

# **VERUS**

## **ENGINEERING**

### Rear Diffuser Kit – 10<sup>th</sup> Gen Honda Civic Type R

---

#### Install Manual



Author: Eric Hazen  
Release Date: 2019/09/13  
Approvals: E. Hazen, C. Warner

#### Document Revisions

Rev	Date	Author	Description
01	2019/09/13	E. Hazen	Initial release of install manual

Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.

---

Rear Diffuser Kit, Honda Civic Type R – Install Manual

# CONTENTS

1. Introduction .....	<3>
1.1. Overview .....	<3>
1.2. Difficult .....	<3>
1.3. Time Required .....	<3>
1.4. Tools Needed .....	<3>
1.5. Rear Diffuser Kit Components .....	<3-4>
2. Rear Diffuser Kit Install.....	<4-9>

---

## Rear Diffuser Kit, Honda Civic Type R – Install Manual

### 1. Introduction

**1.1. Overview:** Detailed instructions on installing the Verus Engineering Rear Diffuser Kit for the Honda Civic Type R.

**1.2. Difficulty:** Easy

**1.3. Time Required:** 1-1.5 hour

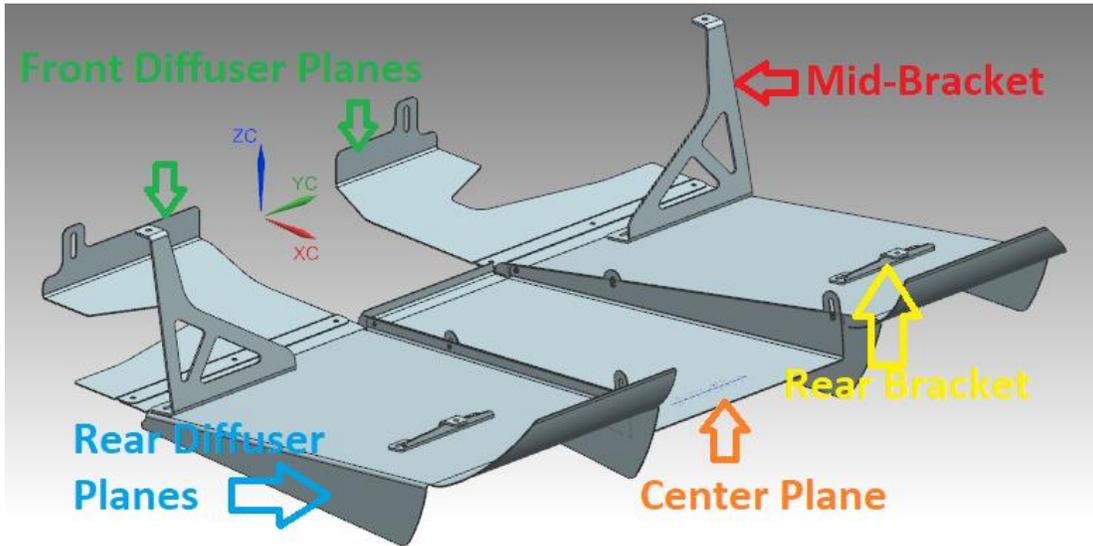
**1.4. Tools Needed:**

- 1.4.1. 12mm Socket
- 1.4.2. Ratchet
- 1.4.3. Extension
- 1.4.4. Screw Driver
- 1.4.5. 4mm Allen Wrench
- 1.4.6. 10mm Wrench

