

S E R V I C E N O T E

SUPERSEDES: NONE

**5DX Structural Process Test Systems
Series I, II, 2L, 3**

Serial Numbers: USXXXXXX100 / USXXXXXX610

Modification to E-Chain Retainer Bracket.

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Quantity
E7200-60204	E-Chain Retainer Bracket Kit	1

Tools Required:

Phillips Screwdriver
7/64", 1/8", 5/32" Allen Wrenches

Situation:

The tie wrap holding the E-Chain in position can break and the E-Chain starts hitting the Rear Laser during an XYZ Stage move. This unpredicted Stage movement can cause serious damage to the Rear Laser and/or the XYZ Stage, resulting in Galil1 Errors, XYZ Stage Errors, and/or Laser Surface Mapping Errors.

Solution / Action:

Install the E-Chain Retainer Bracket Kit (P/N E7200-60204) using the following procedure (P/N E7200-90077-A). The E-Chain Retainer Bracket will prevent the E-Chain from hitting the Rear Laser Surface Map Assembly. *Continued*

DATE: June 2001

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 0.5 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input checked="" type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
		USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: June 2002	
AUTHOR: DS	ENTITY: LIO	ADDITIONAL INFORMATION:	



Chain Retainer Bracket Installation Procedure

1. Perform Long Term Shutdown of 5DX.
2. Quit from Auto UI.
3. Using the mouse, double click on the 5DX Reset Icon.
4. In the original Auto UI Dos Window Type "exit".
5. Turn off the PDU.
6. Open the Rear and Top Left Access Panels to access the XYZ Stage.
7. Remove the Tie-Wrap from around the E-Chain if it is still there (see Figure 1).



Figure 1.

Continued

- Using the 7/64" Allen Wrench, remove the screw in each of the clamps holding the two bundles of cables to the E-Chain Support. Leave the bundles of cables in their general position. Save the screws (see Figure 2).

