Mk3 Focus RS Front Splitter and Splitter Tie Kit

Install Manual

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Document Revisions

Rev	Date	Author	Description
01	2017/12/27	E.Hazen	Initial release of install manual

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Mk3 Focus Front Splitter and Splitter Rod Kit – Install Manual

1. Introduction

1.1. Overview: Detailed instructions on installing the front splitter and the support rods for the mk3 Ford Focus RS.

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1.3. Time Required: 3-4 hours

1.4. Tools Needed:

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1.4.2. Screwdriver
1.4.3. Flat head screwdriver
1.4.4. Drill
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1.4.6. Assorted allen wrenches
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1.4.8. 8mm Socket
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1.4.10. Side Cuts and Scissors

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2. Front Splitter Installation

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

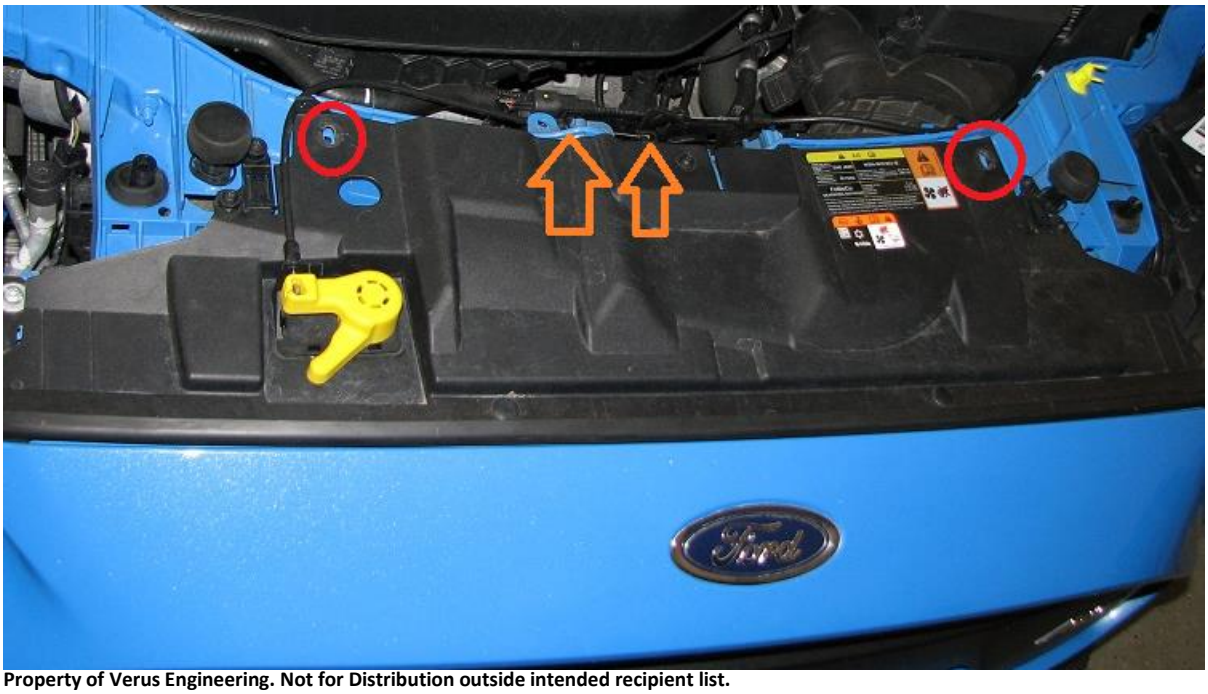
2.2. We begin by jacking the car up. You'll want to choke the rear wheels and use the e-brake. A lift is also acceptable.

