

VERUS ENGINEERING

WRX and STI Throttle Pedal Spacer

Install Manual



Author: Eric Hazen

Release Date: 2017/11/28

Approvals: E. Hazen, P. Lucas

Document Revisions

Rev	Date	Author	Description
01	2017/05/22	E. Hazen	Initial release of install manual

VA WRX and STI Throttle Pedal Spacer Install

CONTENTS

1. Introduction	<3>
1.1. Overview	<3>
1.2. Difficulty	<3>
1.3. Time Required	<3>
1.4. Tools Needed	<3>
1.5. Pedal Spacer Components	<3>
2. Pedal Spacer Install.....	<3-8>

VA WRX and STI Throttle Pedal Spacer Install

1. Introduction

1.1. Overview: Detailed instructions on installing the throttle pedal spacer for the VA Chassis WRX and STI.

1.2. Difficulty: Easy

1.3. Time Required: 30 minutes

1.4. Tools Needed:

1.4.1. 10mm Socket

1.4.2. Ratchet

1.4.3. Small Extension

1.5. Throttle Pedal Spacer Components

1.5.1. Throttle Pedal Spacer

1.5.2. Throttle Pedal Stop

1.5.3. Hardware Bag

1.5.3.1. (2) M6x1.0 x 35mm Long Hex Head Cap Screw HHCS

1.5.3.2. (2) M6 Nylon Locking Nut



2. Throttle Pedal Install

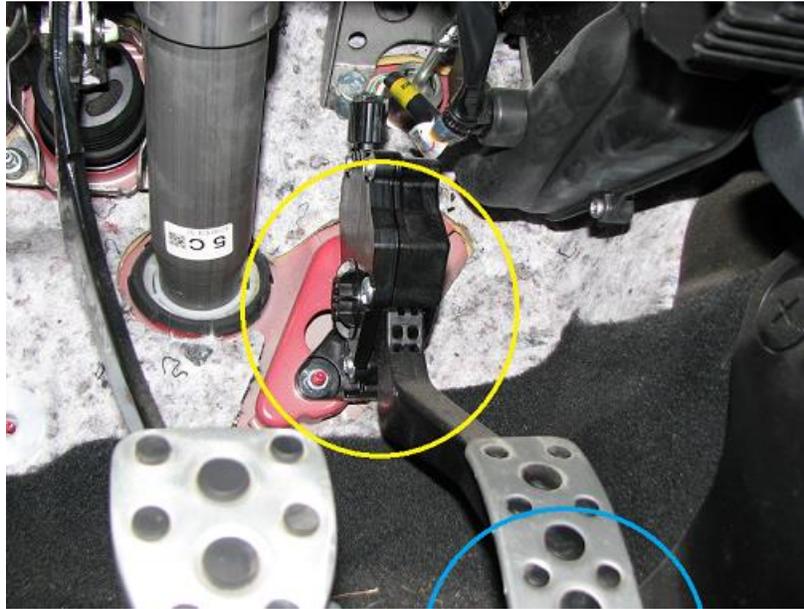
2.1. Verus Engineering is not responsible for damage to you or your vehicle by following this manual and/or installing Verus Engineering products.

2.2. Keep in mind, moving the throttle pedal closer to the brake pedal can and will require a new driving habit to be formed and increases the chances of the throttle being pressed accidentally during driving. Be sure to test while stationary and in a safe environment.

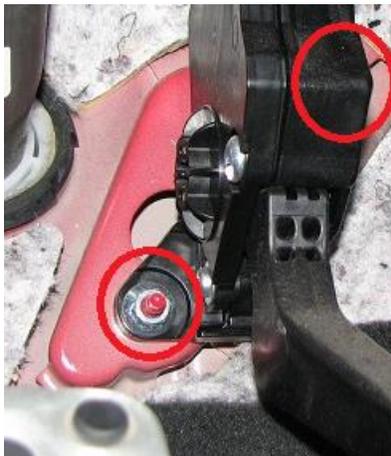
Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.

VA WRX and STI Throttle Pedal Spacer Install

- 2.3. Move the driver's seat all the way rearward to aid in access to the pedals.
- 2.4. With the seat rearward, we can get a look at the components we will be modifying and replacing. The stock throttle pedal is circled in yellow and the stock throttle pedal stop is circled in blue.



