



## Fridge door hinge cam riser



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### Summary

A customizable model of the hinge cam riser for a refrigerator door.

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Tags: [refrigerator](#) [hinge](#) [customizable](#) [openscad](#) [cam](#)  
[replacementpart](#)

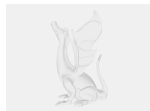
The hinge cam riser is the mechanism by which a refrigerator door will stay open at a certain position, and automatically continue closing once closed a certain amount. These are installed in pairs over the lower hinge pin, with one attached to the door and one attached to the main unit.

I designed this to replace the upper hinge cam on the left (freezer) door of a Samsung model RSG257AARS/XAC (part number DA66-00558B). Unfortunately, my 3d printed version immediately failed. This may have been partly due to carelessness during re-installation of the door (my popsicles were melting!) Given that the OEM replacement part cost less than a dollar, though, I couldn't justify taking another chance on my "approximation", which was based on photos of the replacement part from online parts catalogs. Indeed, having received the OEM part, I see that the profile of the cam is not a simple sinusoid as I had assumed.

The included .STL file is the version for my specific application. By downloading the .scad file and opening it in **OpenSCAD**, however, you can adjust the dimensions to create a custom model for your specific needs.

This model could potentially be used for cabinet door hinges, or as a detent mechanism for a rotary control.

## Model files



**fridge-door-hinge-cam-riser.scad**



**fridge-door-hinge-cam-riser.stl**

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