

R-Tech Dental of Minnesota

P.O. Box 8108 Rochester, MN 55903 (800)826-8704 FAX (507)282-1163 info@rtechdental.com

DCI 3430 Syringe Rebuilding Steps

1	Turn off master switch on delivery system.	
2	Depress air and water buttons on syringe into a sink or a bucket until all air and water pressure stops.	
3	If pressure does not stop, use a hemostat to clamp the hose off as shown. It is <u>VERY</u> important that all pressure be stopped before proceeding with syringe repair.	
4	Using a CHH 019-10-00 universal nippers push the DCI 9651 pin out. The pin needs to be removed as it is holding the buttons down.	
5	Pull DCI 9651 pin out from opposite side and then set it aside until later.	
6	Remove the DCI 3085 button and the DCI 9670 spring from the air and water sides of the syringe. You can use a DCI 8059 syringe button removal tool or the CHH 019-10-00 universal nippers to help you in this task.	
7	Use a cotton roll or a paper towel that is moistened with water to clean the inside bore of each of the air and water button ports.	
8	Install new DCI 9670 conical springs. They should seat flat in the base of the bore and be pointy side up.	
9	Install new DCI 3085 buttons into the bores.	
10	Completely depress both buttons until they are flush with the top of the syringe and then re-insert the DCI 9651 locking pin.	

<p>11</p>	<p>Next use a DCI 9705 hex wrench to remove the front DCI 3089 quick change adaptor.</p>	
<p>12</p>	<p>Clean both the DCI 3089 quick change adaptor and the inside area of the syringe. Isopropyl alcohol may be used.</p>	
<p>13</p>	<p>Beneath the DCI 3089 quick change adaptor, down in the base of the syringe, is a DCI 2255 air/water separation o-ring. Remove the old o-ring using an explorer.</p>	
<p>14</p>	<p>Install a new DCI 2255 o-ring and press it into place with the end of the DCI 9705 hex wrench.</p>	
<p>15</p>	<p>There is a thin large diameter DCI 2202 o-ring that also needs to be replaced. Use an explorer to do so.</p>	
<p>16</p>	<p>The DCI 3089 quick change adaptor has a notch in it. Align the notch with the pin that is sticking out of the front of the syringe and then use the DCI 9705 hex wrench set to re-install the quick change adaptor.</p>	
<p>17</p>	<p>Make sure that after tightening the DCI 3089 quick change adaptor is able to move freely.</p>	
<p>18</p>	<p>Unclamp the syringe hose and turn on the unit to check operation of the syringe.</p>	