2.3. Place a jack stand on either side of the car, you can use the frame rails or the pinch welds.

2.4. We need to remove the front bumper entirely, so we will begin the install with steps to remove the front bumper.

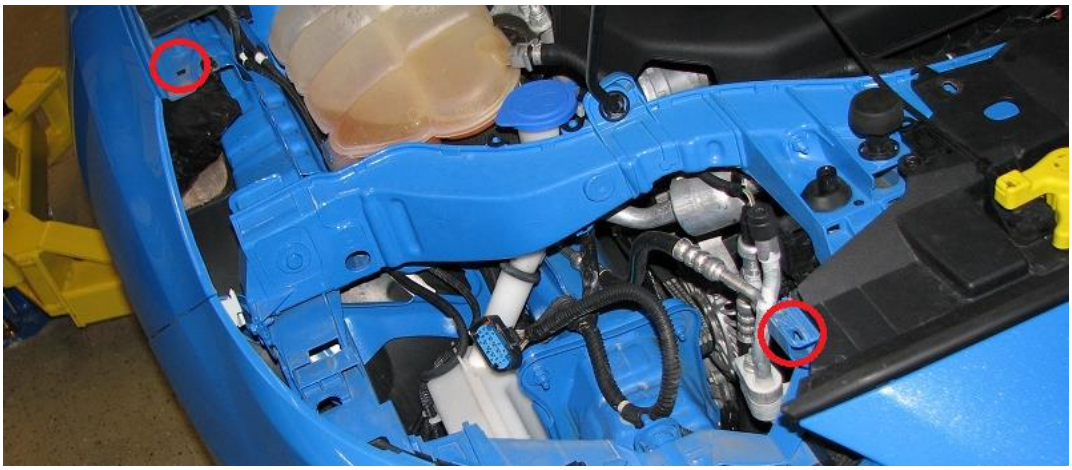
2.5. From the top side, we will begin removing components to remove the bumper.

2.6. Remove the two plastic rivets, circled in red. Also, unhook the hood latch from the latch mechanism and core support (orange triangles).

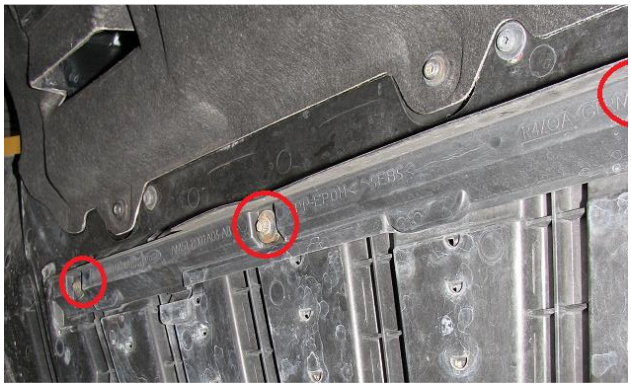


2.7. Remove the bolts located on the top, these are on both sides (yellow triangle).

2.8. Remove the headlights from the vehicle by removing the two bolts holding it in. These are circled in red below, but the headlight is already removed.

