



GrimmSpeed Install Guide Series
Installing the GrimmSpeed BRZ/FR-S Hood Strut Kit
Updated 1/17/13

Introduction: This guide will illustrate the installation of the GrimmSpeed BRZ/FRS Hood Strut Kit. The difficulty here is relatively low, so take your time and enjoy the job!

Tools: The tools listed below are suggested for this task (figure 1). Optional tools are noted.

- 1/2in wrench
- 13mm wrench
- 10mm, 12mm, 13mm sockets
- Ratchet and extension



Figure 1: Tools

Tips: Deep well sockets aren't required, but act like an extra extension, which can make the install a bit easier.

Procedure:

1. Begin by collecting your tools and popping your hood. This'll be quick!

2. Prop your hood open using your OEM hood prop. A second set of hands can help make 'hood management' a little easier.
3. Collect the parts to your GrimmSpeed Hood Strut kit and separate into the driver and passenger sides. Use the figure below to determine which brackets go together.



Figure 2: Included hardware



Figure 3: Assembled tensioner

4. Next, install the rubber bumper through the back of the longer bracket as seen below.



Figure 5: Installing rubber bumper

5. Now we'll begin by bolting the strut itself to the upper bracket. Use a 13mm wrench on the ball stud and a 1/2in wrench on the nut.

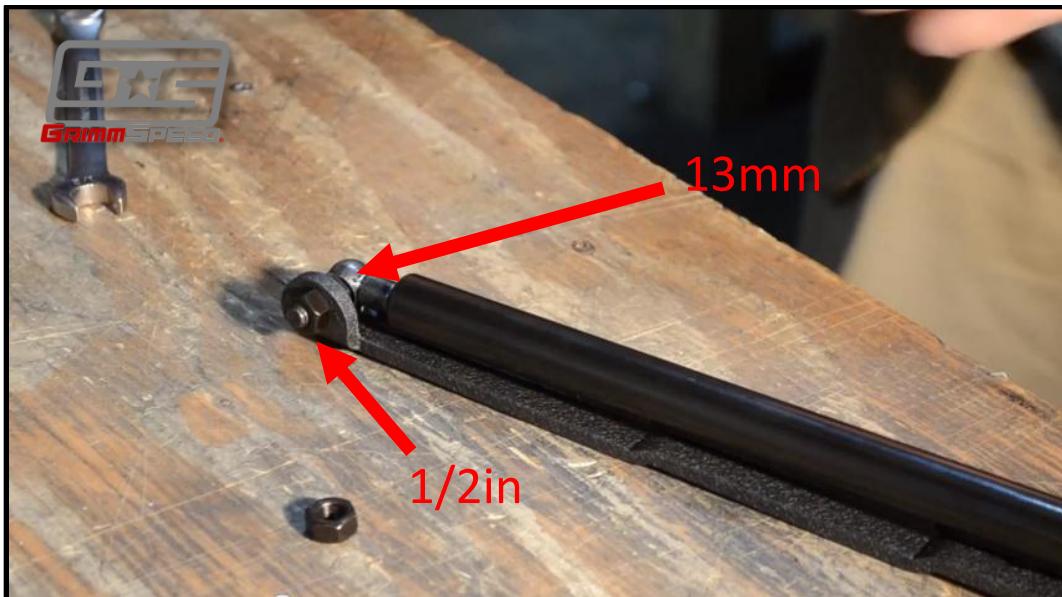


Figure 6: Attach upper bracket

6. Next, bolt the strut to the lower bracket. Take care to make sure that you're using the correct lower bracket. We matched them up properly in step 3. Once again, use a 13mm wrench on the ball stud and a 1/2in wrench on the nut.

