

MODIFICATION AVAILABLE – SERVICE / RELIABILITY
 ENHANCEMENT CHARGEABLE TO CONTRACT IF THERE IS ONE.

5DX-73

S E R V I C E N O T E

Supersedes:
 NONE

5DX Series 3 and Series 5000

Serial Numbers: USXXXX500 - USXXXX728

A new cable is available to allow the 5DX Laser Diodes to be turned off when not in use. This will significantly increase the life of the Laser assemblies.

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

P/N	Description	Qty.
N7200-68700	Laser On/Off Cable Installation Kit	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION AVAILABLE		
ACTION CATEGORY:	AGREEABLE TIME	<input type="checkbox"/> PERFORMANCE ENHANCEMENT <input checked="" type="checkbox"/> SERVICE / RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input checked="" type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	AVAILABLE UNTIL: End of Support
AUTHOR: Guy Sitler PRODUCT LINE: 80		
<p>ADDITIONAL INFORMATION: The N7200-68700 is orderable through GTLS. Customers may order this kit by contacting their local Agilent Customer Support Center (CSC).</p> <p>Customers may have an Agilent Customer Engineer install this kit by contacting their local Agilent Customer Support Center (CSC). The installation should only occur while the Customer Engineer is onsite for a Preventive Maintenance visit or some other previously scheduled appointment.</p> <p>Time and material should be billed to the Customers Support Contract. Customers operating without a Support Contract are responsible for the cost of this Serviceability/Reliability Enhancement.</p>		

© AGILENT TECHNOLOGIES, INC. 2003
 PRINTED IN U.S.A.



April 21, 2003

Situation:

The Front and Rear Laser assemblies (E7200-67919 and E7200-68034) have experienced high failure rates in Series 3 and series 5000 5DX Systems. The primary cause of failure for these assemblies is a burning out of the Laser Diode inside the Laser Head. Currently, the Laser Diodes are always ON, regardless of whether they are actively used or not. Since the life of the Laser Diode is directly proportional to the amount of time the Lasers Diodes are powered ON, a significant amount of Laser Diode life is being wasted under the current functionality.

Solution/Action:

A cable (N7200-61633) has been developed that connects the Laser Assemblies with the Digital Input/Output box. This allows the Laser Diodes to be turned ON when they are required for surface mapping and OFF during the rest of the PCA testing process. The software modifications to enable this to occur have been included with the 8.1 Software Release. It is expected that adding this functionality will significantly increase the life expectancy of the laser diode.

The Laser On/Off Cable Installation kit contains the cable and the installation procedure for connecting the cable to the components found in the Electronics Bay. The cable kit does NOT contain the 8.1 Software Release, which is also required for the laser switching.