

# **VERUS**

## **ENGINEERING**

### Front Splitter Kit – 987.2 Cayman

---

#### Install Manual



Author: Eric Hazen

Release Date: 2019/01/07

Approvals: E. Hazen, P. Lucas

#### Document Revisions

Rev	Date	Author	Description
01	2019/01/07	E. Hazen	Initial release of install manual

---

Front Splitter Kit, 987.2 Cayman – 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. Front Splitter Components .....	<3-4>
2. Front Splitter Install .....	<4-24>

---

## Front Splitter Kit, 987.2 Cayman – Install Manual

### 1. Introduction

**1.1. Overview:** Detailed instructions on installing the Verus Engineering front splitter and air dam assembly for the 987.2 Porsche Cayman.

**1.2. Difficulty:** Moderate

**1.3. Time Required:** 2.5 – 4 hour

**1.4. Tools Needed:**

- 1.4.1. Drill
- 1.4.2. 3/8 Drill Bit
- 1.4.3. 9/16 Wrench
- 1.4.4. 4mm Allen Wrench/Socket
- 1.4.5. 5mm Allen Wrench/Socket
- 1.4.6. Assorted Torx Set
- 1.4.7. Razor blade
- 1.4.8. 7mm deep socket
- 1.4.9. Needle Nose

**1.5. Front Splitter/Air Dam Components**

1.5.1. Front Splitter, Carbon Composite

1.5.2. Front Air Dam, Carbon Fiber

1.5.3. Hardware Bag

- 1.5.3.1. (6) M6x1.0 Rivet Nut, Plastic Use
- 1.5.3.2. (1) M6x1.0 Rivet Nut Install Tool
- 1.5.3.3. (2) M6x1.0 Socket Head Cap Screw (SHCS), 35mm Long, Steel
- 1.5.3.4. (4) M6 Spacer, 10mm Long, Nylon
- 1.5.3.5. (8) M6 Spacer, 15mm Long, Nylon
- 1.5.3.6. (4) M6 Push Nut
- 1.5.3.7. (16) M6x1.0 Button Head Cap Screw (BHCS), 20mm Long, Stainless
- 1.5.3.8. (15) M6 x 18mm Fender Washer, Stainless
- 1.5.3.9. (2) M6x1.0 Serrated Flange Nut, Stainless
- 1.5.3.10. (6) M6 x 38mm Large Dia. Washer, Stainless
- 1.5.3.11. (3) #10 x 1.00 Large Dia. Washer, Stainless
- 1.5.3.12. (2) M6x1.0 BHCS, 70mm Long, Stainless
- 1.5.3.13. (2) M6x1.0 BHCS, 80mm Long, Stainless
- 1.5.3.14. (2) #10x1.00 Torx Head Cap Screw, Stainless
- 1.5.3.15. (1) #10x2.00 Torx Head Cap Screw, Stainless

---

## Front Splitter Kit, 987.2 Cayman – Install Manual



### 2. 987.2 Cayman Front Splitter

- 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 some of the install and did the other portion of the install on the ground. Lifting up the front of the vehicle and utilizing jack stands is recommended if you do not have access to a lift.



- 2.3. We start by removing the OEM splitter add-ons. These are removed by plastic push pins on the bottom of the bumper. This is then removed by pulling away from the bumper as it clips in on the top side.

## Front Splitter Kit, 987.2 Cayman – Install Manual



2.4. The pieces removed are pictured below.



2.5. Of the (3) push pin locations, we will be using the (2) inner ones on each side. One of these holes is shown below.

## Front Splitter Kit, 987.2 Cayman – Install Manual



**2.6.** We want to open these holes to 3/8" with a drill and drill bit.



**2.7.** We will now install (4) of the (6) rivet nuts; in the (4) holes we just drilled to 3/8". We will need to grab the install tool and setup the rivet nut for install as shown below.

