

VERUS

ENGINEERING

Rear Wing and Spoiler – 981 GT4 Cayman

Install Manual



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1. Introduction

1.1. Overview: Detailed instructions on installing the Verus Engineering rear wing on the 981 GT4 Porsche Cayman.

1.2. Difficulty: Easy - Moderate

1.3. Time Required: 1.5 – 2.5 hour

1.4. Tools Needed:

- 1.4.1. Level
- 1.4.2. Scissors
- 1.4.3. 2.5mm Allen Wrench
- 1.4.4. 4mm Allen Wrench
- 1.4.5. Torx Sockets (T30 Specifically)
- 1.4.6. 5/16", 6 point socket
- 1.4.7. 5/16", 12 point socket
- 1.4.8. Ratchets
- 1.4.9. Alcohol
- 1.4.10. Plastic Panel Popper
- 1.4.11. Small Screwdriver
- 1.4.12. Pliers
- 1.4.13. Painters Tape

**1.5. Rear Wing Components**

1.5.1. Carbon Fiber Rear Wing – Assembled

1.5.1.1. Rear Wing

1.5.1.2. (2) Wing Mounts - Installed

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- 1.5.2. (2) Endplate
- 1.5.3. (2) Wing Upright
- 1.5.4. (2) Beauty Plate
- 1.5.5. (2) Trunk Mount
- 1.5.6. (1) Trunk Strut
- 1.5.7. (1) Gurney Flap
- 1.5.8. Hardware Bag
 - 1.5.8.1. (4) M4x0.7 x 16mm Long Button Head Cap Screw (BHCS) , Stainless
 - 1.5.8.2. (4) Aluminum Endplate Washers
 - 1.5.8.3. (4) #013 O-Ring
 - 1.5.8.4. (4) NAS Wing Mount Bolts
 - 1.5.8.5. (8) NAS Wing Mount Washers
 - 1.5.8.6. (4) NAS Wing Mount Nuts
 - 1.5.8.7. (2) Beauty Plate Double-Sided Tape
 - 1.5.8.8. (2) OEM Upright Bolt Cover Double-Sided Tape
 - 1.5.8.9. (1) Roll of Double-Sided Tape



2. 981 GT4 Cayman Rear Wing 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 begin by removing the OEM rear wing. Using a T30 Torx and a 4mm allen wrench, remove the (4) locations holding the OEM wing on.

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- 2.3.** With the wing removed, we can now remove the beauty plate which is double-side taped on. Use painters tape around the beauty plate to protect the paint.



- 2.4.** Utilize the plastic panel popper, working your way around the plate, to cause the double-sided tape to loosen.
- 2.5.** With the beauty plate removed, the trunk will look similar to the below image. The trunk is cleaned in this image, which will need to happen before re-install, but you will likely have double sided tape residue.

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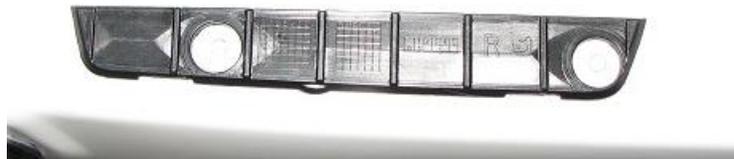
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- 2.6.** Pop the trunk.
2.7. Remove the cover shown below. It simply pops off.



- 2.8.** Below the cover above, is another cover that is double side taped on. This needs removed to access the upright bolts.



- 2.9.** With the cover removed; you can see the three bolts that hold the upright to the trunk. You can also see the double sided tape that will need removed.

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- 2.10.** After some WD40, goo gone, and elbow grease, the double side tape is gone.



- 2.11.** Remove the three bolts that hold the upright on. They are T30 Torx bolts.
- 2.12.** With the upright removed, we can see the two units side by side. Also note the o-ring on the OEM upright.



- 2.13.** Remove the o-ring on the OEM upright and install it on the Verus upright.

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- 2.14. Install the Verus upright. Torque the (3) bolts to 6-8 ft-lbs.



- 2.15. We supply the kit with a higher strength trunk strut. ****In full disclosure, the strengthened strut reduces the amount the trunk will open by about 6 inches. It does improve the opening operation of the trunk and utilizing (1) OEM strut, with (1) strengthened strut created the best combination of opening, closing, and popping actions.****
- 2.16. To remove the OEM strut, utilize a small screwdriver and remove the circlip from each side.

