

S E R V I C E N O T E

SUPERSEDES: NONE

HP 5DX Structural Process Test Systems Series I, II and 2L.

Potential X-Ray Emission

Serial Numbers: USXXXXXX114 / USXXXXXX430

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Quantity
E7200-04122	Bracket	1
2940-0307	Safety Screw	1

Situation:

A lead shield mounted on the outside of the 5DX is gravitating down. This creates a potential for an X-Ray Radiation emission.

NOTE

The Agilent spec is .150 mR/hr; the US CDRH spec is .500 mR/hr. The Japan Government spec is .179mR/hr. The lead shield E7200-27902 (on 5DX Series I and II's) and part number E7200-01242 (on 5DX Series 2L's) is cantilevered causing it to gravitate downward.

Continued

DATE: April 2000

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 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 checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: GS	ENTITY: 0980	AGILENT RESPONSIBLE UNTIL: 2001	
		ADDITIONAL INFORMATION:	





Figure 1. 5DX Series I with out Bracket(wob)



Figure 2. 5DX Series II with out Bracket(wob)



Figure 3. 5DX Series 2L with out Bracket(wob)

Solution / Action:

Implement this service note before doing X-Ray Survey. Add bracket to hold lead shield in place.

1. Locate lead shield. Lead shield is located by the cable access, at the left rear corner of the 5DX, as viewed from the front of the 5DX. Look behind the blue metal skirt. The lead shield is .2" (.51 cm) thick and 1.25" (3.18 cm) wide.
2. Remove screw securing ground strap at the end of lead shield.
3. Install bracket and replace ground strap with Safety screw.



Figure 4. 5DX Series I with Bracket (wb)

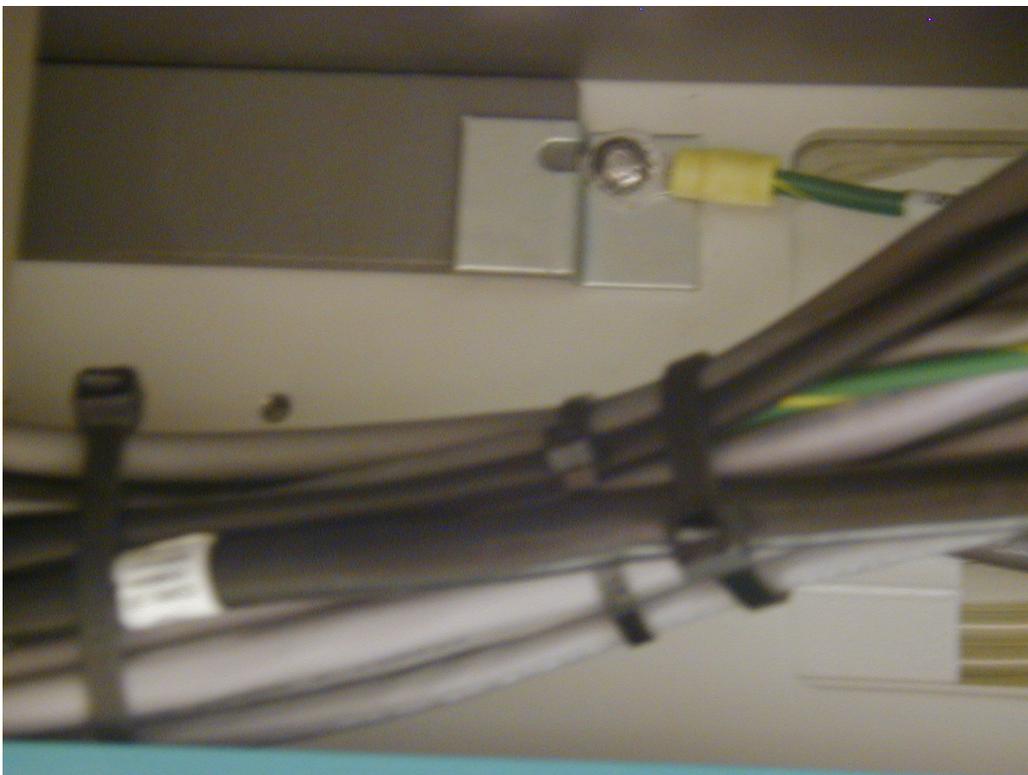


Figure 5. 5DX Series II with Bracket (wb)

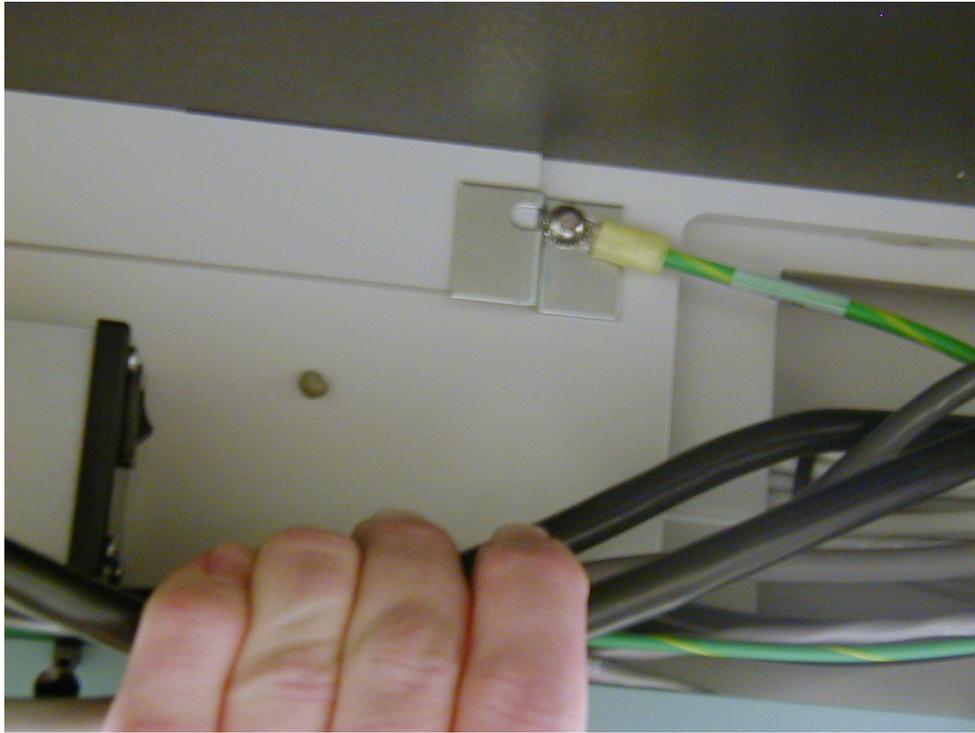


Figure 6. 5DX Series 2L with Bracket (wb)