

5DX-67-S

S E R V I C E N O T E

Supersedes:
None

5DX Series I and II systems

Serial Numbers: USxxxxx101-USxxxxx248

POSSIBLE X-ray Emissions HAZARD

WARNING

X-ray radiation emission is possible on the side access panels near rivet locations.

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
N7200-68047	KIT, RIVET REPAIR	1
This kit contains:		
N7200-90149	Document, Kit Installation	1
N7200-07945	Washer, Lead	6
9310-6714	Glazier Point	12

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
SAFETY			
ACTION CATEGORY:		STANDARDS:	
X ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME		LABOR: 0.0 Hours	
LOCATION CATEGORY:		SERVICE INVENTORY:	USED PARTS:
<input type="checkbox"/> CUSTOMER INSTALLABLE X ON-SITE <input type="checkbox"/> SERVICE CENTER		<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY: Lifetime of product		AGILENT RESPONSIBLE UNTIL: Lifetime of product	
AUTHOR: JKC PRODUCT LINE: PL80			
ADDITIONAL INFORMATION:			

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Situation:

Lead shielding is attached to the steel frame of the access panels with two rivets and an adhesive. Over time the adhesive breaks down and the rivets alone are supporting the lead sheet. Due to system vibration, and the weight of the lead panel, the lead has been shown to deform on the rivet, which may allow x-ray emissions above the Agilent spec.

This has been fixed on newer systems by adding a lead washer behind each rivet.

Solution/Action:

CE's must carefully inspect this area of the system during the X-ray Safety Test every time it is performed. If a reading above the Agilent spec for X-ray emission is found, the system must be shut down according to the procedure in the X-ray Safety Test Report. Upon locating an emission level above the Agilent spec that appears to be coming from a rivet location on the access panels, the CE will install the parts according to the procedure and complete the X-ray Safety Test.