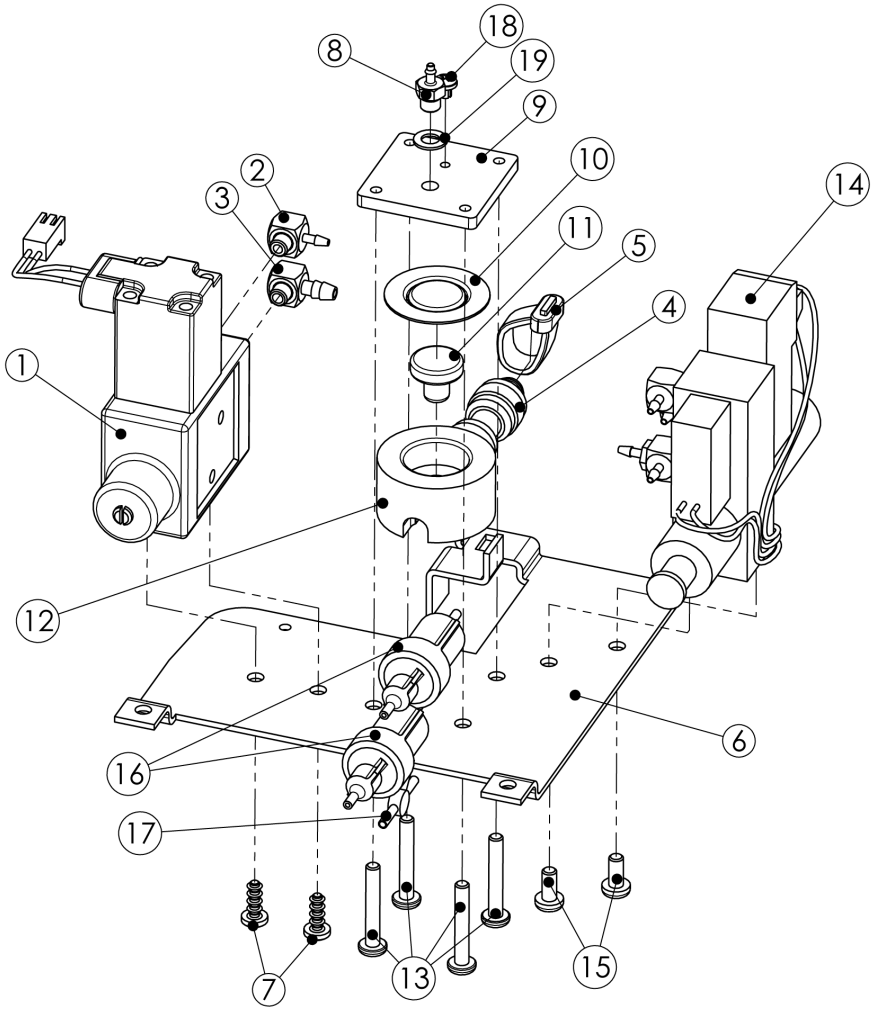
# SECTION 19: Service Parts




## G-132 Cavitron® JET Plus™ - Generator Assembly

| ITEM | QUANTITY | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | 81651 | POWER DRIVE PCB BRACKET ASSEMBLY |
| 2 | 1 | 81635 | PROTECTIVE COVER |
| 3 | 1 | 81665 | BAFFLE (ELECTRICAL PROTECTION) |
| 4 | 1 | 81661 | 24V POWER SUPPLY ASSEMBLY |
| 5 | 1 | 81713 | AIR/WATER CHASSIS ASSEMBLY |
| 6 | 1 | 81623 | DECORATED BASE |
| 7 | 1 | 81632 | HANDPIECE HOLDER |
| 8 | 1 | 565179001 | ROCKER SWITCH, SNAP-IN |
| 9 | 4 | 592051001 | RUBBER FEET, SELF ADHESIVE |
| 10 | 2 | 592055001 | D-SECTION SEAL, 1 INCH |
| 11 | 1 | 568270002 | POWER ENTRY MODULE |
| 12 | 4 | 586172005 | #6 x 1/2" HI-LO TORX, PAN |
| 13 | 2 | 586172003 | #8-18 x 1/2" HI-LO TORX, PAN |
| 14 | 2 | 586174003 | #6-19 x 3/8" HI-LO PPH |
| 15 | 1 | 62857 | #6-32 x 3/8" PH PAN |
| 16 | 2 | 557034018 | FUSE |
| 17 | 1 | 81645 | 4" RIBBON CABLE |
| | 1 | 81662 | FUSE LABEL |
| | 1 | 81682 | AIR/WATER LABEL |

