



VERUS ENGINEERING

Universal Vortex Generators Install Manual



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Release Date: 2022/2/17
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Document Revisions

Rev	Date	Author	Description
01	2022/2/17	T. Lang	Initial release of install manual

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1. Introduction

1.1. Overview: Detailed instructions on installing the Verus Engineering Universal Vortex Generators.

1.2. Difficulty: Easy

1.3. Time Required: Approximately .5 hours

1.4. Tools Needed:

1.4.1. 50/50 mix of Isopropyl alcohol/water mix

1.4.2. Measuring Tape

1.4.3. Painter's tape

1.4.4. Sharpie



1.5. Vortex Generator Kit Components

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- 1.5.1. (1) Vortex Generator
- 1.5.2. Hardware Bag
 - 1.5.2.1. (1) Pre-cut VHB Double Sided Tape



2. Vortex Generator Kit Install

- 2.1. Verus Engineering is not responsible for damage to you or your vehicle by following this manual and/or installing Verus Engineering products.
- 2.2. We begin by figuring out where we want to place the Vortex Generators.
- 2.3. Next, we will find the center of the roof.
 - 2.3.1. Do this by first placing some painter's tape on the approximate center of the roof.
 - 2.3.2. Next, measure across the roof from side to side and mark center on the tape.

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- 2.4. Find the “Center of car” and “Edge of roof” marks are correctly lined up.
- 2.5. Do your math to figure out how far apart each Vortex Generator will need to be spaced.
- 2.6. Mark these locations with painter’s tape once you have figured out the appropriate spacing.
- 2.7. Prep each Vortex Generator, as well as the roof surface with a 50/50 Isopropyl alcohol mix, and a clean rag.
- 2.8. Apply the VHB tape to each Vortex Generator. Make sure the VHB tape is centered. Evenly and firmly apply pressure to ensure proper adhesion. **NOTE: The minimal temperature for install should be 50 degrees Fahrenheit. At room temperature approximately 50% of ultimate bond strength will be achieved after 20 minutes, 90% after 24 hours, and 100% after 72 hours.**

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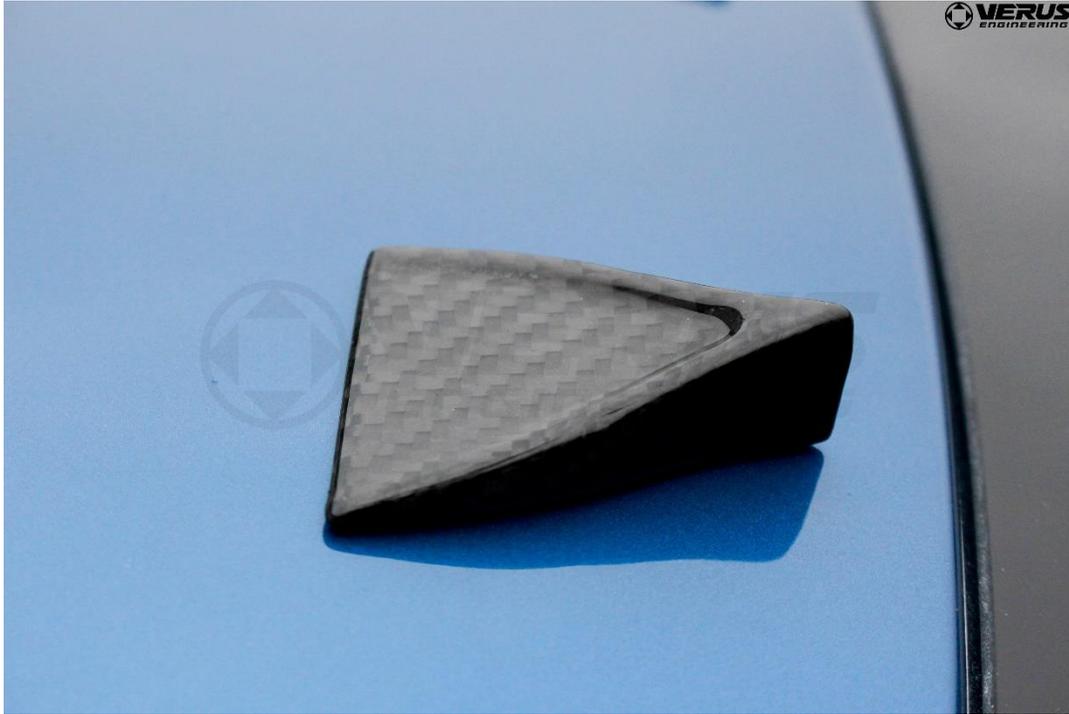


- 2.9.** Apply each Vortex Generator to the car by placing them in the sections you just marked with the painter's tape. You might find it useful to lightly place all of them on the roof first before final application. This may allow you to realign any pieces if necessary. Use the same technique as stated in 2.6 for final application.
- 2.10.** Congratulations on installing our Universal Vortex Generators!
- 2.11.** Please send any questions, comments, concerns, or photos to Verus Engineering via e-mail; sales@verus-engineering.com.



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