

Date	14 Aug 2012	Service Note #	2500x-1053	Revision	N/A
Product	Model 2500	Description	2500x Dosage Delivery System Rail Installation		
Created By	J. Yangco				

Release	<input checked="" type="checkbox"/>	Internal	<input checked="" type="checkbox"/>	Distributors	<input checked="" type="checkbox"/>	Customers
----------------	-------------------------------------	-----------------	-------------------------------------	---------------------	-------------------------------------	------------------

Parts/Firmware Required	Serial Numbers Affected
Dosage Delivery System Kit 2500 Application Firmware Rev. 1.03 or later	2501106 or later

Dosage Delivery System Rail Installation



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.



Step 1

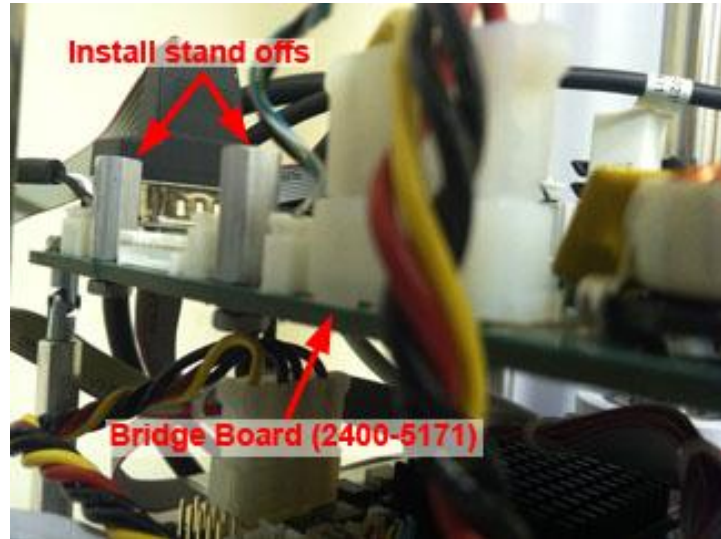
Step 2 Remove the drive plate cover by grabbing both sides and raise the cover up to remove from instrument.



Step 2

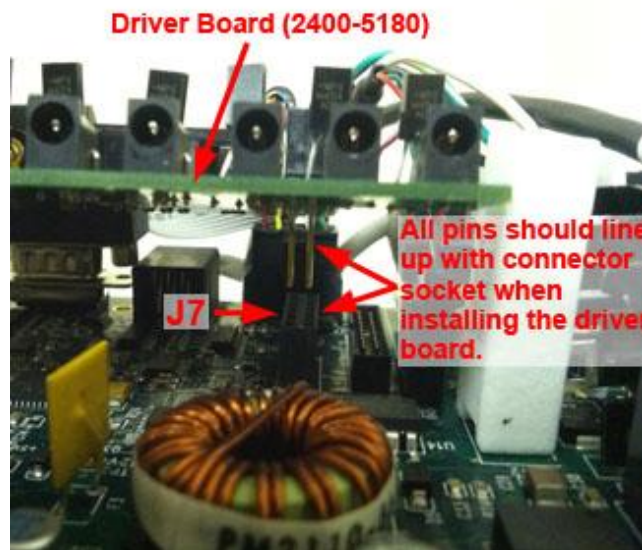
Step 3 Install the two 0.5 inch long stand-offs that came with the kit on the left rear side of the bridge board as

shown below.



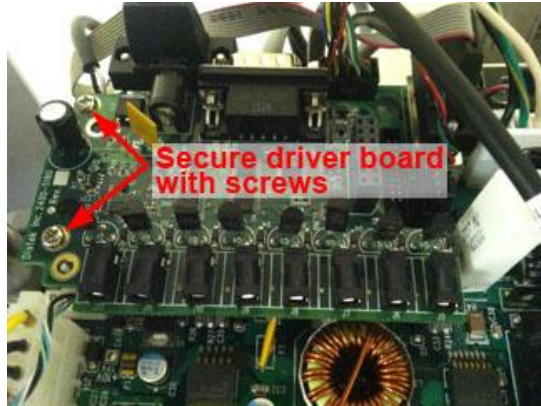
Step 3

Step 4 Install the Dosage Delivery System driver board (2400-5180) in to the bridge board interface connector (**J7**) as shown below. Make sure that all pins line up with the connector socket when installing the driver board.



Step 4

Step 5 Secure the Dosage Delivery System driver board with two screws provided as shown below.



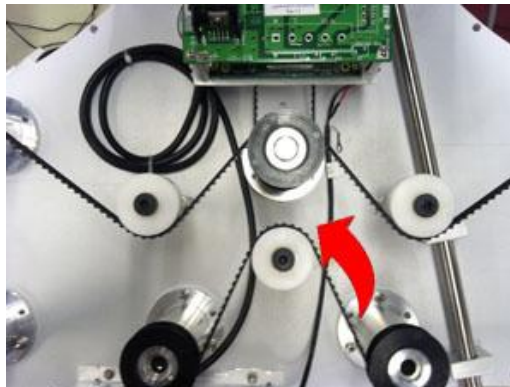
Step 5

Step 6 Remove the plastic plug that covers the Dosage Delivery System wiring port on the drive plate as shown below.



