

VERUS ENGINEERING

Rear Diffuser – Mk5 Toyota Supra Install Manual



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Rear Diffuser, Mk5 Toyota Supra – Install Manual

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1. Introduction

1.1. Overview: Detailed instructions on installing our rear diffuser on the MkV Toyota Supra.

1.2. Difficulty: Easy

1.3. Time Required: 0.5-1 hour

1.4. Tools Needed:

- 1.4.1. 8mm Socket
- 1.4.2. Ratchet
- 1.4.3. 10mm Wrench
- 1.4.4. Flat Head Screwdriver
- 1.4.5. 4mm Allen Wrench
- 1.4.6. Extension
- 1.4.7. Needle Nose (Optional)

**1.5. Rear Diffuser Components**

- 1.5.1. (1) Assembled Rear Diffuser Main Plane
- 1.5.2. (2) Bracket, Front
- 1.5.3. (4) Bracket, Rear
- 1.5.4. Hardware Bag
 - 1.5.4.1. (11) M6 x 1.0 BHCS (Button Head Cap Screw) x 20mm Long, Stainless
 - 1.5.4.2. (4) M6 x 1.0 BHCS x 45mm Long, Stainless
 - 1.5.4.3. (15) M6 Fender Washer, Stainless
 - 1.5.4.4. (11) M6 x 1.0 Nut, Serrated, Stainless
 - 1.5.4.5. (4) 5mm Spacer, Nylon
 - 1.5.4.6. (4) 10mm Spacer, Nylon
 - 1.5.4.7. (4) 15mm Spacer, Nylon

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**2. Mk5 Toyota Supra 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.
- 2.2. We begin by gaining access to the bottom of the rear bumper. You can do this by either jacking the rear of the car up while utilizing jack stands; or on a lift.
- 2.3. Below is a photo with access to the rear so that we can install the rear diffuser.



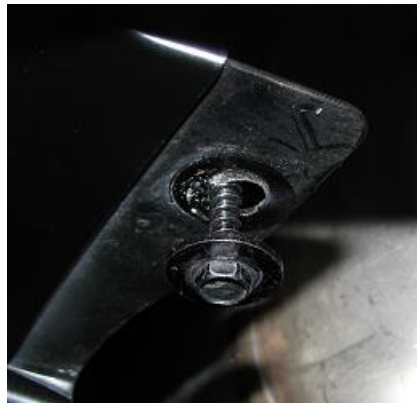
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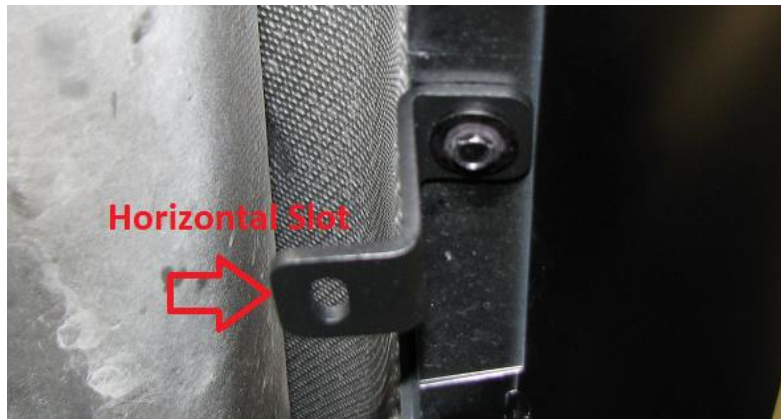
- 2.4. There are a total of six locations to mount brackets to. The rear units are circled in blue, while the front units are circled in red.



- 2.5. To install the rear mounts, simply remove the OEM 8mm bolt shown below.



- 2.6. Grab one of the rear mounts and install it with the OEM bolt. Do your best to install the mount so it is pointing fore and aft (not crooked). Note orientation on car and slot positions.



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2.7. Moving to the front locations, we have to remove the below assembly from the vehicle.