**1.5. Rear Diffuser Components**

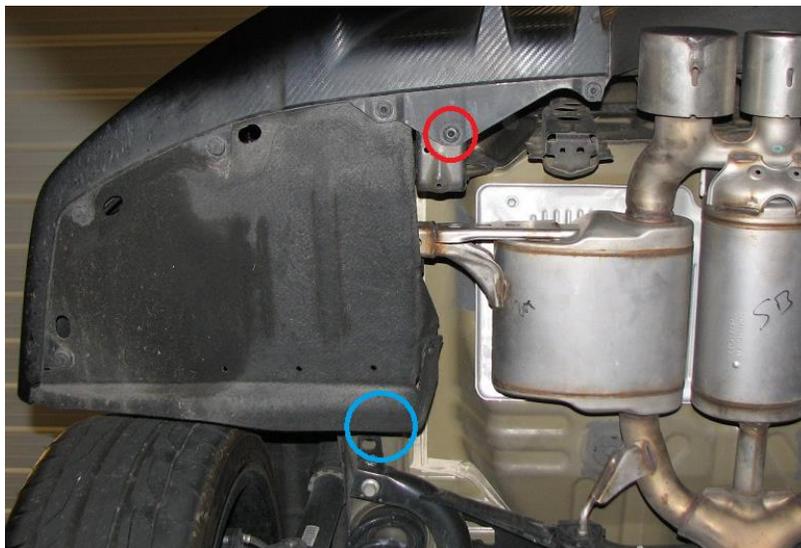
- 1.5.1. Left Diffuser Front Plane
- 1.5.2. Right Diffuser Front Plane
- 1.5.3. Left Diffuser Rear Plane
- 1.5.4. Right Diffuser Rear Plane
- 1.5.5. Center Rear Diffuser Plane
- 1.5.6. (2) Center Diffuser Bracket
- 1.5.7. (2) Rear Diffuser Bracket
- 1.5.8. Hardware Bag
  - 1.5.8.1. (24) M6 x 1.0 BHCS (Button Head Cap Screw) x 16mm Long, Stainless
  - 1.5.8.2. (26) M6 x 18mm OD Washer, Stainless
  - 1.5.8.3. (24) M6 x 1.0 Serrated Nut, Stainless
  - 1.5.8.4. (2) M6 x 1.0 BHCS x 20mm Long, Stainless
  - 1.5.8.5. (2) M6 x 25mm OD Washer, Stainless
  - 1.5.8.6. (8) M6 x 1.0 BHCS x 45mm Long, Stainless
  - 1.5.8.7. (8) M6 Nylon Spacer, 5mm Long
  - 1.5.8.8. (8) M6 Nylon Spacer, 10mm Long
  - 1.5.8.9. (8) M6 Nylon Spacer, 15mm Long

## Rear Diffuser Kit, Honda Civic Type R – Install Manual



## 2. Rear Diffuser Kit

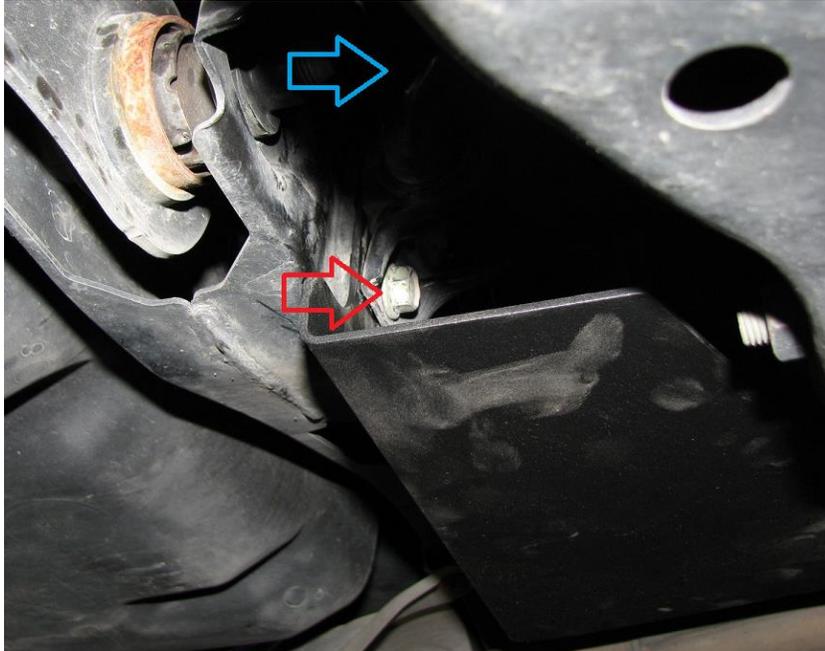
- 2.1. Verus Engineering is not responsible for damage to you or your vehicle by following this manual and/or installing Verus Engineering products.
- 2.2. We begin by either jacking the vehicle up or lifting it up on the lift. We utilized a lift for this specific install but jacking the rear up would be perfectly acceptable.
- 2.3. First, we will get a base view of what we are dealing with. The front diffuser planes will go to the rear sway bar points. The middle bracket will go where the blue circle is located. The rear bracket will go where the red circle is located.



Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.

## Rear Diffuser Kit, Honda Civic Type R – Install Manual

- 2.4. Install the front planes as shown below. There is a left hand and a right hand. We install this by fully removing the bottom bolt (red arrow) and loosening the top bolt (blue arrow) and sliding the bracket in from the bottom.



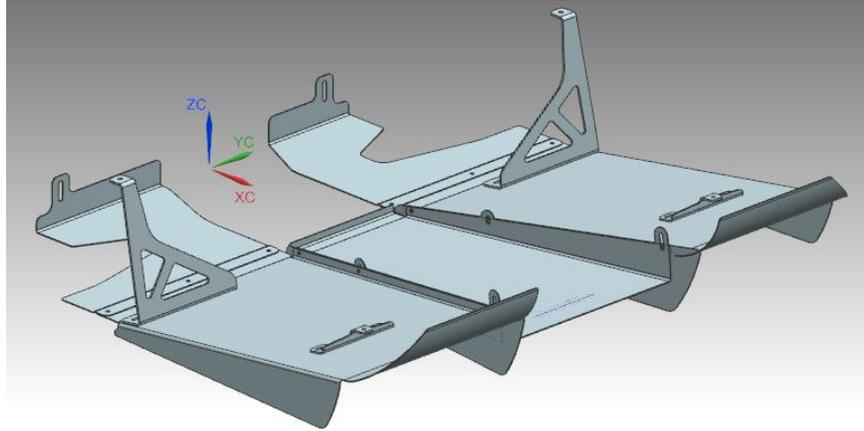
- 2.5. Install the mid-bracket as shown below. There is a left hand and a right hand. Grab the M6x1.0 BHCS x 20mm Long bolt and the 25mm OD washer; and install the bracket with this hardware.



Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.

## Rear Diffuser Kit, Honda Civic Type R – Install Manual

- 2.6. We now install the rear bracket as shown below. Utilize the M6x1.0 BHCS x 16mm Long bolts and 18m OD washer, with a serrated nut on the top of the OE metal bracket.



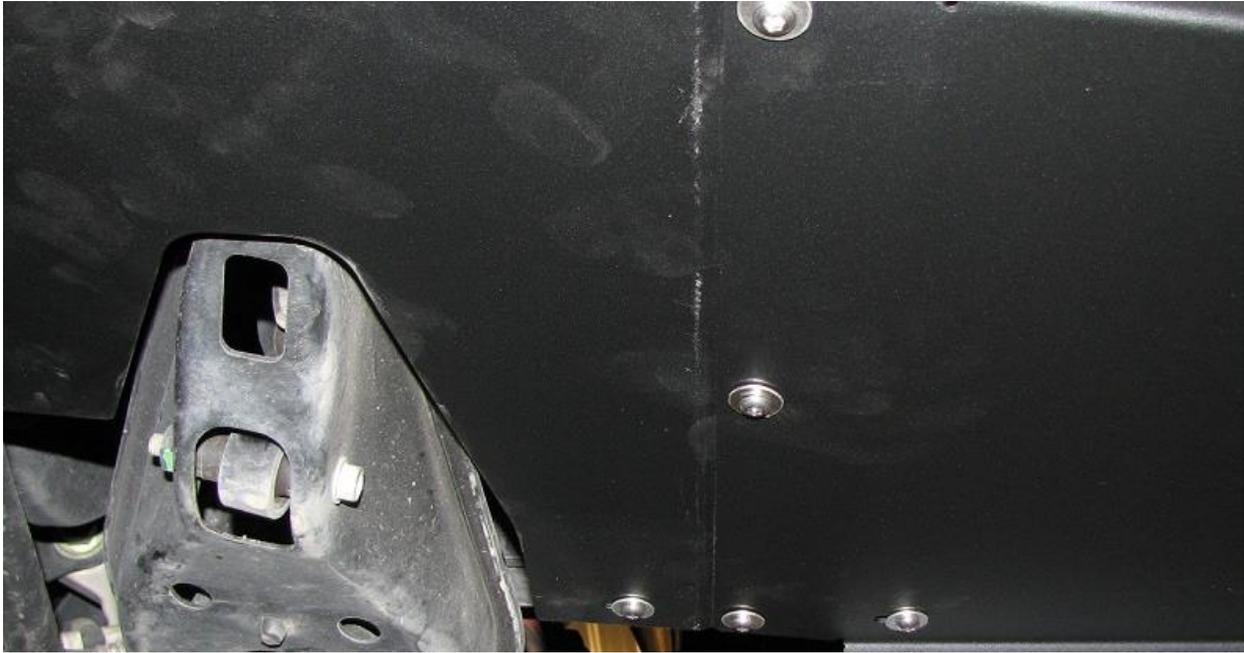
- 2.7. With the (4) brackets installed and the (2) front planes installed, we can now assemble the rear diffuser section and get it ready to install
- 2.8. Utilize multiple M6x1.0 BHCS x 16mm Long bolts with the 18mm OD Stainless washer on the inside plane, with a serrated nut on the outside plane. Place a strake in-between the center plane and the outside planes. **The center plane of the rear diffuser can be installed at various angles to fit a variety of exhausts. Ultimately, the center plane of the rear diffuser can be left off if the exhaust hangs downs significantly.**



Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.

## Rear Diffuser Kit, Honda Civic Type R – Install Manual

- 2.9.** Once the rear diffuser is assembled, you can torque the bolts to ~6 ft-lbs. The rear diffuser can also be installed downward up to 25mm with various splitters; but we suggest installing it as high as possible.
- 2.10.** From the front plane to the rear planes, we utilize M6 x 1.0 BHCS x 16mm Long bolts, with washers on the bottom side; and a serrated nut on top.



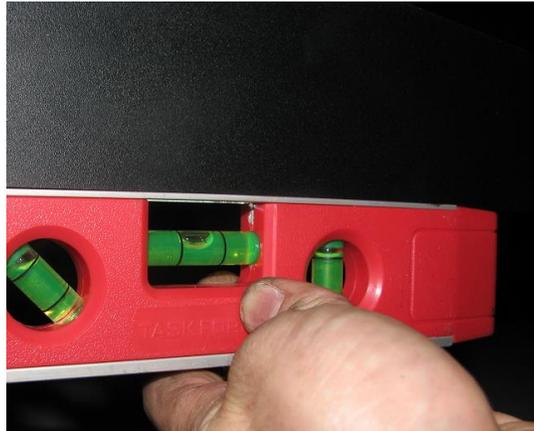
- 2.11.** For the bolts from the bracket to the rear diffuser; you can use either 16mm long bolts or 45mm long bolts. Utilize the long bolts if you have to use spacers to space the diffuser down; otherwise utilize the small bolts.
- 2.12.** Ensure the planes of the rear diffuser are flat laterally (left to right) to the best of your ability.



Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.

## Rear Diffuser Kit, Honda Civic Type R – Install Manual

- 2.13.** Place the level on the bottom side of one of the strakes. Ensure that the strake is level with the bottom of the vehicle. If the vehicle has slight rake, the rear diffuser should as well. If the vehicle has no rake, the strake should be flat as well when on the ground.



- 2.14.** With all the bolts, washers, spacers, and nuts installed; we can fully tighten the bolts.
- 2.15.** Tighten the M6 bolts to 6-8 ft-lbs.
- 2.16.** Tighten the sway bar bolts to approximately 18 ft-lbs.
- 2.17.** Congratulations on installing our 10<sup>th</sup> Gen Civic Type R rear diffuser kit. Please send any questions, comments, concerns, or photos to Verus Engineering via e-mail; [sales@verus-engineering.com](mailto:sales@verus-engineering.com).



Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.

Rear Diffuser Kit, Honda Civic Type R – Install Manual



Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.