- 2.5. We'll start with the throttle pedal spacer. Remove the two 10mm nuts, circled in red below.



- 2.6. Unplug the throttle pedal electrical connection which is on the top of the pedal and move the throttle pedal to a safe place.

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

VA WRX and STI Throttle Pedal Spacer Install

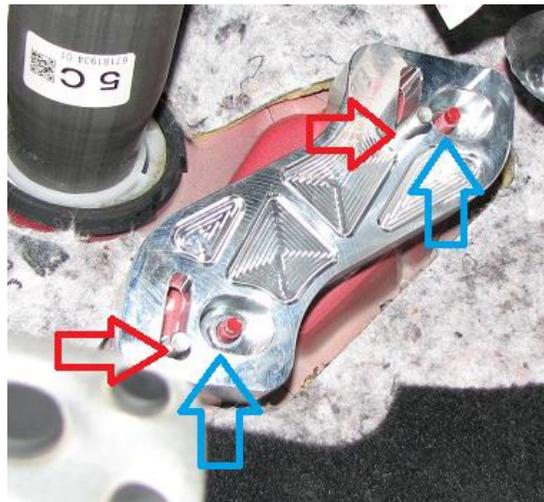


2.7. Below is what we are left with when the throttle pedal is removed completely.



2.8. Before installing the pedal spacer, install the two hex head cap screws by inserting each through the opening location in the rear of the spacer.

2.9. With the bolts installed, we can place the throttle spacer on the OEM studs using the OEM nuts as shown below. The red arrows show the bolts install in 2.8 and the blue arrows showing the OE nuts used on the spacer.



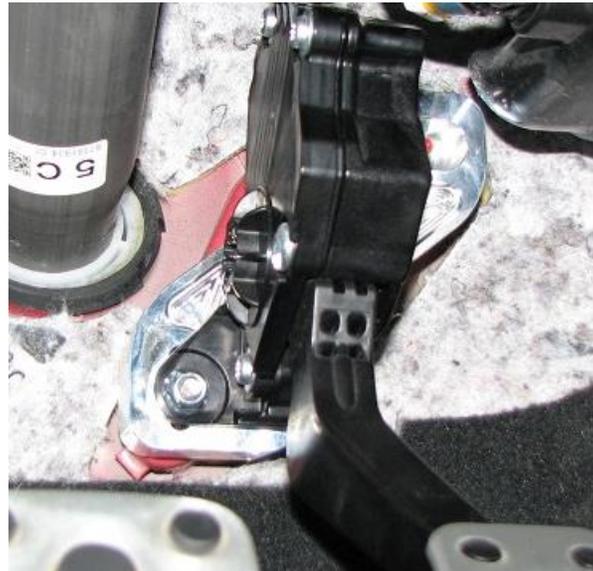
Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.

VA WRX and STI Throttle Pedal Spacer Install

- 2.10.** Tighten the OEM nuts to 6 ft-lbs. ***We recommend installing the spacer all the way to the right initially, giving the most space between the brake and the throttle initially.***



- 2.11.** With the spacer torqued down, we can install the throttle pedal on the two bolts. You can adjust the throttle pedal vertically up and down. **We suggest starting with the throttle pedal tightened down in the middle of the spacer.**



- 2.12.** Plug the throttle pedal's electrical connector back in.
- 2.13.** Remove the OEM throttle pedal stop by rotating the unit counter clock-wise with your hand.

VA WRX and STI Throttle Pedal Spacer Install



- 2.14.** Install the supplied pedal stop by twisting it on the OEM stud. This will take a bit of effort at first, then the threads will form within the material and thread on easier.



- 2.15.** Ensure everything is fully tightened and plugged in and enjoy your significantly easier to heal-toe setup.
- 2.16.** **The throttle pedal spacer changes the location of the throttle pedal, not the throw. Due to muscle memory, the acceleration pedal will feel odd at first. Please give the modification a few weeks to allow your muscles to begin a new habit for where the throttle pedal is located.**
- 2.17.** Please contact Verus Engineering with any questions, comments, concerns, and feedback via sales@verus-engineering.com.

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