

<b>Date</b>	29 Apr 2015	<b>Service Note #</b>	4300-2042	<b>Updated</b>	NA
<b>Product</b>	DS/EVO 4300		<b>Created By</b>	J. Yangco	
<b>Description</b>	Voltage Drop Caused by Loose PWR1 Connector				

<b>Release</b>	<input checked="" type="checkbox"/>	<b>Internal</b>	<input checked="" type="checkbox"/>	<b>Distributors</b>	<input type="checkbox"/>	<b>Customers</b>
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Parts/Tools Required	Serial Numbers Affected
Dental Pick / Push Pin or equivalent	All

## Voltage Drop Caused by Loose PWR1 Connector


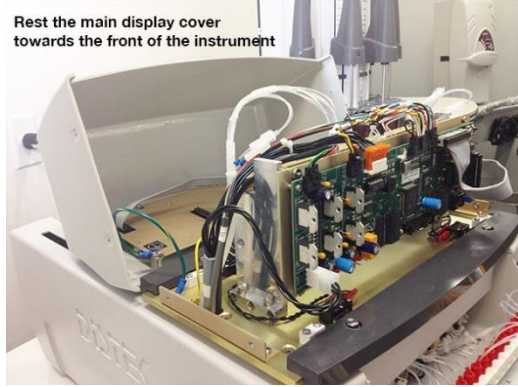

**Reason:** A loose connection at the PWR1 connector may cause the DC voltage power on the main board to drop causing the instrument to reinitialize.

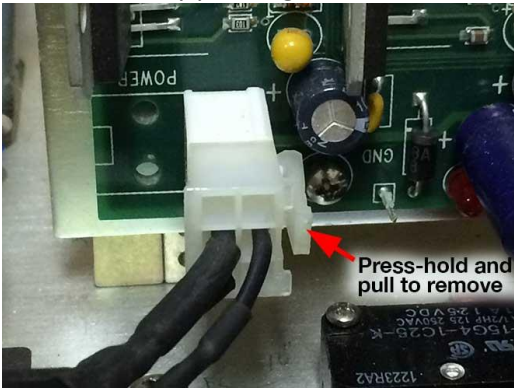

**Pre-requisite:** Service Engineer or person performing this service must have proper training in servicing the instrument.

### Solution / Action



Before proceeding, discharge any static electricity from your body by touching a bare screw from the instrument. Turn off the instrument and disconnect the AC power cord.

<p><b>Step 1</b></p>	<p>Remove the four screws securing the cover of the main collector as shown.</p>  <p><b>Step 1</b></p>
<p><b>Step 2</b></p>	<p>Lift and rest the head cover towards the front of the instrument as shown.</p>  <p><b>Step 2</b></p>
<p><b>Step 3</b></p>	<p>Locate the "PWR1" connector cable on the main board as shown.</p>  <p><b>Step 3</b></p>

<p><b>Step 4</b></p>	<p>Remove the connector from the board by pressing the connector lever and pulling it out.</p>  <p style="text-align: center;"><b>Step 4</b></p>
<p><b>Step 5</b></p>	<p>With a dental pick or using a push pin carefully insert the push pin 1/2 to 2/3 of the way into the connector between the plastic body and connector pin to slightly squeeze the terminal pins. Do this on both sides of the terminal pin and on all terminal pins.</p> <p style="text-align: center;">Insert push pin on each side of the connector terminals, squeezing the terminal pins slightly.</p>  <p style="text-align: center;"><b>Step 5</b></p>
<p><b>Step 6</b></p>	<p>Reconnect the PWR1 connector on the main board.</p>
<p><b>Step 7</b></p>	<p>Replace the head cover and loosely secure it with the screws. Check the unit for proper operation by running a short method.</p>
<p><b>Step 8</b></p>	<p>If the unit operates correctly secure the head cover with the screws and perform the necessary qualification services per customers SOP requirements before placing the instrument into service.</p>