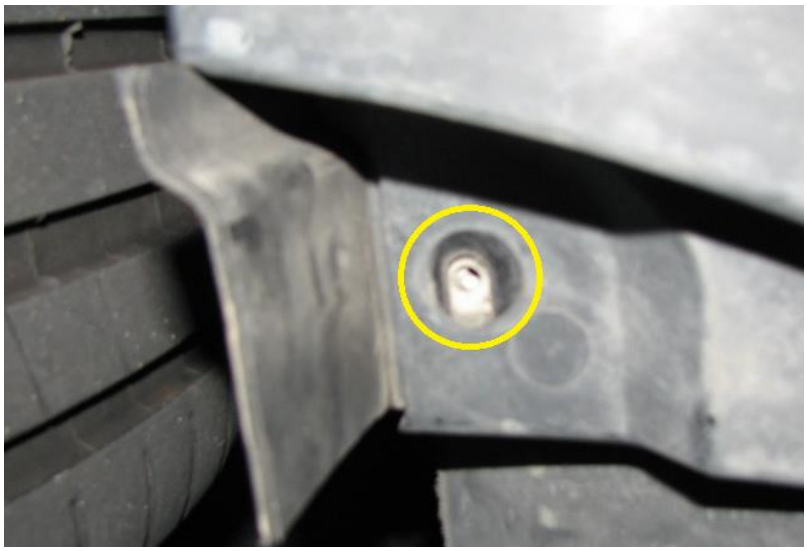


2.9. With the front of the car off the ground, we will want to start by removing the underbody plastic vertical piece. You remove this by unscrewing the (3) bolts circled in red below. This will be removed and left off.



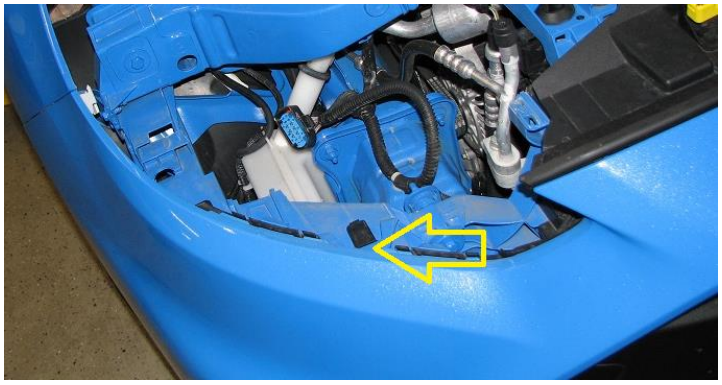
2.10. From below, we need to remove the plastic screws, circled in the below image.

2.11. Near the front of the front tire, there is a bolt on the bottom of the front bumper. This is circled below, and above, in yellow and should be a torx.

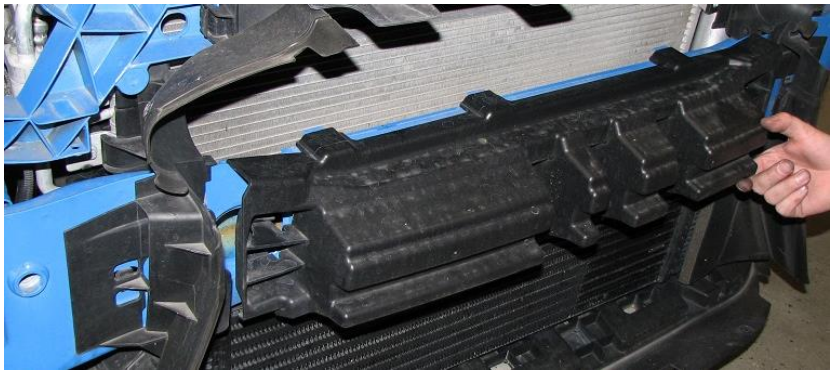


2.12. Moving rearward, into the fender, we have to remove (2) plastic rivets. These are circled below in red.

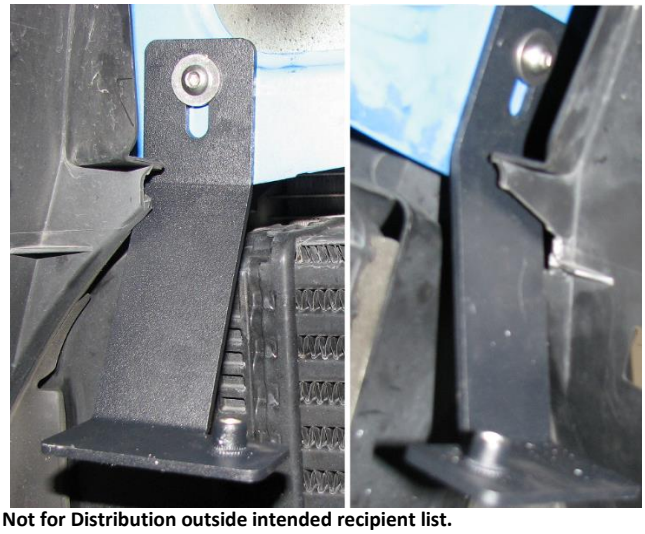
2.13. At this point, the front bumper should be able to be removed completely from the vehicle. There are two clips under the headlights that you will need to pull up on (yellow arrow below) and then pull the bumper forward and off.

