



Chicken Water Cup Repair



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Summary

Repair piece for an Automatic Chickens Water Cup Dispenser

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I purchased 6 automatic filling Chicken Water Cups from Amazon. They worked great until a chicken bumped or jumped up onto one of them. This caused them to easily break. The original had a 1/4" screw-in plastic mount that wasn't strong enough to handle the impact from the chickens. Instead of mounting on the inside of the threaded PVC shaft, these glue to the outside of the 0.56" (14.3mm) shaft of the PVC fitting making them significantly stronger. I made mine out of ASA. Gluing requires a special adhesive available at any hardware store that is compatible for both PVC and ABS. As long as there is a clean path for water to flow through the PVC fitting, there is no need to removed the broken off part I used Oatley All Purpose Cement. This adhesive will probably work with PLA and PETG (not sure) however I recommend ASA for it's strength. Keep the wall count and infill density high for ultimate strength. Print requires a small support; I used a tree support.

Model files



chickenh2oadapt.stl

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