

VERUS ENGINEERING

Ford Focus RS Side Splitter

Install Manual



Author: Eric Hazen

Release Date: 2017/06/18

Approvals: E. Hazen, P. Lucas

Document Revisions

Rev	Date	Author	Description
01	2017/06/18	E. Hazen	Initial release of install manual
02	2017/08/08	P. Lucas	Company name change from Velox to Verus

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

CONTENTS

1. Introduction	<3>
1.1. Overview	<3>
1.2. Difficulty	<3>
1.3. Time Required	<3>
1.4. Tools Needed	<3>
1.5. Side Splitter Components	<3>
2. Side Splitter Install	<4-12>

Ford Focus RS Side Splitter – Install Manual

1. Introduction

1.1. Overview: Detailed instructions on installing the side splitter on the Ford Focus RS.

1.2. Difficulty: Moderate

1.3. Time Required: 2 hours

1.4. Tools Needed:

- 1.4.1. Drill
- 1.4.2. 3/8" Step Drill Bit
- 1.4.3. 4mm Allen Wrench/Allen Socket
- 1.4.4. 10mm Socket
- 1.4.5. Ratchet
- 1.4.6. 9/16" Wrench
- 1.4.7. Flat head screwdriver
- 1.4.8. Silicone or touch-up paint
- 1.4.9. Jack and Jack Stands

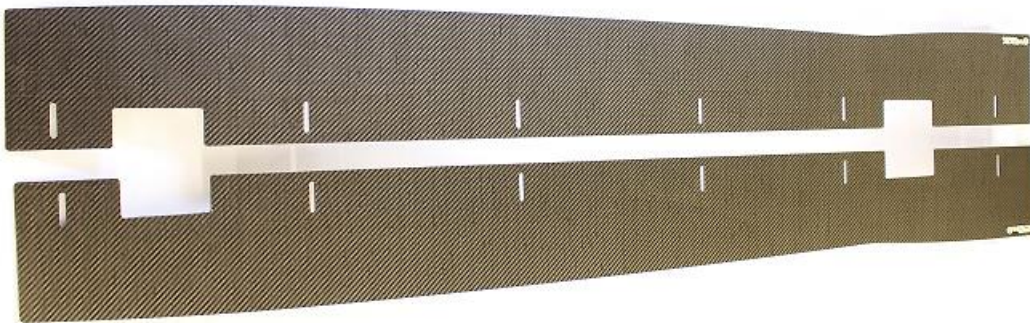
1.5. Side Splitter Components

1.5.1. Left Hand Side Splitter

1.5.2. Right Hand Side Splitter

1.5.3. Hardware Bag

- 1.5.3.1.** (13) M6 X 1.0 Button Head Cap Screw (BHCS) x 60mm Long
- 1.5.3.2.** (13) M6 x 38mm Dia. Stainless Washer
- 1.5.3.3.** (12) M6 x 1.0 Low Profile Rivet Nuts
- 1.5.3.4.** (1) Rivet Nut Install Tool
- 1.5.3.5.** (14) M6 x 15mm Long Nylon Spacer
- 1.5.3.6.** (12) M6 x 10mm Long Nylon Spacer
- 1.5.3.7.** (4) M6 x 7.5mm Long Nylon Spacer
- 1.5.3.8.** (2) M6 x 5mm Long Nylon Spacer

