

Gas Cap Opener

SUMMARY

Title

Gas Cap Opener

Subtitle

The gas cap opener is a device designed to allow users with limited grip strength and hand function to easily open and close the gas cap on their vehicle.

Device Details

Overview

Some people with limited grip strength/hand function have difficulty opening the gas cap on their vehicle. There are several commercial and DIY options available for opening vehicle gas caps, but most focus on grip strength issues, with limited options available for users with limited hand function.

Usage

To use, place the + shaped end of the gas cap opener over the gas cap on the car. The handle on the opener can then be turned to either tighten or loosen the cap, as normal.

If this device does not function with the gas cap on your vehicle, please get in touch with us so we can make changes to the design to make it compatible with more vehicles.

Cost

<\$10

Build Instructions

This device is assembled from two separate halves, connected by an aligning pin and two threaded knobs.

Skills Required

- 3D Printing

Time Required

- 3D printing time: 884 min
- Assembly Time: 5 min

Tools

- 3D Printer
- Pliers

Components

- Handle x2
- Knob x2



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- Pin x1

Attribution

Design by Neil Squire Society/Makers Making Change

Initial prototype inspired by the Freedom Gas Cap Wrench



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