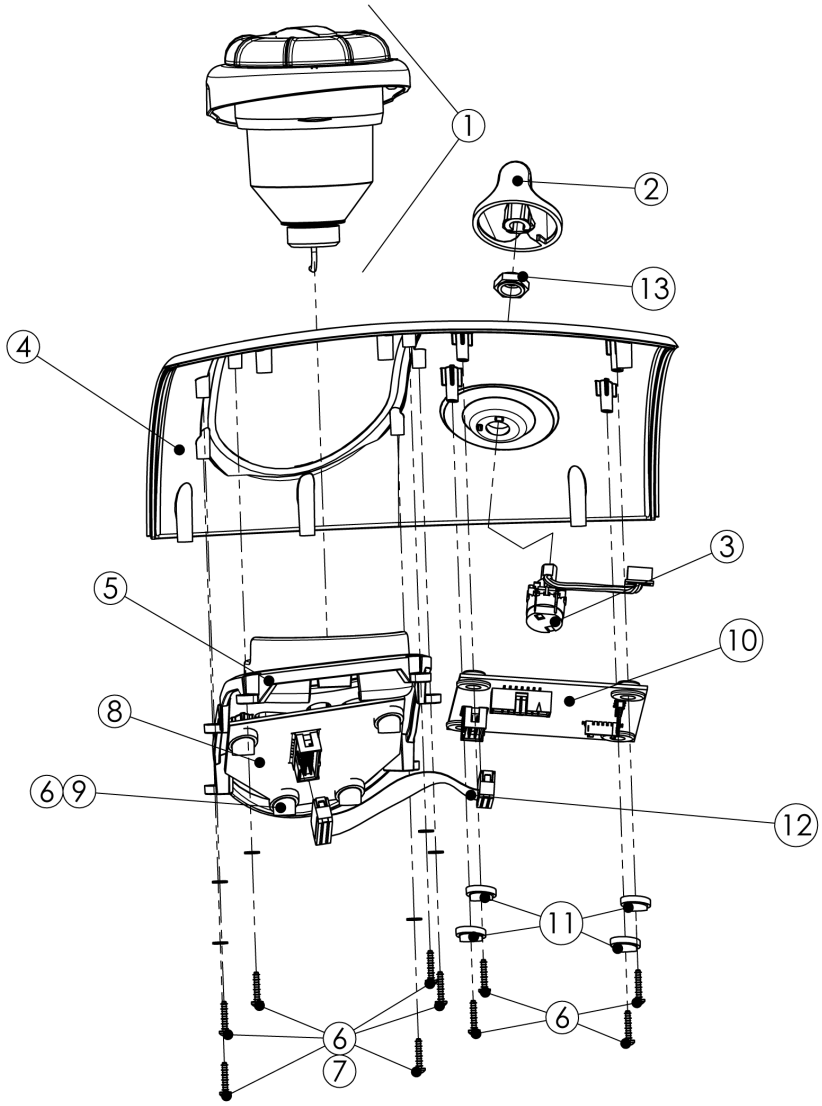
# Service Parts, continued




## G-132 Cavitron® JET Plus™ - Air/Water Chassis Assembly

| ITEM | QUANTITY | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | 629205002 | WATER REGULATOR/SOLENOID (BURKERT) |
| 2 | 1 | 623071001 | 1/16" ELBOW FITTING |
| 3 | 1 | 623071004 | 1/8" ELBOW FITTING |
| 4 | 1 | 623072001 | STRAIGHT UNION FITTING (JOHN GUEST) |
| 5 | 1 | 712-00004 | PLASTIC CABLE TIE |
| 6 | 1 | 81647 | MOUNTING BRACKET |
| 7 | 2 | 586174003 | #6-19 x 3/8" HI-LO PPH |
| 8 | 1 | 61679 | STRAIGHT FITTING, 1/16 BARB x 10-32 |
| 9 | 1 | 81730 | PINCH PLATE |
| 10 | 1 | 26109 | DYNAMIC SEAL |
| 11 | 1 | 26105 | PISTON |
| 12 | 1 | 80688 | PINCH CYLINDER |
| 13 | 4 | 586009169 | #6-32 x 7/8" PHILLIPS SCREW |
| 14 | 1 | 81714 | AIR MANIFOLD ASSEMBLY |
| 15 | 2 | 586133181 | #6-32 x 5/16" PHILLIPS SCREW |
| 16 | 2 | 60367 | FILTER ASSEMBLY |
| 17 | 1 | 60245 | "Y" CONNECTOR, METAL |
| 18 | 1 | 586161002 | PRESSURE RELIEF SCREW |
| 19 | 1 | 60386 | WASHER, BUNA & FIBRE |
|  | 1 | 81673 | WATER REGULATOR W/FITTINGS, REPLACEMENT KIT |