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- 2.17. Remove the strut by pulling away from the connection spots.
- 2.18. Install the strengthened strut by removing the snap rings, pressing the strut on, and re-installing the snap rings.



- 2.19. Grab the beauty plates and clean the underside with alcohol to improve adhesion.
- 2.20. Grab the double side tape for the beauty plates. We need to install the tape on the beauty plate as shown below. ***There is a left hand and a right hand, ensure it is installed on the correct side!***

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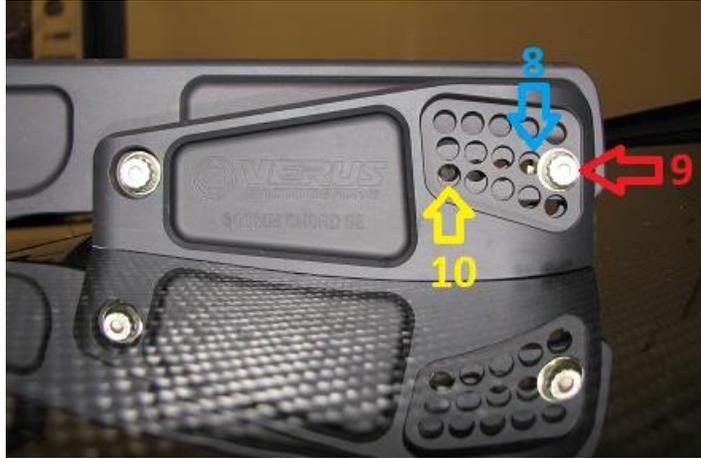


- 2.21. Before installing the beauty plates, clean the trunk with alcohol in the vicinity where this will be installed.
- 2.22. Remove the red backing from the double sided tape.
- 2.23. Slide the beauty plates over the uprights. At the kink section, you will have to slightly tap/rock/jiggle the plate over the upright. This can and will slide down, do not force it as you risk damaging the surface finish.
- 2.24. As it nears the bottom of the upright, square it up on the upright and press down firmly.

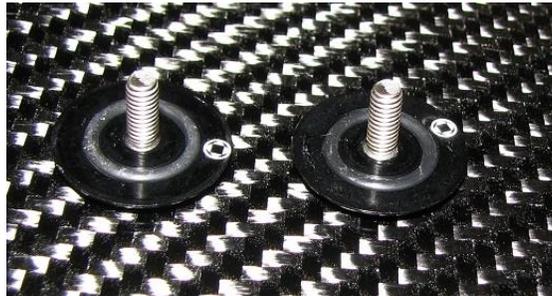


- 2.25. Install the rear wing. It is very helpful to have a second pair of hands for this part as the wing is quite large. Utilize the NAS hardware to install the wing. We recommend starting at 8-10 degrees of AOA.

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- 2.26.** The NAS hardware does not need to be extremely tight; the jet nuts resist backing off.
- 2.27.** With the wing installed; we can install the endplates. Grab an endplate, an M4 x 16mm long FHCS, an o-ring, and an endplate washer. If you dip the o-ring in water, it will stay within the endplate washer better.



- 2.28.** Install the endplate. With a level on the top surface, level the endplate.

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- 2.29.** The final part of the install is the gurney flap, which improves performance of the rear wing. We recommend testing without the gurney flap initially.
- 2.30.** If you decide to install the gurney flap, we need to first clean the rear trailing edge of the wing to ensure adhesion of the double sided tape. Utilize a 50/50 mixture of alcohol and water.
- 2.31.** Install the double sided tape as shown below.



- 2.32.** Clean the gurney flap on the surface to be installed on the rear wing.

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- 2.33.** Install the gurney flap onto the wing; kneading and working it into the double sided tape.



- 2.34.** Popping the trunk again, we can install the trunk mounts by simply uninstalling the OEM rubber unit and installing the supplied delrin pieces. These transfer the load of the rear wing to the chassis without deflecting and should be unscrewed until they touch the chassis when fully closed.



- 2.35.** Grab the upright bolt cover piece and clean the double sided tape off it.
- 2.36.** Install the supplied double sided tape on the cover. Once again, there is a left and a right.

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- 2.37. Reinstall the cover on the trunk in the respective location.



- 2.38. Reinstall the cover by snapping it on in place.



- 2.39. Congratulations on installing our 981 GT4 rear wing. Please send any questions, comments, concerns, or photos to Verus Engineering via e-mail; sales@verus-engineering.com.



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