

Dust Cover "holder" for rear shock absorber on a 2019 Santa Fe



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Summary

A "holder" for the dust cover on the rear shock absorbers of a 2019 Hyundai Santa Fe

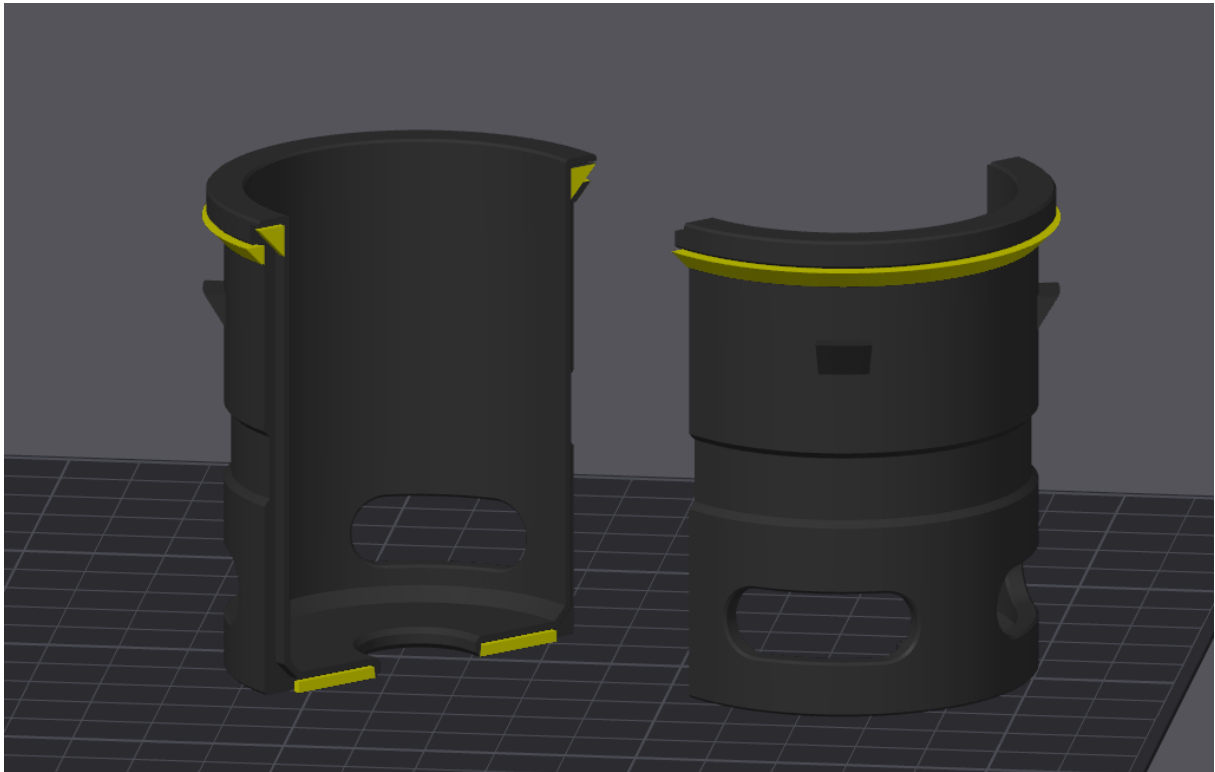
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When I decided to replace the rear shock absorbers on my 2019 Hyundai Santa Fe, I realized that the replacement parts (37341 Monroe OESpectrum) do not have a "holder" where the dust cover can attach to.

I don't know if this was an "intentional oversight" by the manufacturer or if the original part is supposed to come off the shock absorber somehow, but as I couldn't figure out how to make this work I decided to design my own part that can hold the dust cover in place.

This model is split into two pieces and has built-in support structures that need to be removed after printing: (The yellow parts highlighted here show the supports that need to be cut away)



Print Settings

I printed this using eSUN PETG at 0.2mm layer height and 4 walls.

