

VERUS ENGINEERING

Rear Ducktail Spoiler

Install Manual



Author: Eric Hazen

Release Date: 2019/10/28

Approvals: E. Hazen, C. Warner

Document Revisions

Rev	Date	Author	Description
01	2019/10/28	E. Hazen	Initial release of install manual

CONTENTS

1. Introduction	<3>
1.1. Overview	<3>
1.2. Difficult	<3>
1.3. Time Required	<3>
1.4. Tools Needed	<3>
1.5. Rear Spoiler Components	<3>
2. Rear Spoiler Install	<4-7>

Rear Spoiler, VA WRX – Install Manual

1. Introduction

1.1. Overview: Detailed instructions on installing the Verus Engineering spoiler on the VA Subaru WRX.

1.2. Difficulty: Easy

1.3. Time Required: 0.5-1 hour

1.4. Tools Needed:

1.4.1. Painters Tape

1.4.2. Scissors

1.4.3. Rubbing Alcohol

1.4.4. 8mm Socket

1.4.5. Ratchet

1.4.6. Microfiber Towel

1.4.7. Flathead screwdriver

1.5. Rear Spoiler

1.5.1. Carbon Rear Spoiler

1.5.2. Hardware Bag

1.5.2.1. (1) Roll of Double-Sided 3M VHB Tape



Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.

Rear Spoiler, VA WRX – Install Manual

2. VA Subaru WRX Rear 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. We start the install by removing the black headliner on the Subaru WRX. This is removed by removing plastic push clips and is shown removed in the below photos.



- 2.3. We can now remove the (2) bolts that hold the OE spoiler on the car. These are 8mm bolts.



Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.

Rear Spoiler, VA WRX – Install Manual

- 2.4. We can now remove the spoiler. It is held on by multiple plastic push pins which will let go when pulling the spoiler away from the vehicle. This is shown below.



- 2.5. The OE spoiler is now removed and we can clean the area with a 50/50 mix of isopropyl alcohol.

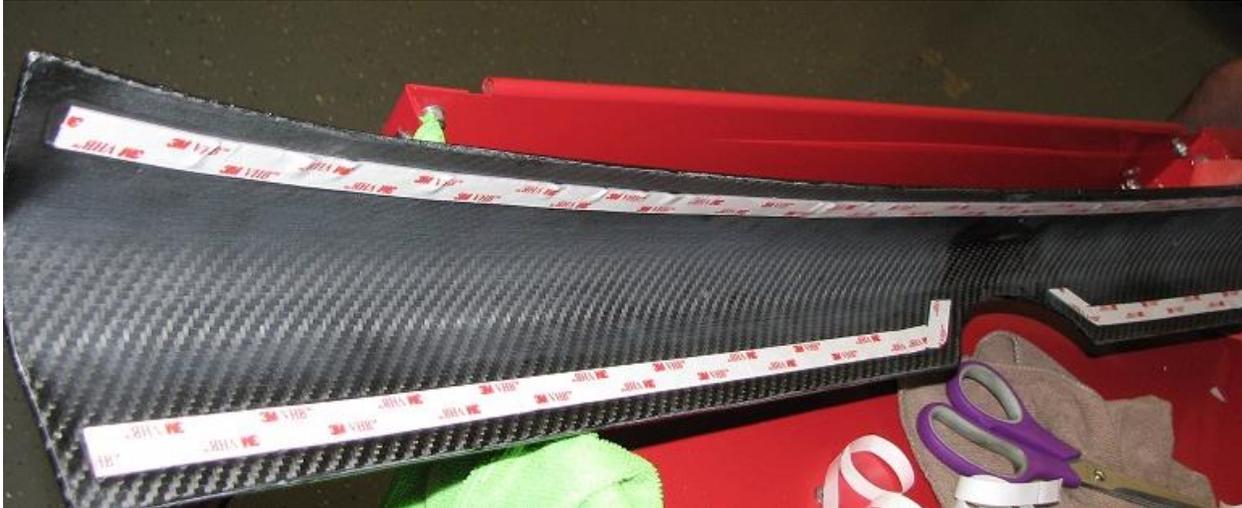


- 2.6. It is ***highly*** recommended to follow 3M's VHB install instructions, which are listed in these steps below. The ambient temperature should be over 50 degrees F. 50% of the ultimate bond strength will be achieved after 20 minutes, 90% after 24 hours, and 100% after 72 hours.
- 2.7. It is recommended to let the spoiler sit for at least a day to ensure proper adhesion.
- 2.8. Thoroughly clean the spoiler mounting flange with the same 50/50 solution of alcohol/water.

