



## Carbon Ducktail Spoiler – C8 Corvette Stingray

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### Install Manual



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## Carbon Ducktail Spoiler, C8 Corvette Stingray – Install Manual

## 1. Introduction

**1.1. Overview:** Detailed instructions on installing the Verus Engineering Carbon Ducktail Spoiler on the Corvette Stingray.

**1.2. Difficulty:** Moderate

**1.3. Time Required:** 1 – 1.5 hour

**1.4. Tools Needed:**

- 1.4.1. Ratchet or impact
- 1.4.2. Assortment of extensions
- 1.4.3. T15 Torx key or socket
- 1.4.4. 7mm socket
- 1.4.5. 10mm deep well socket
- 1.4.6. 22mm socket (aftermarket lug nut sizes vary)
- 1.4.7. Scissors
- 1.4.8. Plastic pry tools
- 1.4.9. Drill
- 1.4.10. Rubber wheel
- 1.4.11. Heat Gun
- 1.4.12. Sharpie or Paint Pen (optional)
- 1.4.13. 50/50 Mixture of Isopropyl Alcohol and Water
- 1.4.14. Microfiber



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### 1.5. Rear Spoiler Components

- 1.5.1. (1) Carbon Ducktail Spoiler
- 1.5.2. (1) Hardware Bag
  - 1.5.2.1. (1) 3M VHB Roll



## 2. Ducktail Spoiler 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. First, we must jack up the rear of the car. We recommend putting the rear on jack stands and placing wheel chocks in front of the front wheels or using a lift if one is available.
- 2.3. If you currently have a rear diffuser installed, it will need to be removed before we proceed.



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**2.4.** Using the 22mm socket, remove both rear wheels.



**2.5.** After we remove both rear wheels, there will be a rock guard on the rear of the wheel well. To remove this, take out the 7mm that goes in it from the bottom (yellow arrow) and use your plastic pry tool to release the (4) mounting clips. Repeat for the other side.



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- 2.6.** You will now see (2) T15 screws that were behind the rock guards. Remove the screws for both sides, circled in red.



- 2.7.** We then fold back the fender liner to improve visibility. We tucked the fender liner behind the brake caliper as shown below.

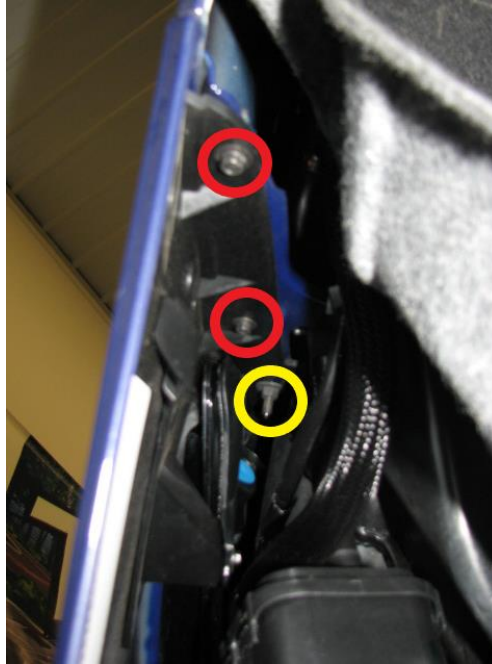


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- 2.8.** Remove the (2) 7mm screws (circled in red below) and the (1) 10mm nut (circled in yellow below) that fasten on the inside of the bumper. Repeat for the other side.



- 2.9.** With the bumper hardware removed from the wheel well, we will now open the engine cover and access the top bumper screws.



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- 2.10. Remove all (16) T15 screws that go in the top of the bumper. The image below shows one half of the fasteners (circled in red).



- 2.11. Now that all hardware has been removed, lift and pull the bumper rearward to remove.  
**Note: It will be helpful to have an extra set of hands when removing and reinstalling the bumper.** There will be (3) electrical connectors (two large and one small circled in red below), all release in the same fashion, extend the red tab out then push release tab.



- 2.12. Place the bumper in a safe place, we will need to remove all 3 tail light assemblies. The third brake light has one electrical connector and (5) 7mm screws. The other combination assemblies have one electrical connector, one harness clip and (6) 7mm screws each.



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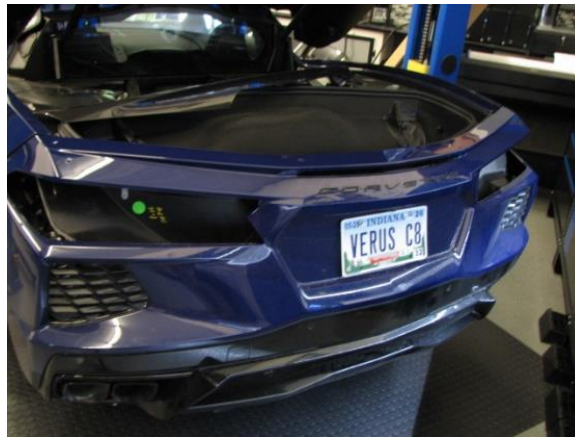


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- 2.13.** You can now access and remove the (6) 10mm fasteners (circled in red) that hold the OEM rear spoiler on. There will also be some factory double sided tape holding the spoiler on.



