



# VERUS ENGINEERING

## Rear Diffuser Strake Kit - Ford Shelby GT350/GT350R Install Manual



Author: Eric Hazen  
Release Date: 2021/02/20  
Approvals: E. Hazen, C. Warner

### Document Revisions

Rev	Date	Author	Description
01	2021/02/20	E. Hazen	Initial release of install manual

## Rear Diffuser Strake Kit - Ford GT350/GT350R – 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. Diffuser Strake Components.....	<3-4>
2. Diffuser Strake Install .....	<4-9>

## Rear Diffuser Strake Kit - Ford GT350/GT350R – Install Manual

### 1. Introduction

**1.1. Overview:** Detailed instructions on installing the Verus Engineering diffuser strake kit on the Ford Shelby GT350/GT350R.

**1.2. Difficulty:** Easy

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

**1.4. Tools Needed:**

- 1.4.1. Drill
- 1.4.2. Drill Bits (1/4" needed)
- 1.4.3. Stepper Drill Bit
- 1.4.4. Countersink or Debur tool
- 1.4.5. Paint pen or sharpie
- 1.4.6. 4mm Allen Wrench
- 1.4.7. 10mm Socket
- 1.4.8. Flat head screwdriver
- 1.4.9. Ratchet or Impact



**1.5. Rear Diffuser Strake Components**

- 1.5.1. Left-hand Outside Strake
- 1.5.2. Left-hand Inside Strake
- 1.5.3. Right-hand Outside Strake
- 1.5.4. Right-hand Inside Strake
- 1.5.5. Hardware Bag
  - 1.5.5.1. (18) M6 x 1.0 BHCS (Button Head Cap Screw) x 16mm Long, Stainless
  - 1.5.5.2. (18) M6 x 1.0 Nyloc Nut, Stainless
  - 1.5.5.3. (36) M6 x 18mm OD Washer, Stainless

## Rear Diffuser Strake Kit - Ford GT350/GT350R – Install Manual

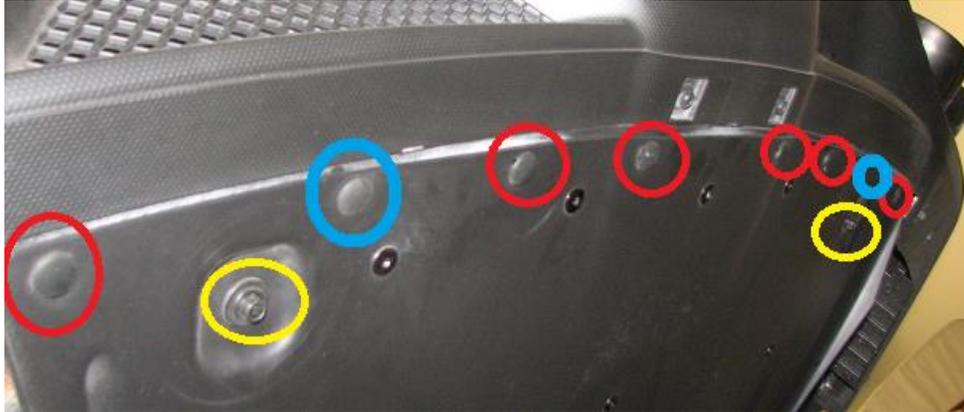
**2. Ford GT350/GT350R Diffuser Strake Install**

- 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 will need to remove the factory rear diffuser from the vehicle, so you may need to get the vehicle in the air via jack and jack stands or a lift. Use best practices when working under a vehicle and ensure you are being safe.
- 2.3. With the car in the air, you can see the rear diffuser which comes off the car fairly easily.