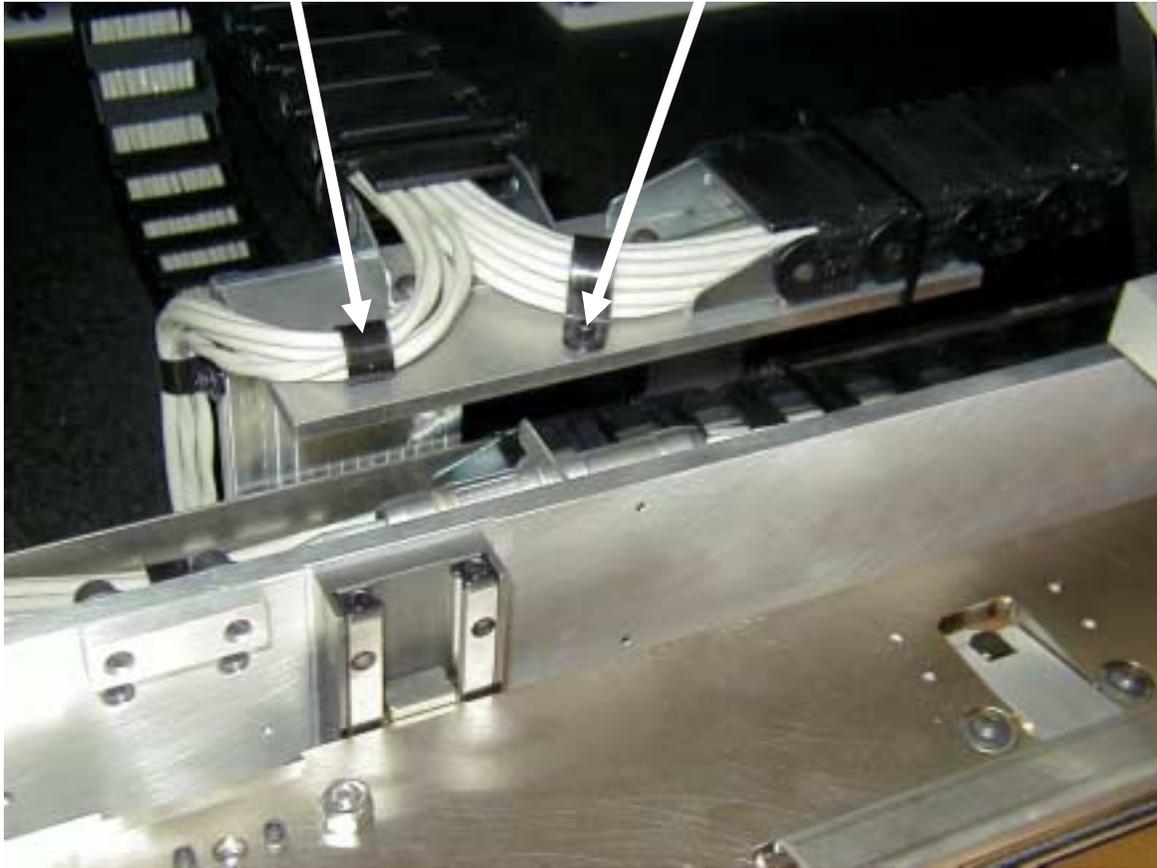


Figure 2.

Continued

9. Using the 1/8" Allen Wrench, remove the 2 screws holding the E-Chain to the E-Chain Support. Leave the E-Chain in its general position. Save the 2 screws (see Figure 3).

