

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

**81940A-01**

# S E R V I C E N O T E

Supersedes:  
NONE

81940A, 81949A, 81980A, 81989A Compact Tunable Laser  
Sources

Serial Numbers: [0000A00000 / 9999Z99999]

**Firmware update to fix possible wavelength offset**

**To Be Performed By: Customer**

**Parts Required:**

P/N	Description	Qty.
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NONE

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
<b>MODIFICATION AVAILABLE</b>		
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 type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	AVAILABLE UNTIL: Dec. 2005
AUTHOR: VE    PRODUCT LINE: PL 3E		
ADDITIONAL INFORMATION:		

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November 17, 2004

**Situation:**

In rare cases and large temperature change in short period of time there is a chance that the wavelength of the compact tunable laser source may be slightly offset.

**Solution/Action:**

Firmware patch 4.57 allows to realign the laser cavity.

After fw upgrade to release 4.57 from an earlier version, cavity realignment must be performed, once. The realignment must be user triggered via the menu function, it does not perform automatically.

Under normal conditions, cavity realignment is not required to be performed a second time.

Units shipped with fw 4.57 (or higher) installed, are already re-aligned by the factory.

Users should perform second realignment only upon request by an Agilent service and support organization.

**Caution:**            **Before starting the re-alignment, disconnect all fibers from the tunable laser's optical output. During the realignment process, light will be emitted from the optical output.**

Note:                    Be sure that the instrument is unlocked and the remote interlock connection is closed. The realignment process will not start otherwise

Note:                    To get the specified performance, ensure that the warm-up time has passed before starting the realignment.