

SAFETY – IMPLEMENTED DURING NORMAL COURSE
OF PROVIDING SUPPORT

SP50-12-S

S E R V I C E N O T E

Supersedes:
NONE

SP50 Series 1 and 2 AOI Systems

Serial Numbers: All

POSSIBLE PINCH HAZARD

WARNING

Pinch Hazard accessible through the side openings of the system

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required: NONE

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
SAFETY			
ACTION CATEGORY:	AGREEABLE TIME	STANDARDS:	LABOR: 1.0 Hours
LOCATION CATEGORY:	ON-SITE	SERVICE INVENTORY: SEE TEXT	USED PARTS: SEE TEXT
AVAILABILITY:	End of Support		
AUTHOR: Jim Tracey	PRODUCT LINE: 80		
ADDITIONAL INFORMATION: Reference the service note number in the activity description field of the SR.			

© AGILENT TECHNOLOGIES, INC. 2006
PRINTED IN U.S.A.



May 12, 2006

Situation:

There is a potential risk of an operator's hand being contacted by the AWA and minor injuries received if the user leaves their hand in the system while the AWA is moving. To prevent this risk we are making a change to the system to monitor the Entry and Exit sensors during AWA movements to stop the system if these sensors are activated by a Person or object. The probability of injury is considered low since the motion of the AWA is very slow (<0.5 in/sec), and there are emergency stops within 3.5 ft (1.1m) on either side of the board entry point.

After the AWA motion is stopped, the User is required to reset the conveyor controller by pressing the Push Button on the front of the machine, at which point a message will be displayed in the UI detailing this action to be carried out.

This change is an additional measure to the Existing two Emergency Stop Push Buttons on the front of the machine to ensure User Safety while operating this equipment.

In systems manufactured before April 1, 2006, the Entry and Exit Sensors on the system do not disengage the AWA Motors if a User or a board is detected. This is now corrected in this new controller SW release. This safety fix is recommended to ensure the AWA motion is terminated if the monitoring sensors are tripped.

The Procedure will be as follows.

- 1: AWA in Motion by using the UI or Manual Push buttons.
- 2: System sensors detect an object over the Entry / Exit sensor.
- 3: System will shut off the AWA immediately and a message will appear in the main UI as shown below.
- 4: To remove the Error the user must press the main PLC Reset push button to clear the Error and allow the AWA to operate.

Solution/Action:

The new PLC Program required to apply this fix is available to your local Field Engineer, who can load this onto your equipment. Agilent is asking all Support Providers (CEs, ASPs etc) to implement the patch to address this safety issue on their next service call to customers with SJ/SP50's manufactured prior to April 1, 2006 (Series 1 and 2).

A copy of this patch with instructions will be placed on the Agilent User Ftp site. Details of this are as follows.

Site: <ftp.agilent.com>
Login: iiogui
Password: Ar93ntiL

The folder will be SJ/SP AWA Upgrade.

If you have special existing requirements for your system conveyor handling programs please consult the local field team.

If you are interested in having this fix applied to your equipment prior to your next service call, please contact your local Field Engineer or Agilent representative.

The CE/ASP must provide the customer with a copy of this safety note to ensure they understand the changes which have been implemented and the reason for them.