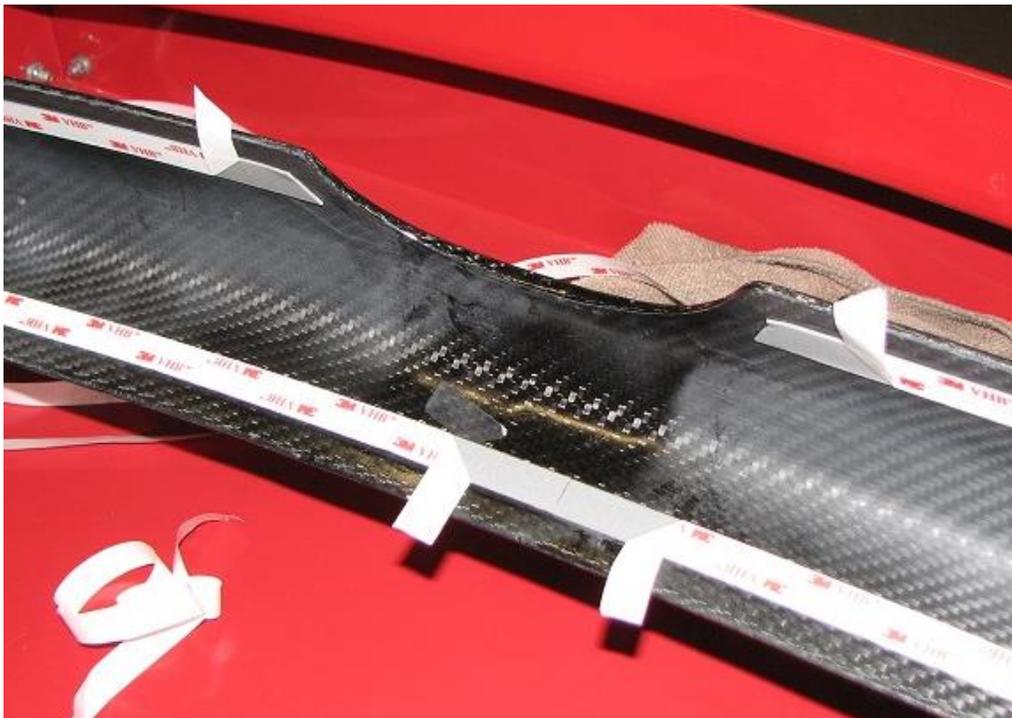
Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.

Rear Spoiler, VA WRX – Install Manual

- 2.9. Install the doubled sided tape on spoiler with the red side facing upward (**NOTE: Prototype double-sided tape is not red. Production rolls will have a red protective covering!**)



- 2.10. With the double sided tape installed on the spoiler, we can mark the outsides of the spoiler so that it is centered. We used painters tape to do this.
- 2.11. Once the edges are marked and you are happy with spoiler placement, remove the spoiler and remove the red backing with some “pull tabs”.



Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.

Rear Spoiler, VA WRX – Install Manual

- 2.12. Place the spoiler on the car. Once happy with location, pull one tab at a time and press/massage the spoiler into the chassis. Repeat this with as many “pull tabs” as you created until the entire spoiler is installed.
- 2.13. It is recommend to let the car sit for one day minimum to ensure best possible adhesion.
- 2.14. Congratulations on installing the Verus Engineering spoiler for the VA chassis WRX.
- 2.15. Please send any questions, comments, concerns, or photos to Verus Engineering via e-mail; sales@verus-engineering.com.



Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.