

83496A-02**S E R V I C E N O T E**Supersedes:
NONE**83496A Clock Data Recovery Module**

Serial Numbers: [0000A00000 / 9999Z99999]

Process to upgrade an 83496A to 83496A-UAB**To Be Performed By: Agilent-Qualified Personnel Only****Parts Required:**

P/N	Description	Qty.
83496-80019	LABEL, 83496A-UAB	1
83496-60017	ASSEMBLY, CDR PRETESTED	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION AVAILABLE		
ACTION CATEGORY:	AGREEABLE TIME	X PERFORMANCE ENHANCEMENT <input type="checkbox"/> SERVICE / RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE X SERVICE CENTER	AVAILABLE UNTIL: EOS
AUTHOR: DFL PRODUCT LINE: 8F		
ADDITIONAL INFORMATION: Not To Be Billed to the Division		

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Situation:

Some customers may want to have 83496B capability added to their existing 83496A clock recovery module. After upgrading to the 83496A-UAB, the module will perform like the 83496B. This upgrade is to be charged as time and material to the customer.

Solution/Action:

1. Before starting the upgrade process, record the serial number and option configuration of the module to be modified. After the installation of 83496A-UAB, the option configuration must be set to the exact configuration as it was received with the addition of option UAB.
2. Referring to the 83496A replacement procedures in the Agilent 83490 Series Clock Data Recovery Plug-in Module Service Guide, Remove the A1 clock recovery board assembly.
3. Install the new, pretested, A1 clock recovery board assembly, part number 83496-60017, in its place.
4. Carefully remove the 83496A name plate and install the 83496A-UAB nameplate in its place.
5. After the installation of the new hardware, perform a verification procedure using the Adjustment/Cal testing suite on the Lightwave Division Test Executive.
6. Register the device. Add the options that were recorded when the module was received and add option UAB. For example, if the 83496A was received with option 101 and 200, then register the DUT with option 101, 200, and UAB. Save the new registered device.
7. Run all the Adjustment/Calibration tests including Initialization. The DUT will be tested with the same performance specifications as an 83496B.

Install Time: 1 Hour (covers installation of the new clock recovery board assembly, installation of the nameplate)

Calibration Time: Attended 1.0 hours (setup cabling for the automated test system). Automated 3.0 to 4.0 hours depending on the option configuration.