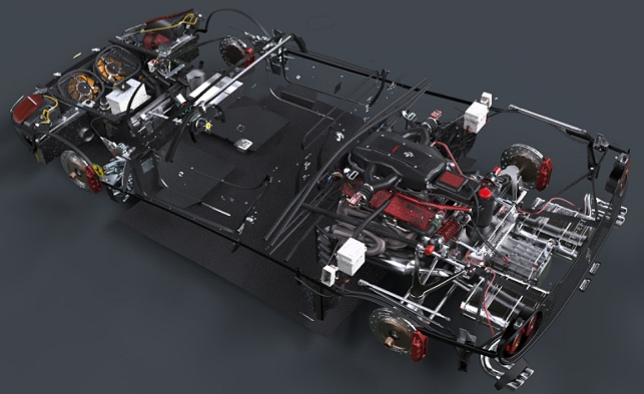
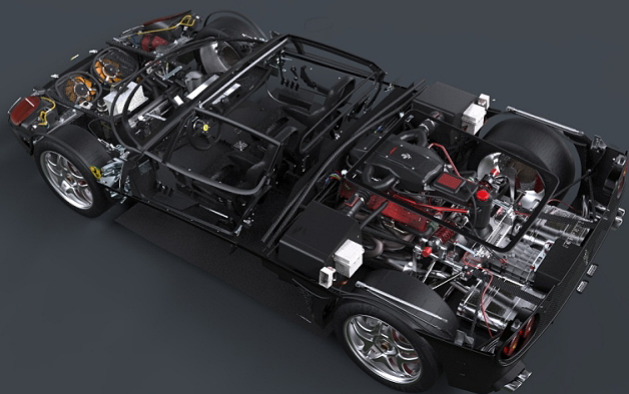
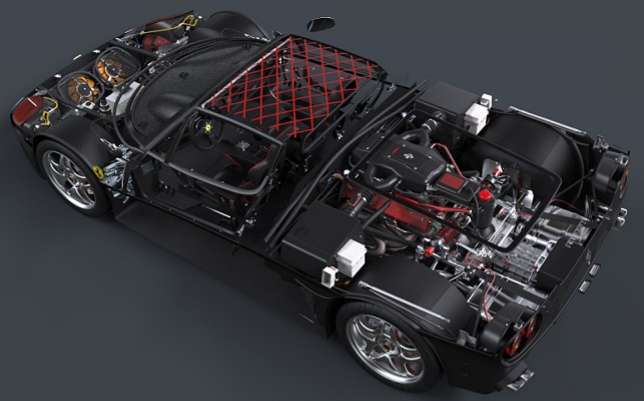


