



Rectangular Handpiece Air Gauge

Diagnosing and Replacing



For Further Assistance Contact the UDS Technical Support Team
(954) 772-9779 or Email UDS.FLA@gmail.com

Replacing the Rectangular Handpiece Pressure Air Gauge

When an air gauge is broken it will do a few things; it will blow air out through the air gauge or it will stop in the position where it broke. In some cases the air gauge will not return to zero after a handpiece has been used and returned back to its holder or it will not rise past a certain reading regardless of the pressure being increased.

Perform a back pressure test to double check this, bend one of the handpiece tubing to prevent air flow and step on the foot control. The air gauge should jump all the way to 60 and drop back down to zero when the foot control is released. If you hear air coming through the air gauge, if it doesn't jump all the way to 60 or doesn't return to zero when the foot control is released this is an indication that the air gauge is damaged. If the air gauge is damaged it will not register an accurate handpiece reading not allowing the handpieces to function as they should.



1. To replace the air gauge first remove all air pressure from the dental unit.
2. If you are working on an Ultima 250 or 750 Series dental unit remove the top cover of the unit to expose the working components of the machine.

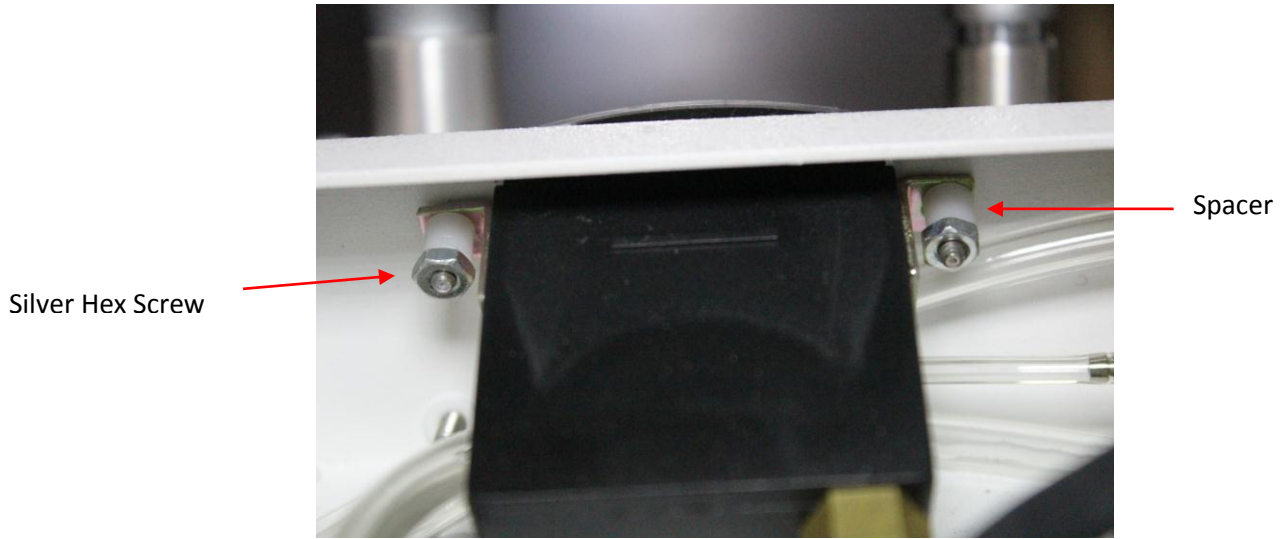
If you are working on an Ultima 500 or 2000 Series remove the single screw on the left side of the control panel.