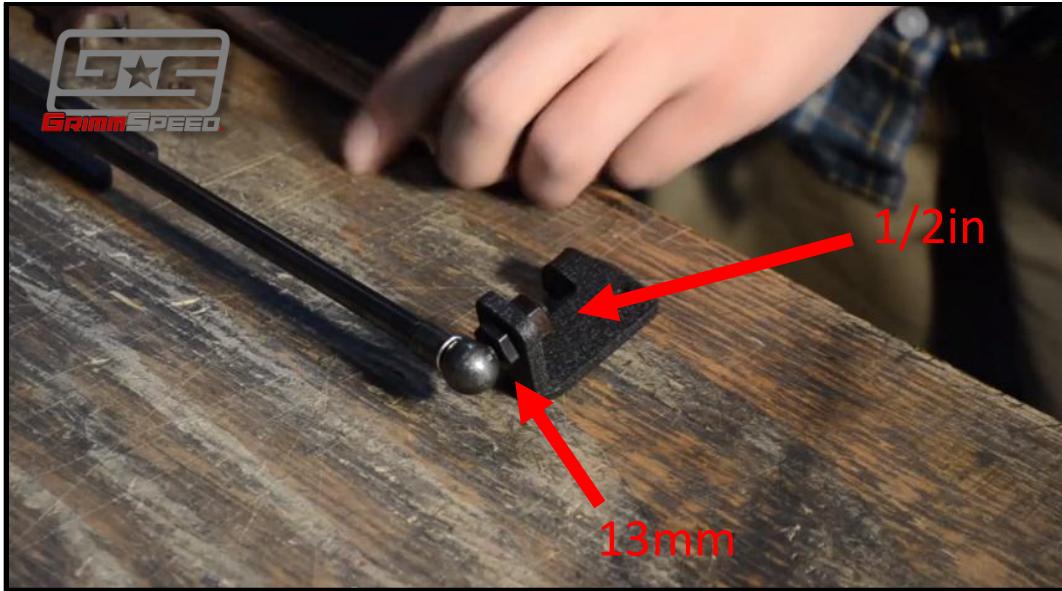


Figure 7: Attach lower bracket

7. Begin installation by removing the bolt for the lower bracket. Set it aside, as we'll be reusing it.

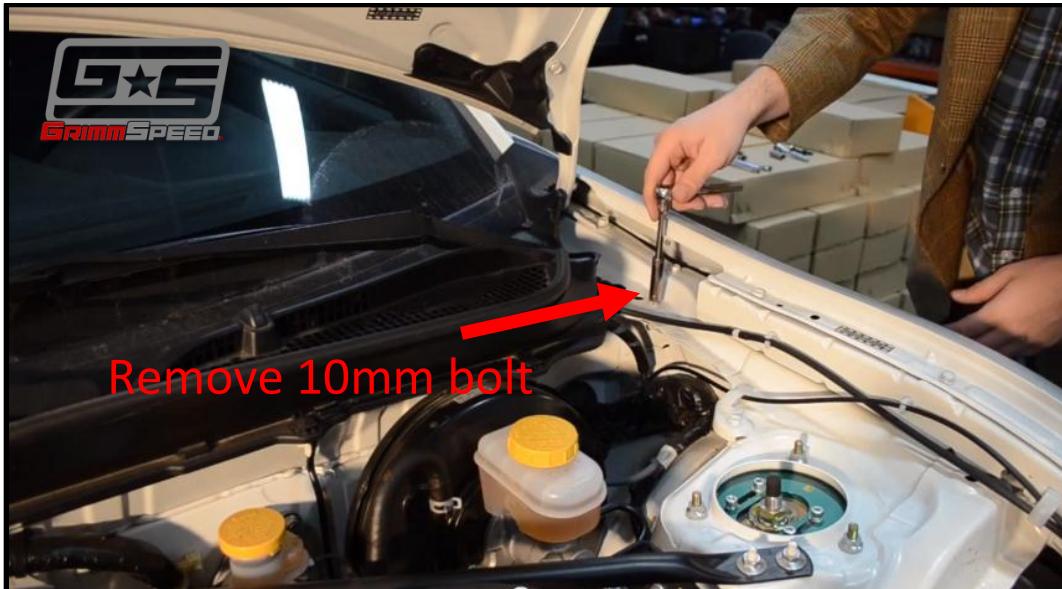


Figure 9: Remove lower bolt

8. We'll install the upper bracket first. Remove the OEM bolt and replace it with one of the bolts from our kit. Do not install it all the way, as you'll need to slip the bracket onto it.

