

MODIFICATION Required –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

E2228A-01

S E R V I C E N O T E

Supersedes:
None

Agilent E2228A TS-5410 Functional Test System
(Siemens VDO Configuration)

Agilent E2230A TS-5410 Functional Test System

Agilent E2235A TS-5400 Family Controllers

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION Required			
ACTION CATEGORY:	☐ IMMEDIATELY ☐ ON SPECIFIED FAILURE ☒ AGREEABLE TIME	STANDARDS: LABOR: 0.0 Hours	
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☒ ON-SITE ☐ SERVICE CENTER	SERVICE INVENTORY: ☐ RETURN ☐ SCRAP ☐ SEE TEXT	USED PARTS: ☐ RETURN ☐ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		
AGILENT RESPONSIBLE UNTIL:			
AUTHOR: JD PRODUCT LINE: BL			
ADDITIONAL INFORMATION:			

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Serial Numbers:

**E2228A: US43310001 and Greater
US43400101 and Greater**

**E2230A: US43310001 and Greater
US43400101 and Greater**

E2235A:

Karben	
AC35000257	SIEMENS VDO AUTOMOTIVE AG KARBEN
AC37000611	SIEMENS VDO AUTOMOTIVE AG KARBEN
AC39001398	SIEMENS VDO AUTOMOTIVE AG KARBEN
AC3A001143	SIEMENS VDO AUTOMOTIVE AG KARBEN
AC3B000000	SIEMENS VDO AUTOMOTIVE AG KARBEN
AC3B000003	SIEMENS VDO AUTOMOTIVE AG KARBEN
AC3A001143	SIEMENS VDO AUTOMOTIVE AG KARBEN
US43310006	SIEMENS VDO AUTOMOTIVE AG KARBEN
US43310006	SIEMENS VDO AUTOMOTIVE AG KARBEN
US43400103	SIEMENS VDO AUTOMOTIVE AG KARBEN

Regensburg	
AC39001397	SIEMENS VDO AUTOMOTIVE AG REGENSBURG
AC39001399	SIEMENS VDO AUTOMOTIVE AG REGENSBURG
AC39001405	SIEMENS VDO AUTOMOTIVE AG REGENSBURG
AC3A001145	SIEMENS VDO AUTOMOTIVE REGENSBURG
AC3B000004	SIEMENS VDO AUTOMOTIVE AG REGENSBURG
AC3B000007	SIEMENS VDO AUTOMOTIVE AG REGENSBURG
US43310001	SIEMENS VDO AUTOMOTIVE REGENSBURG
US43310002	SIEMENS VDO AUTOMOTIVE REGENSBURG
US43310003	SIEMENS VDO AUTOMOTIVE REGENSBURG
US43310004	SIEMENS VDO AUTOMOTIVE AG REGENSBURG
US43310005	SIEMENS VDO AUTOMOTIVE REGENSBURG

Frenstat	
AC3A000447	SIEMENS AUTOMOBILLOVE SYSTEMY FRENSTAT
AC3B000009	SIEMENS AUTOMOBILLOVE SYSTEMY FRENSTAT

Villingen	
AC2A000445	SIEMENS VDO AUTOMOTIVE AG VILLINGEN
AC39001401	SIEMENS VDO AUTOMOTIVE AG VILLINGEN
AC39001402	SIEMENS VDO AUTOMOTIVE AG VILLINGEN
AC3A000431	SIEMENS VDO AUTOMOTIVE AG VILLINGEN
AC3A000432	SIEMENS VDO AUTOMOTIVE AG VILLINGEN
AC3A000433	SIEMENS VDO AUTOMOTIVE AG VILLINGEN
AC3A000434	SIEMENS VDO AUTOMOTIVE AG VILLINGEN-
AC3A000435	SIEMENS VDO AUTOMOTIVE AG VILLINGEN
AC3A000446	SIEMENS VDO AUTOMOTIVE AG VILLINGEN
AC2A000445	SIEMENS VDO AUTOMOTIVE AG VILLINGEN
AC3A000448	SIEMENS VDO AUTOMOTIVE AG VILLINGEN

