



VERUS ENGINEERING

Brake Master Cylinder Brace – Fk8 Honda Civic Type R Install Manual



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1. Introduction

1.1. Overview: Detailed instructions on installing the Verus Engineering Master Cylinder Brace for the Fk8 Honda Civic Type R.

1.2. Difficulty: Easy

1.3. Time Required: 0.5-1 hour

1.4. Tools Needed:

- 1.4.1. Ratchet
- 1.4.2. 10mm Socket or Wrench
- 1.4.3. 3mm Allen Key or Socket
- 1.4.4. 9/16" Wrench
- 1.4.5. 12mm Wrench
- 1.4.6. 17mm Wrench

**1.5. Master Cylinder Brace Components**

- 1.5.1. (1) Master Cylinder Brace
- 1.5.2. (1) Master Cylinder Brace Adjuster
- 1.5.3. (1) Master Cylinder Brace Foot
- 1.5.4. Hardware Bag
 - 1.5.4.1. (2) M4x0.7 Rivet Nut, Zinc Coated Steel
 - 1.5.4.2. (1) M4 Rivet Nut Install Tool
 - 1.5.4.3. (1) M10 x 1.5 Hex Jam Nut
 - 1.5.4.4. (2) M4x0.7 x 18mm Long SHCS (Socket Head Cap Screw), Stainless
 - 1.5.4.5. (2) M4 Fender Washer, Stainless
 - 1.5.4.6. (2) 7.5" Zip Ties

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**2. Fk8 Honda CTR Master Cylinder Brace 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 underneath the hood. Pop the hood and open it.
- 2.3. In order to gain better access to the installation area, we need to remove the battery. Do so by using a 10mm socket and ratchet to remove the battery.
- 2.4. After the battery is removed, we need to install a zip tie or two to hold back a factory hose line. This hose can be seen in the below image.



- 2.5. Next, we need to install the M4 rivet nuts into the firewall. To properly install the rivet nut, you will want to thread the rivet nut onto the tool as shown below.

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2.6. Using the 9/16" wrench and the 3mm allen wrench, hold the nut steady and tighten the allen bolt. You will have some initial resistance, then the rivet nut will begin to pull tighter on the material.

2.7. Once the rivet nuts are installed, it should look like the image below.



2.8. Next we need to assemble the BMC brace. To do this, thread the M10 jam nut all the way onto the adjuster bolt and then fully thread the adjuster bolt into the BMC brace as shown below. **Do not tighten the jam nut yet as we will need to adjust later on in the install.**



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- 2.9.** Install the brake master cylinder brace as shown below. Start by hand threading in the 18mm long M4 SHCS and M4 washers then fully tighten to 4 ft-lbs.



- 2.10.** Now it is time to adjust the adjuster bolt and install the foot. To do so, unthread the adjuster bolt until it is nearly touching the BMC and then slide the foot between the BMC and the adjuster bolt. Tighten by hand until the foot stays in place. Ensure the foot is centered on the master cylinder brace and then loosen the adjuster to add some compression to the master cylinder. Do not go overboard, a little resistance is good.



- 2.11.** Ensure the adjuster is still properly tightened to the master cylinder. Using a 12mm wrench and a 17mm wrench, lock the adjuster in place with the jam nut.
- 2.12.** Reinstall the battery.
- 2.13.** Congratulations on installing the Verus Engineering Master Cylinder Brace on the Fk8 Honda CTR.

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- 2.14. Please send any questions, comments, concerns, or photos to Verus Engineering via e-mail; sales@verus-engineering.com.



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