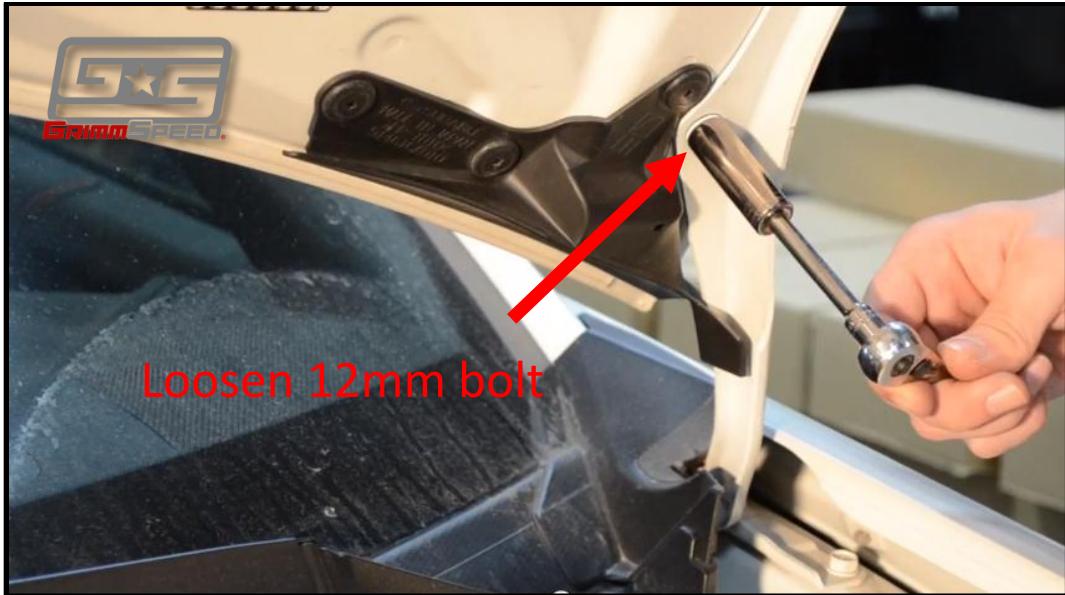


Figure 10: Loosen lower hood hinge bolt.



Figure 11: Install lower hood hinge bolt.

9. Next, remove the upper hood hinge bolt using your 12mm socket. Support the hood with your opposite hand until you have the hood strut installed. You may prefer to get an extra set of hands to help you out here. Now, slip the upper bracket into place and use the second large black bolt to reattach the hood. Take care not to cross-thread the threads in the hood. **The tab on the upper bracket should be towards the inside of the vehicle, so that you can see the ball from the side of the car.**

