DATACAD LLC

TECHNICAL BULLETIN

Errors and Fixes for DataCAD 7

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Error Message: User Interrupt in Line 714 when reading an AutoCAD .DWG file.
Problem: The .DWG file is in AutoCAD 13 or 14 format.
Solution: Save the .DWG file in AutoCAD 12 format from within AutoCAD 13 or 14.

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Error Message: Floating Point not Loaded
Problem: No Math Co-processor installed in computer.
Solution: Install Intel Math Co-processor in computer.

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Error Message: Run Time error R6001 - Null Pointer Assignment
Problem: No Math Co-processor installed in computer.
Solution: Install Intel Math Co-processor in computer.

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Error Message: Not Enough Memory to run DataCAD
Problem: Not enough Base (Conventional) memory under 640K available.
Solution: Unload any unused TSR from memory and free up as much Base memory as possible (570K minimum required).

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Error Message: Unable to open message file. Check CONFIG.SYS for Files=40.
Problem: Temporary and/or Virtual files (in DataCAD Config under pathnames) are set to an invalid path.
Solution: Go into DataCAD Config and set the paths for Temporary and Virtual files to the hard drive (C:\).

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Error Message: DataCAD Environment Variable DCAD_ROOT is not Declared Abnormal Program Termination: Memory Protection Fault
Problem: While writing a DWG file from within a DataCAD drawing.
Solution: Add SET DCAD_ROOT=C:\DATACAD (substitute your DataCAD directory name if different than DATACAD) to RUNDCAD.BAT.

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Error Message: Illegal Message ID: 195
Problem: Corrupt DataCAD program files.
Solution: Reinstall DataCAD program files.

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Error Message: File Error 3 (when saving or loading layers)
Problem: There are three causes for this:
   1. Out of disk space in path in which layers are saved to.
   2. Path that layers are saved to is either invalid or does not exist.
   3. In the CONFIG.SYS file, BUFFERS and FILES are set below the minimum.

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Error Message: File Error 4 (when saving drawing file)
Problem: Reduced FILES and BUFFERS statements in CONFIG.SYS
Solution: Increase FILES and BUFFERS statements in CONFIG.SYS

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Error Message: Internal Diagnostic Fault 11 error from 8082
Problem: Cannot add entities to drawing file and locks file. Drawing file is too large (8 MB limit).
Solution: Reduce drawing file size using Layer Utility macro, or if Layer Utility doesn't work,
    layers must be saved using the SaveLyr function in the Layer menu.

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Error Message: Internal Diagnostic Fault 40 error from 8082
Problem: Clip-it macro does not empty the Undo buffer.
Solution: Go back into the original file, go into Clip-it macro, exit Clip-it macro, and save out
    layers using Layer Utility macro. Make sure layers are saved into a new layer
    filename. Exit current drawing file. Start a new drawing file with nothing in it and load
    layers into this new file.

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Error Message: Unable to open SUP\DCAD.LIN - when using ReadDWG
Problem: Upgraded to DC7 and the Default file is set to DEFAULT.DC5
Solution: Go into the DataCAD Config and for the Default drawing name type in
    TRANSFER.DC5

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ror Message: Fatal Error 2100 - Real Divide by 0(zero) (math error)
Problem: Using Layout in Plotter menu, drawing file freezes and have to reboot and rename
    auto-save file to continue.
Solution: Run file through Layer Utility macro, save layers and load layers into a new, non-
    default drawing file.

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oblem: Get error message (file on floppy) while loading layers into new drawing after running
    Layer Utility macro to save.
Solution: Re-run original drawing file. Resave the layers to the hard drive and exit the drawing
    file. Start new drawing file and load the layers into it using the Layer Utility macro.

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Error Message: File Error 101 (when loading layers into new file)
Problem: Out of hard disk space
Solution: Check hard disk and free up disk space

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Error Message: Internal Diagnostic Fault 36 error from 8082
Problem: Bad entity(s) on layer(s)
Solution: Run file through Layer Utility macro, saving layers and loading layers into a new file.
Problem: Running out of disk space for Virtual and Temporary files on RAM drive (if Path in
    DatacCAD Config is RAM drive)
Solution: Free up space or increase space in path where Virtual and Temporary files are
    located. Or path the Temporary and Virtual files to the hard drive.

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Error Message: Unable to Initialize Graphics Driver
Problem: No graphics driver loading or incorrect driver configuration.
Solution: 1) Reconfigure DataCAD for correct graphics card driver.
    2) Type **rundcad** at C:\DataCAD\> prompt and press [Enter].

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Error Message: Internal Diagnostic Fault 10 error from 809 OR Internal Diagnostic Fault 9, 10,
or 86 error from 8082

Problem: Bad entity(s) on layer(s)

Solution: Run file through Layer Utility macro, saving layers and loading layers into a new non-default file.

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Error Message: Internal Diagnostic Fault 4 error from 73

Problem: Using a converted AutoCAD .DXF file - when adding an area to a Selection Set and masking by color the drawing locks up.