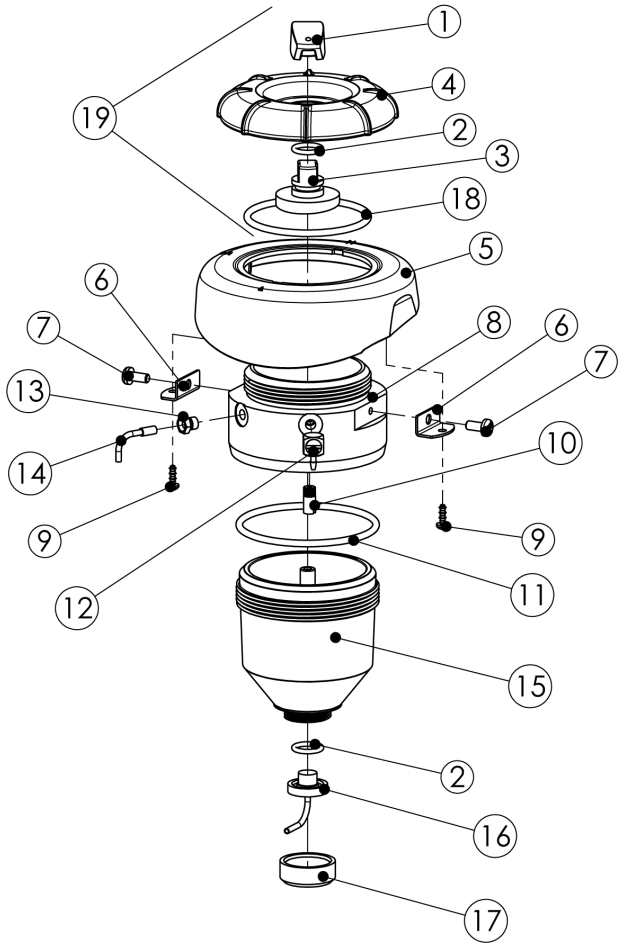
# Service Parts, continued




## G-132 Cavitron® JET Plus™ - Cover Assembly

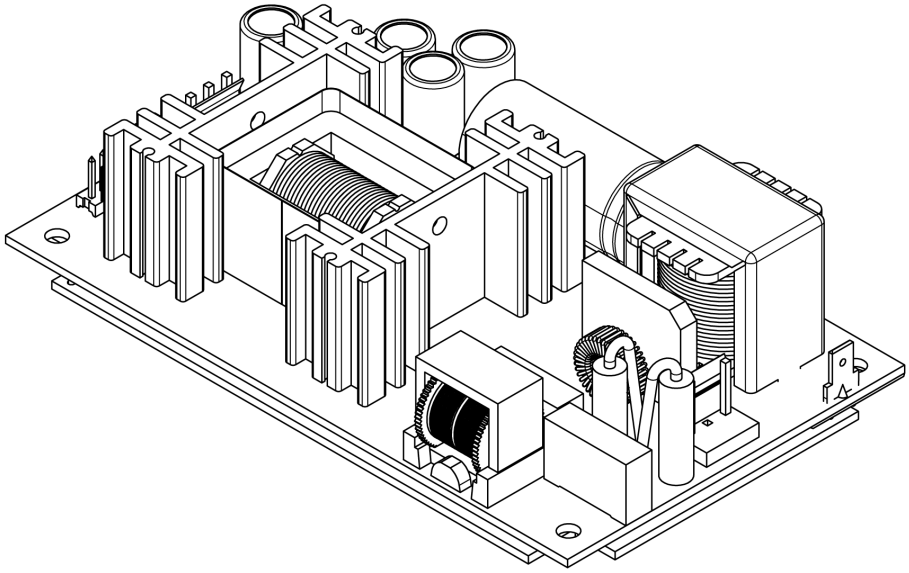
| ITEM | QUANTITY | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | 81708 | POWDER BOWL ASSEMBLY |
| 2 | 1 | 80502 | KNOB, MOLDED |
| 3 | 1 | 81638 | POT SWITCH HARNESS |
| 4 | 1 | 81704 | COVER, DECORATED |
| 5 | 1 | 81707 | MOLDED OVERLAY & LABEL, INFO CENTER |
| 6 | 14 | 586172002 | #4-24 x 1/2" HI-LO SCREWS |
| 7 | 6 | 62970 | WASHERS |
| 8 | 1 | 81642 | INFO CENTER PC BOARD |
| 9 | 4 | 81636-2 | LEVELING WASHERS, INFO CENTER |
| 10 | 1 | 81639 | MAIN CONTROLLER PC BOARD |
| 11 | 4 | 81636-1 | LEVELING WASHERS, MAIN CONTROLLER |
| 12 | 1 | 81645 | 4" RIBBON CABLE |
| 13 | 1 | 592056001 | SHAFT SEAL/NUT |

