

VERUS ENGINEERING

Dual Dive Plane Kit for A90 Toyota Supra Install Manual



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Dive Plane Kit for A90 Toyota Supra – Install Manual

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1. Introduction

1.1. Overview: Detailed instructions on installing the Verus Engineering dual dive planes on the A90 MKV Toyota Supra.

1.2. Difficulty: Easy

1.3. Time Required: 1-1.5 hour

1.4. Tools Needed:

1.4.1. Tape

1.4.2. Scissors

1.4.3. Rubbing Alcohol

1.4.4. Microfiber Towel



1.5. Dive Plane Components

1.5.1. Left-hand Lower Dive Plane

1.5.2. Left-hand Upper Dive Plane

1.5.3. Right-hand Lower Dive Plane

1.5.4. Right-hand Upper Dive Plane

1.5.5. Hardware Bag

1.5.5.1. (4) Double Sided Tape

1.5.5.2. (1) Install Template

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2. Toyota Supra Dual Dive Plane Install

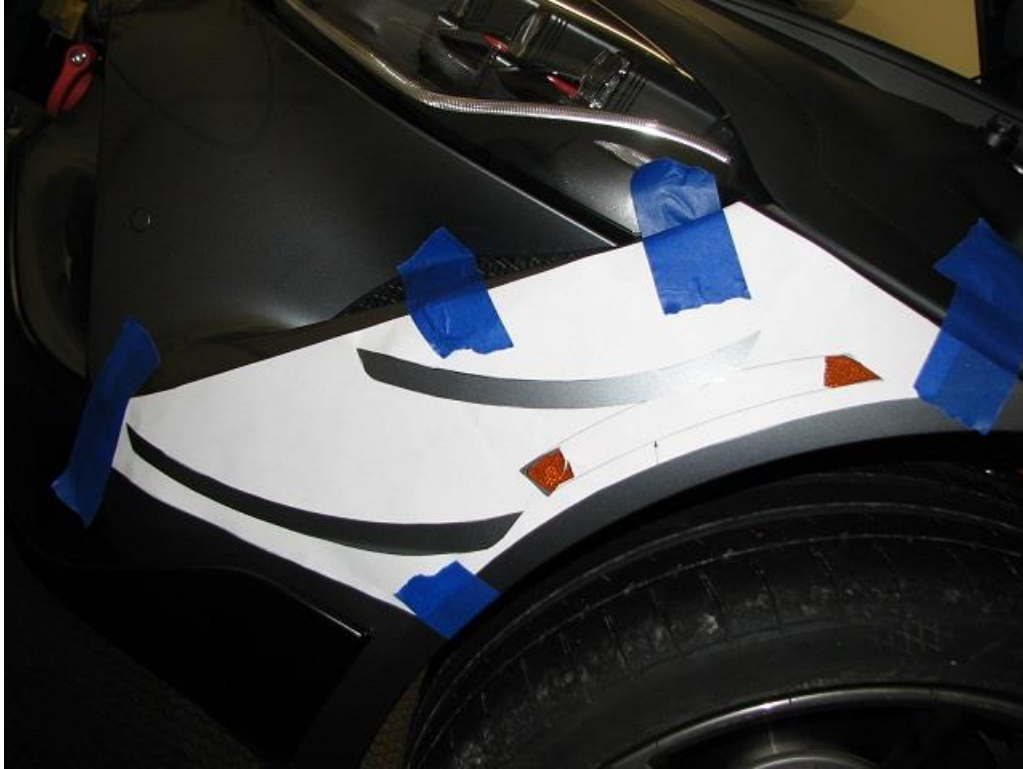
- 2.1. Verus Engineering is not responsible for damage to you or your vehicle by following this manual and/or installing Verus Engineering products.
- 2.2. It is wise to have the car fairly clean for this install, or at least the front bumper. Due to the template and double-sided tape, starting with a clean car reduces the risk of scratches and improves install ease.
- 2.3. We begin by cutting out the templates for the dive plane install. See below on how we cut the templates out.



