

# VERUS ENGINEERING

## Dive Plane Kit for Hyundai Veloster N Install Manual

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Approvals: E. Hazen

### Document Revisions

Rev	Date	Author	Description
01	2022/03/18	E. Hazen	Initial release of install manual

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## Dive Plane Kit for Hyundai Veloster N – Install Manual

**1. Introduction**

**1.1. Overview:** Detailed instructions on installing the Verus Engineering dive planes on the Hyundai Veloster N.

**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 Dive Plane
- 1.5.2. Right-hand Dive Plane
- 1.5.3. Hardware Bag
  - 1.5.3.1. (2) Double Sided Tape
  - 1.5.3.2. (2) Install Template

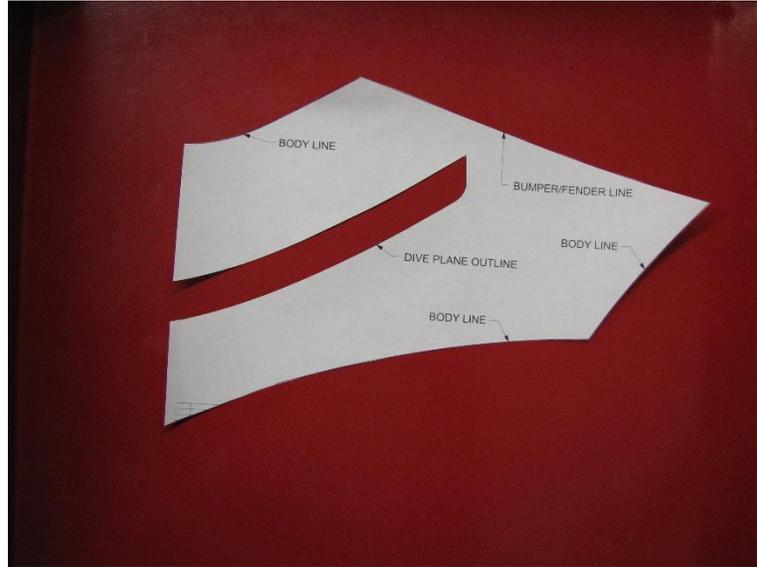
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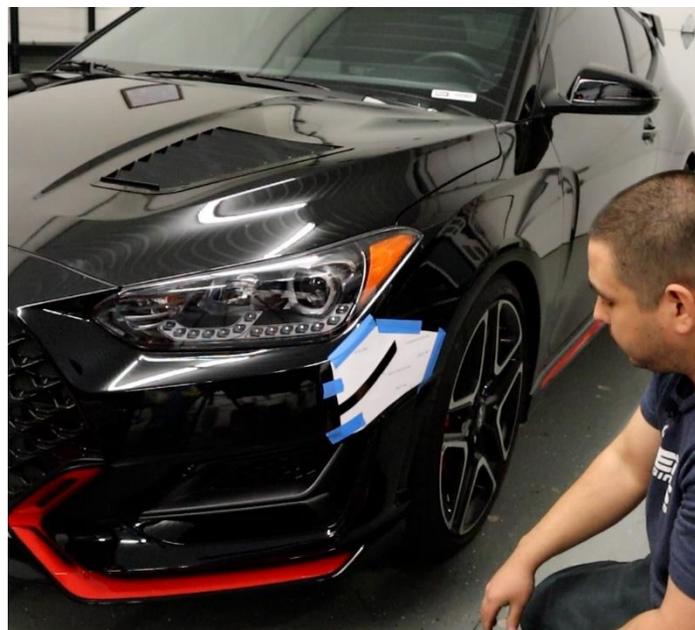
## 2. Hyundai Veloster N Dive Plane Install

- 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. We use this template to locate the dive planes on the front bumper in the correct location.

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- 2.4. Temporarily hold the template up to the bumper to give you an idea of the working area. Prep that area with a 50/50 mix of isopropyl alcohol and water.
- 2.5. Place the template on the bumper. The template should line up with where the bumper meets the fender, and the wheel arch body line. If these two sections are aligned correctly, the template will also sit right on the body line below the headlight.
  - 2.5.1. Once the template is confirmed to be in the right spot, tape it securely to the bumper as shown below.



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- 2.6. Do this to the other side of the vehicle as well.
- 2.7. Double check correct fitment by holding the dive plane up to the bumper and ensuring no gap between the bumper and the dive planes.
- 2.8. We begin by installing the double-sided tape on the dive planes.
- 2.9. 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.
- 2.10. Thoroughly clean the dive plane mounting flange with a 50/50 solution of alcohol/water.
- 2.11. Install the doubled sided tape on the dive plane by removing the white side of the double-sided tape.



- 2.12. **Utilize a 50/50 alcohol/water mixture with a microfiber towel and thoroughly clean the area the dive plane will be installed again.** This allows a clean surface for the tape to adhere to.
- 2.13. Check fitment of the dive planes to the bumper one more time before final install. The dive planes should fit the bumper perfectly. **If they do not, ensure the template is installed correctly and adjust as necessary.**
- 2.14. Peel the red protective film off the tape, and install the dive plane into the cut-out portion of the template labeled "Dive Plane Outline". Work the dive plane into the bumper. Ensure the dive plane is massaged well into the bumper for maximum adhesion.
- 2.15. Allow the dive plane to stay on car for a minimum of 24 hours, 72 for the best possible adhesion. See step 2.9 for further clarification on bond strength.
- 2.16. Congratulations on installing the Verus Engineering dive plane kit for the Hyundai Veloster N! Enjoy the benefits the dive planes have on front end downforce.
- 2.17. 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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