Solution: Get a new copy of the file from supplier.

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Error Message: Internal Diagnostic Fault 9 error from 73

Problem: Importing .DXF file from AutoCAD

Solution: Get new copy of AUTOCAD .DXF file

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Error Message: Fatal Error 2136 - Real Indefinite "Uninitialized or Previous Error" occurs when
Windowing in, the screen goes blank

Problem: Windowed area is too far away from drawing origin (0,0)

Solution: Turn on all layers. Set the input mode to Absolute Polar, with Layer Search ON, do a
Move, pick first point on drawing in lower left corner of drawing. Hit the Spacebar and
then press [Enter] twice. Put area box around the entire drawing. Then do a
WindowIn/Recalc.

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Error Message: Fatal Error 2136 - Real Indefinite "Uninitialized or Previous Error" occurs after
picking Begin from the Quick Shader menu.

Problem: Do not have enough EMS available for Quick Shader.

Solution: Go into the DataCAD Config under Display List configuration and enter 2048 as the
amount of EMS to leave free.

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Error Message: First Allocation Unit is Invalid - Try Truncated

Problem: Cannot access drawing file.

Solution: 1) Set Virtual and Temporary files path to C:\ in DataCAD Config. There is a disk
space problem.
2) If drawing is stored on a floppy disk, floppy is bad (bad byte).

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Error Message: Stacks Overflow

Problem: Hardware (micro processor) problem

Solution: Call local hardware dealer

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Error Message: File too large or Invalid size

Problem: 1) File was deleted then undeleted
2) File was copied from floppy disk or tape and was corrupted, or media is bad.

Solution: Rename the backup file (*.BAK) to a drawing file (*.DC5)

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Error Message: Unable to Open DCAD.MSG

Problem: Support directory is not pathed to SUP\ in DataCAD Config.

Solution: DataCAD Config,Path names,Support files should be SUP\; exit and save changes. Or reset
  Path names to Default and save changes.

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Error Message: Internal Diagnostic Fault 36 error
Problem: Program puts .DD extension on file names.
Solution: Go into AUTOEXEC.BAT and remark SMARTDRV.EXE; add SMARTDRV.SYS to
        CONFIG.SYS.

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Error Message: Unknown State 7168 Report to Cadkey
Problem: Key on keyboard is stuck down.
Solution: Unstick keyboard key.

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Error Message: Cannot Open Swap Files
Problem: Not enough free disk space.
Solution: Do a check disk (CHKDSK/F) and free up disk space.

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Error Message: Unable to load Character Set ROMAN 2
Problem: Character Sets are pathed incorrectly.
Solution: Change path of Character sets to CHR\ in DataCAD Config.

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Error Message: Internal Diagnostic Fault 35 error from 8082
Problem: Cannot input symbols into drawing file.
Solution: Check memory configuration.

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Error Message: Fatal Error 2151 L String too Long, in Intrinsic Procedure
Problem: Invalid .KEY file name in DC Config under Default Key File
Solution: Input a valid .KEY file name   Ex: M_DCAD2D

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Error Message: Cannot Write Output Data during Decompression Phase
Problem: Cannot complete DataCAD installation, not enough free disk space available.
Solution: Free up disk space.

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Error Message: Write Protect error when installing
Problem: Tab is open on diskette
Solution: Close tab on diskette

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Error Message: Cannot open CKTIGA.ALM file
Problem: Need to convert from tiga 1.1 to tiga 2.0
Solution: Download CKTIGA.ALM from BBS and load into TIGA directory

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Error Message: Internal Diagnostics Fault 21 error from 8082
Problem: Macro files or Program files have Read-Only attribute.
Solution: Remove Read-Only attribute from all DataCAD files.

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Miscellaneous

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Problem: Can not draw a horizontal line, at an angle of 0, using a Relative Polar
co-ordinate input from the keyboard. It draws at a 90 degree angle.
Solution: Go to the Utility/Geometry/Tangents menu and turn Cancel off.

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Problem: Status line with X,Y,A,D readouts has disappeared.
Solution: Go to Settings/DistDlay and set it to 3.

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Problem: Import DWG file and Ortho snap angle is set to 5, which is every 72 degrees.
Solution: Go to Grids/SnapAngl and set it to 8.

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Problem: First tick mark in Dimension does not display
Solution: Go to Dmension/Linear/DimStyl/Incrment and set it to 2.0

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Problem: Cannot Zoom In after importing .DXF file into DataCAD.
Solution: When reading in .DXF file, change scale (normally .1 or 1) to 10, 100, or 1,000.

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Problem: When using 3D modeling and/or elevation views, no entities appear on screen
Solution: 1) WindowIn (Extents or Recalc)
2) Turn off 3D Clip Cube and regenerate display (press [ESC]).

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Problem: Screen goes blank when accessing DataCAD
Solution: Check install of external mouse driver and reconfigure for correct graphics card driver
emulation

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Problem: Cannot edit sales tax in Template report
Solution: Go to the DataCAD\FRM directory, edit the DCADCOST.FRM file, and replace the
0.04 line with correct tax.