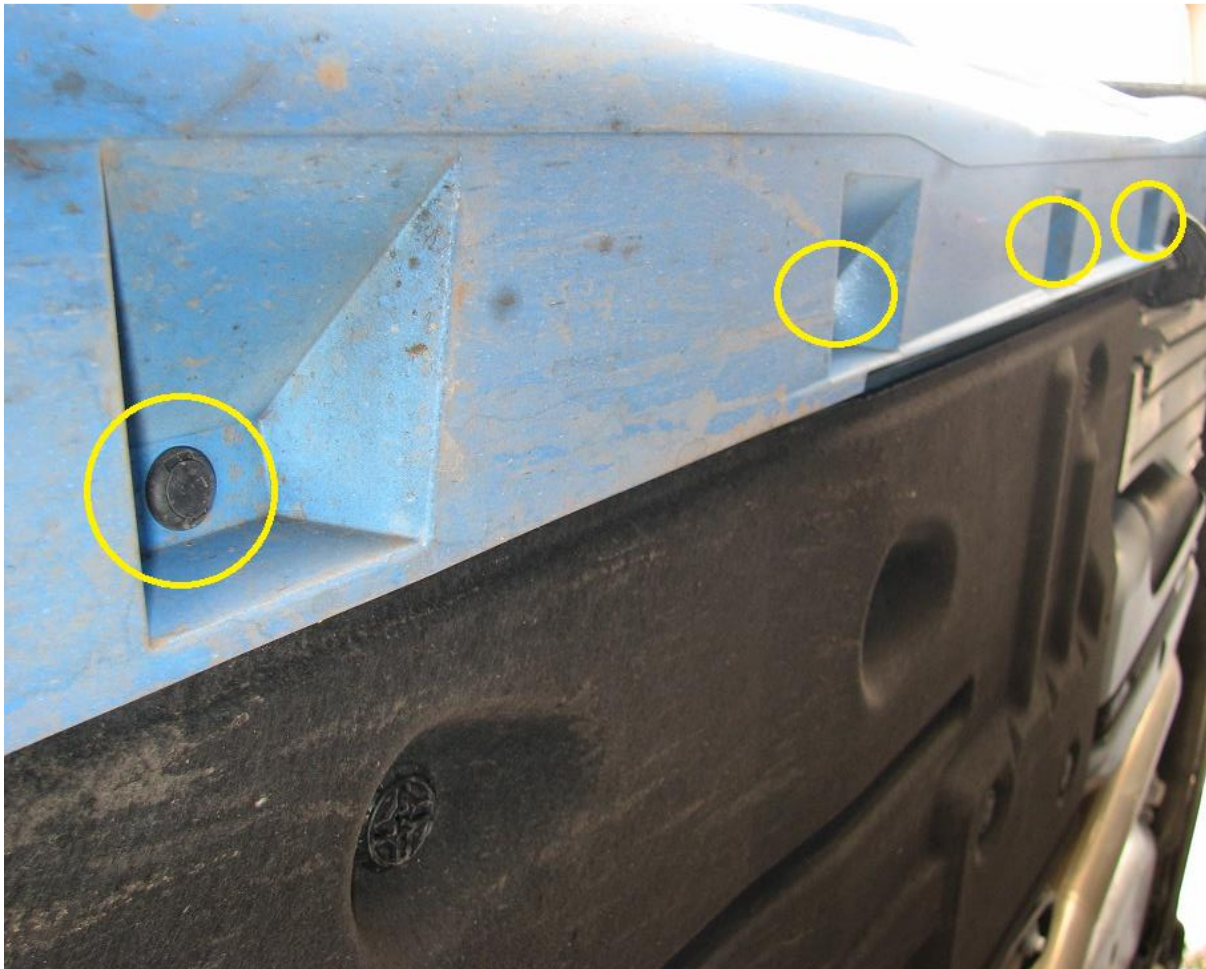


Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.

Ford Focus RS Side Splitter – Install Manual

2. Side Splitter Install

- 2.1. Velox 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 jacking up either side of the car. Start with either the drivers or passenger side of the car and place the car on jack stands with enough room to get a drill between the bottom of the side skirt and the ground.
- 2.3. With the car on jack stands, we begin to remove the OEM side skirt to access the holes underneath.
- 2.4. To remove the factory side splitter, you need to remove the (6) plastic rivets on the bottom side of the car. Most of these are circled in yellow below. Remove these with a flat head screw-driver.



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

Ford Focus RS Side Splitter – Install Manual

- 2.5. On the rear part of the *front* fender, there is another plastic rivet nut that needs removed. This is circled in red below.



- 2.6. With the plastic rivet nuts removed, you'll need to open up the doors and pull the side splitter off the plastic clips underneath.



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

Ford Focus RS Side Splitter – Install Manual

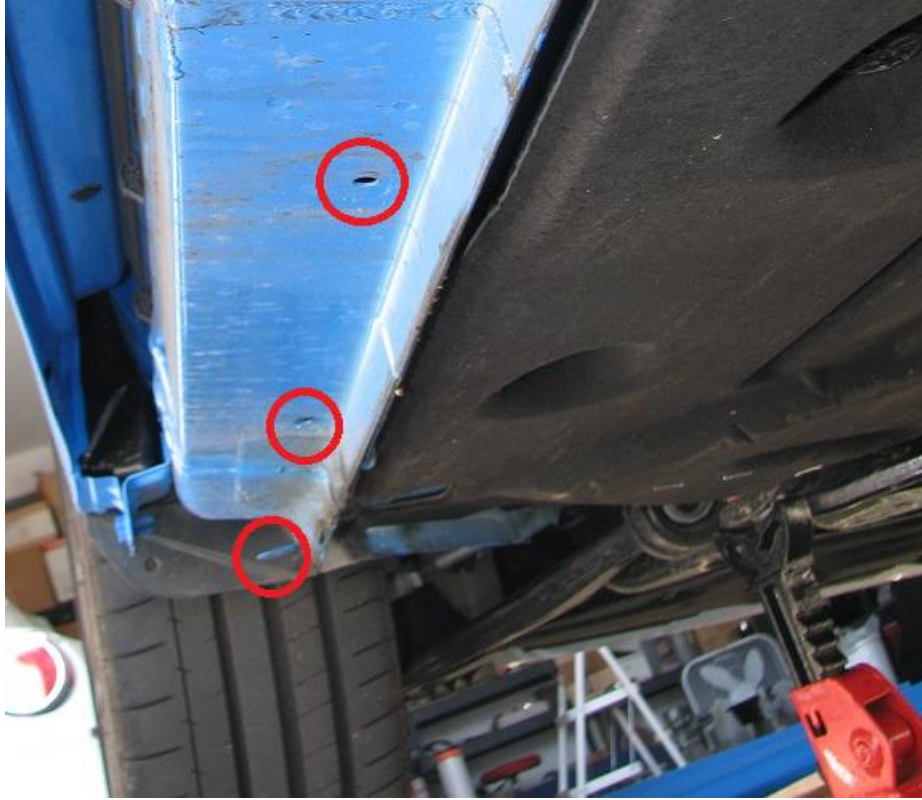


2.7. With the OEM side skirt off, we can access the (6) holes that we need to enlarge and install a rivet-nut. The plastic rivets were previously installed in these holes.



