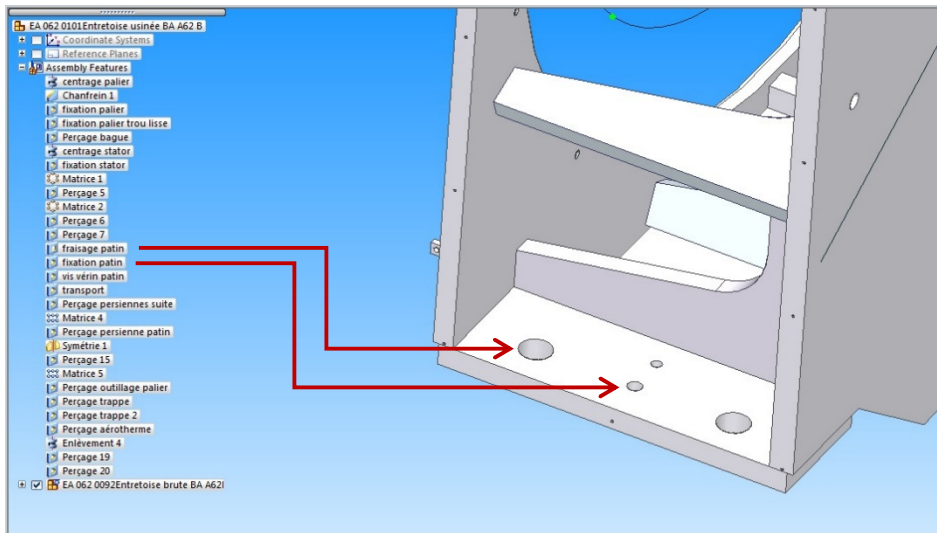


# Assembly Feature Holes change others to the same value when modified

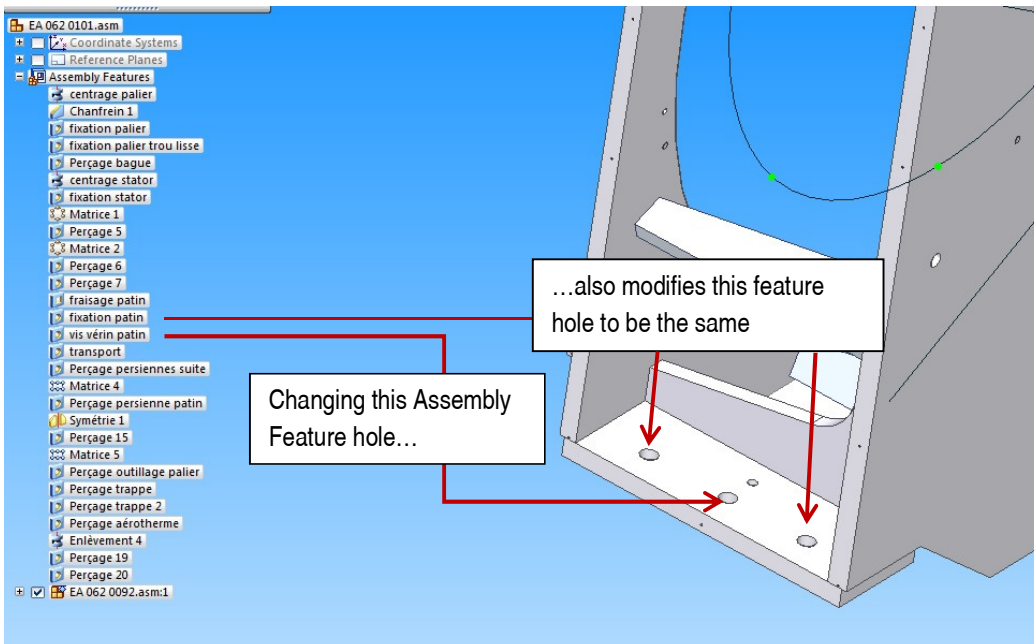
In this tech tip we look at a fix for an old bug that changed multiple assembly feature holes, rather than just the one wanted.

In Solid Edge ST5 there was an issue where some Assembly Feature holes were changing the dimensions of separate Assembly Feature holes to be the same size when modified.