## Front Splitter Kit, 987.2 Cayman – Install Manual

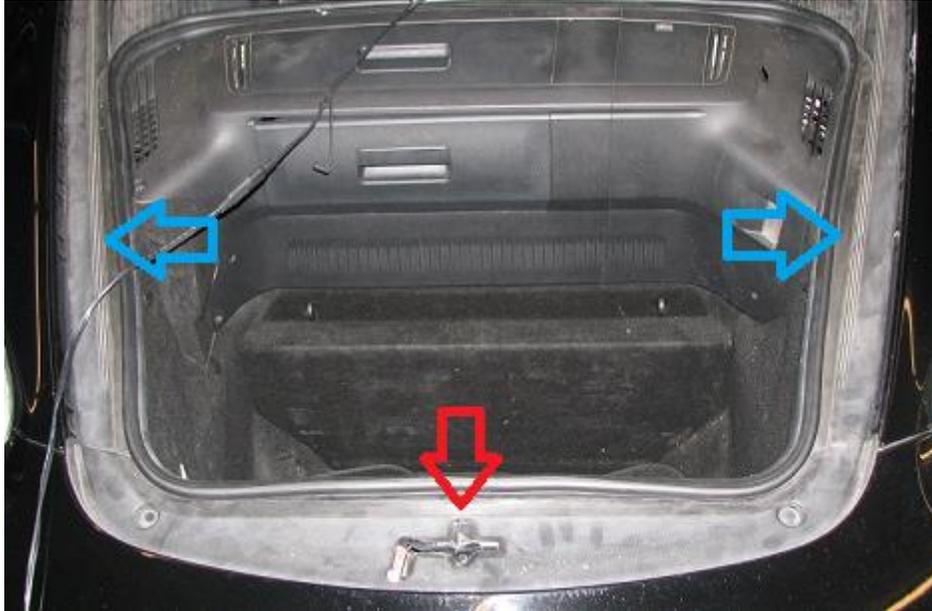


- 2.8.** Place the rivet nut into the hole.
- 2.9.** Using the 9/16" wrench and the 5mm allen wrench, hold the nut steady and tighten the allen bolt. You will have some initial resistance, than the rivet nut will begin to pull tighter on the material.
- 2.10.** When resistance is felt again; the rivet nut is likely fully installed. Loosen the allen bolt and remove the install tool. Re-use the tool for the remaining rivet nuts.



- 2.11.** With this portion of the install done; we can now remove the front bumper from the car entirely to finalize the install of the air dam.
- 2.12.** To begin, we need to pop the hood and remove the plastic around the front bumper. We removed the two side pieces (blue arrows) to get to the front bumper piece. These remove by pulling upward, Velcro keeps these pieces attached.

## Front Splitter Kit, 987.2 Cayman – Install Manual



**2.13.** Remove the (3) bolts shown below.



**2.14.** We will also remove the headlight to allow the front bumper to be removed. You will need to access your factory tool kit. This is in the frunk, on the bottom rear section as shown below.



**2.15.** Remove the rubber plug.

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

## Front Splitter Kit, 987.2 Cayman – Install Manual



**2.16.** Utilizing the OEM tool, the handle will be pointed towards the passenger compartment.



**2.17.** Rotate the handle down and towards the front of the car. This will push the headlight forward.



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

## Front Splitter Kit, 987.2 Cayman – Install Manual

- 2.18.** Rotate the handle back downward and the headlight should come out!



- 2.19.** With needle nose pliers, remove the metal pins that hold the top of the bumper to the chassis. There is one per side.



- 2.20.** This is what the bumper attaches to via the metal clip when the bumper is removed.



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

## Front Splitter Kit, 987.2 Cayman – Install Manual

- 2.21. Remove the two torx bolts in the fender liner shown below.



- 2.22. Moving slightly upward in the fender; we remove the following torx bolt.

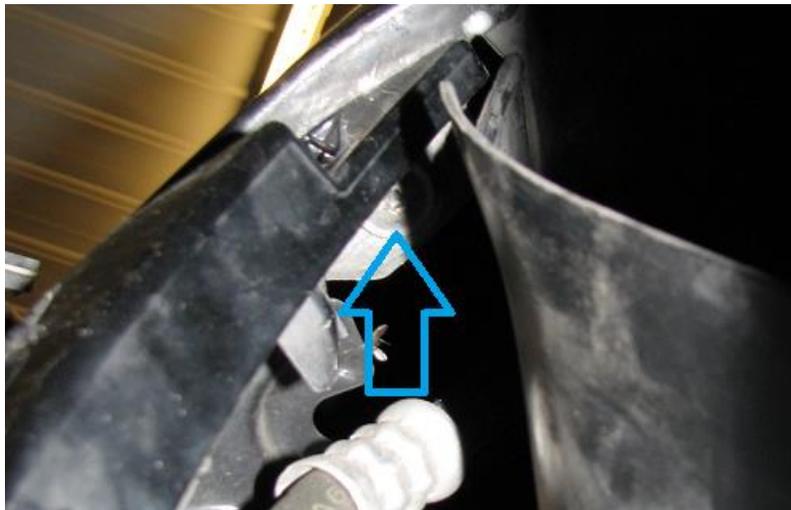


- 2.23. We can now remove the side marker. The side marker is held in place with an A clip in the rear. Pull outward and the side marker should come out.