# Service Parts, continued



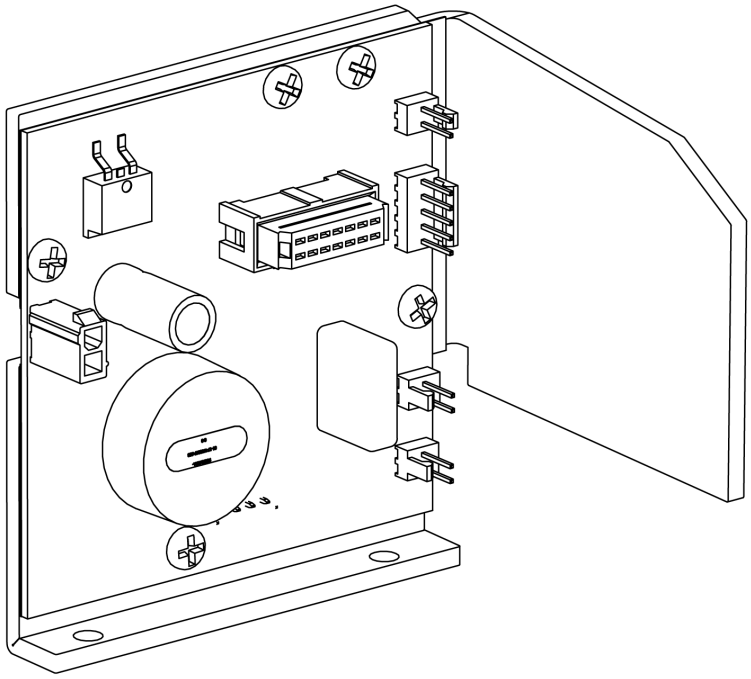

## G-132 Cavitron® JET Plus™ - Powder Bowl Assembly

| ITEM | QUANTITY | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | 80677 | POINTER |
| 2 | 2 | 628052002 | O-RING |
| 3 | 1 | 80676 | POWDER CHAMBER DEFLECTOR |
| 4 | 1 | 81633 | POWDER BOWL CAP |
| 5 | 1 | 81634 | BOWL MOUNT SKIRT |
| 6 | 2 | 81710 | L-SHAPE BRACKETS |
| 7 | 2 | 60898 | #6-32 x 3/8" MACHINE SCREW |
| 8 | 1 | 81712 | POWDER BOWL HOUSING |
| 9 | 2 | 586172001 | #4-24 x 5/16" HI-LO TORX PH |
| 10 | 1 | 60382 | FILTER ELEMENT |
| 11 | 1 | 60384 | O-RING |
| 12 | 1 | 623071001 | 1/16" BARB ELBOW FITTING |
| 13 | 1 | 80668 | BUSHING |
| 14 | 1 | 80672 | POWDER BENT TUBE |
| 15 | 1 | 60374 | POWDER BOWL |
| 16 | 1 | 81711 | "L" NOZZLE |
| 17 | 1 | 60379 | KNURL NUT |
| 18 | 1 | 628052001 | O-RING |
| 19 | 1 | 81728 | CAP ASSEMBLY, REPLACEMENT KIT |
|  | 1 | 81708 | POWDER BOWL ASSEMBLY, COMPLETE |



## G-132 Cavitron® JET Plus™ - Power Supply

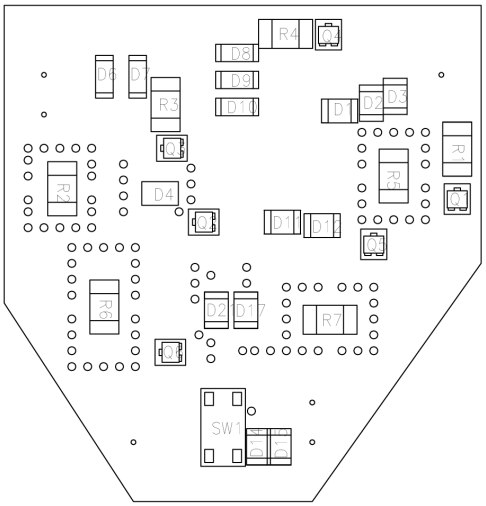
| ITEM | QUANTITY | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | 81661 | 24V POWER SUPPLY |

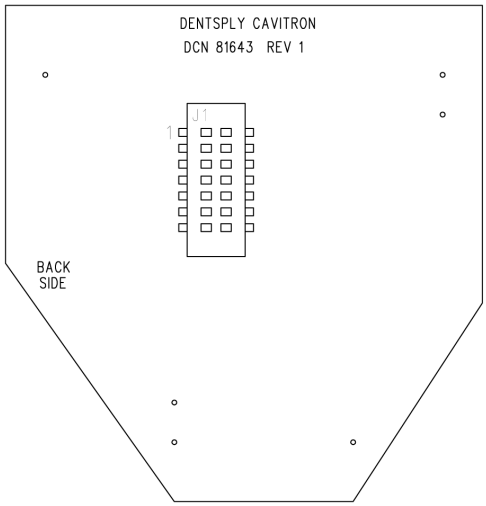


## G-132 Cavitron® JET Plus™ - Power Drive PC Board Bracket Assembly

| ITEM | QUANTITY | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | 81651 | POWER DRIVE PC BOARD BRACKET ASSEMBLY |

