

Spaceship (Rickert's Ship from The Defender)



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Summary

This is my version of Rickert's Spaceship which is described as looking like a yacht from the book The Defender



14.24 hrs



5 pcs



0.20 mm
0.15 mm



0.40 mm



PLA



135 g



Prusa
MK3/S/S+

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This is my version of Rickert's Spaceship which is described as looking like a yacht from the book The Defender.

from the book

"...He takes her to the fifth ship in line. A large double-decker beast that looks more like a yacht than a spaceship looms before her. Alex marvels at

the sheer size of it, her mind instantly flashing to how expensive it must have been. She chuckles at herself; I wonder what they use for money around here? Rickert walks underneath the ship and approaches a long flat section of the wall. He waves his hand in front of a small control panel and the belly of the ship opens to reveal a small ramp. The duo climbs up into the ship and the ramp lifts behind them, sealing them inside.

The Design Features a customizable “motor” cavity. I included the dimensions of the motor cavities in the pictures, (32mm long x 30.5mm wide) so you can add in your own fun motor design for this spaceship. Any combination of the blank plates with different infill or even your own design that fits into those dimensions can let you add your own flair on the design.”

Print Instructions:

Print the motor pieces of your choice, and the shock absorbers,

then print the main spaceship body, adding in a print pause as outlined below.

When printing the body add a color change or print pause at the top of the landing gear/shock absorber location which also corresponds to the top of the motor cavity inside the wings. This is at 73mm from the print plate.

After that, Print the Windows and glue them on.

More on Motors:

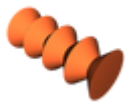
I chose to add in 2 Cones, 2 sphere holders, a 9.5mm ball bearing, and a blank block with hexagon infill and 4 perimeters and no layers on the top or bottom.

I decided to go with the customizable motor idea since I was having trouble nailing down my ideas for an interstellar motor or engine and I figured, who knows what the future will hold. So I left it up to your imagination.

Model files




rickerts-ship.stl



landing-gear-shock-absorbers.stl



half-sphere.stl

 Print 2 per motor (4)



bottomback-left-window.stl

 Print 1



topfront-left-window.stl

 Print 1



backtopleftwindow.stl

 Print 1



bottomfrontleftwindow.stl

 Print 1



topwindow.stl

 Print 1



rightbackbottomwindow.stl

 Print 1



rightbacktopwindow.stl

 Print 1



rightfronttopwindow.stl

 Print 1



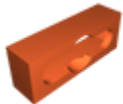
rightfrontbottomwindow.stl

Print 1



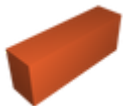
rickerts-ship-with-hilbert-curve-and-color-change.3mf

Contains a color change at 45 mins or 10mm. and a print pause at the top of the landing gear



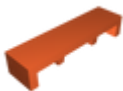
spheremotorholder.stl

Print 2 per motor (4)



engine-blank-block.stl

8mm thick block (Use infill modifiers to make fun motor pieces) I liked the hexagon infill



engine-cones.stl

Print 2 per motor (4)...if you want



engine-blank-plate.stl

1mm Thick Plate (Use infill modifiers to make fun motor pieces)

Print files



rickerts-ship-with-hilbert-curve-and-color-chan.gcode

PLA 0.40 mm 0.20 mm 12.56 hrs 122 g Prusa MK3/S/S+



windows-printed-up.gcode

PLA 0.40 mm 0.15 mm 0.40 hrs 3 g Prusa MK3/S/S+



engine-cones_02mm_pla_mk3s_14m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 0.24 hrs ⚖️ 1 g 🖨️ Prusa MK3/S/S+



engine-exhaust_02mm_pla_mk3s_19m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 0.32 hrs ⚖️ 3 g 🖨️ Prusa MK3/S/S+



spheremotors.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 0.72 hrs ⚖️ 6 g 🖨️ Prusa MK3/S/S+

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