SJ50-01

S E R V I C E   N O T E

Agilent SJ50 Optical Board Test System
Model: N5065A Options 001 and 002

Serial Numbers: All

The use of SJ inspection GUI version 4.07 requires that the AWA GUI be opened in the background at certain times. However, on some versions of the AWA paragon firmware there is the possibility of a conflict between the SJ GUI and the AWA GUI under certain conditions.

In order to resolve these potential issues, it is necessary for all systems to have their paragon firmware upgraded to either 1.18 or 2.18 or earlier than 1.7

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

P/N	Description	Qty.
5186-2190	**L50i Paragon Driver**	**1**

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	[[]] IMMEDIATELY [[]] ON SPECIFIED FAILURE **X** AGREEABLE TIME	STANDARDS: LABOR: 2.0 Hours	
LOCATION CATEGORY:	[[]] CUSTOMER INSTALLABLE **X** ON-SITE [[]] SERVICE CENTER	SERVICE INVENTORY: [[]] RETURN [[]] SCRAP **X** SEE TEXT	USED PARTS: [[]] RETURN [[]] SCRAP **X** SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL:	
AUTHOR: Ba. Kavanagh	PRODUCT LINE: 80		
ADDITIONAL INFORMATION:			

Agilent Technologies

February 11, 2004

This service note is designed to help the user determine which version of paragon firmware their system is running and what actions, if any, are required to rectify the potential conflict situation.

Situation:

GUI Hanging

The GUI may hang if the following conditions are in place:

- The AWA GUI software is running,
  and
- The paragon firmware code is anything **other than** versions 1.18, 1.7 or earlier than 1.7 or 2.18,
  and
- The E-stop is activated and is then reset with 5 seconds.

Solution/Action:

Determining the Firmware Version

Requirements

The following are the requirements for using Firmware:

- Paragon L50i with firmware rev 2.XX
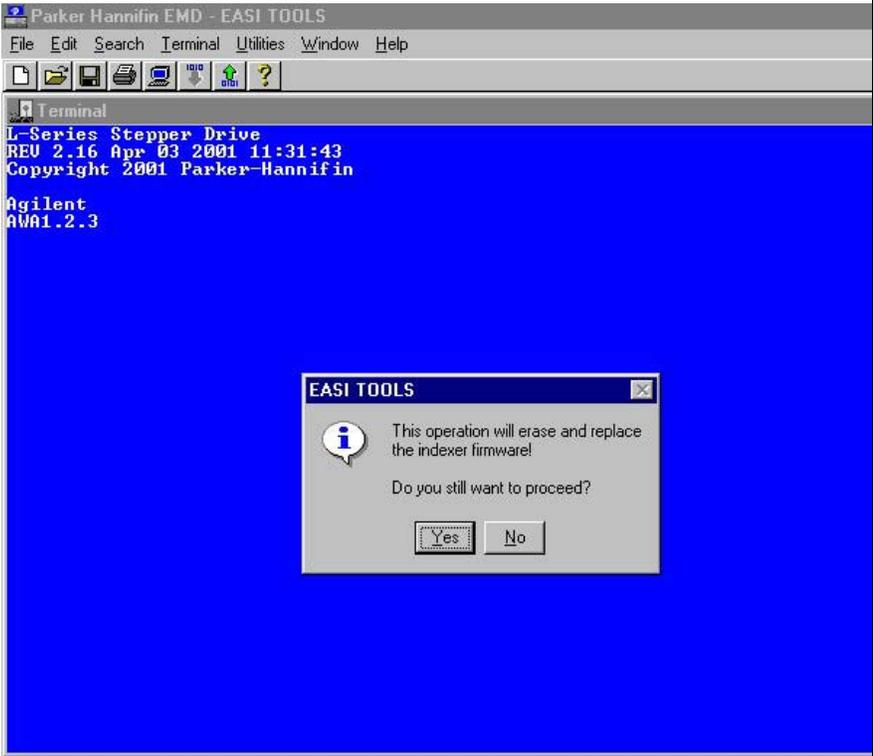- EASI TOOLS v1.5
- 2.18.h86
- awa123.prg

Steps

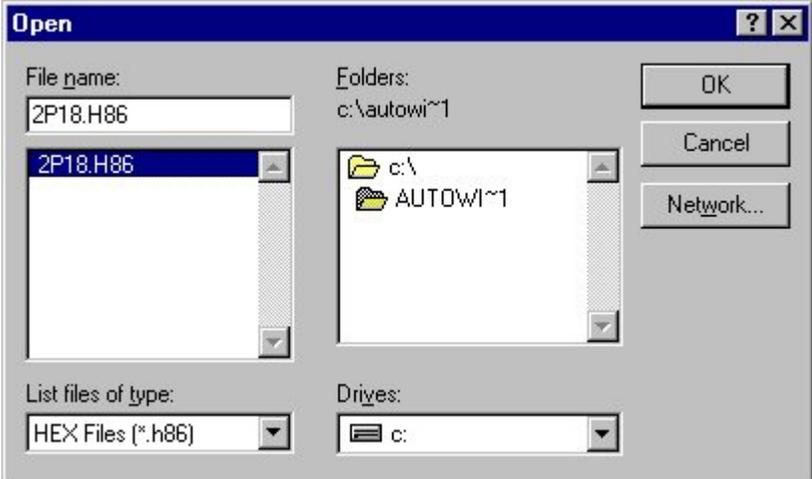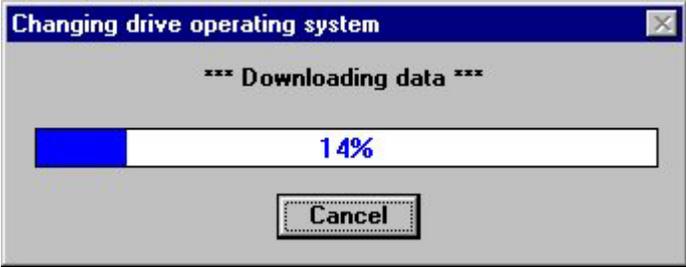Determine what Firmware version is running on your system using the following steps:

