

VERUS ENGINEERING

Throttle Pedal Spacer – ND Miata

Install Manual



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1. Introduction

1.1. Overview: Detailed instructions on installing the Verus Engineering Throttle Pedal Spacer for the ND Miata.

1.2. Difficulty: Easy

1.3. Time Required: 0.5 hour

1.4. Tools Needed:

- 1.4.1. Ratchet
- 1.4.2. 10mm Socket
- 1.4.3. Mini Flat Head
- 1.4.4. 7mm Wrench
- 1.4.5. 3mm Allen Wrench

**1.5. Pedal Spacer Components**

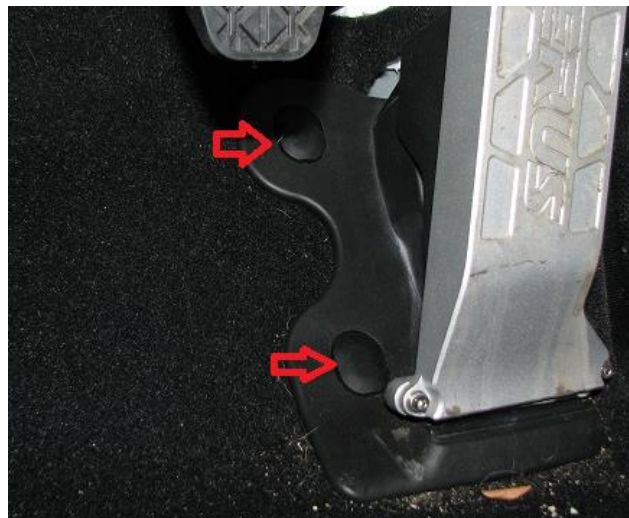
- 1.5.1. (1) Pedal Spacer Cover
- 1.5.2. (1) Upper Pedal Spacer Backing Plate
- 1.5.3. (1) Lower Pedal Spacer Backing Plate
- 1.5.4. Hardware Bag
 - 1.5.4.1. (5) M4x0.7, 18mm Long, Socket Head Cap Screw (SHCS), Stainless
 - 1.5.4.2. (11) M4 Washer, Stainless
 - 1.5.4.3. (4) M4x0.7 Stainless Nyloc Nut

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2. Throttle Pedal Spacer 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.**
- 2.3. We begin by sliding the driver's seat as far rearward as we can to gain access to the throttle pedal.
- 2.4. Pull the carpet back to expose the pedal fully.
- 2.5. We will pop off the plastic covers which are shown with red arrows below. ***Please ignore the non-anodized prototype pedal spacer.***



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2.6. Remove the 10mm bolts circled in blue below.



2.7. With the pedal loose, all we have to do is remove the throttle pedal electric connector and the pedal will be free from the vehicle.



2.8. We can now work on the pedal on a bench.



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2.9. Place the large pedal spacer on the pedal surface. Red arrow below.

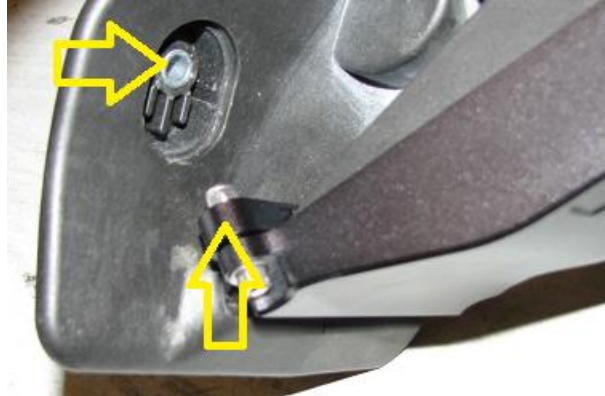


2.10. Place the upper pedal spacer backing plate on the pedal as shown below. The blue arrow shows the backing plate. Utilize the SHCS, washers, and nylocs to install this piece loosely.



2.11. Place the lower pedal spacer backing plate in place. Note that the piece has a through hole and a threaded hole. Also note that the through hole side goes on the bolt side (yellow arrows).

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- 2.12.** At this point you can fully tighten the bolts and nuts. They do not need to be very tight, 20 in-lbs is a good torque value. The nyloc nuts will ensure the bolts do not back off.



- 2.13.** Reinstall the electrical connector.
- 2.14.** Reinstall the pedal spacer with the 10mm bolts. Tighten to 80 in-lbs.
- 2.15.** Reinstall the plastic covers.
- 2.16.** Please contact Verus Engineering with any questions, comments, concerns, and feedback via sales@verus-engineering.com.