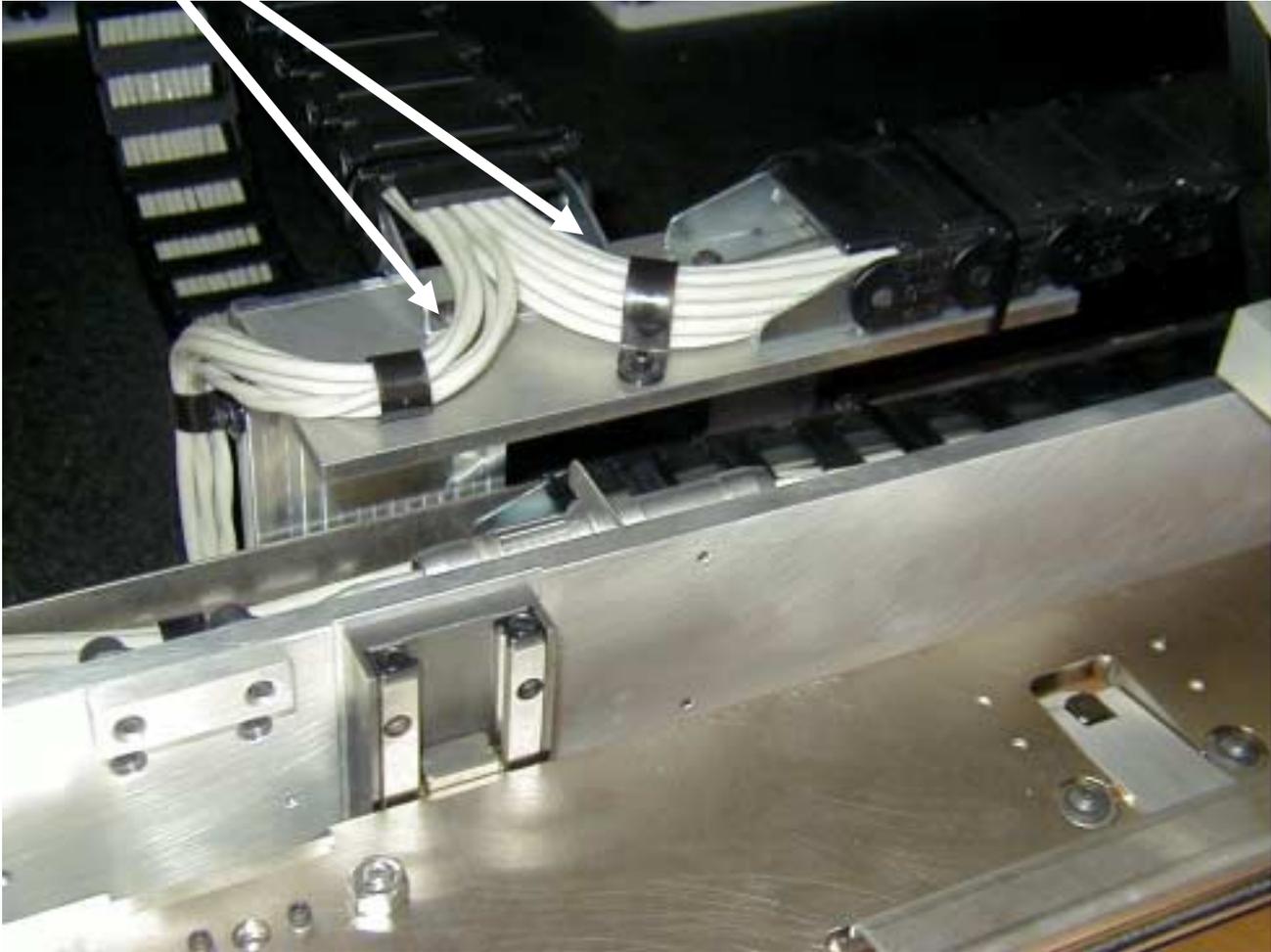


Figure 3

Continued

10. Repeat the above step for the other E-Chain. Save the 2 screws. Leave the E-Chain in its general position (see Figure 4).