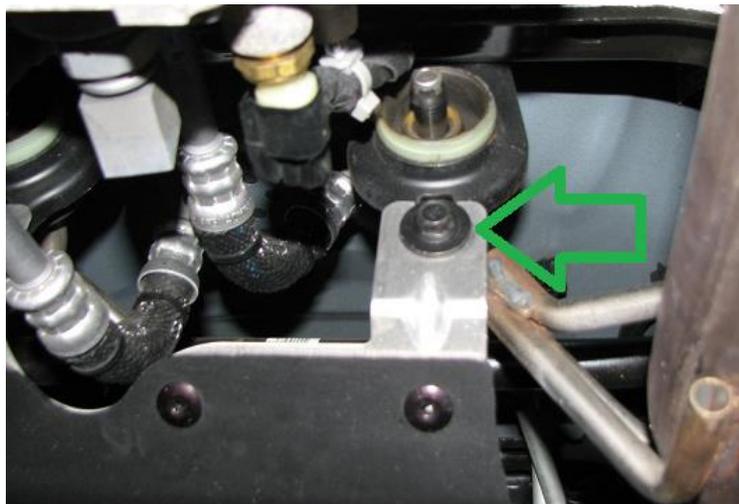


- 2.4. We begin by removing the push clip rivets in the rear (red circles) and the (2) 10mm bolts (yellow circles). The (2) push in clips that are circled in blue will stay for now.

## Rear Diffuser Strake Kit - Ford GT350/GT350R – Install Manual

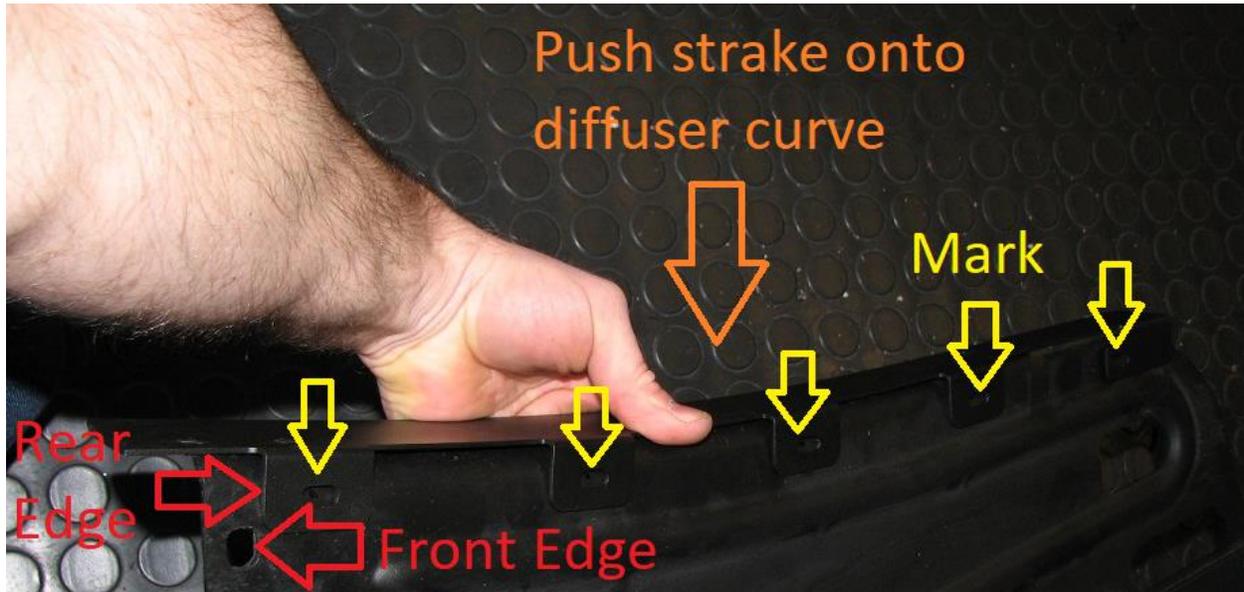


- 2.5. Moving to the front of the diffuser, we can remove the two 10mm bolts that hold the front on and let the diffuser rest on the hook clips.