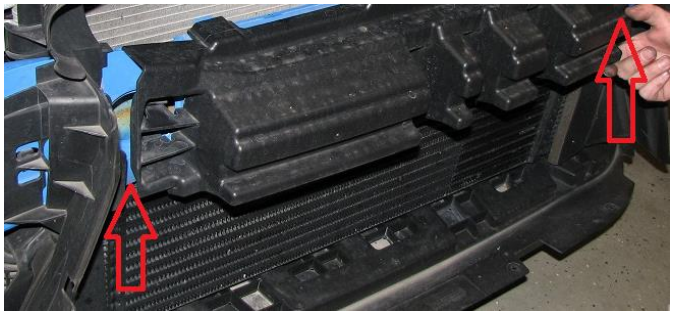


2.14. This is what the vehicle looks like without the front bumper on.

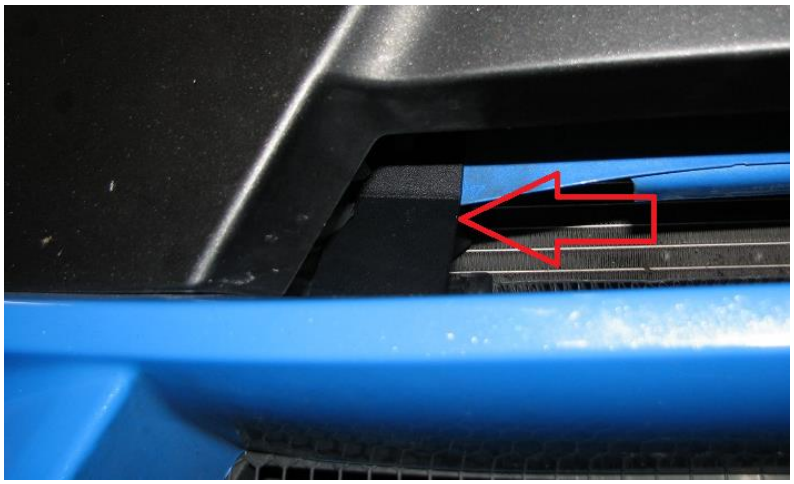


2.15. Next, we find the holes we're going to use to install the core support brackets. These are located on either side of the black piece in the picture above.



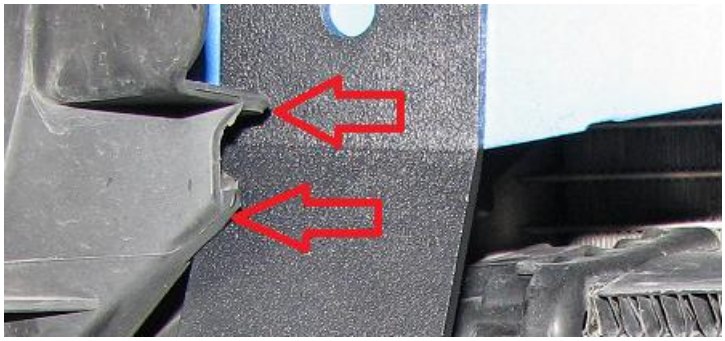


2.16. Below is an image of where the bracket will sit with the bumper installed. You will just barely see the brackets when installed.