2.8. Remove the 8mm coarse thread bolt first.

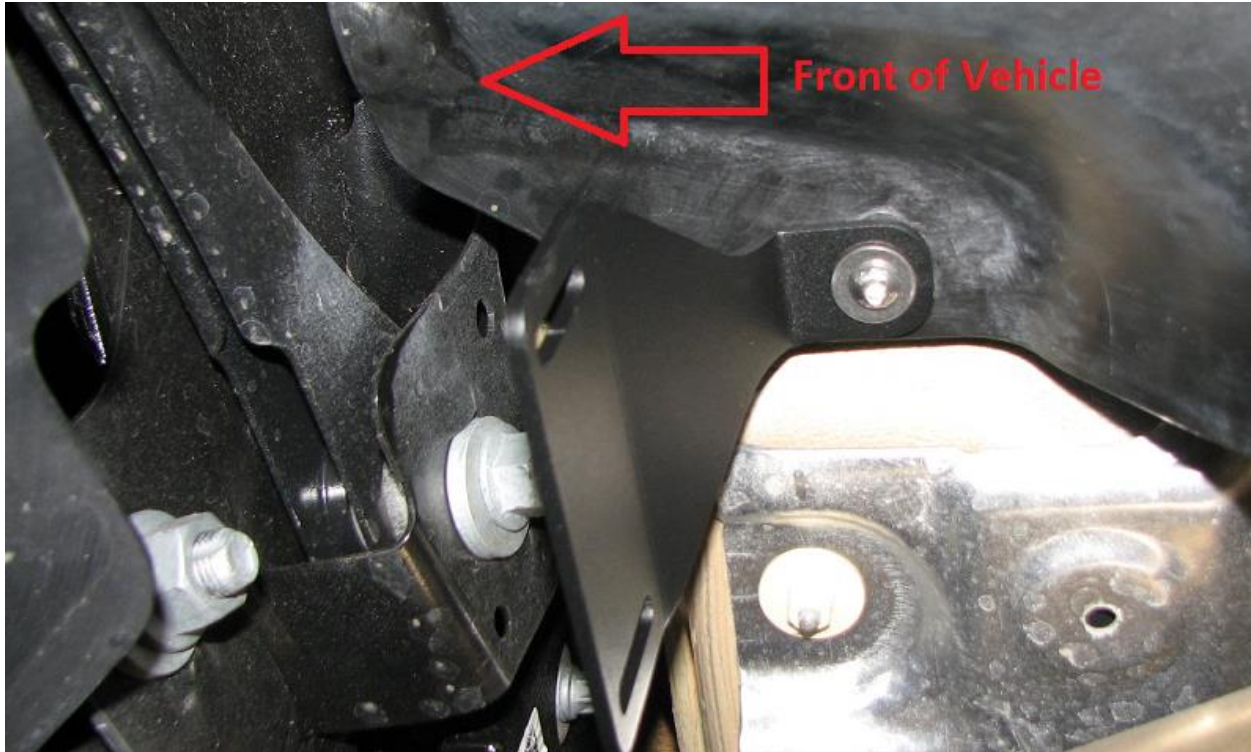
2.9. Remove the white/tan plastic piece from the chassis. This separates into a top half and a bottom half and that is how it is removed from the chassis. Use the screwdriver to pull down on the head of it and needle nose pliers to remove it completely. Below is an image with the part removed.



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- 2.10.** Install the front bracket as shown below. Utilize the M6 x 20mm Long BHCS with a fender washer below, and a serrated nut above the chassis. Note the orientation of the bracket.



- 2.11.** We can now install the rear diffuser. It helps to have an additional set of hands but it is not necessary. On the front (4) locations, we will install the 20mm long BHCS, with a fender washer and a serrated nut on the other side.



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- 2.12. On the rear, you can either install the 20mm BHCS if the diffuser is going to be installed all the way up, or utilize the 45mm long bolts with spacers to space the diffuser down to clear exhausts.
- 2.13. To properly install the rear diffuser, the bottom of the strakes should be parallel to the bottom of the rest of the car. If the car has no rake, the rear diffuser strake should be parallel to the ground.
- 2.14. Once the rear diffuser is properly sitting on the car, in the highest position possible to clear any exhaust, you can fully tighten all the bolts.
- 2.15. **Ensure the bolts are all sufficiently tightened, 6 ft-lbs for the M6 hardware**
- 2.16. Congratulations on installing the Verus Engineering rear diffuser on the Mk5 Toyota Supra.
- 2.17. Please send any questions, comments, concerns, or photos to Verus Engineering via e-mail; sales@verus-engineering.com.



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