

CADfix 7.1 Data Exchange Fix Change Notes



Change Notes for CADfix 7.1 as a brief summary of each fix arranged under their respective Problem report number(s):

- cf02327 ZOOM on most systems is an up and down mouse action
- cf03406 Probe does not respect a local coordinate system
- cf03624 Face splitter tool requires extra pick entries
- cf03861 Make more use of layer information
- cf04023 Re-organise the mass property data
- cf04194 "Save as" action should 'rename' the active model
- cf04687 Mouse Wheel Zoom Shortcut
- cf04727 GUI import for Linux should grey out CATIA V5
- cf04733 Faceting should use normal tolerance as well as a sag tolerance
- cf04769 GUI cannot handle Windows long file names (LFN)
- cf04807 Results Manager cannot cope with ABAQUS increments
- cf04861 Hide the sets used by CADfix
- cf04876 Ability to browse the Windows desktop
- cf04943 CADfix is crashing towards the end of Prepare stage
- cf05083 Hole find is not working
- cf05089 Regression of Centre of Rotation with assemblies
- cf05090 Assembly component name is being confused
- cf05091 Facetted surface tool not working
- cf05142 SSIM to cone does not obey maximum radius clause
- cf05193 Windows import state corrupted by bad SUN FBM
- cf05202 The behaviour of repaint has changed from CF6 to CF7
- cf05204 Feature Suppression on HP not working properly
- cf05206 Problem with Feature Suppression and Seamless Faces
- cf05208 Quality check for narrow face not working until tolerance much bigger
- cf05212 Quality check not finding this NURBS with a ~180 corner
- cf05216 Repair deletes body with voids then rebuilds it, with voids!
- cf05217 ACIS export of voids produces bad .SAT files
- cf05218 Narrow face find crashes on this model
- cf05220 SET Browser highlight not clearing on Close
- cf05221 Replace Continues despite "Out of Tolerance" Message
- cf05224 Results Manager cannot handle Far Field data
- cf05233 Batch trimming option does not appear to work
- cf05234 Sloppiness report is too basic. Hard to browse results
- cf05235 Surface simplification tool needs to filter analytic types
- cf05236 Failure to shaded two wavy, complex NURBS faces
- cf05238 GUI error from Results Manager
- cf05258 RFIELD DECIB not working correctly
- cf05259 POLA plotting slices wanted in Results manager
- cf05264 After body split the contents of picture list cannot be wiped
- cf05265 Model tree corrupt after body split
- cf05267 Planar splitter surface not wiped after use
- cf05272 GUI error from assembly modification

cf05275 Problem with the use of RFIELD & RDEF
cf05277 GUI error when using X driver
cf05278 CADfix fails on a simple body split
cf05280 Results Manager bug
cf05281 Probe cannot pick nodes
cf05282 Probe tool is not recording element number
cf05285 Problem with SAT file import no geometry read
cf05287 Truncated surface makes model unfixable
cf05288 Face join option for "pick corners" doesn't work
cf05290 Join faces is too slow
cf05292 Closed torus NURBS fails to convert to analytic
cf05293 closed NURBS splitting is not preserving attributes
cf05296 Need some test for scanning STL export
cf05298 CADfix AGPS interface import failure
cf05299 Curvature sensitive display needs a turn-angle control
cf05300 Multiple AGPS issues
cf05301 self-intersecting p-curve problem
cf05304 Custom CWC issues with AGPS integration
cf05309 LATF plotting with an assembly goes wrong
cf05311 STL export needs turn-angle refinement control
cf05314 COPY, MOVE and SWEP commands need to project a point to line
cf05315 Need a new symbol command for doing vector symbol calculations
cf05316 Closed NURBS problem
cf05318 RDEF need 3 new CALC options for SQUA, DB and DBSQ
cf05319 Fix to DNSPAD goes wrong for seamless cones
cf05320 AGPS integration: PDE/lib warnings not returned to AGPS
cf05323 Cannot export this model to STEP get Error
cf05324 Picture list/graphics buffer ordering problem
cf05328 export of "strings" to AGPS corrupt
cf05329 Ability to change units in batch run
cf05330 Add cwc option to control temporary files from Cadex
cf05331 Face with lots of holes very slow to process
cf05332 Thin torus face will not shade as it has poor parameterisation
cf05334 Partial collapse is breaking model
cf05336 AGPS Integration: Crash during WCD on Linux 64
cf05340 AGPS Integration: Assemblies not being handled correctly
cf05341 AGPS Integration: .err file created on Windows, not on Linux
cf05343 Cadex crashes importing AGPS model
cf05344 CWC batch run not obeying "work set" designation
cf05345 Create plane from point and normal
cf05346 Change colour of displayed item from picture list
cf05347 Explode ALL top level assemblies on export
cf05348 Scan Pro/E assembly hierarchy
cf05351 Allow multiple STEP components to be imported
cf05352 Changed face merging syntax requires GUI update
cf05356 Prepare for Parasolid destroys model through fault in IGES import