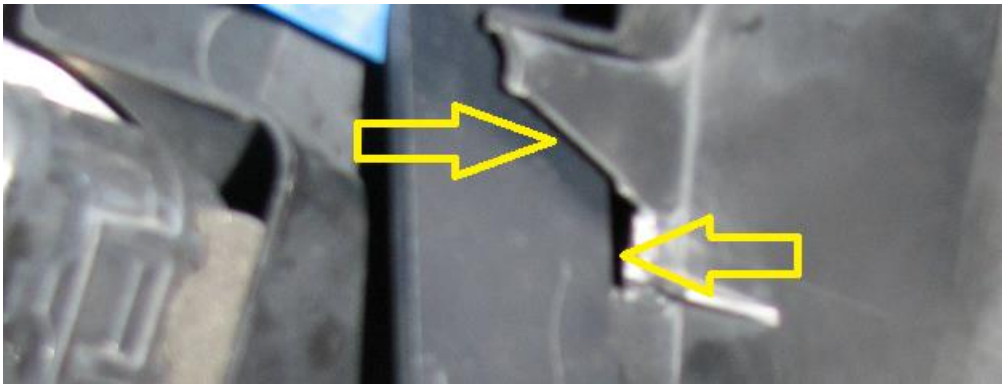


2.17. Install these brackets with a M6 x 20mm BHCS and fender washer on the front side, and a serrated nut on the back side.

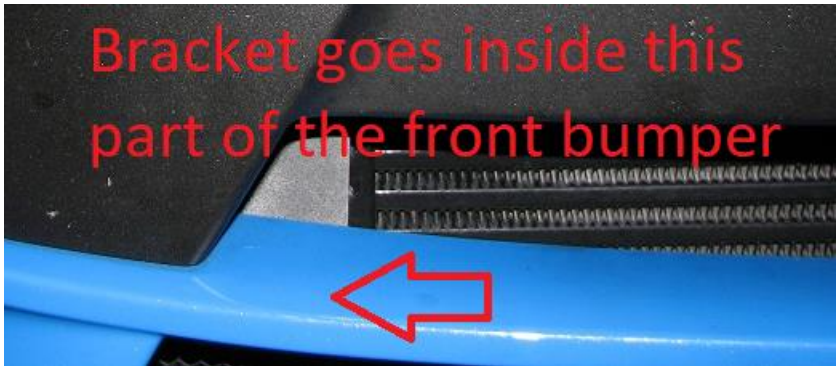
2.18. The radiator shrouding on either side needs slight trimming. Below is the passenger side showing the plastic being trimmed.



2.19. Below is the driver side showing the plastic being trimmed.



2.20. With the core support brackets fully installed, we can begin working on re-installing the front bumper. The important thing to note is that the bracket's rivet nut location goes **INTO** the front bumper's cut out. This is shown below.



2.21. Loosely re-install the front bumper as we will begin making a few holes in the front bumper. Estimate the location of the rivet-nut on the bracket. Using a bolt in the bracket, you can use the bolt head to estimate the location of the rivet nut by feeling for the head of the bolt through the bumper.

2.22. Using a center punch or un-used tap, center punch this location and drill it with a ¼ drill bit.

2.23. If the hole was located correctly, you'll be able to open up the hole a little larger and thread an M6 bolt through the hole. If not, use a dremel or drill and drill bit to properly locate the hole. The clevis that goes here has a large footprint and will cover up most mistakes.

2.24. Utilizing the low profile socket head cap screw, which are 25mm long, install the clevis that are through drilled onto the bumper and into the bracket.