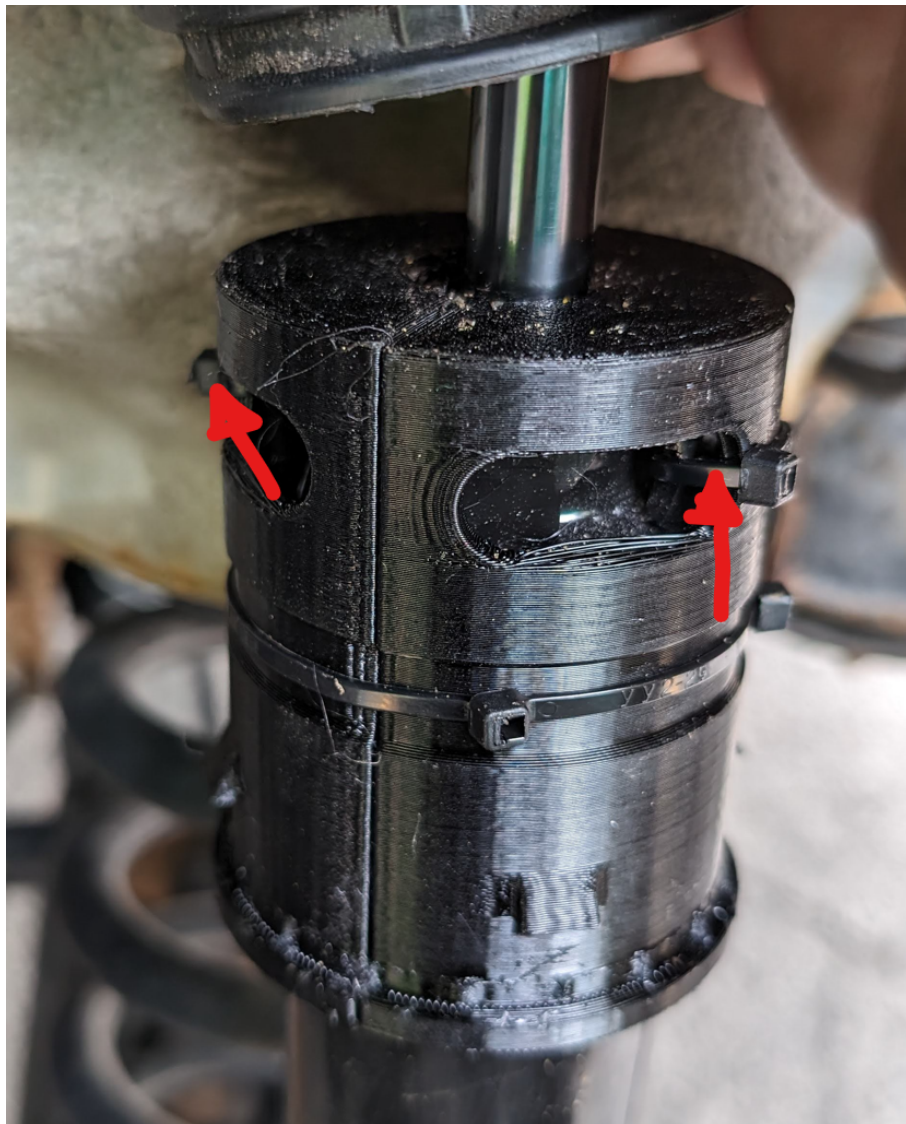
Assembly / Installation

I had already installed the shock absorbers on my vehicle, so I designed this to not require disassembly of anything.

- Place the two parts around the push rod and cylinder and “attach” to each other using a zip tie. (Center channel of the part)



- Now zip tie through the “crown” of the Monroe shock absorbers and through the gap holes in the top of the part. Try to install as many zip ties as you can. In my case I did 3



- Finally “slide” the dust cover over the part, ensuring the grabs are fully engaged and the bottom lip of the dust cover is firmly over the lip of the printed part: (the top arrow in the picture below indicates the line where the “grabs” need to hold onto)



Model files

shock-absorber-dust-cover-holder.step



part-b.stl



part-a.stl

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