INFORMATION ONLY

E8267D-12A

S E R V I C E   N O T E

E8267D Vector Signal Generator

Serial Numbers: ALL

Error code 617 configuration error can indicate the CPU is not able to detect an assembly. This service note documents the name and status for each assembly and what information should be displayed on the Installed Board Info screen. The Install Board Info is located under the Utility key.

Parts Required:

P/N	Description	Qty.

None

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
INFORMATION ONLY	
[X] Calibration Required	PRODUCT LINE: 15
[[]] Calibration NOT Required	AUTHOR: PY
ADDITIONAL INFORMATION:	

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Situation:
Error code 617 indicates the CPU is having problems recognizing some of the installed hardware. The primary reasons the error may occur is because the hardware is missing, or the board header information is missing, or the mother board is defective. Reviewing the Installed Board Info can help pinpoint which assembly(s) the CPU cannot locate and can be helpful in troubleshooting the problem.

Solution/Action:
1. Go to the Installed Board Info screen (press Utility, Instrument Info/Help Mode, and Installed Board Info) and compare the displayed 'Description List' with the table below. Any assembly status showing as MISSING and is incorrect would mean there is a problem. So note the board name and go to step 3.

   Note - Some assemblies are options related and will be displayed only when the option is installed.

2. Review each assembly status.
   a. If the status in the list is DETECTED, it indicates the CPU should is able to read the header information. If the CPU cannot read the header information it will report something other than DETECTED. Proceed to step 3.
   b. If the status is FIXED, it means the assembly is not detectable but should be installed based on option configuration. For FIXED status assemblies if the option hardware is installed but the status does not show as FIXED go to step 6.

Description	Status	Bus
ALC	DETECTED	Parallel
ANALOG MOD GEN	DETECTED	Parallel
CPU	DETECTED	
DIG BUS BBGEN (only w/option 601/2 installed)	DETECTED	Parallel
FRACN	DETECTED	Serial
HARD DRIVE (only w/option 601/2 installed)	DETECTED	
IQ MUX	DETECTED	Parallel
LOW BAND FILTER (only with option 1EH)	DETECTED	Parallel
LOW BAND OUTPUT	DETECTED	Parallel
MECH ATTEN	FIXED	
MICRO INTERFACE	DETECTED	Parallel
MOTHERBOARD	DETECTED*	
PULSE MODULATOR (only w/option UNW)	FIXED	
REFERENCE	DETECTED	
SAMPLER	DETECTED	
YIG DRIVER	DETECTED	

* Header information is not loaded in replacement mother boards. After replacing the mother board, contact the support engineer and request for header information to be loaded.

3. If any assembly name is MISSING or the status is incorrect make sure the assembly is properly installed. It is extremely important when dealing with a MICRO INTERFACE problem to check the ribbon cables between the mother board and the MICRO INTERFACE.

4. If all the assemblies for the parallel or serial bus are missing work through the following steps until the problem is resolved:

   a. remove and reinstall the CPU
   b. remove all the boards for that bus and install one at a time. If the assemblies are detected until one board is installed, that assembly is loading the bus and needs to be replaced.
   c. replace the CPU
   d. replace the mother board.

5. If an assembly shows DETECTED for the old assembly but not when the new assembly in installed, the new assembly header information is most likely missing. The board is DOA, Defective On Arrival (except for the mother board as noted) and should be returned and reordered. Missing header information indicates the assembly did not go through all the processes.
6. Verify that the option license key is installed and that a check mark appears after the license key. If there is no check mark, the license key is incorrect and needs to be reinstalled. Contact the PSE, Product Support Engineer for assistance in getting the license key information.

Revision History:

Revision Number	Date	Author	Reason For Change
1.0	Oct 2, 2006	Dan Macnamee	As published
2.0	Aug 1, 2014	Petrina Yong	Clarify the procedure – missing Step3.