2.25. Do not fully tighten the clevis yet, just loosely install the clevis.

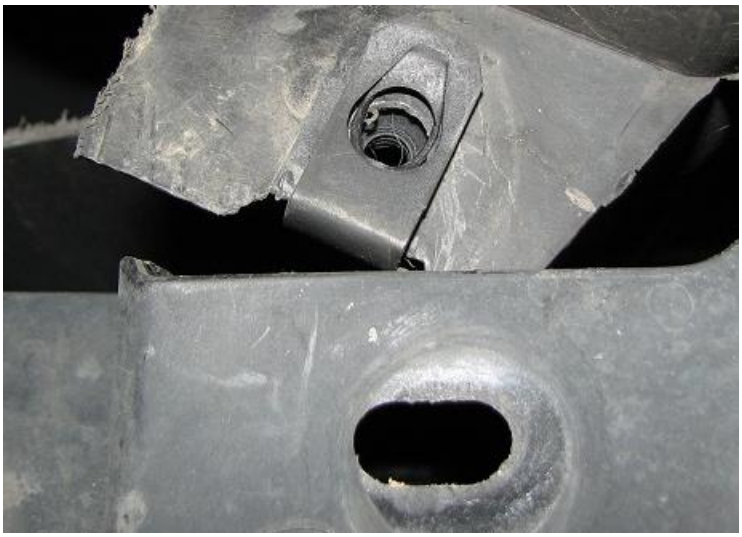
2.26. Once you are happy with the install of the clevis on the bumper and to the crash beam mounts, you can fully re-install the front bumper. Keep the bottom bolts/rivets out of the front bumper initially.

2.27. In the wheel well, remove the torx bit circled in the below image.

2.28. From below, pull the fender liner rearward to expose the factory clip-on nut.

2.29. Remove this clip with a screw driver or needle nose plyers.

2.30. Install one of our supplied M6x1.0 clip-on nuts.



2.31. Reinstall the torx bit on the front of the fender liner (in front of the front wheel).

2.32. Locate the other (4) locations that we will install the clip-on nuts. Two of these locations are shown below.

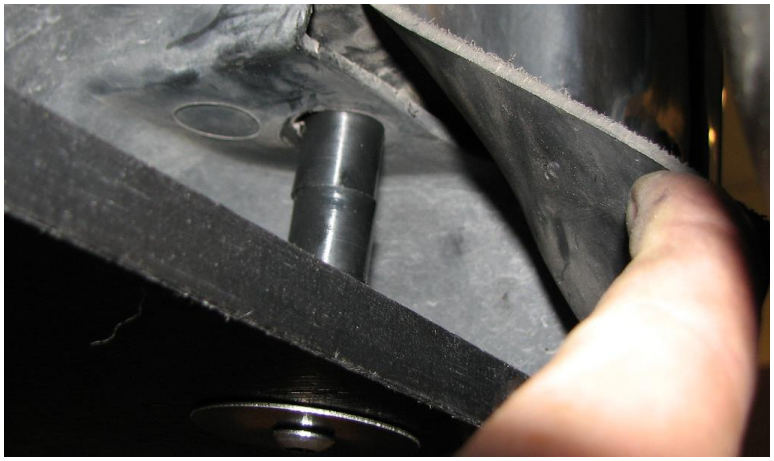
2.33. Install the clip on nuts as shown below. The clip on nuts should go on the bumper, not the black plastic lip.

2.34. At this point, the splitter is ready to install onto the Focus RS with the supplied bolts. At first, leave all bolts loosely installed.

2.35. We can start with the (4) front bumper bolts that go into the bumper clips we just installed. **Utilize the 35mm long BHCS bolts and large washer.**

2.36. Loosely install the rear (3) bolts and washers. These are the M5 x 60mm Long BHCS. On the top side of the splitter, we will want to install (2) of the nylon spacers on each bolt location.

2.37. The last bolts to be installed are the rear outside-most bolts. These are the 80mm long M6 BHCS. Utilize (3) spacers on each side on the top of the splitter, this is shown below.

