

**Description of New Features and Bug Fixes at Version 4.03b**

			Description
1	New	Data File – Graphics	Option added to allow users to include the template graphics within the model data file. This enables a single file to preserve both the model properties and the associated template graphics. Option enabled via the <i>Set-up / Include User Graphics In Data File</i> menu.
2	New	Data File – Template	Option added to allow users to include the template settings within the model data file. This enables a single file to preserve all related properties of the data set. Option enabled via the <i>Set-up / Include User Templates in Data Files</i> menu.
3	New	Point Add to Part	It is now possible to add a point to the current models template without having to edit the template directly through the template editor. They can now be added through the 3D graphical display by selecting the part the new point is required to be attached to. User can define the new points position by absolute co-ordinates, relative co-ordinates or between points. Point addition can be found in the <i>Edit / Add Point</i> sub menu.
4	New	Adams Sub system export	A text recognition based import/export filter has been added that allows hard point geometry to be extracted from (and written to) an Adams sub-system file. The identifying text strings are associated by point for each template and are editable by the user. They are stored as part of the template properties and thus can be saved with the model data file or to a user or custom template.
5	New	Point Editing	Editing of points has been extended to include direct access to some template point properties. This enables labels etc to be changed without having to open the main template editor display.
6	New	Context sensitive cursors	The cursor on the main graphical display can now be mode sensitive in their appearance to provide an immediate visual indication of the current view or edit mode. This option is enabled/disabled via the <i>Set-up / Visual Graphics Cursor</i> menu.
7	Change	Rigid Axles	Due to the introduction of rigid axle templates the ability to define a suspension model as independent or rigid is required. Access is now given to an internal variable editable through the <i>Data / Parameters</i> menu item.
8	Bug Fix	Text Editor	Enabled correct functioning of Shift+up and down arrows in data file text editor.
9	Bug Fix	Data File Reader	Corrected bug on latest data files section Raven_Defaults. Changed data file version number to identify old 'errors' compared with corrected new data files.
10	New	Optimiser	Option added to allow sensitivity based optimisation to run either in most to least or least to most.