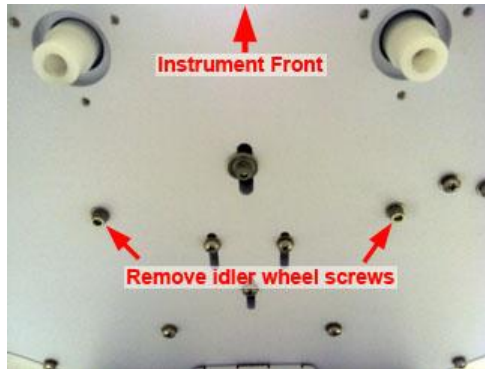
Step 6

Step 7 Remove the spindle drive belt by sliding it out from the front idler wheel as shown below.



Step 7

Step 8 Using a 5/32 inch hex key, remove the two screws that secure the two idler wheels as shown below.

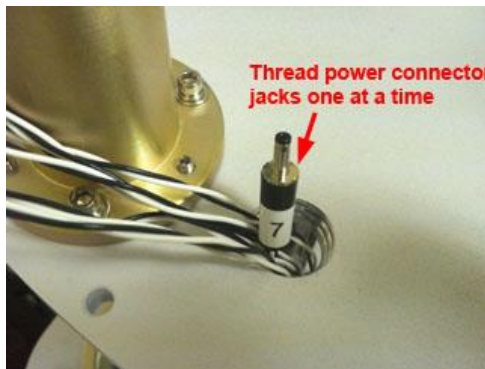


Step 8



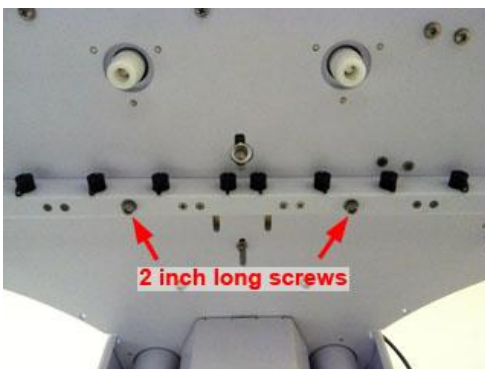
For 7 or 8 position instruments, do not remove the idler wheels. Instead mount the rail using the idler wheel mounting holes for the 6 position instruments.

Step 9 Prepare the Dosage Delivery Rail System. Thread the power connector jacks one at a time in to the drive plate wiring port as shown below.



Step 9

Step 10 Secure the Dosage Delivery Rail System with the idler wheels using the provided 2 inch long screws that came with the kit. Re-install the drive belt.



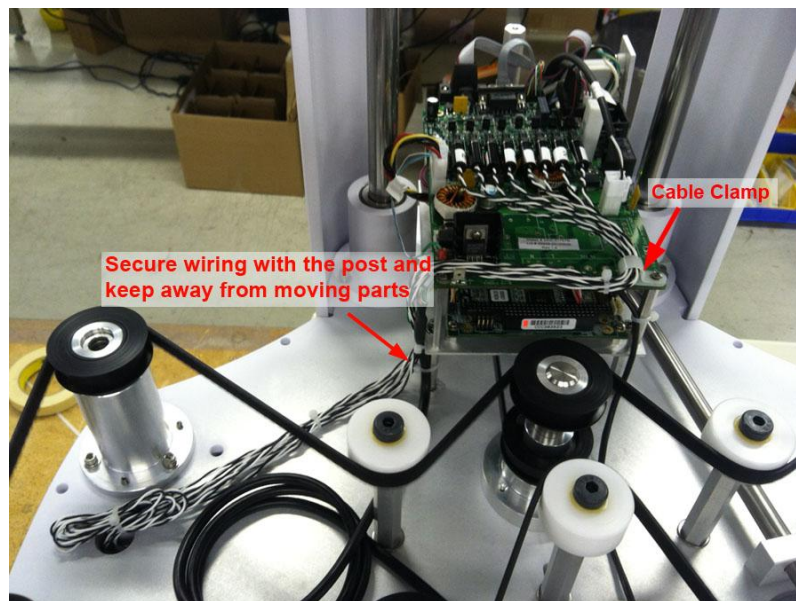
Step 10

Step 11 Plug in the power connector jacks to their respective position on the Dosage Delivery System driver board as shown below.



Step 11

Step 12 Secure the rest of the wiring with plastic tie wraps and cable clamp making sure that it does not interfere with spindle or drive belt rotation.



Step 12

Step 13 Plug in the Dosage Delivery Modules to their respective rail vessel position (the connectors are keyed as indicated by white arrow) as shown below.



Step 13

Step 14 Plug in the power cord and turn on the instrument. Test the Dosage Delivery System operation using simultaneous drop and staggered drop (refer to instrument operation manual).

Step 15 Reinstall the cover and check the instrument for proper operation.