

VERUS ENGINEERING

UCW Rear Wing Kit – Fk8 Honda Civic Type R Install Manual



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1. Introduction

1.1. Overview: Detailed instructions on installing the Verus Engineering UCW Rear Wing Kit for the Fk8 Civic Type R.

1.2. Difficulty: Easy to Moderate

1.3. Time Required: 2 hours

1.4. Tools Needed:

- 1.4.1. Flathead Screwdriver or Plastic Rivet Removal Tool
- 1.4.2. Plastic Panel Popping Tool
- 1.4.3. Ratchet
- 1.4.4. Ratchet Extension (3"+)
- 1.4.5. 10mm Socket
- 1.4.6. 2.5mm Allen Wrench or Allen Socket
- 1.4.7. 4mm Allen Wrench or Allen Socket
- 1.4.8. 5mm Allen Wrench or Allen Socket
- 1.4.9. 50/50 Mix of Isopropyl Alcohol and Water
- 1.4.10. Microfiber Towel
- 1.4.11. Level (Optional)

**1.5. UCW Rear Wing Kit Components**

- 1.5.1. (1) UCW Swan Neck Rear Wing Assembly
- 1.5.2. (2) Upright
- 1.5.3. (1) Left Trunk Mount
- 1.5.4. (1) Right Trunk Mount
- 1.5.5. (2) Aluminum Endplate
- 1.5.6. (1) Hardware Bag
 - 1.5.6.1. (4) M6 x 1.0 x 22mm Long SHCS (Socket Head Cap Screw), Stainless
 - 1.5.6.2. (4) M6 x1.0 Nyloc Nut, Stainless

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- 1.5.6.3. (4) M6x1.0 x 16mm Long Button Head Cap Screw (BHCS), Stainless
- 1.5.6.4. (12) M6 x 12mm OD Washer, Stainless
- 1.5.6.5. (4) M6 x 1.0 x 55mm Long BHCS, Stainless
- 1.5.6.6. (4) M6 x 18mm OD Washer, Stainless
- 1.5.6.7. (4) Machined Aluminum Endplate Washer
- 1.5.6.8. (4) Buna-N O-Ring, #013
- 1.5.6.9. (4) M4 x 0.7 FHCS (Flat Head Cap Screw) x 16mm Long, Stainless
- 1.5.6.10. (1) Left Pre-Cut VHB Double Sided Tape
- 1.5.6.11. (1) Right Pre-Cut VHB Double Sided Tape



2. UCW 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 gaining access to the rear hatch.
- 2.3. First, we need to remove the plastic trim pieces surrounding the rear glass. Start on the bottom and remove the center piece first (1) and then the two side pieces (2,3) as indicated below. To do this, you will pull these pieces evenly and firmly away from the vehicle. The center piece will have four clips holding it on and the side pieces will have two clips.

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- 2.4.** To remove the rest of the trim, grab your plastic panel popping tool and remove the two small rectangle sections as shown above in green.
- 2.5.** Next, we need to remove the two plastic pop rivets from the locations being pointed at below. Use a plastic rivet removal tool or a flathead screwdriver.



- 2.6.** Now you grab the handle and pull downward to remove. Do this for both sides.

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- 2.7.** Once the handles are removed, grab your 10mm socket, ratchet, and ratchet extension to remove the bolts securing the trim to the hatch. There is a total of four bolts that need removed.



- 2.8.** You may now fully remove the last piece of trim by pulling firmly downward.



- 2.9.** Remove the 10mm bolts securing the OEM wing to the rear hatch.

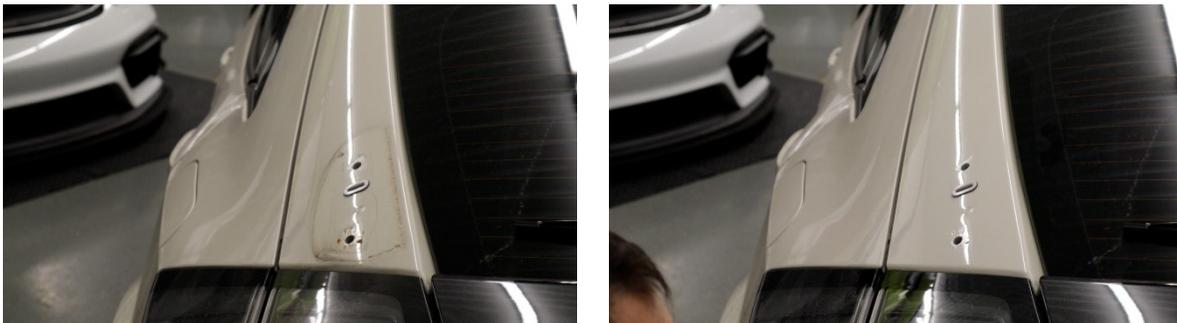
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- 2.10.** Close the rear hatch and remove the OEM wing by firmly pulling upward. **Note: This can be done by yourself, but to ensure the rear hatch does not get damaged, it is always helpful to have a second set of hands with this step.**