In this example there are two assembly feature holes of different sizes.

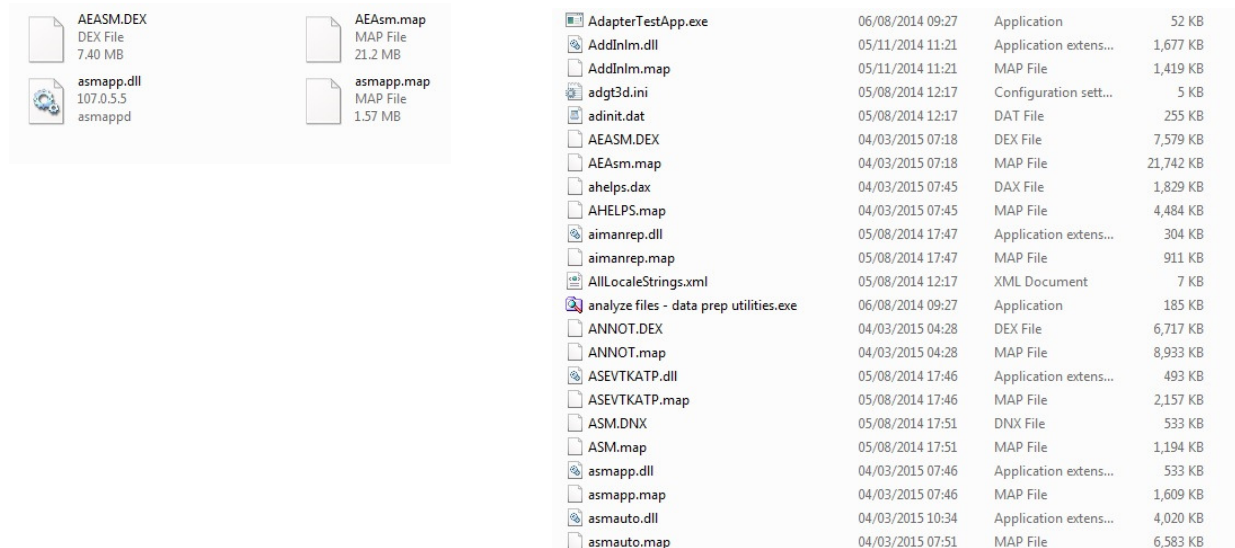


When one Assembly hole is modified it changes a separate Assembly Feature hole to be the same:

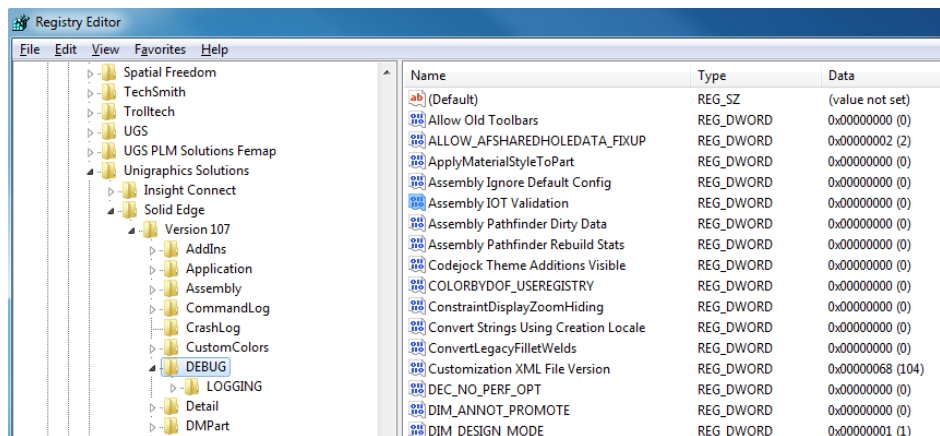


This was resolved in ST5 MP6 but only for newly created holes – existing holes that exhibited this behaviour had to be recreated. The problem was that it could be very difficult to identify which Assembly Feature holes were subject to this behaviour. Accordingly a hot fix was developed containing two .dll files that could be applied to the registry.