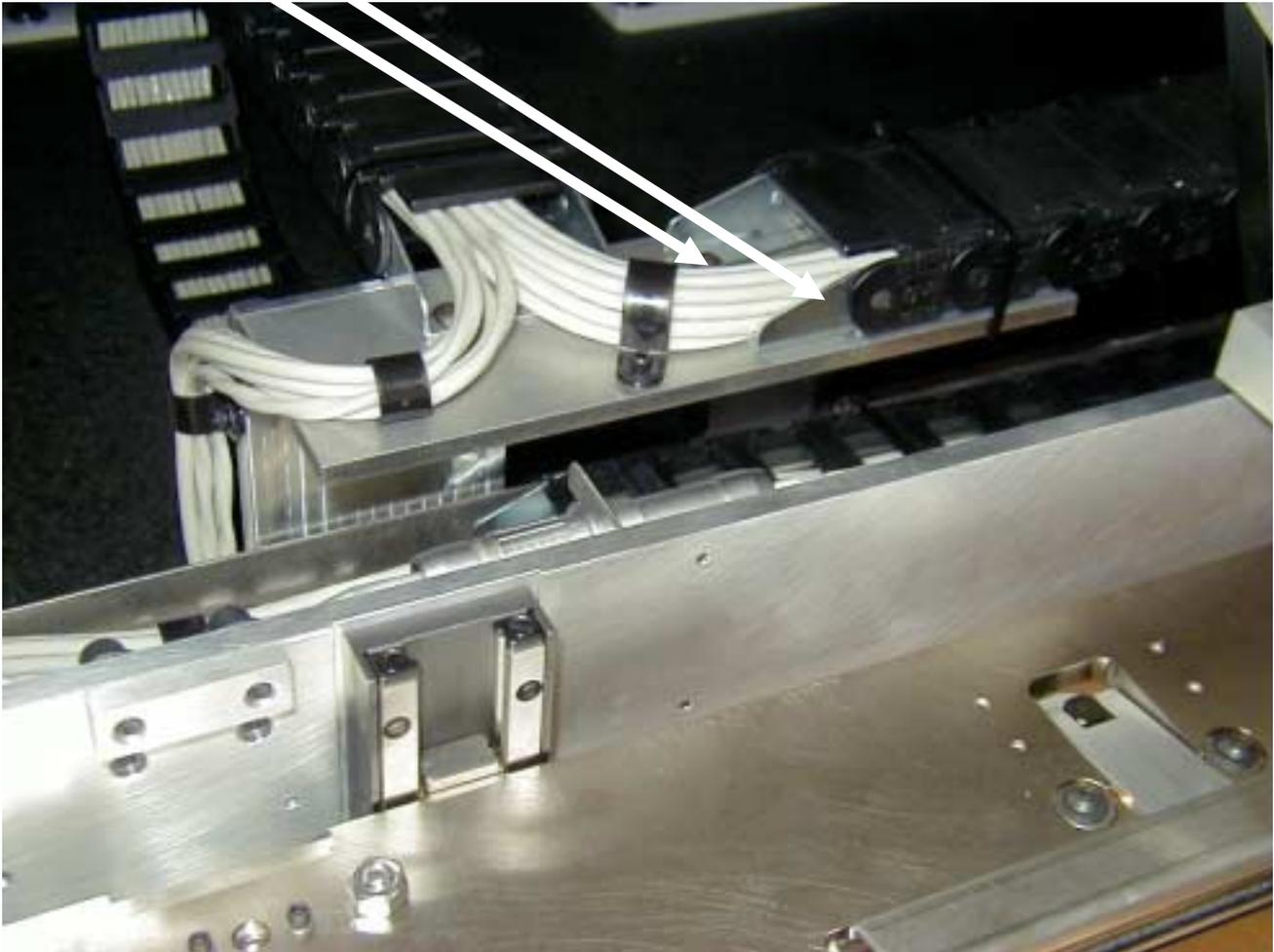


Figure 4.

Continued

11. Using the 5/32" Allen Wrench, remove the 3 screws holding the E-Chain Support to its bracket. Save the 3 screws. Leave the E-Chain and cable bundles in their general position (see Figure 5).



Figure 5.

Continued

12. Replace the E-Chain Support with the New E-Chain Support (Part # E7200-21233), using the same 3 screws (see Figure 6).

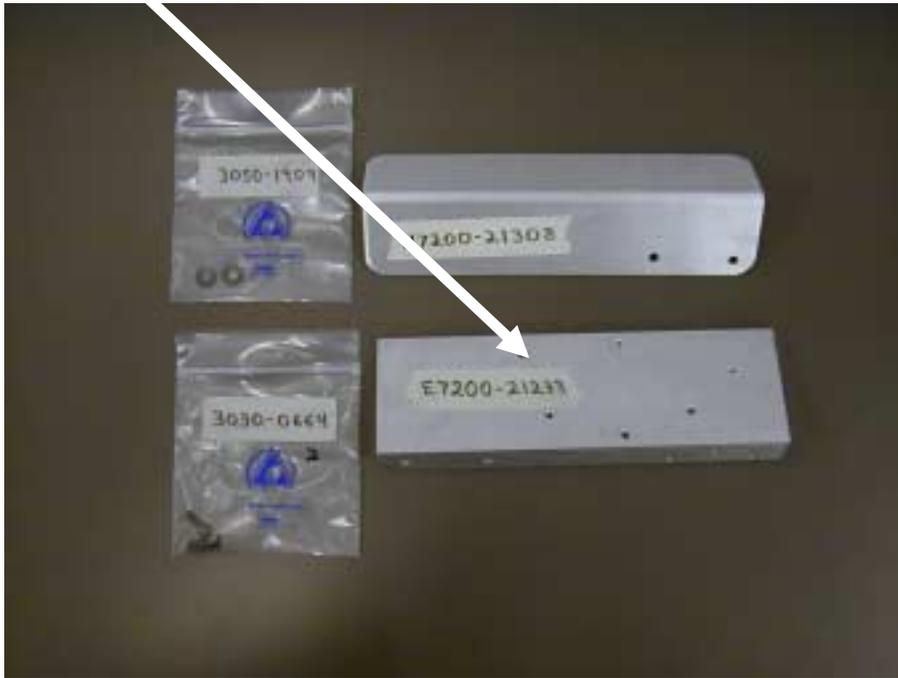


Figure 6.