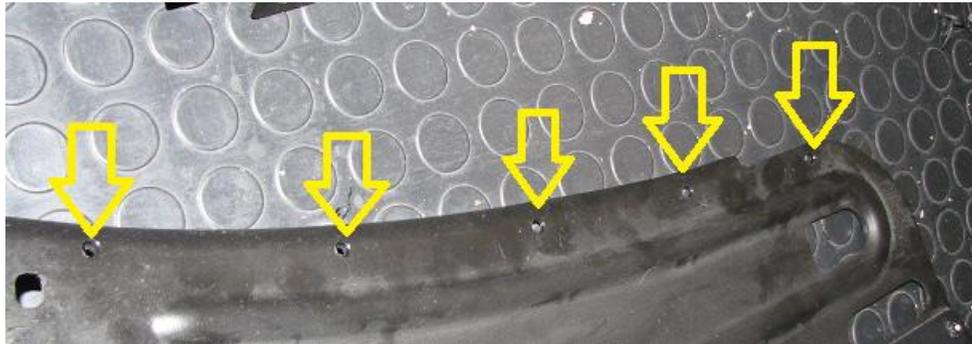


- 2.6. You can now remove the diffuser from the car by pulling down on the rear of the diffuser, dislodging the push clips, and removing the front bracket from the hooks.
- 2.7. With the diffuser on the ground, we can work on installing the outer strakes.
- 2.8. We begin by marking the (5) holes we have to drill. To do this, use the outer strake as a template. Align the rear of the strake to the cut out as shown by the red arrows in the below photo. Push the strake into the diffuser curve for accurate marking.

## Rear Diffuser Strake Kit - Ford GT350/GT350R – Install Manual



- 2.9. Using the locations we marked in the previous steps, we can drill the (5) holes needed to install the strake. We used a stepper bit, but ultimately the hole size we need is  $\frac{1}{4}$ ".



- 2.10. Flipping the diffuser over, we can debur these holes with a debur tool of your choice.



- 2.11. Using the supplied button heads, washers, and nylocs, we can install the outside strake. Insert the button head, without a washer, on the bottom side of the diffuser as shown below.

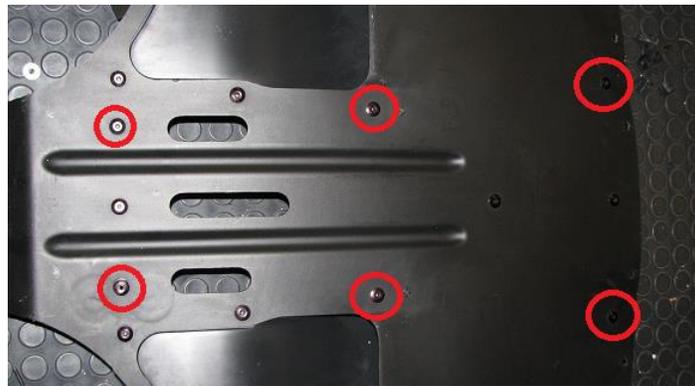
## Rear Diffuser Strake Kit - Ford GT350/GT350R – Install Manual



- 2.12. With the correct outer strake, washers and nylocs, we can install the strake as shown below. When fully tightening, ensure that the strake's rear tab lines up with the cutout as shown in step 2.8. Tightening torque should be 6 ft-lbs.



- 2.13. The outer strakes are now installed, so we can move to installing the inner units.
- 2.14. We need to drill and remove (6) rivets total to install the inner strakes. These are marked below.



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

## Rear Diffuser Strake Kit - Ford GT350/GT350R – Install Manual

- 2.15.** To remove the rivets, we need to drill the head off the rivet. You can use the stepper drill bit again or the 1/4" drill bit. Try not to let the rivet spin.



- 2.16.** Using the BHCS, washers, and nylocs, we can install the inner strakes. Note that there is a left and right hand side. The front two tabs face outward, while the rear two tabs face inward as shown below. We use a washer on both sides for these strakes.



- 2.17.** Reinstall the factory diffuser in reverse order. Tighten the 10mm bolts to 6-8 ft-lbs.
- 2.18.** Congratulations on installing the Verus Engineering diffuser strakes for the Ford GT350/GT350R. Enjoy the benefits the increase in rear downforce for the GT350/GT350R, and increasing aesthetic appeal.
- 2.19.** Please send any questions, comments, concerns, or photos to Verus Engineering via e-mail; [sales@verus-engineering.com](mailto:sales@verus-engineering.com).

Rear Diffuser Strake Kit - Ford GT350/GT350R – Install Manual



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