## Front Splitter Kit, 987.2 Cayman – Install Manual



- 2.24.** Remove the torx bolt that comes in from the bottom; between the bumper and the fender.



- 2.25.** The final seven bolts on the bottom of the bumper needs removed and the bumper can slide forward.



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

Front Splitter Kit, 987.2 Cayman – Install Manual



2.26. The front bumper slides straight forward.



## Front Splitter Kit, 987.2 Cayman – Install Manual



- 2.27. We will need to remove a few harness clips and light clips and then the bumper will be fully free.



- 2.28. The bumper is now off the vehicle. Place it on cardboard or blankets.

## Front Splitter Kit, 987.2 Cayman – Install Manual



**2.29.** \*This is a really good time to install the dive planes if you are installing our dive planes as well.\*

**2.30.** Temporarily install the air dam by placing it within the OEM bumper slot.



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

## Front Splitter Kit, 987.2 Cayman – Install Manual

- 2.31.** We can now mark the two holes to be drilled (shown above with yellow arrows). Mark these holes with a center punch.



- 2.32.** Drill these out to 3/8" and install the plastic rivet nut into these holes.



- 2.33.** Before the air dam is finally installed; we need to cut a slight square in the bumper so that we can install a nut on the splitter. This is on either side and is completely covered up by the air dam. We used a razor.

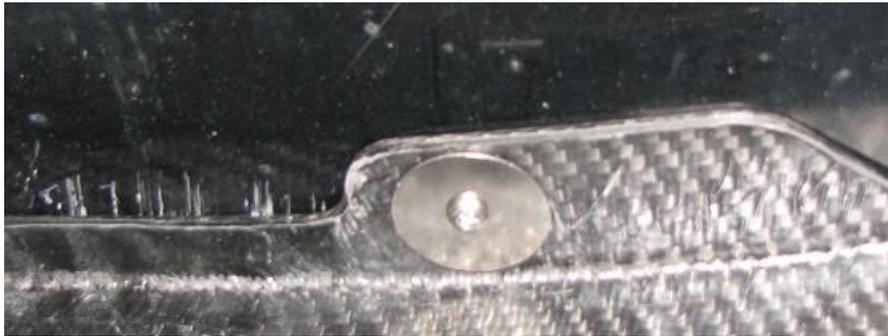


- 2.34.** Loosely install the air dam.

Front Splitter Kit, 987.2 Cayman – Install Manual



- 2.35. Utilizing (2) of the M6 x 1.0 x 20mm Long BHCS, the large 38mm OD washer, and install these into the air dam to the front bumper locations.



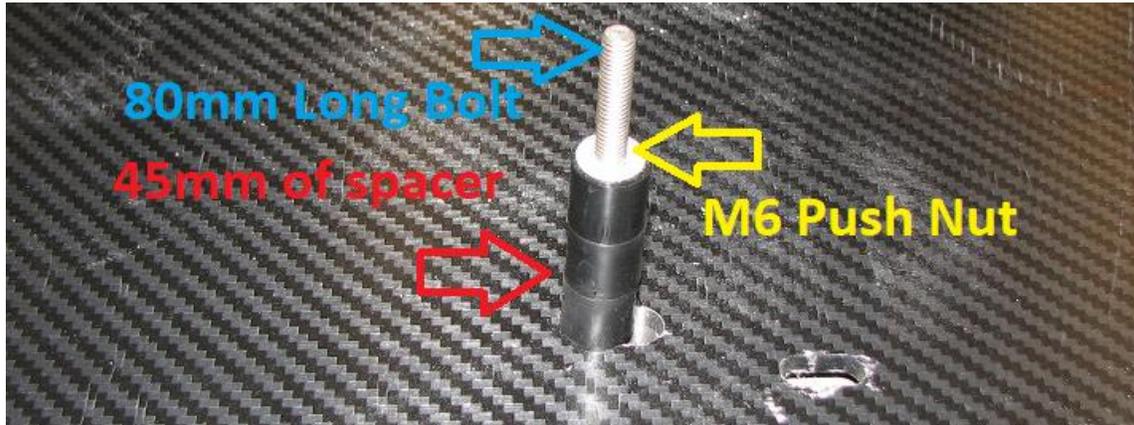
- 2.36. We will now get the front splitter ready for install. ***\*Note, the bottom side of the splitter has the logo plate on it and is radiused.\****