- 2.11.** After the OEM wing is removed, you are left over with some debris around the mounting locations as shown below. Clean the hatch surface on both sides so that they are free from debris. Depending on the extent of the debris, you may need to use a small buffing wheel to remove swirls and years of grime. Below are photos showing before and after cleaning this area.



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- 2.12.** Next, we need to remove the factory plastic retainers as shown below. Do so by using your plastic panel popping tool.



- 2.13.** Now we need to prep the hatch surface and trunk mount surface for the 3M VHB installation. Do so by cleaning both the hatch surfaces and the bottom side of the hatch mounts with a microfiber towel and 50/50 mix of isopropyl and water.

- 2.14.** After both surfaces are clean and dry, you may now install the pre-cut 3M VHB on the bottom side of the trunk mount. **Note: There are a left and a right piece of pre-cut 3M VHB just like the hatch mounts.**



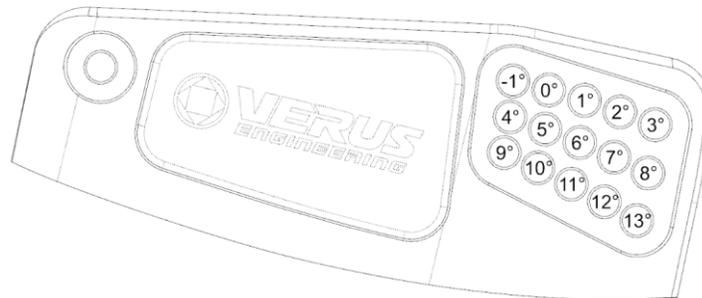
- 2.15.** Pop the hatch slightly, peel the red backing off the 3M VHB, and without pressing the 3M tape into the hatch yet, start both bolts to ensure the hatch mount seats properly. Once both bolts are started, you can then press the hatch mount on the hatch and massage it gently into the hatch surface to ensure proper adhesion. Torque bolts to 6 ft-lbs and repeat this process for the other side. **Note: The 55mm long M6 BHCS and 18mm OD washers get used here and you will need a 4mm Allen for tightening.**

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- 2.16.** Next, we need to install the uprights to the hatch mounts. Do so by using the M6x16mm long BHCS and 12mm OD M6 washers. Using your 4mm Allen, torque bolts to 6 ft-lbs.



- 2.17.** Now it is time to fit the wing to the car. Using M6x22mm long SHCSs, four M6x12mm OD washers, and two M6 nyloc nut, start the bolts in the front on both sides. Keep these bolts hand tight for the time being.
- 2.18.** For AOA, below is a guideline of what we have designed and tested internally. Every install and car can vary from this slightly. To ensure proper AOA, you should lay a straight edge from the front to the rear of the wing and check *in relation to the ground plane*.



- 2.19.** After your desired AOA is selected, you can now install the remaining M6x22mm long SHCS, M6x12mm OD washers, and M6 nyloc nuts in the rearmost locations. Torque to 6 ft-lbs.
- 2.20.** To finish installing the rear wing, we have to install the endplates. We include aluminum washers for M4 FHCS, and o-rings to reduce marring of the endplate surface. Install the o-ring in the washer groove, and install into the endplate and rear wing as shown below. Finger tight only for the time being.

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- 2.21.** The endplate top and bottom edge, should be parallel to the ground. Utilize a level before fully tightening the endplates down. Using a 2.5mm Allen wrench, tighten 1/8 turn past finger tight. Not much torque is needed here.
- 2.22.** Congratulations on installing the UCW Rear Wing for the Fk8 Honda Civic Type R! For more information on performance, please visit our website and take a look at our informative packet.
- 2.23.** Please send any questions, comments, concerns, or photos to Verus Engineering via e-mail; sales@verus-engineering.com.



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