Carbon Polyweave Side Splitter Kit – Mk5 Toyota Supra

Install Manual

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Release Date: 2021/04/13
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Document Revisions

Rev	Date	Author	Description
01	2021/04/13	C. Warner	Initial release of install manual

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CONTENTS

Carbon Polyweave Side Splitter Kit, Mk5 Toyota Supra – Install Manual

1. Introduction

1.1. Overview: Detailed instructions on installing the Verus Engineering Carbon Polyweave Side Splitter Kit for the Mk5 Toyota Supra.

1.2. Difficulty: Easy

1.3. Time Required: 1 – 2 Hours

1.4. Tools Needed:

1.4.1. Drill
1.4.2. Paint Marker/Sharpie
1.4.3. T35 Torx Bit
1.4.4. 11/64" drill bit
1.4.5. 3/8” Drill Bit or Step Drill Bit
1.4.6. 4mm Allen Wrench/Allen Socket
1.4.7. 5mm Allen Wrench/Allen Socket
1.4.8. 9/16” Wrench
1.4.9. Countersink Bit or Debur Tool

1.5. Side Splitter Kit Components

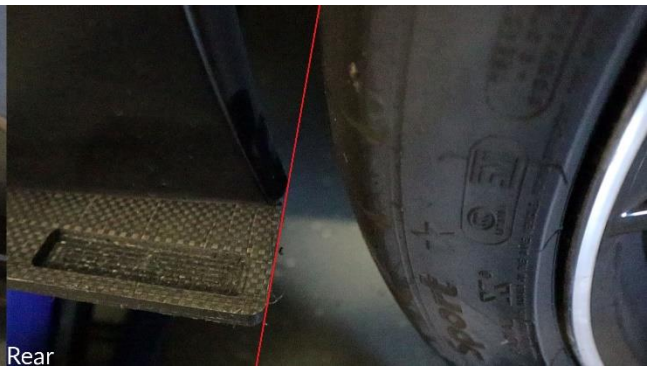
1.5.1. (1) Carbon Polyweave Side Splitter, Driver Side
1.5.2. (1) Carbon Polyweave Side Splitter, Passenger Side
1.5.3. Hardware Bag
1.5.3.1. (9) M6 x 1.0 BHCS (Button Head Cap Screw) x 25mm Long, Stainless
1.5.3.2. (9) M6 x 18mm Fender Washer, Stainless
1.5.3.3. (9) M6 x 1.0 Rivet Nut for Plastic
1.5.3.4. (1) M6 x 1.0 Rivet Nut Install Tool
1.5.3.5. (11) T30 Torx Sheet Metal/Plastic Screw

2. Side Splitter Kit 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 under the car. You can jack up one side at a time, or work on a lift, just be careful in either case and use safe practices.

2.3. With a friend, or by yourself, you will hold the side splitter up to the factory side splitter. Use the below photos for reference when lining up the side splitter for marking the holes. Note how the front terminates at the same location as the factory fender, same with the rear. Laterally the side splitter should follow the inner line of the black portion as shown in the second picture below.



2.4. Once you have the side splitter positioned where you want it, using the side splitter as a template, grab a Sharpie or paint pen to mark the locations for drilling.

2.5. Using a drill and a 11/64" drill bit, drill the holes that were just marked.

2.6. At this point, you need to decide if you want to install the side splitters with the plastic screws or the suggested method of installing rivet nuts into the factory side splitter. We chose to go with the rivet nut method.

2.7. If you opted for the plastic screw method, we suggest using a countersink or debur tool to clean up the holes before installing the plastic screws.

2.8. You can now install the side splitter in the 4 rear most locations by using the plastic screws and a washer on the bottom side of the side splitter as shown below. Do so by using the T35 Torx Bit. Proceed to **(2.18)** for the remainder of the install.

2.9. If you opted for the rivet nut method, open the 4 rearmost holes up to 3/8”. Use either a step drill bit or a 3/8” drill bit. **Note: Do not open up the frontmost hole as this location accepts a sheet metal screw.**

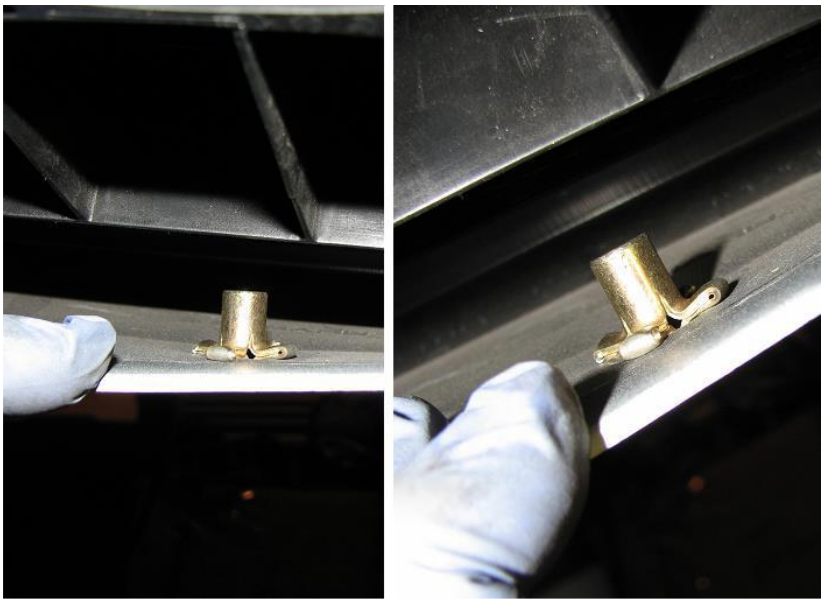
2.10. Once the holes are opened up, utilize a countersink or debur tool to clean up the holes as shown below.

2.11. To properly install the rivet nut, you will want to thread the rivet nut onto the tool as shown below.

2.12. Place the rivet nut inside the hole. Using the 9/16" wrench and the 5mm Allen wrench, hold the nut steady and tighten the Allen bolt. You will have some initial resistance, then the rivet nut will begin to pull tighter on the material. **Note: Using oil or some other form of lubricant can help keep the bolt from gulling.**

2.13. Install the rivet nuts in the 4 rearmost locations.

2.14. Below is a photo of a rivet nut properly installed from the bottom. The second photo is just for reference as the top side cannot be seen during this install but this shows what a fully installed rivet nut looks like



2.15. With the rivet nuts installed, we can now install the side splitters.

2.16. Utilizing the M6x25mm BHCS and fender washers, loosely install the side splitter in the 4 rearmost locations.

2.17. Once all the bolts are finger tight, you can tighten them to 6 ft-lbs.

2.18. To complete the install, we must install a sheet metal screw and washer into the chassis in the frontmost location. Do so by using a T35 Torx Bit.

2.19. Congratulations on installing your new side splitters for the Mk5 Toyota Supra! For more information on performance, please visit our website and take a look at the Ventus packets available.

2.20. Please send any questions, comments, concerns, or photos to Verus Engineering via e-mail; **sales@verus-engineering.com**.