These dll files are still packaged with subsequent releases of Solid Edge:



In the registry under HKEY\_CURRENT\_USER\Software\UnigraphicsSolutions\SolidEdge\Version\*\Debug\ you need to create a DWORD (32 bit) Value – 'ALLOW\_AFSHAREDHOLEDATA\_FIXUP'



There are four values that can be defined:

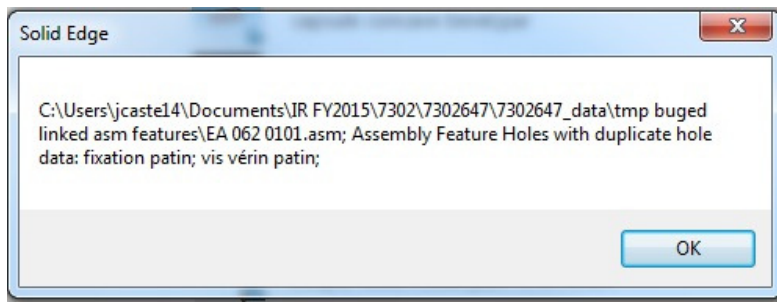
ALLOW\_AFSHAREDHOLEDATA\_FIXUP = 0 default value and fixup is turned off

ALLOW\_AFSHAREDHOLEDATA\_FIXUP = 1 will detect and fix holes. Silent detection and fixup occurs.

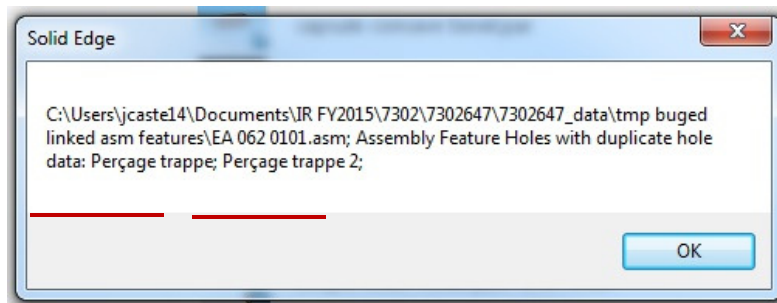
ALLOW\_AFSHAREDHOLEDATA\_FIXUP = 2 will show messages indicating problem features. This may be useful for interactive usage.

ALLOW\_AFSHAREDHOLEDATA\_FIXUP = 4 will log messages to a file %temp%\SharedHoleDataAFs.txt indicating the problems. This is useful if the customer wants to batch check files. They can open and close all their assemblies, maybe through the API. They can then open the problem files with ALLOW\_AFSHAREDHOLEDATA\_FIXUP = 1 to fix them and save.

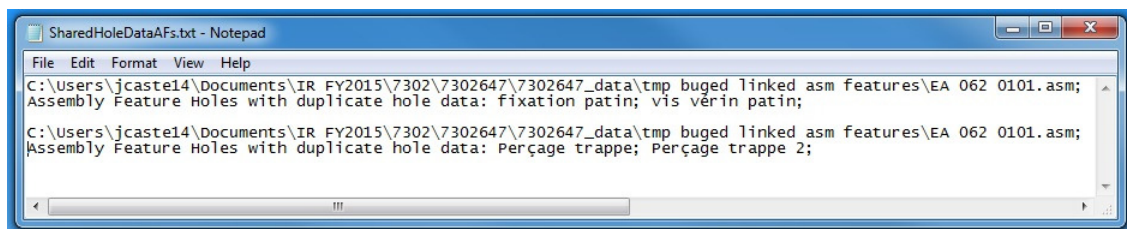
If, for example the value were set to '2' when files are opened you will get a message informing you which Assembly Features have 'duplicated' hole data. You can review the file to identify the problem Assembly Feature holes, exit Solid Edge and then to set the value to '1', launch Solid Edge again and open the file in order to apply the fixup.



The message will flash up for all Assembly Feature holes which are duplicated – so in this example we are informed that there are another two assembly features in the file with this problem.



If the value were set to '4' then the output SharedHoleDataAFS.txt file would look like this:



Setting the value to '1' will fix the issue so that no link exists between the Assembly Feature holes. However they will continue to have the same value as each other so it's best to make note of what they should be beforehand. Once the file is fixed you can modify the Assembly Feature holes with no further problem.