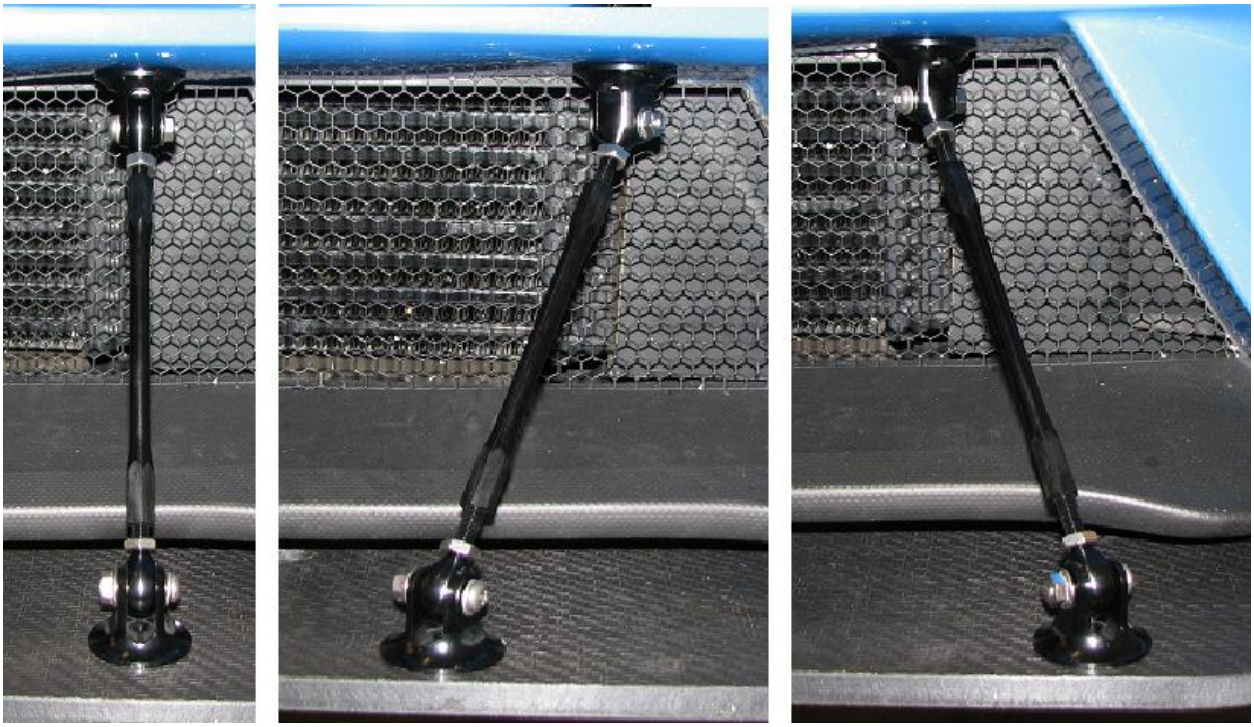


2.38. With all the bolts loosely installed, we can fully tighten all these bolts. The units going into the clip-on nuts will have resistance due to the locking style of threads. Final tightening torque is 8 ft-lbs.

2.39. The final step of installing the front splitter is attaching the splitter rods to the front splitter.

2.40. Loosely install the assembled splitter rod on the top clevis previously installed. Utilize an M6 x 25mm long BHCS and a small washer on one side, and a serrated nut on the other.

2.41. You can install the splitter rod at various angles. This is shown below. We ultimately decided to install it straight on (left image).



2.42. Once you figure out the location you want to install the splitter support rods, mark this location and with a drill and drill bit, drill through the splitter.

2.43. Remove the splitter rod again.

2.44. Fully tighten the top clevis at the desired location for the angle chosen in step 2.41.

2.45. Re-install the splitter support rods.

2.46. Using the 25mm long M6 BHCS, attach the bottom clevis to the splitter.

2.47. Install the splitter support rod to the bottom clevis.

2.48. Fully tighten the support rod bolts and locking nuts on the splitter tie rod.

2.49. **Ensure all bolts are tightened and the bumper is fully installed as well.**

2.50. Congratulations on installing the Verus Motorsports carbon thermoplastic front splitter!

2.51. Please contact Verus Engineering with any questions, comments, concerns, and feedback via sales@verus-engineering.com.