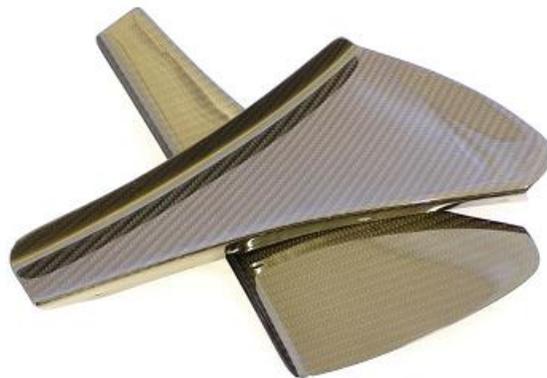


VERUS

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Dive Plane Kit for the Scion FRS

Install Manual



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Dive Plane for Scion FRS – Install Manual

1. Introduction

1.1. Overview: Detailed instructions on installing the dive planes on the Scion FR-S.

1.2. Difficulty: Easy

1.3. Time Required: 1 hour

1.4. Tools Needed:

- 1.4.1. 4mm Allen Wrench
- 1.4.2. 10mm Wrench
- 1.4.3. Electric Drill
- 1.4.4. Center Punch or Sharp Tap
- 1.4.5. 1/8" Drill Bit
- 1.4.6. 1/4" Drill Bit

1.5. Dive Plane Components

- 1.5.1. Left-hand Dive Plane
- 1.5.2. Right-hand Dive Plane
- 1.5.3. Hardware Bag
 - 1.5.3.1. (8) M6 x 1.0 Stainless Button Head Cap Screws (BHCS), 16mm Long
 - 1.5.3.2. (8) M6 Small Diameter Washers, Stainless
 - 1.5.3.3. (8) M6 Large Diameter Washers, Stainless
 - 1.5.3.4. (8) M6 x 1.0 Serrated Nut, Stainless



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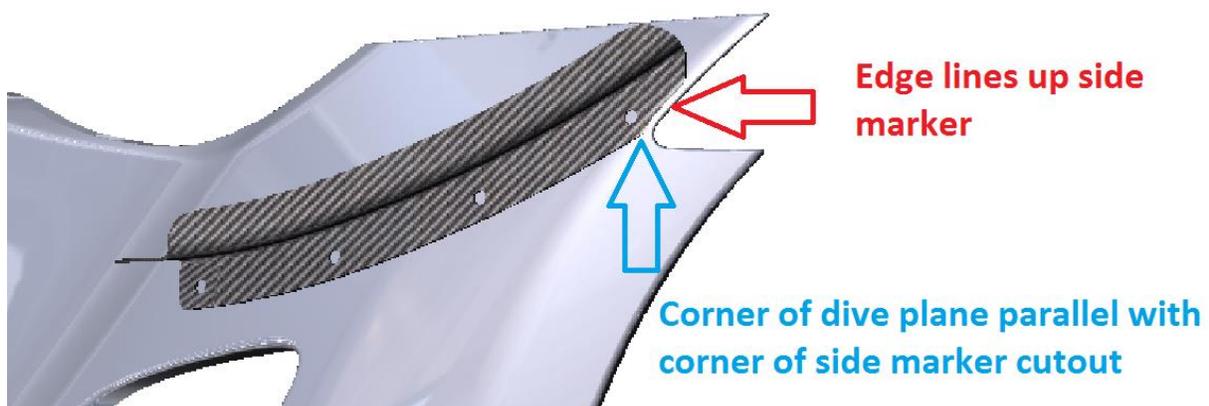
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2. Scion FRS Dive Plane Install

- 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 rear of the front bumper so that we can place the nuts on the back side of the bumper.
- 2.3. Remove the four plastic screw pins. Three are located down low (see below photo), the last one is up by the turn signal on the inside of the fender. This will allow us to gain enough access to the rear of the front bumper to fasten a nut on the bolts.



- 2.4. View the below image to understand where we recommend installing the dive planes. Ultimately, the end location is up to you as the installer, but this is where we found the most benefit on the FRS.



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- 2.5. Using a few pieces of tape or another pair of hands, we will mark the (4) holes of the dive plane for drilling. Use a center punch or a sharp tap.



- 2.6. With a drill and 1/8" drill bit initially, very carefully drill the holes in the bumper. Try not to go through anything behind the bumper.

- 2.7. Increasing the drill size to 1/4", open the holes to 1/4".



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- 2.8. The dive planes are ready to install. The holes in the dive planes are tight on the M6 bolts, if these need opened up, gently use the 1/4" drill bit now.
- 2.9. Using the M6 bolts, and choosing a washer size (you may either use the large or the small diameter washers), begin installing the bolts and dive planes onto the bumper.
- 2.10. Reaching your hand behind the front bumper through the fender liner, you can start threading on the nuts to the bolts.
- 2.11. With the nuts on the rear side of the bumper, you can tighten the bolts on the dive planes. We chose to use the large diameter washers on the dive planes as shown below.



- 2.12. Tighten torque should be no more than 72 to 120 in-lbs. The serrated nuts will resist backing off once they are snug.
- 2.13. Repeat the steps on the other side of the car.
- 2.14. Reinstall everything in reverse order.
- 2.15. Congratulations on installing the Verus Engineering dive planes for the Scion FR-S. Enjoy a slight bump in front end downforce.

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



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