



YOUIMAGINE

3D Printed Print In Place Plate Holder

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Located at: <http://www.youmagine.com/designs/3d-printed-print-in-place-plate-holder>

Short description:

A print in place plate holder.

Description:

<https://www.youtube.com/watch?v=BrJQvYCKFZQ> What did I do when I broke one of my wife's plate holders? Well, I quickly designed, printed and replaced her old plastic placeholder with a 3D Printed "Print In Place" Plate Holder. As a "print in place" design, the plate holder is functional either with minor cleanup (when using a brim for extra hold down force), or no cleanup whatsoever (when not using a brim), and no assembly is required. I've included the file "Plate Holder, Print In Place.stl" which is the "print in place" file. However, if your slicer will not print this file, I've included the files "Left.stl" and "Right.stl" that can be used with your slicer to merge the model prior to printing. My final prints were at .15mm layer height, 20% infill, with no brim. However, as seen in the video, if your printer has difficulty with warping, then a brim may be used which will require additional cleanup prior to use. For smaller diameter plates, a small dot of cyanoacrylate glue may be used to hold the hinge in position. As usual, I probably forgot a file or two or who knows what else, so if you have any questions, please do not hesitate to ask as I do make plenty of mistakes. Designed using Autodesk Fusion 360, sliced using Cura 4.1, and printed in PLA on both an Ultimaker 2+ Extended and an Ultimaker 3 Extended.

If you can, please use the online documentation found at <http://www.youmagine.com/designs/3d-printed-print-in-place-plate-holder> because those may have been updated. Also, there you can interact and provide praise and/or feedback.