



Shimano Shark Fin Bike Chainstay Deflector/ Protector- Deore XT DF-M730

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updated 9. 4. 2024 | published 9. 4. 2024

Summary

Reproduction of Shimano's iconic late '80s-early '90s chain deflector.

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A semi-faithful reproduction of Shimano's iconic Shark Fin, which “keeps the chain from jamming between the tire and chainstay” according to the original packaging. Attach to your bike using zip ties and/or double-sided tape.

Please note that when printed using FDM and from the bottom-up, the fin is theoretically very weak, since it will be stressed along the layer lines if a chain-suck incident occurs. Ideally, this is printed using SLA or SLS, though my PLA example has survived 2+ months of consistent gravel riding. That said, don't expect an FDM version to be nearly as effective as the original injection-molded version - this was more of a surface-modelling exercise than anything else.

FDM Printer Settings:

Material: PLA/PLA+

Nozzle: 0.4mm

Layer Height: 0.1mm recommended to reduce layer line visibility

Perimeters: 4

Infill: 100%

Supports: None

Adhesion: I prefer using a glue stick and disabling a brim to skip the post-processing, but either will work depending on your set up.

Other: Enabling Thick Bridges recommended

If you do strap this to your bike, please feel free to reach out with any feedback. Thanks!

Model files



xt_fin_v1_flat.stl

xt_fin_v1_flat.step

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