**[Re: Any Guides for Merging CAD Models?](https://forums.zeiss.com/messtechnik/community/viewtopic.php?f=13&t=840&p=6201&hilit=update+model" \l "p6218)**

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[Post](https://forums.zeiss.com/messtechnik/community/viewtopic.php?p=6218#p6218) by [**Mark Boucher**](https://forums.zeiss.com/messtechnik/community/memberlist.php?mode=viewprofile&u=534) » Tue Dec 04, 2018 5:50 pm

You do not need to delete the CAD file through the program folder.

Do this instead:

1.) Open a new program and import your new model and use CAD transformation to position it into the proper position. Save this program. You can delete it later.

2.) Open your original program with the outdated model. Now go to CAD/ View/ Delete and the model will be removed.

3.) Now CAD/ CAD File/ Load. Navigate to the program you created in Step 1 and select the model.sab. This will load the new model in the old program. Suggest you save the program as a new name, i.e. new revision, here, in case the step causes some problems you can return to this spot

4.) Now click on CAD/ CAD File/ CAD Model Comparison. Here you will set the comparison tolerance value and click on Comparison.

You will see one column divided into 2 sub columns, Features inside tolerance and Features outside Tolerance. As you select the features outside the tolerance you will see in the CAD screen where the feature currently exists and you now select on the CAD model where you need it to be.

Verily painless but not without its issues. You may end up wanting to recreate some of the features. It might just be easier with some features.

Mark

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[**Michael Windus**](https://forums.zeiss.com/messtechnik/community/memberlist.php?mode=viewprofile&u=217)

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[**Re: Any Guides for Merging CAD Models?**](https://forums.zeiss.com/messtechnik/community/viewtopic.php?f=13&t=840&p=6201&hilit=update+model#p6292)

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[Post](https://forums.zeiss.com/messtechnik/community/viewtopic.php?p=6292#p6292) by [**Michael Windus**](https://forums.zeiss.com/messtechnik/community/memberlist.php?mode=viewprofile&u=217) » Thu Dec 06, 2018 1:45 pm

The problem I had when I first tried this was that I could set up the new part as originally viewed but I couldn't figure out how to set it to the base alignment. My fix was simple.

1. Open a new measurement plan and save it with an easily identifiable name like "insert part#17" or whatever.
Load the new part and position it as originally done.

2. Set a base alignment as originally done. There is no need to name any of the datums, they won't be saved over. I do set my clearance planes but I only do that because I'm neurotic about seeing red...

You're done here, save it and close it.

3. Open the original plan.

4. Delete the original model by clicking CAD / VIEW / DELETE

5. Load the model from the insert program above by clicking CAD / CAD FILE / LOAD then searching for and clicking the "insert" file and highlighting "model.sab" and clicking open.

6. Click CAD / CAD FILE / CAD Model Comparison , click Comparison , highlight all of it and click Apply.

When it's done, close out and save your plan.
You can now delete the insert program if you want. It isn't needed any more.