

VERUS

ENGINEERING

VA 2015+ WRX/STI Rear Suspension Cover

Install Manual



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1. Introduction

1.1. Overview: Detailed instructions on installing the VA 2015+ WRX/STI rear suspension cover.

1.2. Difficulty: Beginner-Moderate

1.3. Time Required: 1.5-2 hours

1.4. Tools Needed:

- 1.4.1. Jack
- 1.4.2. Jack Stands
- 1.4.3. Ratchet
- 1.4.4. 10mm socket
- 1.4.5. 12mm socket
- 1.4.6. 4mm Allen wrench
- 1.4.7. 5mm Allen wrench
- 1.4.8. Drill
- 1.4.9. Center Punch
- 1.4.10. Drill Bits

1.5. Rear Diffuser Components

- 1.5.1. (1) Passenger side suspension cover
- 1.5.2. (1) Driver side suspension cover
- 1.5.3. (2) Brackets
- 1.5.4. (1) Hardware Bag
 - 1.5.4.1. (8) M6 x 1.0 SS BHCS, 16mm Length
 - 1.5.4.2. (2) M8 x 1.25 SS BHCS, 55mm Length
 - 1.5.4.3. (8) M6 SS Fender Washer
 - 1.5.4.4. (2) M8 SS Fender Washer
 - 1.5.4.5. (8) M6 x 1.0 Flanged SS Serrated Nut
 - 1.5.4.6. (2) 8mm ID, 38mm Long Spacer

2. Rear Suspension Cover Installation

2.1. Verus is not responsible for damage to you or your vehicle by following this manual and/or installing Verus Engineering products. ****Please note, to install the rear diff covers, the diffuser should likely be left off the car or removed from the vehicle.***

2.2. We begin by jacking the car up. You will want to choke the front wheels and do this on a flat surface to ensure the car does not want to roll away. Using a lift is also perfectly fine for this install.

2.3. Place a jack stand on either side of the car, you can use the frame rails or the pinch welds.

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- 2.4. If you have a rear diffuser installed, remove the rear diffuser at this point.
- 2.5. Place the rear diffuser and suspension covers on the ground.



- 2.6. We can see above, there are (3) locations per suspension cover for bolts to be installed from the suspension covers to the rear diffuser. Mark these locations with a paint pen while on a flat surface.
- 2.7. Utilizing a center punch or a sharp tap and hammer, center punch these (6) locations.
- 2.8. Drill these holes to a final size of 1/4". You can go a bit larger if necessary, but 1/4" is large enough to pass an m6 through.



- 2.9. Remove the burr from both sides of the rear diffuser with a chamfer bit.



- 2.10. Ensure the holes in the diffuser line up with the slots in the rear suspension covers.

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- 2.11.** Once you are happy with the holes you have just drilled in the rear diffuser, re-install the rear diffuser. If you have not installed the rear diffuser before, refer to our rear diffuser installation manual located online.
- 2.12.** We can begin installing the rear suspension covers at this time!
- 2.13.** Begin by installing the thick bracket as shown below. This is located below the gas tank, on the front side of the rear suspension covers. Loosely install the factory M8 nut, do not fully tighten it until we have installed the covers and M6s.



- 2.14.** Locate the OEM gas tank cover nut shown below. It is located near the pinch welds.



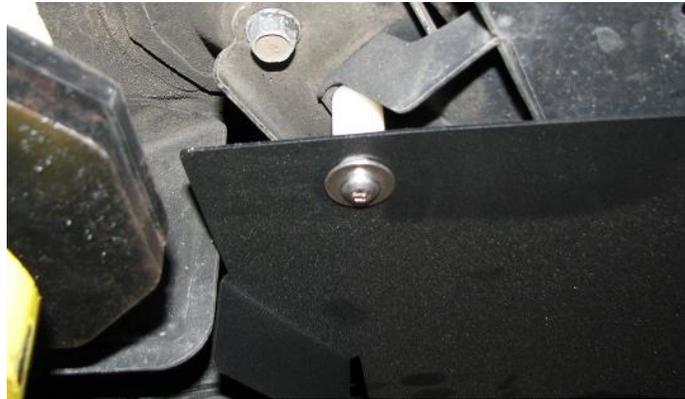
- 2.15.** Remove this nut with the 12mm bolt.
- 2.16.** If you have a helping hand to install the rear suspension covers, now is the time for their help.
- 2.17.** Using the supplied M6x1.0 x 16mm long bolts, a washer, and then a nut, install the suspension covers to the rear diffuser.

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- 2.18.** The goal is to create a nice flat surface to reduce drag. The rear most part of the suspension covers should align with the bottom portion of the rear diffuser.
- 2.19.** Utilizing the M8 BHCS, washer, and nylon spacer, install these as shown below.



- 2.20.** Finally, install the last M6x1.0 BHCS, washer, and nut as shown below. This will be going to the bracket we installed in step 2.13.



- 2.21.** While pushing up on the front of the rear suspension covers, you can tighten the brackets through the holes cut out in the suspension covers.

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2.22. Ensure all bolts and nuts are tight at this time.

2.23. This concludes the VA 2015+ WRX rear suspension cover install, congratulations! Please send any comments, concerns, questions, and general feedback to Verus Engineering via sales@verus-engineering.com.



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