

5DX-62-S

S E R V I C E N O T E

Supersedes: None

5DX Series I, II, 2L and 3 systems

Serial Numbers: USXXXX100-USXXXX671

POSSIBLE X-ray Emission HAZARD

WARNING

X-ray radiation emission levels may exceed the Agilent specification due to a potentially damaged or missing rivet in the Cabinet near the outer barriers.

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
N7200-60008	Rivet Repair Consumables Kit	1
N7200-69011	Rivet Repair Tool Kit	1

Situation:

On the inside of the system near the outer barrier panels, there may be a rivet that in certain panel applications gets hit by the stage. Over time, the rivet is moved back and forth by the stage and can create an enlarged hole in the lead shielding of the cabinet. The rivet will eventually break off due to metal fatigue, and this could allow an X-ray emission above the Agilent specification.

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
SAFETY			
ACTION CATEGORY:	X ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR: 0.5 Hours	
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE X ON-SITE <input type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: X RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN X SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	Lifetime of Product	AGILENT RESPONSIBLE UNTIL: Lifetime of Product	
AUTHOR: BRG PRODUCT LINE: 5DX			
ADDITIONAL INFORMATION: Charge parts and labor to warranty and reference SN-62-S in the CSO. Travel can also be charged. Return the tool kit to GTLS-Roseville.			

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Solution/Action:

Agilent CE's should inspect this area of each system for damaged or missing rivets when at a customer site. See Figures 1 and 2 below for identification of the affected areas. Most 5DX systems will not have any rivets in this area and hence will not experience this problem. It is expected that this condition affects only a handful of the systems in service.

If a damaged or missing rivet is found in this area, perform a local X-ray Safety Test on the area. If the emission levels are above the Agilent specification, the system should be shut down according to the process in the X-ray Safety Test Report.

Order the Rivet Repair Consumables Kit (N7200-60008) and the Rivet Repair Tool Kit (N7200-69011) from GTLS and charge to warranty citing 5DX Service Note 62-S. Repair the rivet according to the provided procedure at an agreed upon time. After the kit is installed, complete a local X-ray Safety Test and document the repair and emission levels on the appropriate report. Charge labor to warranty as well.

Return the Rivet Repair Tool Kit (N7200-69011) to GTLS-Roseville as instructed in the procedure.

Note: This kit should be ordered only after a damaged rivet is found on the system in the affected area. If there is a rivet in this area and it is not damaged, do not order this kit. Do not use this kit to replace rivets in other areas of the main cabinet.

Inspect the inside of the cabinet in the areas marked in red. Inspect the same areas of the cabinet for Series I and Series II Systems with loaders.

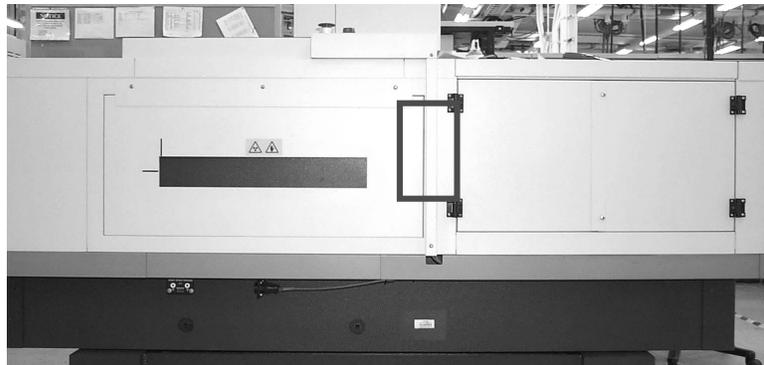


Figure 1: Right side of system

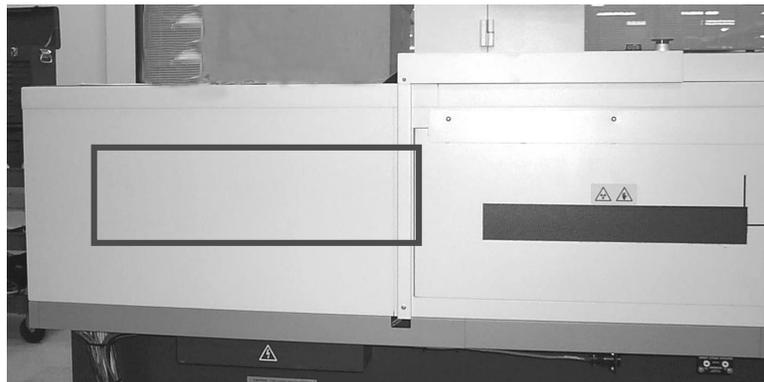


Figure 2: Left side of system