

VERUS ENGINEERING

Master Cylinder Brace – Mk5 Toyota Supra Install Manual



Author: Eric Hazen
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Approvals: E. Hazen, C. Warner

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Master Cylinder Brace, Mk5 Toyota Supra – Install Manual

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1. Introduction

1.1. Overview: Detailed instructions on installing the Verus Engineering Master Cylinder Brace for the Mk5 Toyota Supra.

1.2. Difficulty: Easy

1.3. Time Required: 0.5-1 hour

1.4. Tools Needed:

- 1.4.1. Ratchet
- 1.4.2. E14 Socket
- 1.4.3. Plastic Rivet Tool (Side cuts work as well)
- 1.4.4. 3mm Allen Wrench
- 1.4.5. 12mm Wrench
- 1.4.6. 17mm Wrench

1.5. Master Cylinder Brace Components

- 1.5.1. (1) Master Cylinder Brace Base
- 1.5.2. (1) Master Cylinder Brace Extension Bar
- 1.5.3. (1) Master Cylinder Brace Adjuster
- 1.5.4. (1) Master Cylinder Brace Foot
- 1.5.5. Hardware Bag
 - 1.5.5.1. (3) M5 x 0.8 (Button Head Cap Screw) x 20mm Long, Stainless
 - 1.5.5.2. (1) M10 x 1.5 Hex Jam Nut



2. Mk5 Toyota Supra 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.

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- 2.3. Below is a photo with access to the master cylinder brace, which is on the driver's side of the engine bay, all the way towards the firewall.



- 2.4. We will need to remove the plastic covers to gain access to everything necessary for the install. Remove the master cylinder cover by undoing the lock and pulling up and forward.



- 2.5. We can now remove the other plastic cover which covers the top of the strut tower area. To do so, remove the two plastic push rivets circled in blue by pulling up on the top section which is shown as an orange arrow.

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2.6. Once the rivets are removed, pull up on the cover as it presses into the center of the strut tower. You will have a similar picture below at this point.



2.7. Remove the two E14 bolts as shown below in yellow.

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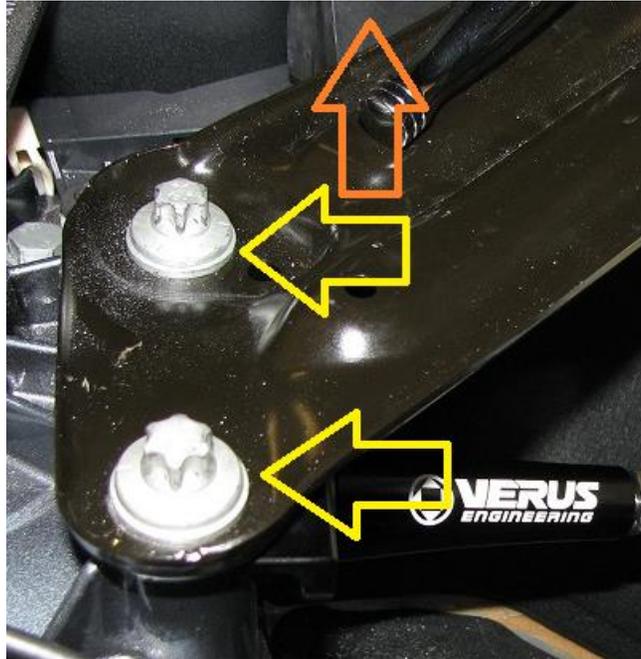


- 2.8.** Moving to a work table, we can assemble the master cylinder brace before going into the car. Using the supplied M5 BHCS, we can assemble the extension shaft onto the base. Grabbing the jam nut, we can thread the jam nut onto the adjuster, and then the adjuster onto the extension shaft/base combo.

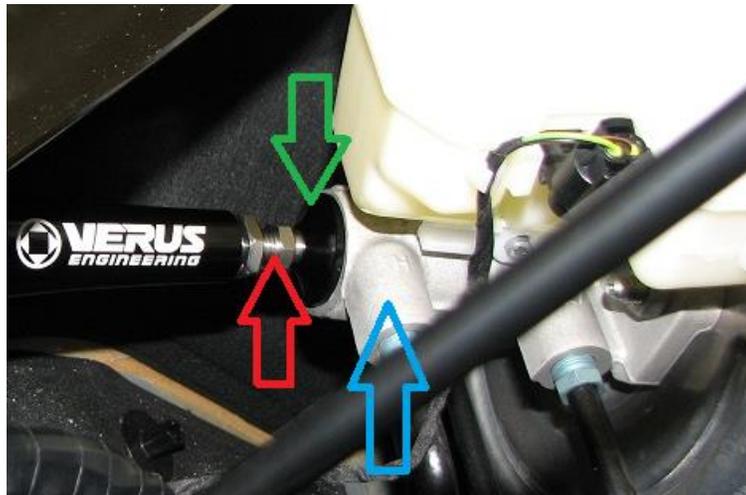


- 2.9.** With this assembled, we can place it onto the car. To do so, pull up on the factory bracing (orange arrow), and slide the assembly underneath and forward (yellow arrows).

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- 2.10.** Loosely reinstall the OEM bolts as shown in the previous image.
- 2.11.** We can now install the master cylinder brace foot (green arrow), which is ultimately sandwiched between the master cylinder (blue arrow) and the adjuster knob (red arrow). To do this is a two hand job, with one hand, place the foot down into location and with the other hand, and unthread the adjuster from the brace.



- 2.12.** Ensure the foot is centered in 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.

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- 2.13. Tighten the E14 bolts to factory spec, 41 ft-lbs.
- 2.14. Once tightened, 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.
- 2.15. Reinstall the factory plastic covers.
- 2.16. Congratulations on installing the Verus Engineering Master Cylinder Brace on the Mk5 Toyota Supra.
- 2.17. Please send any questions, comments, concerns, or photos to Verus Engineering via e-mail; sales@verus-engineering.com.



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