

<b>Date</b>	10 Dec 2011	<b>Service Note #</b>	2500-1063	<b>Updated</b>	N/A
<b>Product</b>	2500	<b>Description</b>	ECO0991 – Installation of Spacers on Brake Assembly Model 2500		
<b>Created By</b>	J. Yangco				

<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 Required	Serial Numbers Affected
#2 Screwdriver 9/64 inch Hex Key wrench 3/16 inch Hex key wrench 2 Spacers (Distek Part Number 5560-6020)	2501001 - 2501085

### Installation of Spacers on Brake Assembly



*Adding spacers to the break assembly will limit the tension of the “Release/Lock” rod mechanism that will prevent the drive head from twisting the break assembly if over tightened.*


*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.*

**Step 1**

With a Phillips head screw driver, remove the nine screws located underneath the drive plate and one screw located on the top rear side that secures the cover as shown below.

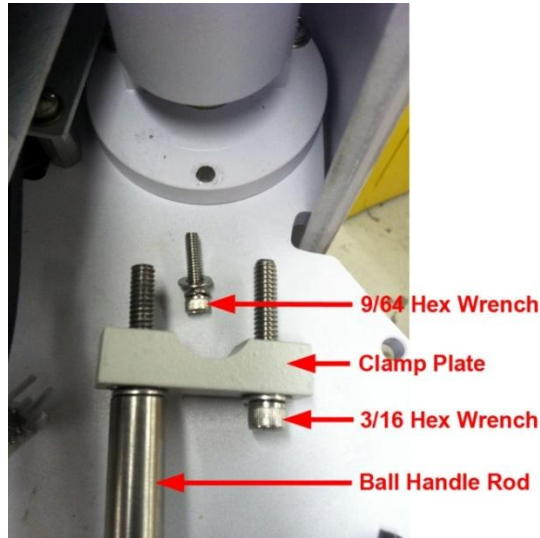


Locating the cover screws

<p><b>Step 2</b></p>	<p>Remove the drive plate cover by grabbing both sides and raise the cover up to remove from instrument.</p> <div data-bbox="656 331 1089 653" data-label="Image"></div> <p data-bbox="699 659 1045 688"><b>Removing the drive head cover</b></p>
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**Step 5**

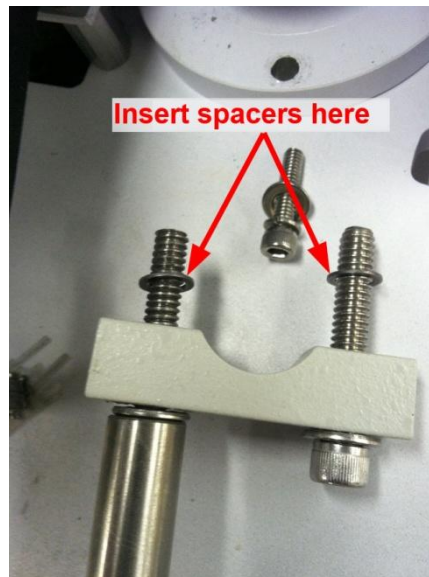
Remove the socket head screw using the 9/64 inch hex key wrench.  
Remove the other socket head screw using 3/16 inch hex key wrench.  
Unscrew the ball handle rod from the brake housing. This will release the clamp plate from the brake housing. Refer to the picture below.



Brake Assembly Screws Removed

**Step 6**

Position the ball handle rod and the larger socket head screw with the clamp plate. Insert the spacers on each side of the clamp plate with the screws as shown below.



Insert Shims

<p><b>Step 7</b></p>	<p>Screw back in the ball handle rod and the larger socket head screw. Make sure that the clamp plate goes in straight while tightening both screws (otherwise it becomes difficult to put back the larger socket head screw). <b>DO NOT OVERTIGHTEN THE LARGER SOCKET HEAD SCREW.</b> Over tightening the larger screw will prevent the drive head from moving smoothly.</p> <div data-bbox="657 436 1088 1039" data-label="Image"> <p style="text-align: center;"><b>Reinstalling the brake mechanism</b></p> </div>
<p><b>Step 8</b></p>	<p>Screw back in the smaller socket head screw.</p>
<p><b>Step 9</b></p>	<p>Try lowering and raising the drive head. It should move smoothly up and down. Do this several times making sure that the drive head does not bind with the vertical guide rod.</p>
<p><b>Step 10</b></p>	<p>Reinstall the cover and plug back in the instrument AC power cord.</p>