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Problem: Linetypes and spacing are inconsistant when enlarging a symbol
Solution: 1) Save detail to a symbol and insert using Enlarge command; when it plots, symbol
will be at original scale not enlarged
2) Explode symbol using SYMEXP macro and change line spacing

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Problem: ROMAN text font: "m" and "n" are too close together
Solution: Change text aspect and text factor to 1; if both are 1, then lower aspect to .75
* Make sure you're not using FitText command in Text menu.

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Problem: Symbols do not appear in Template.
Solution: 1) Check Symbol path in DataCAD Config (should be SYM\).
2) Manually access symbols (using ["] key) and set new path correctly.

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Problem: Cannot save changes to drawing file.

Solution: Disable Smartdrive and check Pathname for saving files in DataCAD Config.

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Problem: Cannot delete an open area within a zone using DCAD_AEC macro Square Foot
Calculation.
Solution: Define the open area as non-rentable space.

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Problem: Get double dimension images when dimensioning
Solution: Go to Dmension/Linear/DimStyle and toggle Limits OFF and Tolerance OFF

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Problem: Want text to be mirrored when Mirror/Copying entire drawing
Solution: Create a symbol using entire drawing and use Mirror/Copy command

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Problem: Cannot input dimension with 11 characters, there is 10 character limit.
Ex: 258.4.13/16
Solution: Convert 16ths to 32nds of an inch as a default and input fraction of an inch as a 2
digit number.   Ex: 258.4.26

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Problem: Exporting ASCII file of number of symbols in drawing file.
Solution: Go into file, go to Template/Reports, do a quantity of symbols report, select to file
(produces ASCII text file to read).

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Problem: Need a scale larger than 12" for Zooming In.
Solution: Go to the Utility/Settings/EditDefs/Scales, and pick scale to edit, a current scale must
be changed. You cannot add any more to the current list. Replace old scale with new
scale.

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Problem: Importing a text file into a drawing file.
Solution: Access drawing file, go to Text/FileI/O/FromFile/NewPath and pick the screen using
left mouse button.

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Problem: Cannot access drawing files (has Renderize software).
Solution: Check CONFIG.SYS for two lines containing FILES= and remove one line, add
number of files to remaining FILES= line.

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Problem: Access Template file and no Symbols appear in Template but Symbol names scroll
along Command line.
Solution: Pick NewPath, change path for symbols so Command line reads C:\DCAD5\SYM\. If
this doesn't work, path must be checked in the .TPL file associated with these
symbols.

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Problem: Cannot run DataCAD 7 under MS-DOS 6.
Solution: Deactivate Anti-virus program (uses ALT-V hot key)

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Problem: Must press F5 to regenerate screen after zooming in or out.
Solution: Enter drawing file, go to the Utility/Display/DispList, and toggle OFF Regen Warning

and set Window Size to 4.

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Problem: Entities on layers do not disappear when layers are turned OFF.
Solution: Turn Layer Refresh toggle ON.

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Problem: Text in drawing file displays as boxes.
Solution: Go to Display/Smalltxt and set Small Text size to 0 (zero).

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Problem: Need Shingle Left linetype (only shingle right in menu).
Solution: Go to C:\DataCAD\SUP and edit DCAD.LIN by replacing Ground Line (last on list)
            with Shingle Left from DataCAD manual. If using any other line editor other than
        EDIT or EDLIN all the parameters in the list below groundline are not displayed.

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Problem: Importing .DXF file, text does not appear.
Solution: Only 4 text fonts will translate using DXF: Simplex, Complex, Roman Simplex, and
            Roman Complex.

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Plotters

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Problem: Cannot snap to a snapping point when needing to relocate plotter layout for multiple
            plots.
Solution: Change input mode to Absolute Polar. Use middle button of mouse to snap to the
            snap point in the middle of the drawing. Press the Spacebar and then press [Enter]
            twice. Go into Plotter menu and select Layout; it should be centered.

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Problem: System freezes when exiting from Background plot (or Plot).
Solution: Connect plotter to computer.

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Problem: Cannot plot using Background plot.
Solution: Change path of Text Output files in DataCAD Config.

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Plotter: Calcomp 1023
Config: 1) Calcomp 104x
            2) If uses HPGL language, config as HP HPGL Large D or E size.

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Plotter: Graph Tech
Config: Using HPGL, config as HP HPGL Large D or E size plotter in DataCAD. On plotter set
            dip switch to HPGL and use parallel cable.

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Plotter: HP DesignJet 300, 600 or 650
Problem: Want 3'x7' plot but only get 3'x4' in center of paper.
Solution: none (driver has 4' limitation)

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Plotter: Pacific Data Pro (emulates HPGL 7585).
Config: HPGL Center Origin Large D or E size.

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Renderstar2

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Problem: Can't run Renderstar from within DataCAD.
Solution: Run Renderstar from the DOS prompt. Exit DataCAD and at the DataCAD prompt
(C:\DataCAD>) type **rs2 rstar2\quick\quick** and press [Enter].

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