# Service Parts, continued

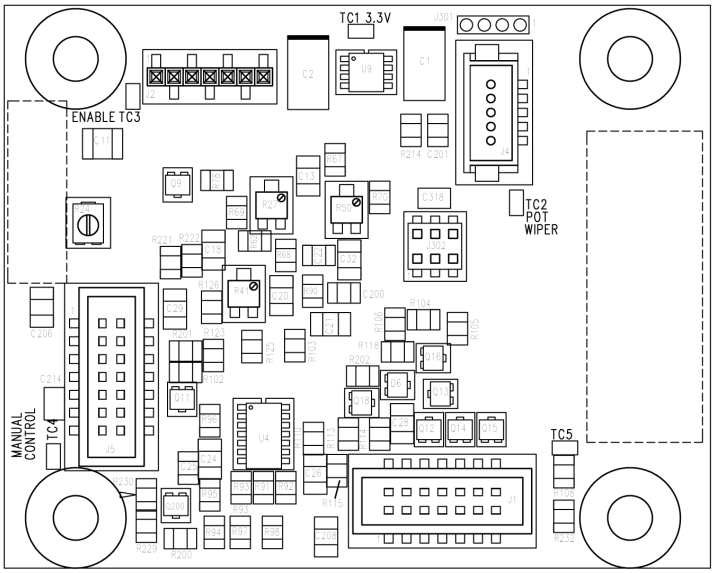



## G-132 Cavitron® JET Plus™ - Info Center PC Board Assembly

| ITEM | QUANTITY | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | 81642 | INFO CENTER PC BOARD ASSEMBLY |
| | 1 | 81720 | COVER, PROTECTIVE |

