

VERUS ENGINEERING

Carbon Rear Diffuser – C8 Corvette Stingray Install Manual



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Carbon Rear Diffuser, C8 Corvette Stingray – Install Manual

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1. Introduction

1.1. Overview: Detailed instructions on installing the Verus Engineering Carbon Rear Diffuser for the C8 Corvette Stingray.

1.2. Difficulty: Beginner

1.3. Time Required: 1-1.5 hours

1.4. Tools Needed:

- 1.4.1. Ratchet or impact
- 1.4.2. 13mm socket
- 1.4.3. 7mm Socket
- 1.4.4. Long extension
- 1.4.5. T15 key or socket
- 1.4.6. 4mm Allen Wrench or Socket
- 1.4.7. Drill
- 1.4.8. 1/4" drill bit
- 1.4.9. Jack and jack stands or lift



1.5. Rear Diffuser Components:

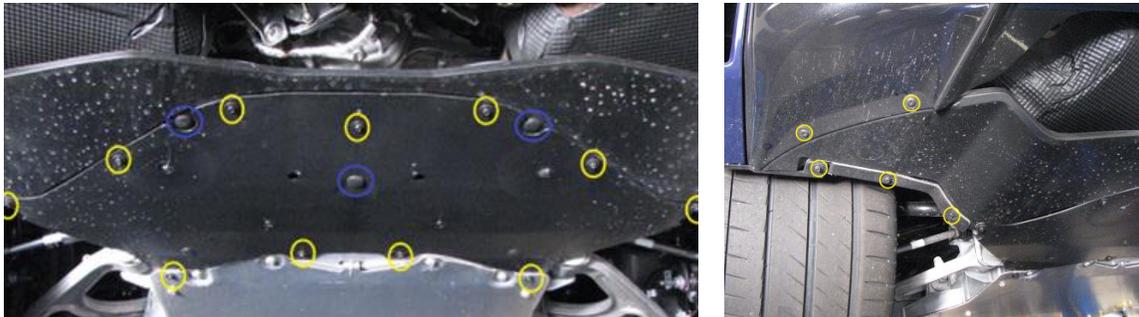
- 1.5.1. (1) Carbon Rear Diffuser
- 1.5.2. (1) Left Bracket, Powder coated
- 1.5.3. (1) Right Bracket, Powder coated
- 1.5.4. (4) Polyweave Grind Strakes
- 1.5.5. (1) Hardware Bag
 - 1.5.5.1. (10) M6 x 1.0, 10mm Long, BHCS – Stainless
 - 1.5.5.2. (5) M6 x 1.0, 16mm Long, Button Head Cap Screw (BHCS) – Black Oxide Stainless
 - 1.5.5.3. (5) M6 x 16mm OD Washer - Black Oxide Stainless
 - 1.5.5.4. (10) M6 x 18mm OD Fender Washer - Stainless
 - 1.5.5.5. (4) M6 x 1.0, Clip-on Nut - Steel

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2. Rear Diffuser 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 on your vehicle.
- 2.2.** We begin by jacking the rear of the car up on a level surface. Use of wheel chocks is suggested to keep the front wheels from rolling. Using a lift is also a possibility. Do so carefully!
- 2.3.** We will then remove the hardware on the rear splash guards circled below in yellow. There is a total of (4) T15 screws and (17) 7mm screws. These two panels will be left suspended by (3) plastic panel clips circled below in blue. Remove these as well.



- 2.4.** Prepare the powder coated brackets for installation. Each bracket will get (2) clip-on nuts. When installed on the car, the threaded side of the nuts should face up.



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- 2.5. Using the 13mm socket and long extension, remove the 2 bolts (pictured below) for the exhaust hangar. Only remove one side at a time so that the exhaust does not fall. Once the bolts are removed, loosely install the provided bracket. The brackets will be fully tightened down later. **See image below for bracket orientation. The Verus logo should be readable through the bumper grille (shown below).**



- 2.6. At this point, you can install the polyweave skid vanes onto the diffuser. This is optional! There are 8 total mounting holes for these (circled in red below). Thread the M6 BHCS with washers into the skid vane. The larger end of the skid vane should face towards the front of the car. **Note: During the clear coating process, these holes may have become too small for the hardware to pass through. You will need to use your 1/4" drill or step bit to open up the holes.**



- 2.7. Now that the brackets are loosely in place and skid vanes are installed, test fit the diffuser. The diffuser hooks on the rear bumper (circled in green below). At this point, you are looking to see if the brackets line up with the mounting holes in the diffuser. This part may take some trial and error. **Note: The edges of the diffuser are rough and can scratch through paint. Be mindful of this when removing and installing the diffuser.**

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- 2.8. Once the desired fitment is achieved, the mounting brackets receive the black oxide M6 BHCS and washers as shown below.



- 2.9. Reinstall all factory hardware and ensure diffuser is centered before tightening fully. **Note: Overtightening hardware may damage or crack the carbon. Hardware should only be tightened a few foot pounds.**
- 2.10. Congratulations, you have successfully installed the Verus Engineering Carbon Rear Diffuser for the C8 Corvette Stingray! You can now benefit from an increase in rear end downforce and a reduction in vehicle drag among other benefits.
- 2.11. Please contact Verus Engineering with any feedback, concerns, and questions via e-mail, support@verus-engineering.com.

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