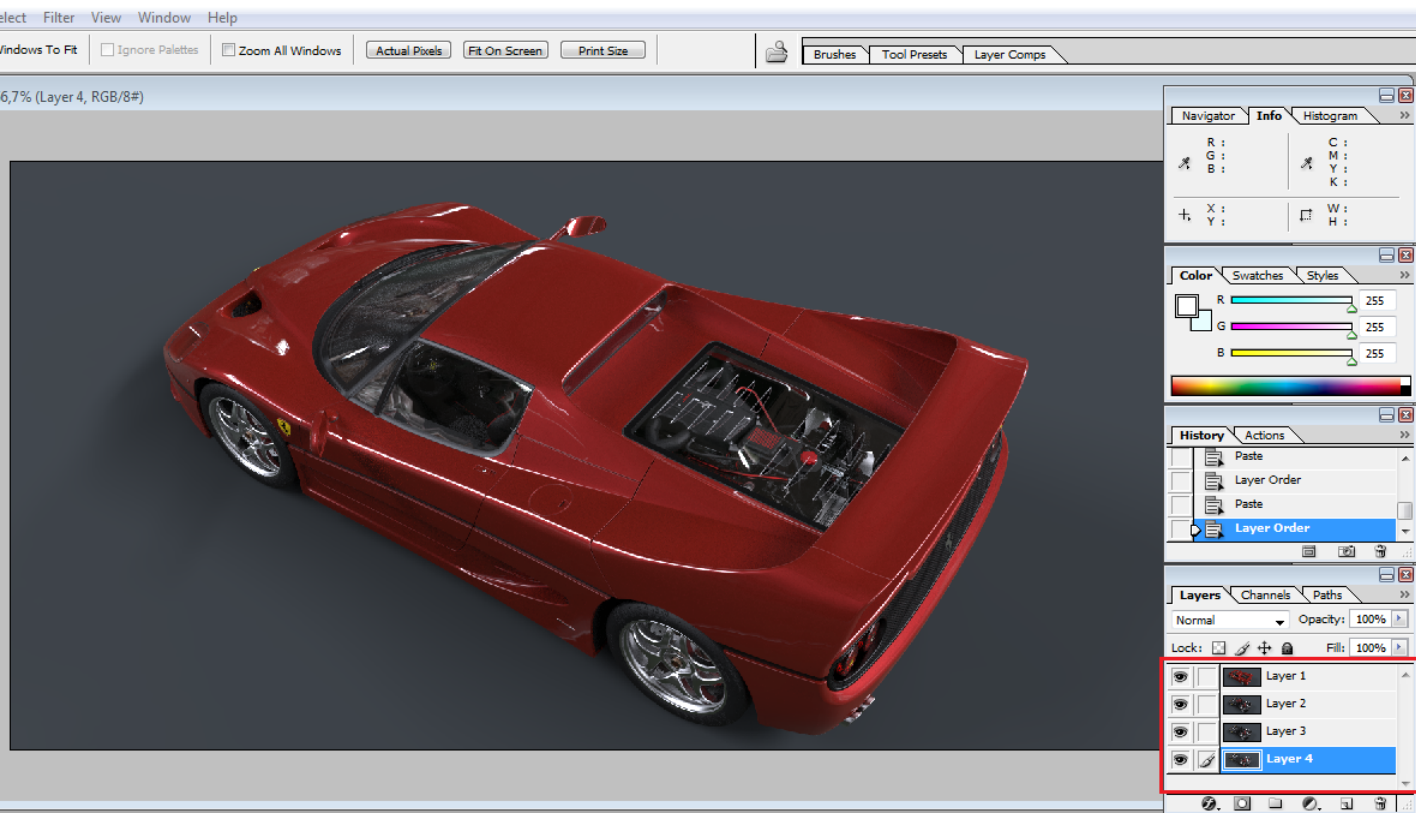
Hi, as I promised, here is the tutorial on how to make cutaway drawing using PhotoShop



To create cutaway picture, as shown above, first you need to render out separate images of the model (with same camera settings). For example: first render is the shell of the car, and second render is of everything inside of the car. For this particular image I've made 4 separate renders as shown below.



After you've rendered all the images it is time to import it to PhotoShop, every image in their own layer having in mind that image of shell of the car must be on top of all layers. It need to look something like this:

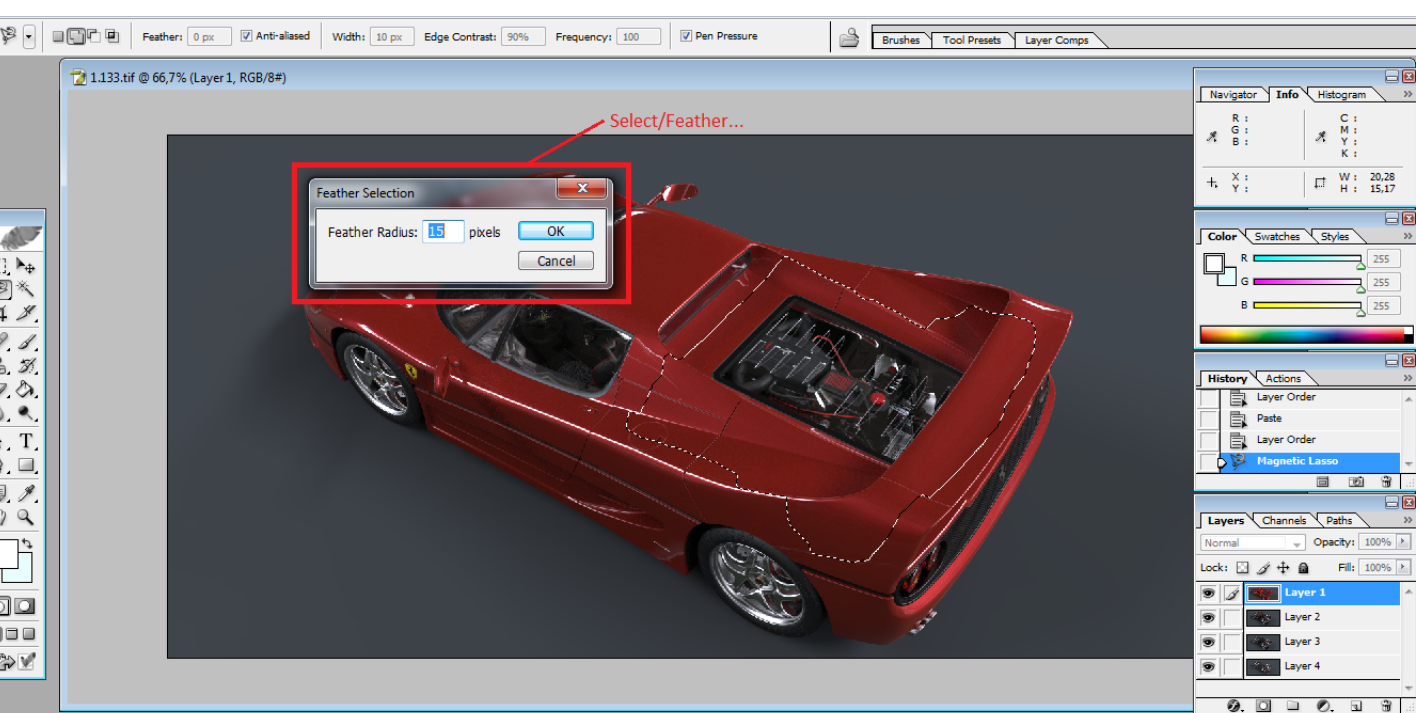


Now there are few ways on how to make the cutaway picture, either using eraser tool to erase part of top layer and to show part of the layer below or using layer masks.

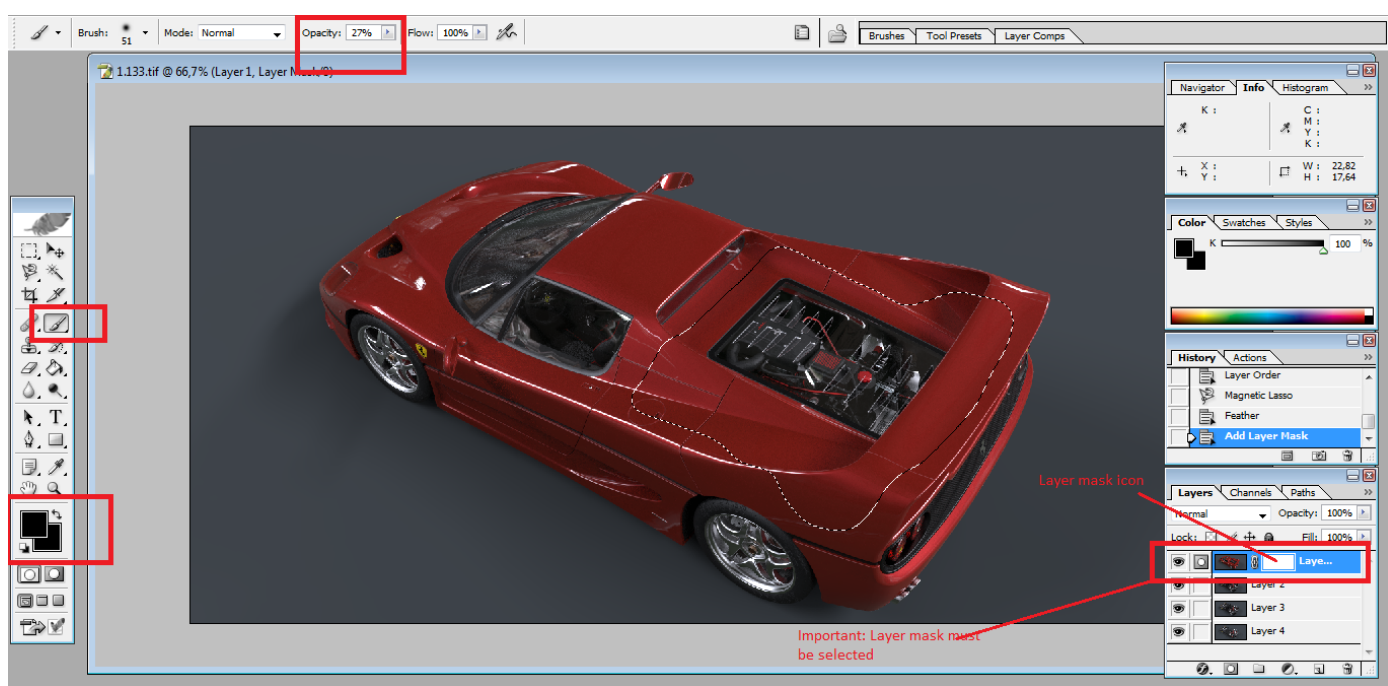
Here I will show you how to make transparent areas using layer masks.