13. Mount both E-Chains to the new E-Chain Support, using the same 4 screws (see Figure 7).

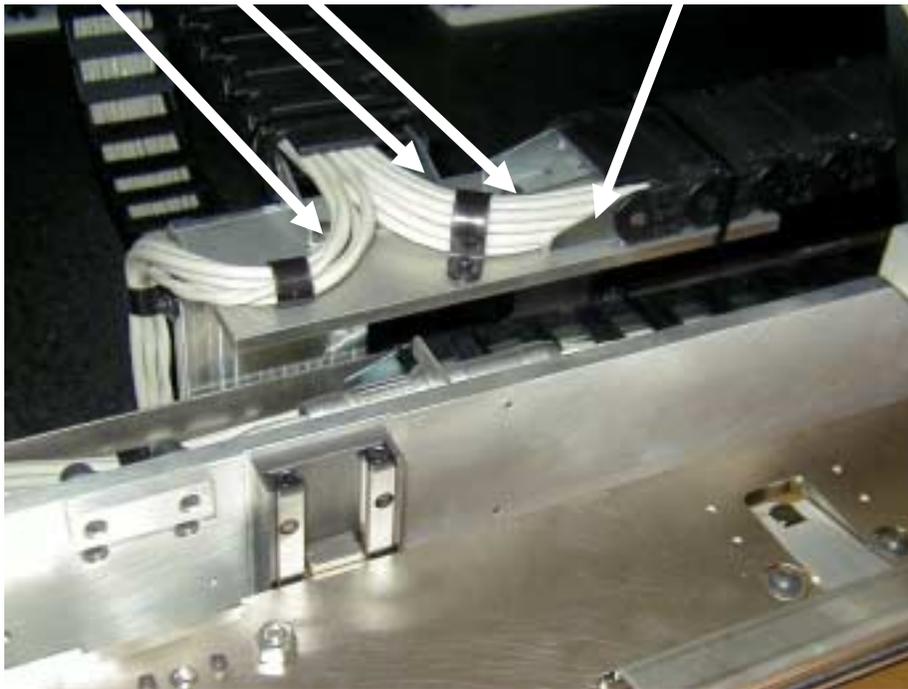


Figure 7.

Continued

14. Mount both Cable Clamps to the new E-Chain Support, using the same 2 screws (see Figure 8).

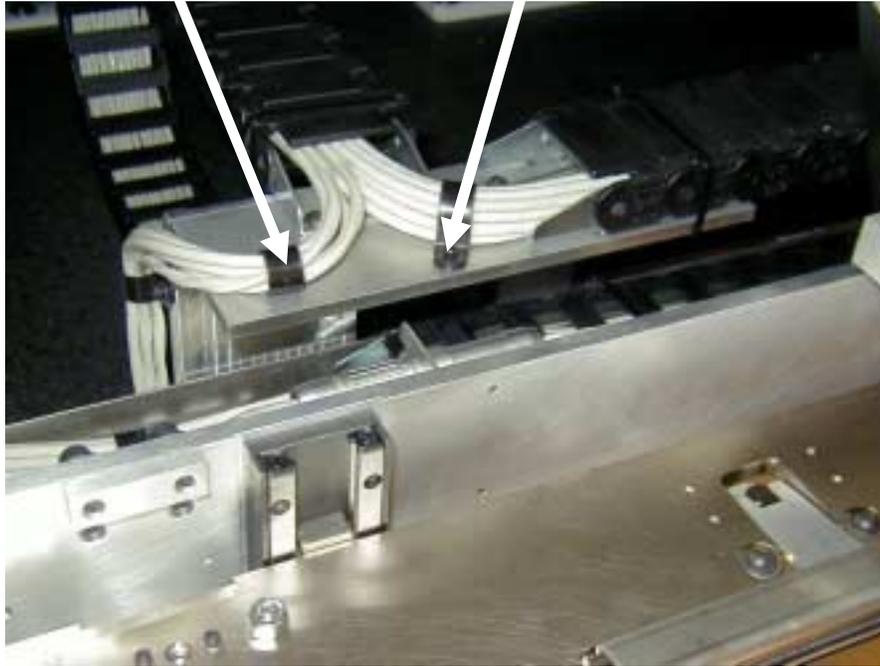


Figure 8.

15. Mount the new E-Chain Bracket Cover (Part # N7200-21308) on top of the E-Chain, using the supplied 2 screws (Part # 3030-0664) and 2 washers (Part # 3050-1909) (see Figure 9).