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

## Front Splitter Kit, 987.2 Cayman – Install Manual

- 2.37.** Grab an 80mm long BHCS, 38mm OD washer, and install it in the inner two holes (blue arrows above). Install (3) 15mm Long Nylon Spacers on the top side of the splitter. Utilize a 7mm deep socket to install the push nut. These steps are shown below.



- 2.38.** For the outer two holes (yellow arrows in step 2.36), we grab the 70mm long bolts and large washers and install them from the bottom again. Utilize (2) 10mm spacers and (1) 15mm spacer on these outer locations. Install the push nut on these two bolts as well.



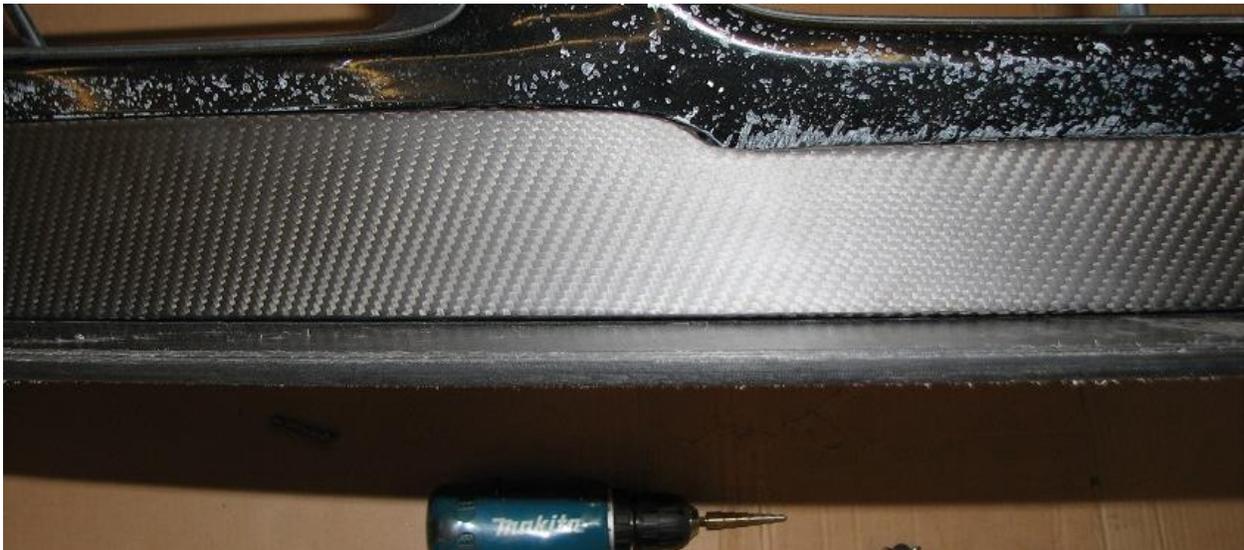
- 2.39.** With the (4) bolts installed on the splitter, we can actually begin installing the splitter on the bumper! Do not fully tighten these bolts at this time.

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

## Front Splitter Kit, 987.2 Cayman – Install Manual



- 2.40.** Utilizing the remaining 20mm long BHCS, with the 18mm OD fender washers, to install the splitter to the air dam.



- 2.41.** You will need to work the air dam around to get all the holes to line up with the splitter bolts. Install these when you can but ensure you do not cross thread the bolts.

## Front Splitter Kit, 987.2 Cayman – Install Manual



- 2.42.** The last two bolts that need installed before final tightening, are the rear most bolts. These utilize a nut on the top and was the reason for cutting a square out of the bumper in step 2.33.