3. Once you have access to the air gauge, remove the two silver hex nuts on either side.

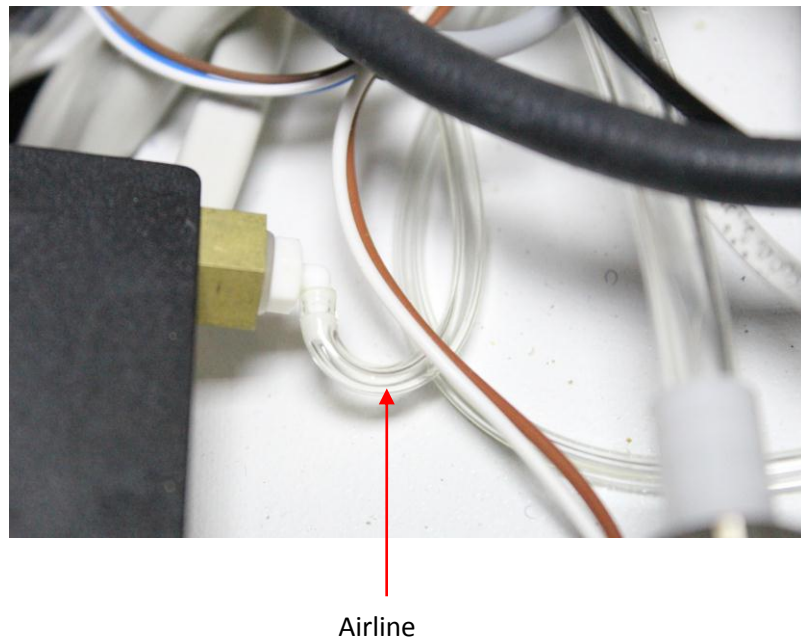
****Remove them carefully so you don't drop the spacers****

Ultima 250 & 750 Series Models

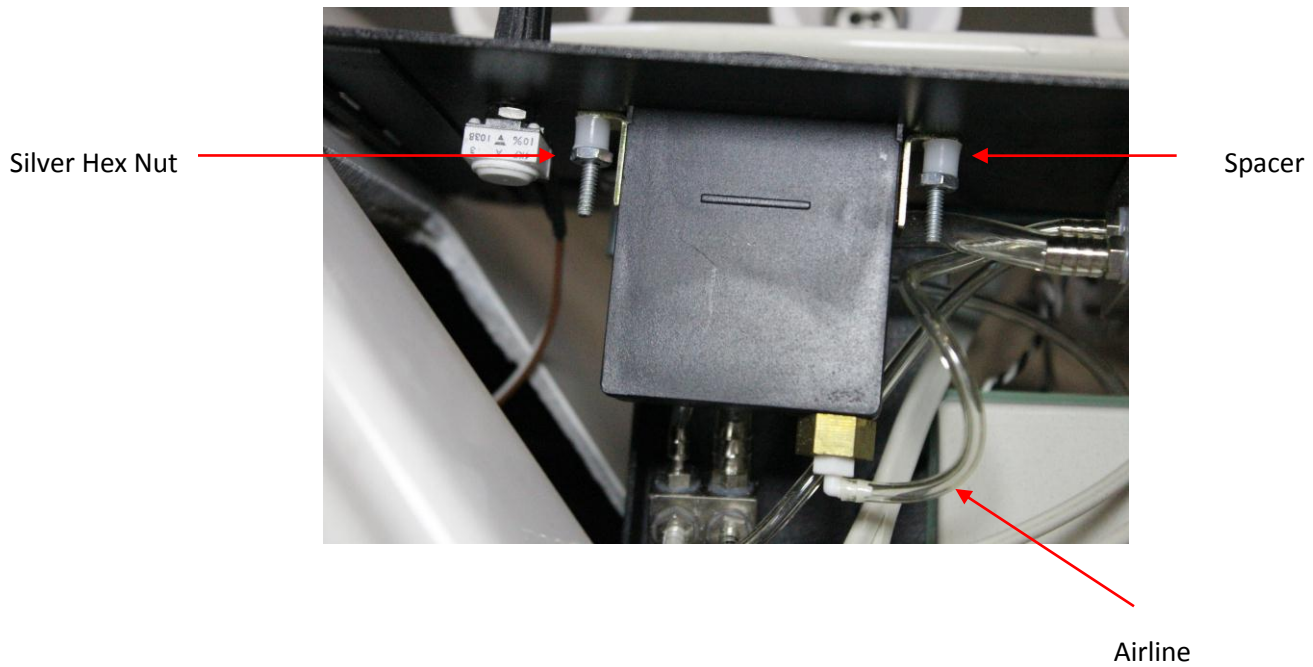


4. After the nuts and spacer are removed, unplug the air line from the gauge.

Ultima 250 & 750 Series Models



Ultima 500 & 2000 Series Models



5. Reverse the steps to install the new air gauge.
6. After the new air gauge is properly secure and the airline is connected; plug the unit in to an electrical outlet and allow it to build pressure as normal.
7. Pick up a handpiece and test the air gauge.