- 2.14.** Temporarily reinstall the rear bumper on the car so we can remove the OEM rear spoiler. We threaded in a few of the T15 screws to hold the bumper in place while we worked. **\*Note, the spoiler is removed in the below image.\***



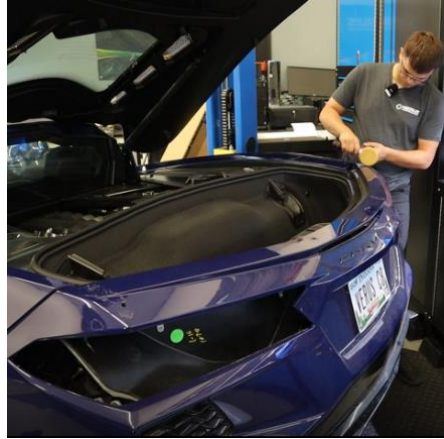
- 2.15.** Use your heat gun and plastic pry tools to loosen up the double-sided tape. Once tape is freed up, remove the factory spoiler. **Note: Do NOT stay in one spot for too long when using the heat gun. Excessive heat can cause damage to paint and/or disform the bumper.**



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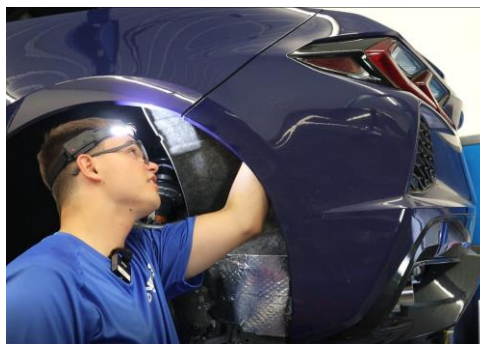
- 2.16.** After the factory spoiler is removed, you will need to clean up residual double-sided tape. Use your drill paired with a rubber wheel to remove the excess tape. Once the tape is removed, go back over it with your 50/50 isopropyl alcohol mix and microfiber to clean up adhesive residue. **Note: Control the speed of your rubber wheel. If you stay in one spot or spin it too fast you can damage your paint.**



- 2.17.** When you get all of the old double-sided tape and adhesive residue cleaned up, pull the bumper back off and reinstall the (2) combination lamps and (1) third brake light.



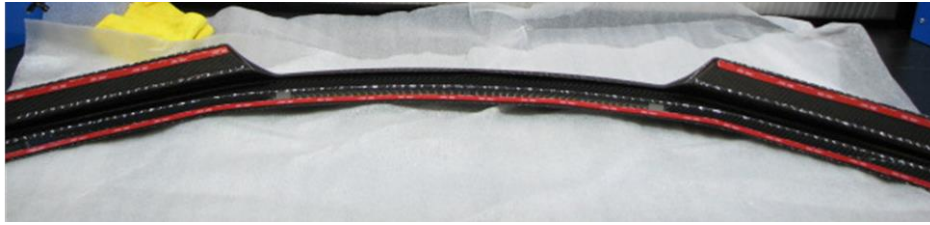
- 2.18.** Reinstall the assembled bumper, tighten all hardware. (16) upper screws, (2) 7mm and (1) 10mm per wheel well, (2) T15 behind the rock guard on both sides, (1) 7mm per side going in the underside of the rock guard. If you have a rear diffuser, reinstall it at this time.



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- 2.19. With all bumper hardware reinstalled, put your rear wheels back on and lower your car on the ground so you can torque your lug nuts to factory specification.
- 2.20. Now that the car is back on the ground, prep your ducktail spoiler for 3M tape. Clean the spoiler surfaces with the 50/50 isopropyl alcohol mixture.
- 2.21. Apply the 3M tape on the forward most edge and the two rearward most edges (over each tail light). Image of 3M application is provided below.



- 2.22. Clean the bumper surfaces with the same 50/50 isopropyl alcohol mixture where we will be installing the spoiler.
- 2.23. Pull up the red “tail” of the 3M tape so you have a good starting point to pull from. Align the spoiler on the car by using the third brake light and body lines. When desired fitment is achieved, pull off the red section of the tape and apply pressure to make sure the tape is making good contact. **Note: Troublesome areas we experienced are both front corners, you may need to set a heavy object with a microfiber under it to achieve maximum contact and ideal fitment.**
- 2.24. For best adhesion, the following guidelines should be met for install: **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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- 2.25.** Congratulations on installing our Carbon Ducktail Spoiler on your C8 Corvette Stingray. Please send any questions, comments, concerns, or photos to Verus Engineering via e-mail; [support@verus-engineering.com](mailto:support@verus-engineering.com).



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