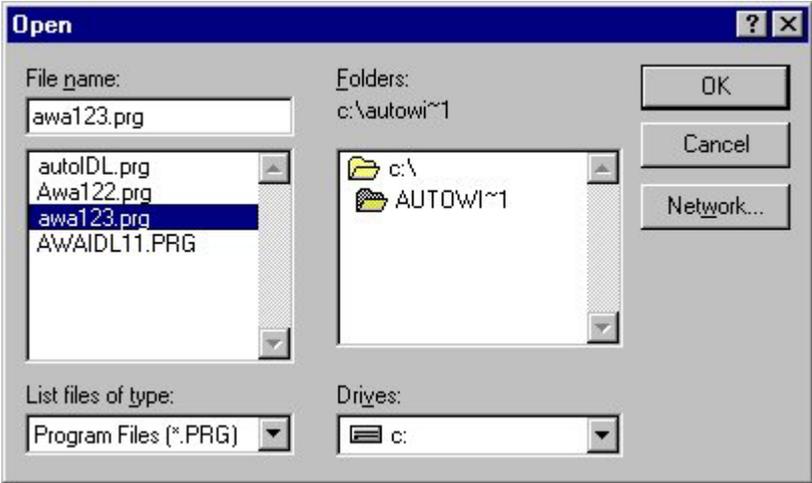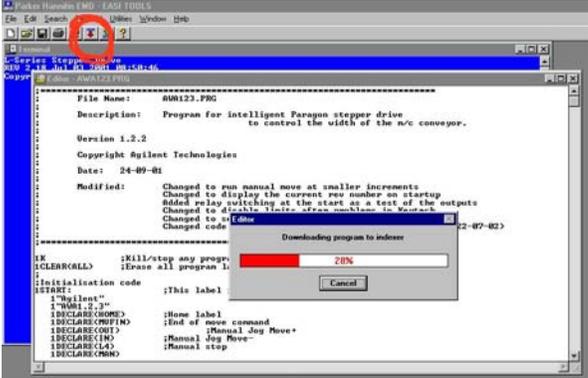| Step	Action
1	Uninstall any version of EASI TOOLS already on the hard drive. This is done through the **Add\Remove Programs** option in the **Control Panel**.
2	Install EASI TOOLS v1.5 When you start **EASI TOOLS** next, you should see the following splash screen.
3	Open EASI TOOLS by going to **Start -> Programmes -> EASI-TOOLS Application -> EASI TOOLS**.
4	Connect to the L50i through the Terminal using the terminal icon as shown:

5	Type "**1Z**" (one Z) and press ENTER. The drive resets and displays the firmware revision in the message on screen. Here we can see the revision is 2.16

Upgrading Firmware from Version 2.XX to Version 2.18

Steps

Upgrade the Firmware from version 2.XX to version 2.18 using the following steps:

Step	Action
1	Check the Firmware version using the steps outlined in Determining the Firmware Version. If you need to upgrade, continue to step 2.
2	Press **Ctrl-Alt-P** on the keyboard. Release the **P** and you are prompted with the following message:

3	Click **Yes**, and the following dialog is displayed with the setup of the system:

Download drive operating system

Current revision

2.0 or later ⊙
before 2.0 ○

Axis address : 1

Drive is in a **m**ulti-axis system ☐

Ok   **C**ancel

4	Click **OK** if this is correct.
5	Select the firmware file 2P18.h86 to download to the drive.

Open

File **n**ame:
2P18.H86

2P18.H86

List files of **t**ype:
HEX Files (*.h86)

Folders:
c:\autowi~1

c:\
AUTOWI~1

Dri**v**es:
c:

OK

Cancel

Net**w**ork...

Click OK and the Firmware software downloads to the drive. This takes approximately 15 minutes. The first progress bar runs through quickly – the second runs through very slowly.

Changing drive operating system

*** Downloading data ***

14%

Cancel

6	When the Firmware software has finished downloading, you will be asked if you want to program another drive. Click **NO**.
7	E-Stop the machine and reset the E-Stop by pushing the E-stop reset button. This is a power cycle of the Paragon drive.

8	Open **the awa123.prg** file.
9	Download the file using the download icon as shown:
10	When the file has finished downloading, the drive must be armed. This is done as follows.
11	Type "1ARM1" then press ENTER.
12	Type "1SV" then press ENTER.
13	Type "1Z" then press ENTER.
14	The firmware upgrade is now complete, and the drive is ready for use in the AWA.