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- 2.4. Place the template on the bumper as shown below. Note how it lines up properly with the side market and bumper lines. Take care during install of this template, as it is easy to get this slightly off.

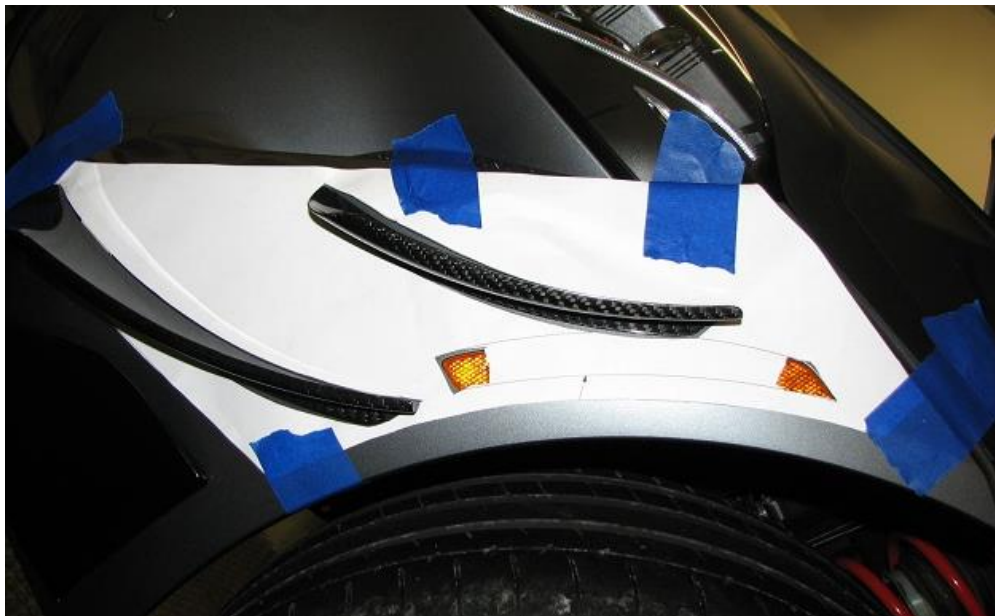


- 2.5. Do this to the other side of the vehicle as well.
- 2.6. For the install, the larger units are the bottom dive plane, while the smaller units are the upper dive planes.
- 2.7. We begin by installing the double-sided tape on the dive planes.
- 2.8. It is ***highly*** recommended to follow 3M's 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.
- 2.9. Thoroughly clean the dive plane mounting flange with a 50/50 solution of alcohol/water.
- 2.10. Install the doubled sided tape on the dive plane by removing the white side of the double sided tape.

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- 2.11. Utilize a 50/50 alcohol/water mixture with a microfiber towel and thoroughly clean the area the dive plane will be installed. This allows a clean surface for the tape to adhere to. If you do not feel comfortable using this mixture on the car's paint, then do not; however, this is the recommended solution to use prior to install from 3M.
- 2.12. Check fitment of the dive planes to the bumper before install. The dive planes should fit the bumper perfectly. **If they do not, ensure the template is installed correctly and adjust as necessary.**
- 2.13. Peel the red protective film off the tape, and install the dive plane. Work the dive plane into the bumper. Ensure the dive plane is messaged well into the bumper for maximum adhesion.



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- 2.14.** Allow the dive plane to stay on car for a minimum of 24 hours, 72 for the best possible adhesion. See step 2.8 for further clarification on bond strength.
- 2.15.** Congratulations on installing the Verus Engineering dive planes for the Porsche 981 GT4. Enjoy the benefits the dive planes have on front end downforce, sealing the sides of the Porsche, and increasing pressure at the air intake scoops.
- 2.16.** Please send any questions, comments, concerns, or photos to Verus Engineering via e-mail; sales@verus-engineering.com.



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