



Ice Scraper 4-in-1 Multitool (Safety Benefits)



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Summary

An Ice Scraper combined with car fuse remover, belt cutter and glass breaker ...

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Tags: [ice](#) [scraper](#) [fuse](#) [icescraper](#) [eiskratzer](#) [fusepuller](#) [glassbreaker](#)

I made an ice-scraping Multi-Tool and combined it with a Car Fuse Removal Tool (<https://www.printables.com/de/model/74123-car-fuse-removal-tool> ... Big Thanks to jarza for that) as well as a belt cutter and glas breaker.

*** VERY IMPORTANT NOTE ***

Please have in mind that this is a hobby project for fun. I haven't tested all functionalities under real life accident conditions ... so I will not hold any responsibilities for the usage of it. Please mind that I will not be liable on any special, indirect, incidental, consequential, punitive or exemplary damages ... Be careful and use your own brain, please :-) And mainly ... DRIVE SAFE & SOBER.

*** Enhanced Version V2 ***

I improved the design a little bit ... (and will post a make in the coming days).

- Quite different base shape
- improved handle for more grip
- beveled edges for smoother feeling
- place for one large screw on the pommel of the scraper for more impact power
- **Belt Cutter:** You have to pause the print at 6.9mm height and put a trapezoid blade inside (Standard Size of 61mm in width, max. 19mm height and a thickness of 0.6mm).



- **Glass Breaker:** You can screw a metric screw (M10 x 20mm) into the handle end side of the scraper.
- **Fuse Removal Tool:** It is fixed with two little pins ... just break it free once needed.
- **Ice Scraper:** Just push it, baby ...

*** Notes for the old V1 ***

- **Belt Cutter:** You have to pause the print at 6.9mm height and put a trapezoid blade inside (Standard Size of 61mm in width, max. 19mm height and a thickness of 0.6mm).



- **Glass Breaker:** You can screw metric screws and nuts into the hammer side of the scraper. M5 on the one side to crack and M8 on the other side to crush should work.
- **Fuse Removal Tool:** It is fixed with two little pins ... just break it free once needed.
- **Ice Scraper:** Just push it, baby ...

*** Printing notes ***

- No supports needed
- I printed it in 0.12mm layer height
- more infill is better, to give it some weight. I printed with 25% and it should be more
- Pause at 6.9mm (see slicing file for exact layer (see my screenshot for an example) and put in the trapezoid blade

This remix is based on



Car fuse removal tool

by jarza

Model files



ice-scraper-multitool-hammer_v2.stl

📄 Ice Scraper Multitool V2



ice-scraper-multitool-hammer_v1.stl

📄 Ice Scraper Multitool V1

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