

S E R V I C E N O T E

SUPERSEDES: None

3070 Board Test System

Serial Numbers: 317X Series I US32050115, US32050156, US32050181,
US32050231, US 32050232, US32050233, US32050243, US32050244

317X Series II US34230101/US34230829

317X Series 3 US 38240101/US38240192 and US38240194

Problem with full size fixture on two module systems

Situation:

The 317X systems shipped between 6/9/94 and 1/5/99 have a fixture support bar on the non-contact side of the testhead. Originally it was too thick and may contribute to specific types of intermittent fixture contact problems when full sized fixtures are used. This issue has been corrected in production and systems shipped after 1/5/99 have the correct size bars. Full sized fixtures are those that completely cover both bank 1 and 2 of the testhead. The purpose of the bar is to support a full sized fixture on the 317X testhead. The bars that were slightly too thick can cause the full bank fixture to bend when the fixture is pulled down. This may cause fixture contact problems on the side of the fixture closest to the support bar. Keep in mind that other factors may also cause fixture contact problems. The support bar will only impact contact performance on the bar side of full size fixtures when in use on a 317X.

Continued

DATE: September 1999

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 type="checkbox"/> CUSTOMER INSTALLABLE <input checked="" type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	AVAILABLE UNTIL:	September 2000
AUTHOR: CP	ENTITY: 0980	ADDITIONAL INFORMATION:	

Solution/Action:

For customers using full bank fixtures on a 317X testhead and experiencing poor fixture contact on the side of the fixture closest to the bar, the bar may be replaced. The bar replacement will impact fixture contact problems only on systems with both of the following characteristics:

1. Full size fixture in use on a 317X system
2. Contact problems on that fixture are primarily limited to the support bar or non-contact side of the fixture. (An ideal test for this problem is to try the fixture on a 307X system. If it works fine there but not on the 317X, then replacing the bar should have a positive impact.)

As with most fixturing issues, poor registration or small contact pads (.03 inch in diameter or less) will increase the impact. A replacement bar is available through GSL. Part numbers for the kits are:

E1170-68700 Kit for Series II systems
E9998-68700 Kit for Series 3 systems

CE Logistics:

Series I or II: Bar replacement should be done during a regularly scheduled maintenance visit. No travel charges are authorized. The CE can charge up to 0.5 hours of labor to this service note. For Series I systems follow the Series II instructions. Note that the initial Series I 317X systems did not ship with a support bar and are not set up to handle the bar installation. The replacement bar is only intended for systems originally shipped with a bar.

Series 3: Bar replacement should be done during a regularly scheduled maintenance visit. No travel charges are authorized. The Series 3 bar install is an extremely simple 5 minute operation. No labor charges are authorized. The correct Series 3 system cover MUST be on the Series 3 system before the bar is installed. See Service Note 3070-45A-S for details.

Note:

Agilent Board Test representatives (CEs) filling out a Customer Service Order (CSO) supporting this service note MUST write the service note number in the detail section or the Service Note section. In addition, 02G MUST be used in the type field. If this procedure is not followed, the CSO may not be accepted.

For questions contact your Board Test Representative or MSKC Representative.