AC3A000449	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3A000463	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3A001141	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3A001142	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3B000008	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3A001144	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3B000002	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3B000008	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3C000274	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3C000275	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3C000276	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3C000278	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3C000279	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3C000280	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3C000281	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3C000282	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3C000472	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3C000473	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3C000474	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3C000476	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3C000477	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC3C000526	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC41000103	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC41000104	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC41000105	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC41000106	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC41000107	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC41000108	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC41000109	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC41000651	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC41000652	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN
AC41000661	SIEMENS VDO AUTOMOTIVE AG	VILLINGEN

Other	
AC3A001145	CABRERA LLAMAS FORWARDING LAREDO TX
AC41000659	CABRERA LLAMAS FORWARDING LAREDO TX
AC41000706	CABRERA LLAMAS FORWARDING LAREDO TX
SC41000662	CABRERA LLAMAS FORWARDING LAREDO TX

BIOS Update

The purpose of this BIOS update is to resolve Microsoft® XP activation issues associated with operating systems on first release E2228A and E2230A Functional Test Systems, and E2235A System Controllers.

To Be Performed By: Agilent-Qualified Personnel Only

Parts Required:

P/N	Description	Qty.
----	3.5" floppy disk	2

Situation:

Upgrade or recovery of system PCs with BIOS version V2.00 requires the customer to contact Microsoft® to re-activate the XP operating system once the PC is re-imaged. Updating the BIOS to version E2.07 eliminates the need to contact Microsoft® for XP activation.

Solution/Action:

BIOS version V2.00 on the system PCs in the above serial number ranges must be updated to version E2.07 per the following procedure.

***** **CAUTION** *****

This procedure is to be performed on systems with PC BIOS version V2.00 only. Using this procedure on system PCs with other BIOS versions may make those PCs unusable.

1. Obtain copies of the BIOS flash utility and BIOS file.

A. Before going to the customer site, download the files “awdf flash.exe” and “6186e207.bin” to a 3.5” disk or other location where they can then be copied to a startup disk at the customer site. The files are located at:

- http://systems.product.agilent.com/system_support/
- once there, scroll down to “System Support Links” and under “Defense, Aerospace and Transportation” click on “TS-5400 Series II.” Download the files listed under “BIOS Upgrade Files.”

2. Verify Current Bios Version on the Customer’s System PC.

A. Restart the system PC. When the restart process begins, press the ‘Pause’ key once the BIOS version information appears. This information should read:

PCA-6186 BIOS Version V2.00 Date: 11/14/2002

If the BIOS version is not V2.00, it is not necessary to perform the update.

B. Press the ‘Enter’ key to continue and complete the restart process.

3. Create an MS-DOS startup disk.

A. Insert a new 3.5” floppy disk into the system PC. Open Windows Explorer, right-click on the floppy drive (A:) and select “Format...”. In the Format Options dialog box, select “Create an MS-DOS startup disk” and click ‘Start’.

B. Once the startup disk is created, copy “awdf flash.exe” and “6186e207.bin” (from Step 1) to the startup disk.

C. Install the startup disk in the system PC and restart the computer.

D. At the A:\ prompt, type “awdf flash.exe 6186e207.bin /cd”. Note, you must include “/cd” in the command string for the update to complete successfully.

E. Verify that you are using version 8.24 of the flash utility. The screen should display “AWDF LASH V8.24C” near the top of the monitor.

F. The program will momentarily display “Please input File Name”, followed by “Please Wait”. This is normal – do not do anything during this period.

G. When prompted with “Do you want to save Bios (Y/N),” click the ‘N’ key. When prompted with “Press ‘Y’ to Program or ‘N’ to Exit,” click the ‘Y’ key.

H. Verify that no write failures occur during the update. Failures are indicated in red in the progress box. When finished, follow the instructions by removing the floppy disk and clicking F1 to restart the computer.

I. Verify the BIOS update is complete. During the restart (Step H):

PCA-6186 BIOS Version E2.07 Date: 02/02/2004

should appear in the BIOS information section of the restart process.