cf05362 Export/Import Button/Toolbox to/from file
cf05363 Invalid read during Flite3D import
cf05364 Unigraphics import does not import the model units
cf05366 Error in non-finite area test
cf05369 GUI selection for CADDs inconsistent
cf05372 Import many components of a Pro/E assembly not working
cf05373 Animation Manager GUI crash
cf05374 Prepare for UG NX4 not recognised
cf05375 GUI error from POLA results factor RCS
cf05376 PLUS in Graph plotting in Results Manager not working
cf05382 Import fails if filename has a long path
cf05385 Framing of assembly view not correct
cf05386 Make the probe options persistent
cf05387 Cannot display non-assembled parts when assembly is displayed
cf05388 Cannot pick spin centre when assembly is displayed
cf05389 Cannot use measure tool when assembly is displayed
cf05390 Q-commands cannot be used when assembly is displayed
cf05391 Deleting the assembly display domain still causes assembly to be drawn
cf05393 Closed torus face wrongly parameterised
cf05394 Parasolid periodic torus face needs to be split on import
cf05395 Polar plotting does not respect line style settings
cf05396 Improve BUILD tool to maintain selected part across tools
cf05397 Use BUILD tools to project a set of lines to a surface
cf05398 DELQ refinement not happening is CTOL is a high value
cf05399 Create/edit face should use CNTL for remove
cf05400 Focus of cursor in collapse points
cf05401 Cannot UNDO a cylinder primitive
cf05402 Smooth CARPET fails on shapes leaves incomplete
cf05404 Collapse edges tool required automatic end point option
cf05405 Cannot resize the Picture list window enough
cf05407 LINT not finding intersecting point on simple face
cf05408 Element probe truncates element numbers
cf05412 Two identical lines not merging at any tolerance
cf05413 Prepare for STEP breaks model
cf05415 Introduction of proximity feature for STL export
cf05416 Import was slow, 0% cpu, keyboard bell rings all the time
cf05418 Pro/E export diagnostic not identifying any CADfix part
cf05419 Orient on nearly zero width NURBS takes ages
cf05423 Add option to export Parasolid binary format files
cf05424 CADfix does not recognise large shapes
cf05429 Scan of CATIA .exp file broken by recent modifications
cf05431 MERGE of duplicate points and scan are not compatible
cf05432 Result ball scaling does not work
cf05433 Use CNTL pick to deselect items in pick list
cf05434 ORIENT on closed torus flips between inside/outside
cf05435 Nodal distant measurement

cf05438 Expose new FRAM options through GUI
cf05441 Shape parameterisation GUI speed rate
cf05442 Refit surfaces hangs
cf05447 Add D2RAT / D3NONRAT controls for converting lines to NURBS
cf05448 Reset GTOL after creating a primitive (or running a macro)
cf05449 Stop converting rational NURBS to non-rational for SC03
cf05452 Prepare for STL says its failed but does not show the problem
cf05453 More NURBS that fail to fix with the PDQ speedrate fix
cf05454 BOEING want Windows only imports greyed out
cf05460 TURN angle DVAPP on 180 degree arcs failing
cf05480 ORIENT flips this simple half-spherical body inside-out
cf05482 Seamless faces fix is not in problem fix list
cf05483 CADfix GUI fails to recognise a FLITE3D file
cf05485 Grossly undersize check not working
cf05487 Re-embed is not picking up all the faces in the SELE set
cf05489 Re-embed creates degenerate surfaces
cf05490 Grossly undersize check going wrong
cf05497 Re-assess model does not change display quality
cf05502 Add GUI support for PROC PARA FORMAT
cf05504 NURFIX DEKINK breaks model
cf05509 This model takes too long to STL facet with the proximity option
cf05514 Bad error about scaling in transformation matrix in STEP export
cf05516 STL proximity faceting fails on this model
cf05517 STL proximity faceting gives suspect distribution
cf05518 Delaunay mesh failure on a conical face
cf05521 Delete feature was slow on a particular model
cf05522 Repair fails to fix model and deletes solid
cf05527 Prepare is breaking this Fujitsu model
cf05535 Cannot import anything after trying to open a file and failing
cf05539 CADex tested on Windows for AGPS gives strange format
cf05548 CATIA V5 IGES file could use the IGES tolerance for import
cf05549 Error 36 from IGES import
cf05552 Moving model during export introduces problems
cf05555 Replace Non-NURBS tool is ignoring selection
cf05557 Very short NURBS lines are badly trimmed when truncated
cf05560 translated copies of AGPS face failing to import
cf05562 GUI error from part browser "Sets" option on STL model
cf05563 ~zero weight in Parasolid NURBS needs correcting on import