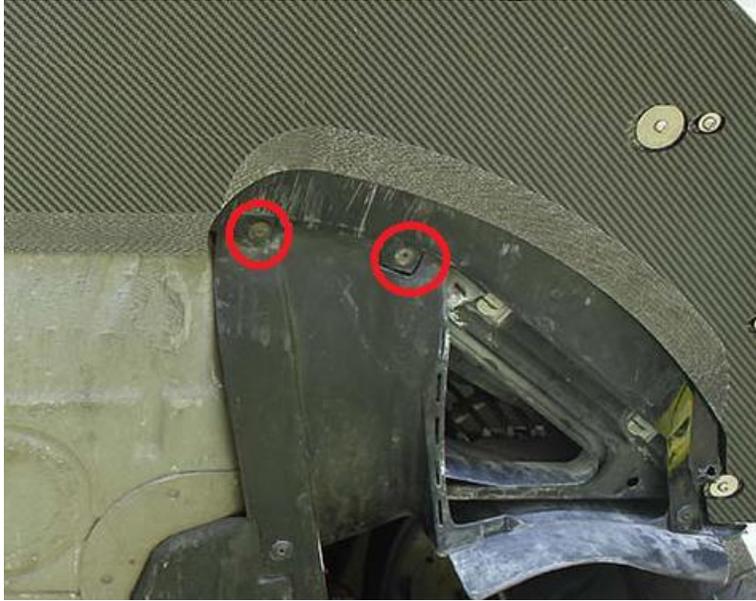
- 2.43.** With all the bolts installed; we can do final tightening on the hardware. Recommended torque is around 6-8 ft-lbs; most of the fasteners are locking and will resist backing out.

## Front Splitter Kit, 987.2 Cayman – Install Manual



- 2.44. The front splitter, air dam, and bumper assembly are now ready to install on the car!
- 2.45. We re-install the front bumper in reverse order. The below steps are a brief guide to re-install.
- 2.46. Plug in running lights and fog light connections and wire harness.
- 2.47. Slide the bumper rearward, into place.
- 2.48. Install metal clips on the upper bumper mounts.
- 2.49. Install the (3) bolts on the top bumper as well.
- 2.50. Reinstall the headlights by using the OEM tool; remember the handle points rearward when fully installed.
- 2.51. Install the vertical bolts in the fender.
- 2.52. Install side marker plug and side marker.
- 2.53. Install fender liner bolts that were installed previously.
- 2.54. Install the OEM bolts from the bumper to the chassis (circled in red below).

## Front Splitter Kit, 987.2 Cayman – Install Manual

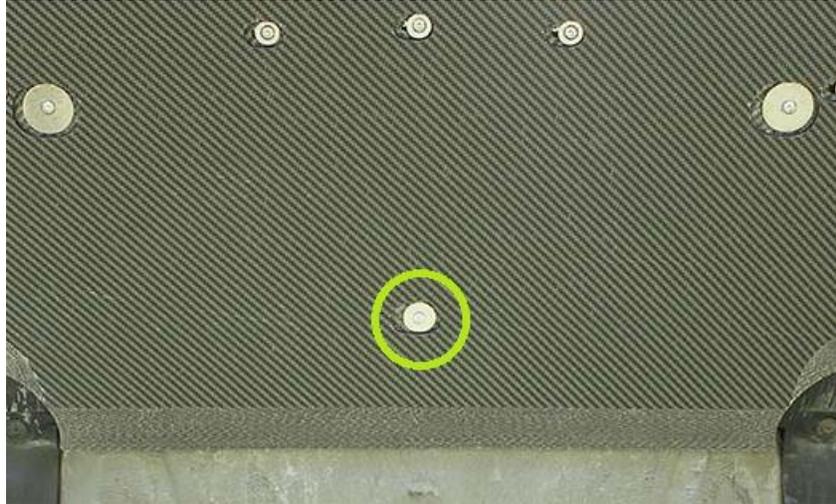


- 2.55.** Install the (2) short Torx Head Cap Screws with the 1.00" OD washers in the rear most holes (blue arrow below).



- 2.56.** The last bolt to install is the center rear most bolt. Utilize the longer THCS and 1" OD washer. This is circled in green below.

## Front Splitter Kit, 987.2 Cayman – Install Manual



**2.57.** At this point, all of the bolts are installed on the entire car. Do a once over and ensure that all bolts have been tightened.

**2.58.** Install the plastic frunk surround.



**2.59.** Congratulations on installing our 987.2 front splitter and air dam. Please send any questions, comments, concerns, or photos to Verus Engineering via e-mail; [sales@verus-engineering.com](mailto:sales@verus-engineering.com).

Front Splitter Kit, 987.2 Cayman – Install Manual



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