



# Tech Info Library

## Apple TechStep: Floppy-Disk Error Codes (4/93)

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### TOPIC -----

I am using the Apple TechStep on a Macintosh IICx. After running the floppy test on a suspect floppy drive mechanism, the Apple TechStep reports "drive failed error 5601".

I did not find documentation for this code in my Apple TechStep Troubleshooting Guide. What does this error mean?

### DISCUSSION -----

The Apple TechStep error reported indicates the floppy drive is suspect or the test disk is faulty.

Error 56xx indicates that the 1.4MB write test has failed (failure to write to disk) or the test disk itself is faulty. The xx portion of the error refers to the subtest being performed.

Use the Apple TechStep ROM pack on another system and perform the same tests. If the tests pass, then the Apple TechStep ROM pack is fine and the floppy drive on the IICx is suspect.

For a complete listing of Apple TechStep Error Codes and troubleshooting tips for Macintosh products, please reference the Apple TechStep Troubleshooting Guide Volume 3. The Apple TechStep Troubleshooting Guide Volume 3 is included with the ROM Pack (Volume 3) for the Apple TechStep. The part number for the Volume 3 ROM pack is 652-0614.

### Apple TechStep Floppy Error Codes

Error Code	Explanation	Probable Cause
21xx	Motor control handshake test failed.	Floppy drive
22xx	Recalibration test failed.	Floppy drive

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-----I-----I-----
24xx      I  Rapid head step test failed.      I  Floppy drive
-----I-----I-----
25xx      I  Head overstep test failed.          I  Floppy drive
-----I-----I-----
31xx      I  Mode Change timing test failed.     I  Floppy drive
-----I-----I-----
32xx      I  Step time test failed.              I  Floppy drive
-----I-----I-----
33xx      I  Motor speed change time test fail   I  Floppy drive
-----I-----I-----
34xx      I  GCR motor start timing test failed.  I  Floppy drive
-----I-----I-----
35xx      I  800K speed test failed.             I  Floppy drive
-----I-----I-----
37xx      I  720K speed test failed.            I  Floppy drive
-----I-----I-----
38xx      I  1.4MB speed test failed.            I  Floppy drive
-----I-----I-----
42xx      I  800K format test failed.           I  Floppy Drive/test
      I                                     I  disk is faulty.
-----I-----I-----
43xx      I  800K read/write test failed.        I  Floppy Drive/test
      I                                     I  disk is faulty.
-----I-----I-----
51xx      I  720K format test failed.           I  1. Disk is suspect/
      I                                     I  test disk faulty
      I                                     I  2. Floppy Drive
-----I-----I-----
52xx      I  1.4MB format test failed.           I  1. Disk is suspect/
      I                                     I  test disk faulty
      I                                     I  2. Floppy Drive
-----I-----I-----
53xx      I  720K read/write test failed.        I  1. Disk is suspect/
      I                                     I  test disk faulty
      I                                     I  2. Floppy Drive
-----I-----I-----
54xx      I  1.4MB read/write test failed.       I  1. Disk is suspect/
      I                                     I  test disk faulty
      I                                     I  2. Floppy Drive
-----I-----I-----
55xx      I  720K write test failed.             I  1. Disk is suspect/
      I                                     I  test disk faulty
      I                                     I  2. Floppy Drive
-----I-----I-----
56xx      I  1.4MB write test failed.           I  1. Disk is suspect/
      I                                     I  test disk faulty
      I                                     I  2. Floppy Drive
-----I-----I-----
Unknown  I  Invalid error code.                I  Floppy Drive
-----I-----I-----

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