

VERUS ENGINEERING

BRZ / GT86 / FRS Rear Spat Kit

Install Manual



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Document Revisions

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01	2016/10/10	E.Hazen	Initial release of install manual
02	2017/08/08	P. Lucas	Company name change from Velox to Verus

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ZN6/ZC6 Rear Spat Kit – Install Manual

1. Introduction

1.1. Overview: Detailed instructions on installing the rear spat kit for the FRS / BRZ / GT86 chassis.

1.2. Difficulty: Beginner

1.3. Time Required: 0.5-1 hour

1.4. Tools Needed:

- 1.4.1. Screwdriver
- 1.4.2. 4mm Allen Wrench
- 1.4.3. 5mm Allen Wrench
- 1.4.4. 9/16" wrench

1.5. Rear Spat Components

1.5.1. Left hand rear spat

1.5.2. Right hand rear spat

1.5.3. Hardware Bag

- 1.5.3.1.** (6) M6 x 1.0 SS Flat Head Cap Screw (FHCS) x 30mm
- 1.5.3.2.** (6) M6 x 1.0 Plastic Rivet Nuts
- 1.5.3.3.** (6) 3/8" ID washers
- 1.5.3.4.** (1) M6 x 1.0 Rivet Nut Install Tool



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2. Rear Spat Kit

- 2.1.** Velox is not responsible for damage to you or your vehicle by following this manual and/or installing Verus Engineering products
- 2.2.** The car does not need to be lifted up for this install, though it can help if you are low.
- 2.3.** Begin by removing the top of the rear bumper plastic rivet. This is found in the fender and can be removed by pressing in the middle and then pulling forward. The rivet needed to be removed is shown below circled in red.



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- 2.4.** Then on the bottom, we'll need to remove the two plastic rivet nuts circled in yellow below. To do this, use a flat head screw driver and pull the center of the rivet nut down, then pull the entire rivet nut out. We won't be re-using these.



- 2.5.** From the top of the rear bumper, pull outward gently as shown below. It does not need to be pulled out further than shown below.



- 2.6.** Moving back to the bottom side, pull the bumper outward and we gain access to the hard black plastic piece we will be installing the rivet nuts. The rivet nuts are installed in the picture below.

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- 2.7.** To properly install the rivet nut, you'll want to thread the rivet nut onto the tool as shown below.



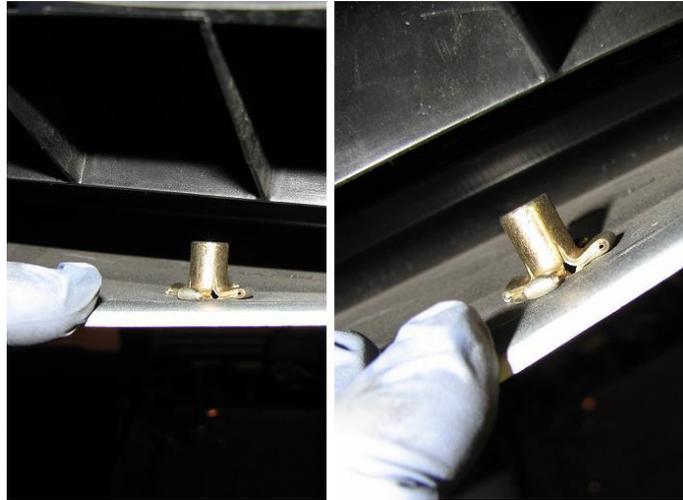
- 2.8.** Place the rivet nut into the hole. If you'd like to use the rivet nut backing washer, you'll need access to the top side of the black plastic piece. The black plastic will go between the head of the rivet nut and the washer. Note, the backing washer is not necessary but will decrease the chance that the rivet gets pulled through, we did not use the washers personally.



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- 2.9.** Using the 9/16" wrench and the 5mm allen wrench, hold the nut steady and tighten the allen bolt. You'll have some initial resistance, than the rivet nut will begin to pull tighter on the material.
- 2.10.** Below are pictures of a properly installed rivet nut. We did not use the backing washers here though feel free to if you would like, they are supplied with each kit.



- 2.11.** Re-install the top of the bumper by pressing the bumper inward and re-installing the plastic rivet nut.
- 2.12.** From the bottom, bolt the rear spat onto the car with the supplied bolts. The rear spat has a bottom and a top side, the bottom has the counter-sunk holes which allows the bolts to sit flush with the surface when fully tightened.



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- 2.13.** Using the 4mm allen wrench, fully tighten these bolts to a snug fit. Use of blue loc-tite can reduce the risk of the bolts rattling loose but we have not had an issue in 6 months with our prototype units.
- 2.14.** We have now finished the install! Please contact Verus Engineering with any questions, comments, concerns, and feedback via sales@verus-engineering.com.