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

Ford Focus RS Side Splitter – Install Manual



- 2.8.** Using a step bit, enlarge these holes to **3/8"**. From our experience, a step bit drills through the hardened steel best, which is why we recommend this.



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

Ford Focus RS Side Splitter – Install Manual

- 2.9.** With all (6) holes drilled out, we can begin installing the rivet nuts.
- 2.10.** We recommend either coating the holes with touch-up paint, or install the rivet nuts with sealant to prevent rusting. Shown below is how we recommend using silicone during install to seal the bare aluminum to the rivet nut.



- 2.11.** To properly install the rivet nut, you'll want to thread the rivet nut onto the tool as shown below (different rivet nut is shown below).



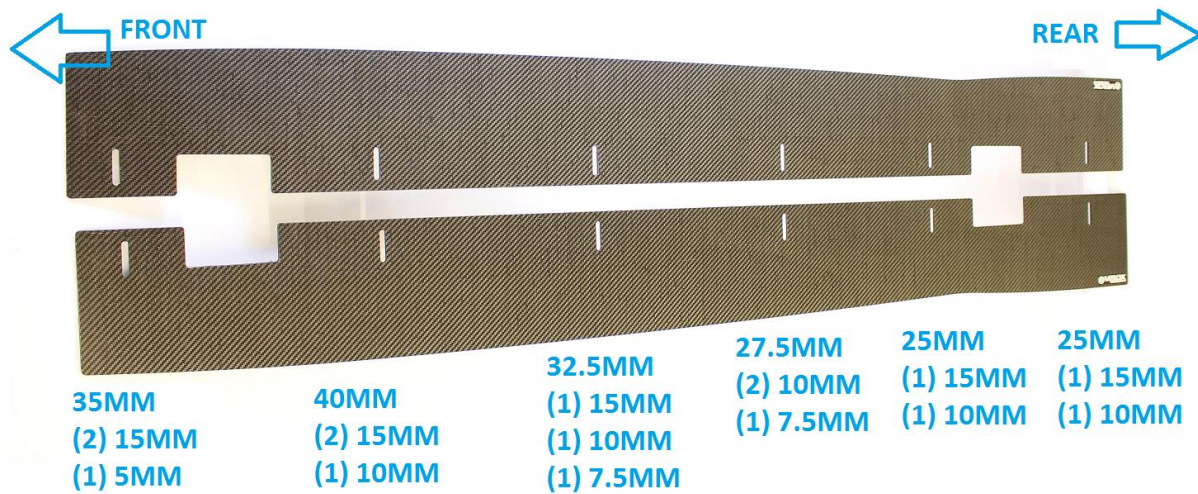
Confidential: Property of Verus Engineering. Not for Distribution outside intended recipient list.

Ford Focus RS Side Splitter – Install Manual

- 2.12. Using the 9/16” wrench and the 10mm socket, hold the nut steady with the wrench and tighten the 10mm bolt with a socket and ratchet. You will have some initial resistance, than the rivet nut will begin to pull tighter on the material.
- 2.13. ***Note: If the bolt becomes difficult to thread into the rivet nut, swap to a NEW bolt. Using cutting oil can help keep the nuts from gauling as well.**
- 2.14. Below is a picture of these units properly installed from the top and bottom.



- 2.15. Install the remaining (5) rivet-nuts in this same fashion.
- 2.16. Reinstall the OEM side skirt minus the (6) plastic rivet nuts on the bottom of the car.
- 2.17. Below is the “cheat sheet” for what spacers will typically be used and in what location. These spacers go on top of the side splitter and below the chassis for a near horizontal side splitter install.



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

Ford Focus RS Side Splitter – Install Manual

- 2.18.** Install the side splitters starting at the middle and moving to the front/rear. You can decide which side faces upward, logo'd side or non-logo'd side at this time.
- 2.19.** Adjust the side splitter to your desired look. The side splitter can adjust laterally by roughly an inch.



- 2.20.** With all bolts installed, tighten the bolts to approximately 80 inch-lbs of force.
- 2.21.** Lower the car back down and repeat the above steps for the other side of the car.
- 2.22.** Congratulations on finalizing the install of the Verus Engineering Focus RS side splitters. These side splitters reduce the amount of high pressure air that would otherwise go under the vehicle's body and create lift. Please contact us via e-mail with any questions, comments, and/or concerns via sales@verus-engineering.com.

Ford Focus RS Side Splitter – Install Manual



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