

VERUS ENGINEERING

AOS Kit – Mk5 Toyota Supra Install Manual



Author: Eric Hazen
Release Date: 2020/09/05
Approvals: E. Hazen, C. Warner

Document Revisions

Rev	Date	Author	Description
01	2020/09/05	E. Hazen	Initial release of install manual

AOS Kit, Mk5 Toyota Supra – 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. AOS Components	<3-4>
2. AOS Install	<4-8>

AOS Kit, Mk5 Toyota Supra – Install Manual

1. Introduction

1.1. Overview: Detailed instructions on installing the Verus Engineering AOS 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. 13mm Socket
- 1.4.3. T20 Torx
- 1.4.4. 4mm Allen Wrench or Socket

**1.5. AOS Kit Components**

- 1.5.1. (1) Pre-Assembled AOS Unit
- 1.5.2. (2) Pre-formed Silicone Hose
- 1.5.3. (1) AOS Bracket
- 1.5.4. (1) CNC PCV Hose Adapter
- 1.5.5. Hardware Bag
 - 1.5.5.1. (7) M6 x 1.0 (Button Head Cap Screw) x 16mm Long, Stainless
 - 1.5.5.2. (7) M6 x 12mm OD Washer, Stainless

AOS Kit, Mk5 Toyota Supra – Install Manual

**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.
- 2.3. Pull the engine cover off by pulling up around the unit.



- 2.4. We will need to remove the OE hose from the valve cover, this hose is pointed out with a red arrow below.

AOS Kit, Mk5 Toyota Supra – Install Manual



- 2.5. To remove this hose from the valve cover, push the two “ears” on each side of the hose and then pull up. See below.

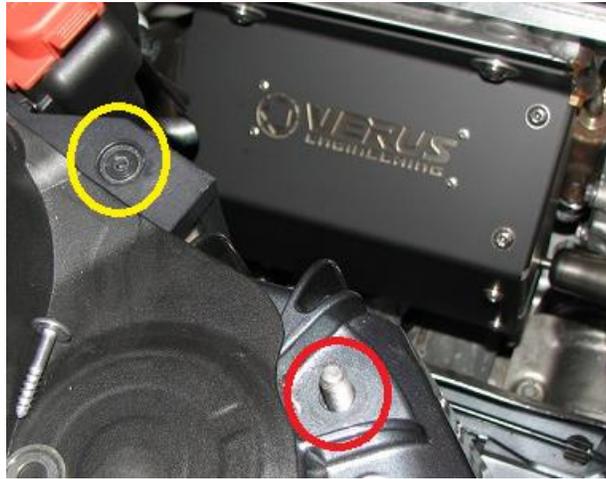


- 2.6. With the hose off the valve cover, we can install the PCV hose adapter as shown below. Simply press it on and it will click into place.



AOS Kit, Mk5 Toyota Supra – Install Manual

2.7. Remove the 13mm bolt (circled in red) and the T20 bolt (circled in yellow).



2.8. The AOS is now ready to be installed. First we have to assemble the AOS to the bracket with the supplied hardware, as shown below. Tighten the bolts to around 6 ft-lbs.



2.9. Install the AOS onto the car as shown below.

AOS Kit, Mk5 Toyota Supra – Install Manual



2.10. Tighten the T20 bolt to snug, and the 13mm bolt to factory spec, 21 ft-lbs + 90 degree turn.

2.11. We can now install the silicone hoses. We recommend installing the longer of the two hoses first, as shown below.



2.12. Install the other hose as shown below.

AOS Kit, Mk5 Toyota Supra – Install Manual



- 2.13. Reinstall the OEM engine cover.
- 2.14. Congratulations on installing the Verus Engineering AOS kit on the Mk5 Toyota Supra.
- 2.15. Please send any questions, comments, concerns, or photos to Verus Engineering via e-mail; sales@verus-engineering.com.



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