

# 860 Bad Mainboard and Fatal Errors

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These messages almost always indicate that the mainboard is malfunctioning and must be replaced. These messages are not numbered and usually appear when the instrument is first turned on. Refer to the following table for a list of messages.

**Table 860-1 Bad Mainboard and Fatal Error Messages**

<b>Pop-up message</b>	<b>Comments</b>
<b>BAD MAINBOARD</b>	
Main FPGA Failure	Replace mainboard
Static RAM Failure	Replace mainboard
Boot ROM Checksum	Replace mainboard
ROM #2 Checksum	Replace EEPROM 2.
ROM #3 Checksum	Replace EEPROM 3.
Incorrect ROM #2	EEPROM 2 or 3 is installed in the wrong position. Change the position the EEPROM is installed in.
Incorrect ROM #3	
ROM #2 wrong version	The version of either EEPROM 2 or 3 is different than that of the other EEPROMs.
ROM #3 wrong version	
DMA FPGA Failure	Replace mainboard
DRAM Failure	Replace mainboard
<b>FATAL ERROR</b>	Replace mainboard for all of the following errors.
Exception Vector	
Bus Error	
Address Error	
Illegal Instruction	
Divide by Zero	
No 512Hz Interrupt	

