

# VERUS ENGINEERING

## Dive Plane Kit – Toyota GR Corolla Install Manual



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### Document Revisions

Rev	Date	Author	Description
01	2023/09/01	C. Warner	Initial release of install manual

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## Dive Plane Kit for Toyota GR Corolla – Install Manual

### 1. Introduction

**1.1. Overview:** Detailed instructions on installing the Verus Engineering Dive Plane Kit on the Toyota Gr Corolla.

**1.2. Difficulty:** Easy

**1.3. Time Required:** .5 - 1 hour

**1.4. Tools Needed:**

- 1.4.1. Painter's Tape
- 1.4.2. Scissors
- 1.4.3. 50/50 Mix of Isopropyl Alcohol and Water
- 1.4.4. Microfiber Towel



### 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. (1) Double Sided Tape - Left
  - 1.5.3.2. (1) Double Sided Tape - Right
  - 1.5.3.3. (1) Paper Template - Left
  - 1.5.3.4. (1) Paper Template - Right



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**2. Toyota GR Corolla Dive Plane 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. To start, it is **\*highly\*** recommended to follow 3M's VHB install instructions, which are listed in these steps below. The ambient temperature should be over 50 degrees F. 50% of the ultimate bond strength will be achieved after 20 minutes, 90% after 24 hours, and 100% after 72 hours.
- 2.3. It is wise to have the car fairly clean for this install, or at least the front bumper. Starting with a clean car reduces the risk of scratches and aids in tape bond strength.
- 2.4. We begin by preparing the front bumper for the VHB tape. Use a 50 / 50 mix of Isopropyl alcohol and water along with a clean microfiber towel to wipe the area down.

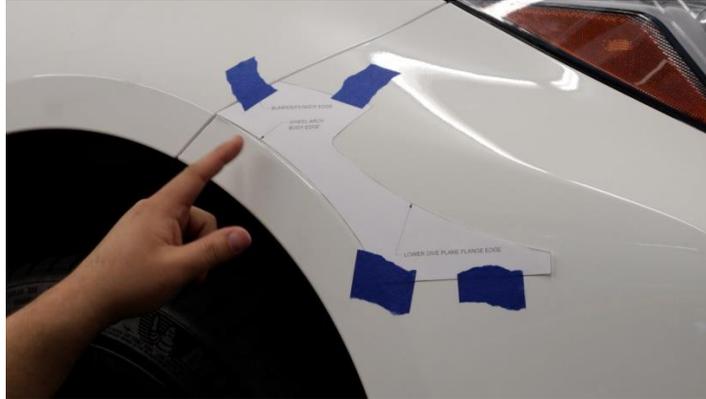


- 2.5. Locate the appropriate template for the side you want to install first. Cut the template out and tape it to the bumper following the guidelines on the template.



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- 2.6. Prepare the dive plane mounting surfaces for the VHB tape by using the same 50 / 50 Isopropyl alcohol / water solution, and a clean microfiber towel to clean them thoroughly.



- 2.7. Peel the white backing off and, apply the correct pre-cut VHB tape pieces to the dive planes. Have the red backing facing away from the dive plane.



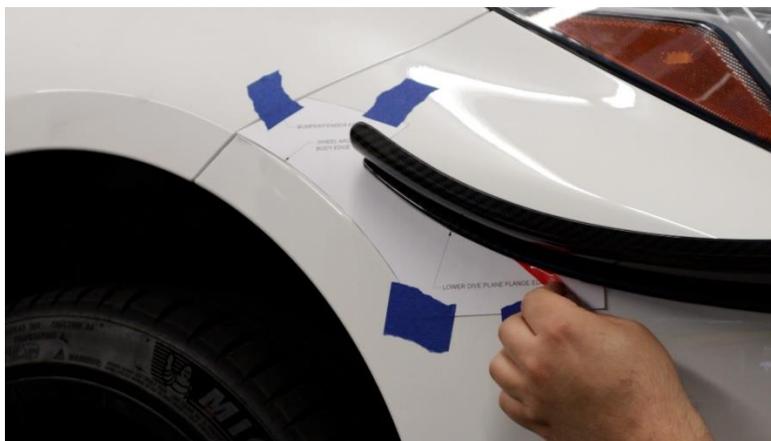
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- 2.8.** Peel a small section of the red backing so that you can just slightly stick the dive plane to the bumper while still being able to readjust the dive plane if needed.



- 2.9.** Once you are happy that the placement of the dive plane, begin pulling the red backing off while holding the dive plane in place.



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- 2.10. Once all the red backing has been removed, massage the dive plane into the bumper by pressing firmly in multiple different locations.



- 2.11. Again, as stated at the beginning of this installation manual, it is **\*highly\*** recommended to follow 3M's VHB install instructions, which are listed in these steps below. The ambient temperature should be over 50 degrees F. 50% of the ultimate bond strength will be achieved after 20 minutes, 90% after 24 hours, and 100% after 72 hours.
- 2.12. Repeat the same process outlined above for the opposite side of the vehicle.
- 2.13. Congratulations on installing the Verus Engineering Dive Plane Kit for the Toyota GR Corolla. Enjoy the benefits the dive planes have on front end downforce.
- 2.14. Please send any questions, comments, concerns, or photos to Verus Engineering via e-mail; [sales@verus-engineering.com](mailto:sales@verus-engineering.com).

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