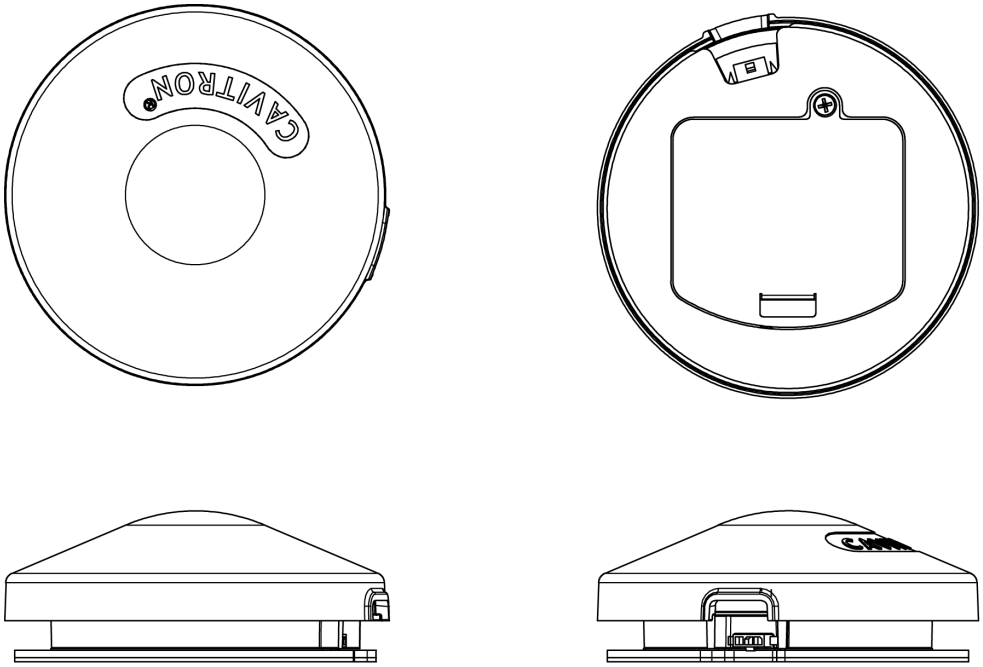
# Service Parts, continued




## G-132 Cavitron® JET Plus™ - Main Controller PC Board Assembly

| ITEM | QUANTITY | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | 81639 | MAIN CONTROLLER PC BOARD ASSEMBLY |

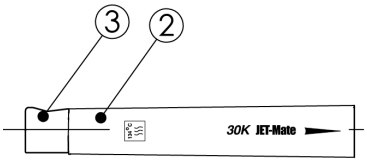
# Service Parts, continued

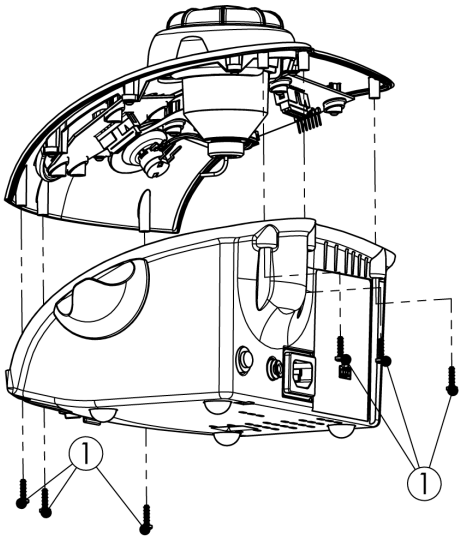



## G-132 Cavitron® JET Plus™ - Foot Control

| ITEM | QUANTITY | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | 81674 | FOOT CONTROL (PACKAGED WITH SYNCHONIZING INSTRUCTIONS AND 4 "AA" BATTERIES) |
| | 1 | 81680 | BATTERY DOOR AND SCREW KIT |
| | 1 | 81681 | FOOT CONTROL PAD (BOTTOM) |
| | 1 | 81663 | AUXILIARY FOOT CONTROL CABLE |

# Service Parts, continued




## G-132 Cavitron® JET Plus™ - Miscellaneous Parts

| ITEM | QUANTITY | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 6 | 586172005 | #6 x 1/2" HI-LO TORX, PAN (BASE TO COVER) |
| 2 | 1 | 81715 | JET-MATE ERGO HANDPIECE |
| 3 | 1 | 81717 | NOZZLE GRIP, JET-MATE HANDPIECE |