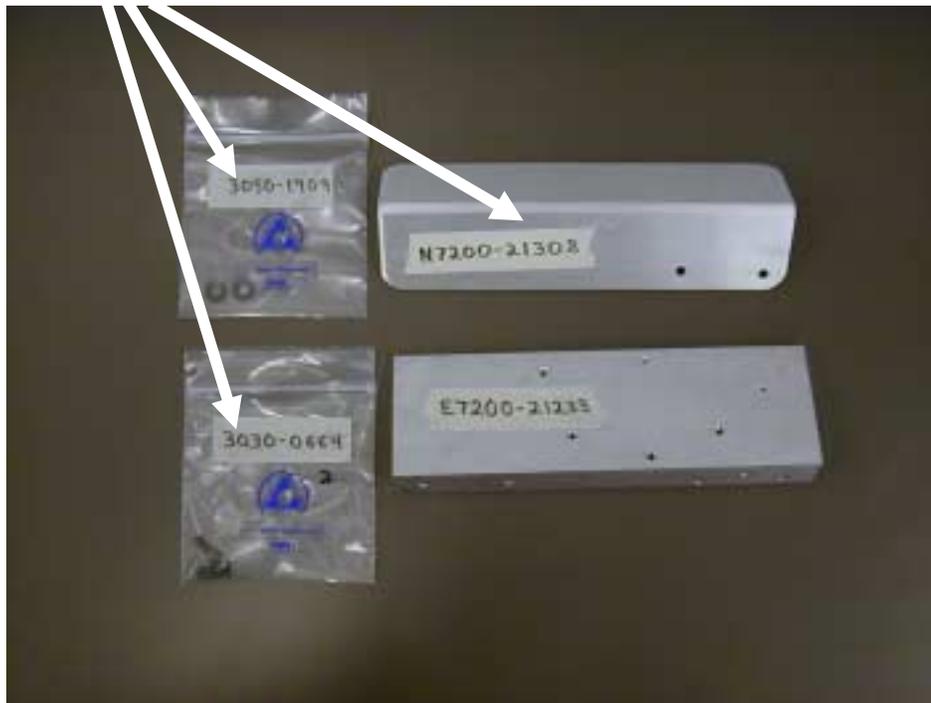


Figure 9.

Continued

16. When finished, it should look like Figure 10.



Figure 10.

17. Move the XYZ Stage by hand so the E-Chain Bracket under the Rear Laser Assembly to insure it will not hit the Assembly.

This does not hit this.

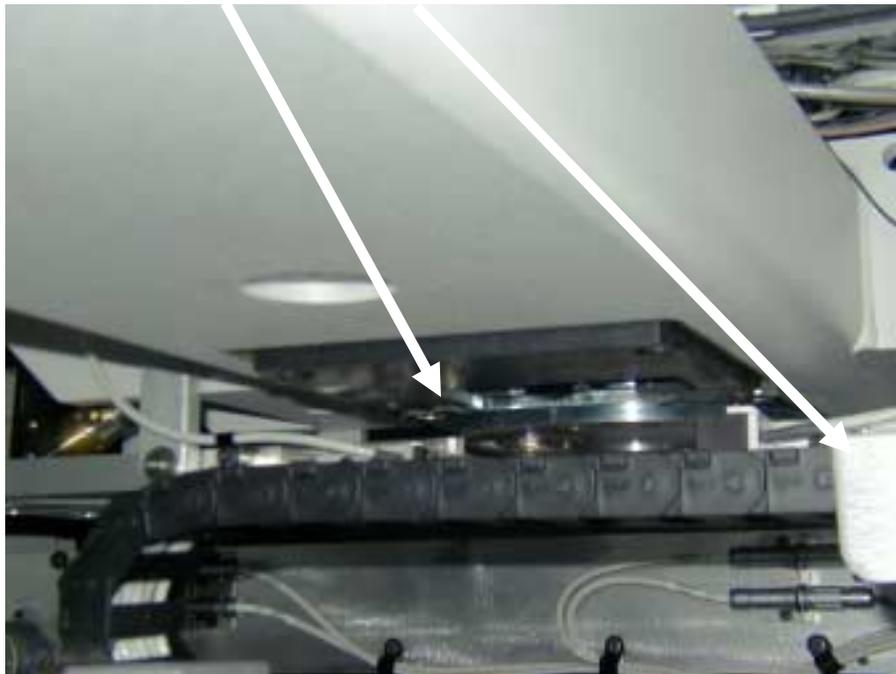


Figure 11.

Continued

18. Close the Rear and Top Access Panels.

19. Turn on the PDU.

20. Using the Mouse, double click on the Start 5DX Interface Icon.

21. Run Automatic Startup.

End of Procedure