First you make sure that you are on the correct layer (top layer), than select part of the picture that you want to look transparent, either using magnetic lasso tool or marquee tools. Now, we need to feather edges of selection, that will ensure smooth transition from transparent part of picture to opaque. Feather radius depends on how big transition area you want. Here I used radius of 15 pixels (next picture)





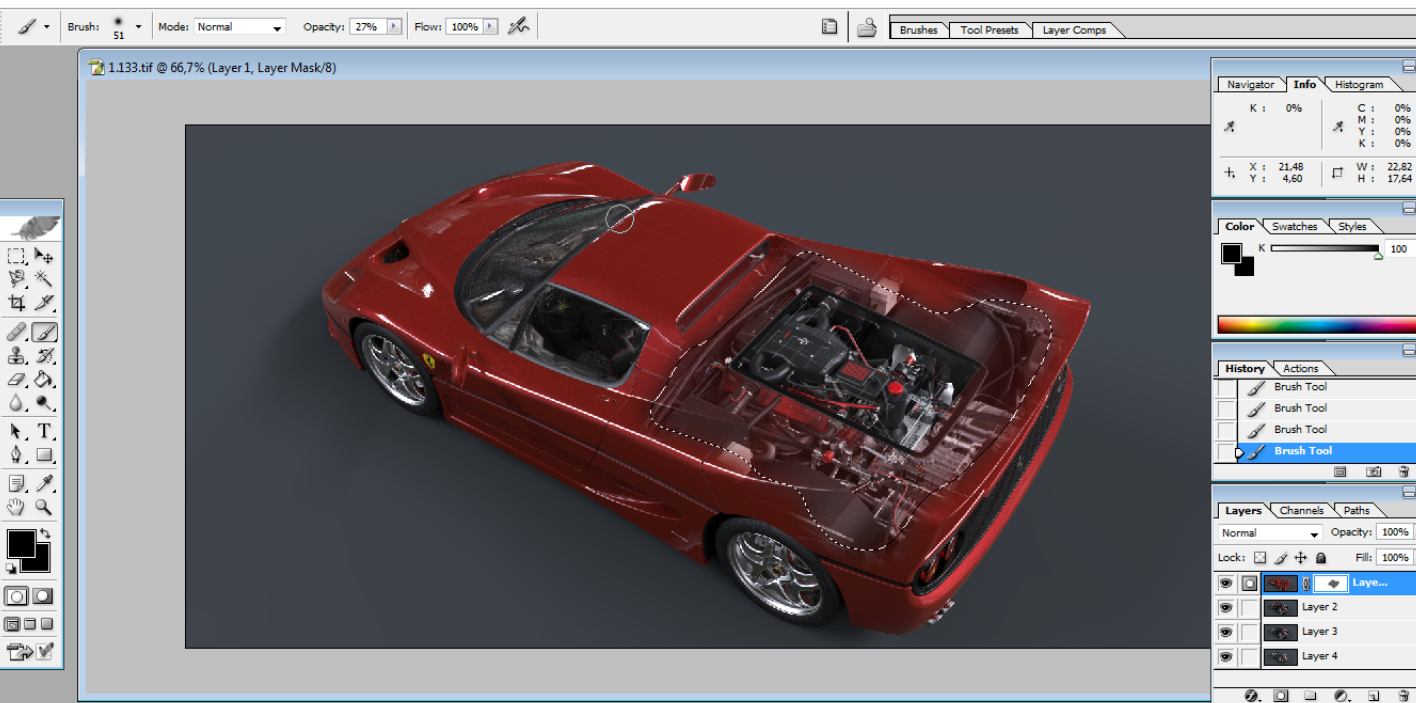
Now you need to create layer mask by clicking: Layer/Add Layer Mask/Reveal All. Layer mask icon will appear on the right side of main layer icon in the layer window. It is important to switch to our layer mask by clicking once on it and selecting it, because now we will paint on it. After you selected layer mask, select brush tool and select black as primary color, adjust opacity of the brush somewhere between 30%-50% and start painting over previously selected area of the picture, you will notice how layer underneath starts to appear. If you need to make area more transparent just increase brush opacity and repeat brushing.



After brushing with 27% brush opacity:



...and after some more brushing:



As you can see that's pretty much it, other transparent areas of the car were made using same method. In the end I've increased contrast a little bit and sharpened image.

Hope this little tutorial helps, if anyone have any questions feel free to ask ;)

Please excuse me if I made any grammar mistakes since English is not my native language.

Tiho Ramovic