



Hoverboard Print in place



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Summary

This model was fun to design based on my sons full size board, however it was frustrating to print (see the fails...

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This model was fun to design based on my sons full size board, however it was frustrating to print (see the fails picture).

I recently bought a PEI sheet for my build surface and it was until I recorded a failure that I spotted the problem. The model is quite tall and thin, so once it reaches a certain height there is quite a lot of leverage from slight movements of the print head. I spotted that the PEI sheet would bend once the print got to a certain height.

Putting my original print surface back fixed the tipping problem, however it seems I hadn't recalibrated very well as there were some minor steps in the last print. I had also used a raft to help hold it in place, however this stuck to the print and I can't remove it without damaging the print.

Anyway, the wheels spin separately from the case, I'm sure it will be an easy print for some of you.

Of course I didn't think to search Thingiverse first, but there are other models out. I didn't see a print in place with spinning wheels though.

Print Settings

Printer Brand:

FlashForge

Printer:

Adventurer 3

Rafts:

Yes

Supports:

No

Infill:

20

Filament: Flashforge PLA red

Category: Mechanical Toys

Model files



hoverboard.stl

[Find source .stl files on Thingiverse.com](#)

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