| | 1 | 81731 | G-132 HANDPIECE CABLE ASSEMBLY, BLACK |
| | | | |
| | 1 | 81674 | FOOT CONTROL (PACKAGED WITH SYNCHONIZING INSTRUCTIONS AND 4 "AA" BATTERIES) |
| | 1 | 81663 | AUXILIARY FOOT CONTROL CABLE |
| | | | |
| | 1 | 90088 | AIR FILTER WITH FITTINGS |
| | 1 | 81721 | AIR FILTER & HOSE ASSEMBLY |
| | 1 | 90125 | WATER FILTER & HOSE ASSEMBLY |
| | 1 | 90158 | WATER FILTER (10 PACK) |
| | | | |
| | 2' | 61693 | CLEAR TUBING, PER FOOT |
| | 2' | 61631 | RED TUBING, PER FOOT |
| | 1' | 625036010 | GRAY TUBING, PER FOOT |
| | 2' | 625036012 | YELLOW TUBING, PER FOOT |
| | 2 | 60367 | DUCKBILL FILTER ASSEMBLY |
| | 1 | 60245 | Y-FITTING CONNECTOR |
| | 4 | 60366 | NYLON CABLE TIES |
| | | | |
| | 1 | 81648 | WIRE HARNESS, SWITCH TO POWER SUPPLY (BLACK WIRE, WHITE WIRE & FERRITE BEAD) |
| | 1 | 81649 | WIRE HARNESS, POWER ENTRY TO SWITCH (BLACK WIRE, WHITE WIRE, 2 GROUND WIRES & FERRITE BEAD) |
| | | | |
| | 1 | 554102003 | POWER CORD, 115 VOLT |
| | 1 | 78118 | POWER CORD, 200 TO 240 VOLT |
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