



## Additional Information

In general, the available LEGO Digital Designer (LDD) files do not represent building instructions. I used the LDD to realize some of my LEGO projects and concepts (the files were checked for correctness and completeness; however, the files possibly contain errors). However, it is possible to generate LDD instructions starting from the LDD files. Still, the quality of the automatically generated building instructions by the LDD is weak. Therefore, you cannot expect LEGO like instructions and you will need creativity and passion to use these instructions. Nevertheless, feel free to use my ideas and concepts for your own creativity and models. But, do not forget to mention my concepts if you place some videos or pictures on the internet.

The LDD does not contain all available LEGO parts. Especially, the pneumatic elements (valves, pumps, cylinders), some Power Function elements (PF switch, lights, wires) and the SBrick are not available in the LDD. Therefore, I replaced these elements with placeholder, which you may have to replace (depending on the model). The following colors can represent the following elements:

Blue parts = pneumatic elements

Green parts = Power Function elements

Purple parts = SBricks (to use the SBrick you also need an extension wire)

**To build the front axle you need the two parts from the LEGO set 42054: Steering Axle with 2 Pin Holes and 2 Axle Holes**

(<http://www.bricklink.com/v2/catalog/catalogitem.page?P=23801c01#T=C&C=11>)

In order to know which extra elements (pneumatics, Power Function, Sbrick) you need, please watch the correlating video on my youtube channel or visit my webpage:

<http://www.youtube.com/c/functionalTechnic>

[www.functionaltechnic.com](http://www.functionaltechnic.com)

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