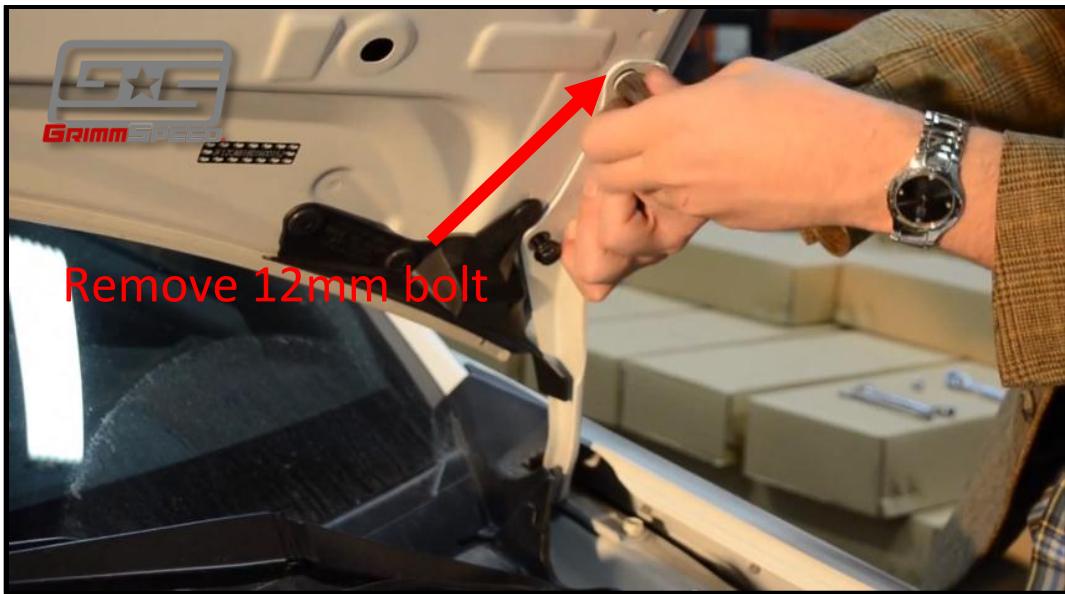


Figure 12: Remove upper hood hinge bolt.

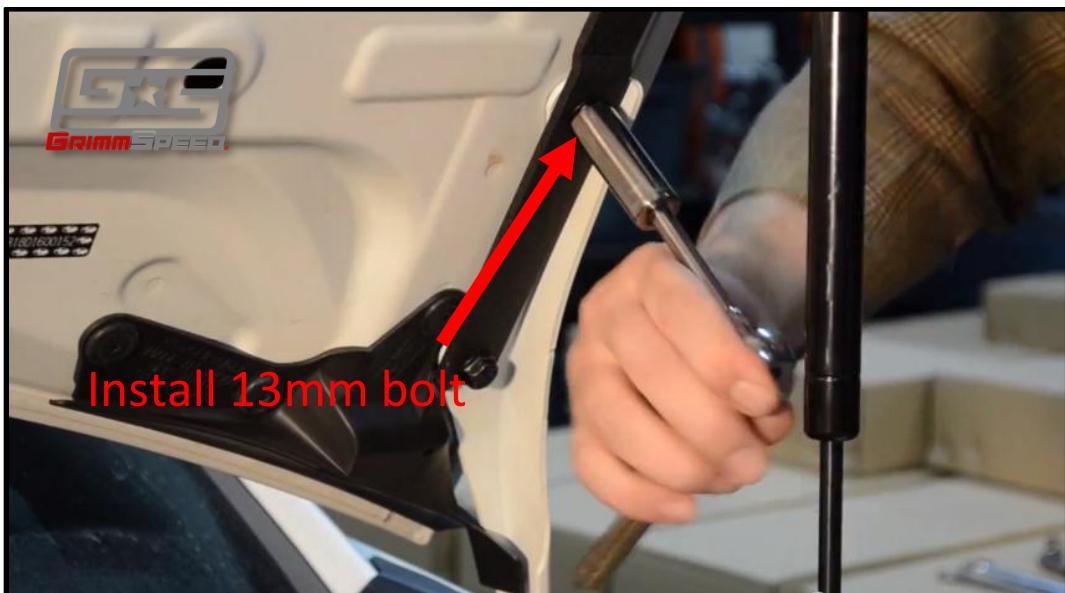


Figure 12: Install upper bracket.

10. Lastly, tighten the lower 13mm bolt.



Figure 13: Loosen lower hood hinge bolt.

11. Next, maneuver the lower bracket into place. If you assembled things correctly, the through hole should line up with the threaded chassis hole and the tab should slip into a hole in the chassis. Reinstall the stock 10mm bolt as shown.

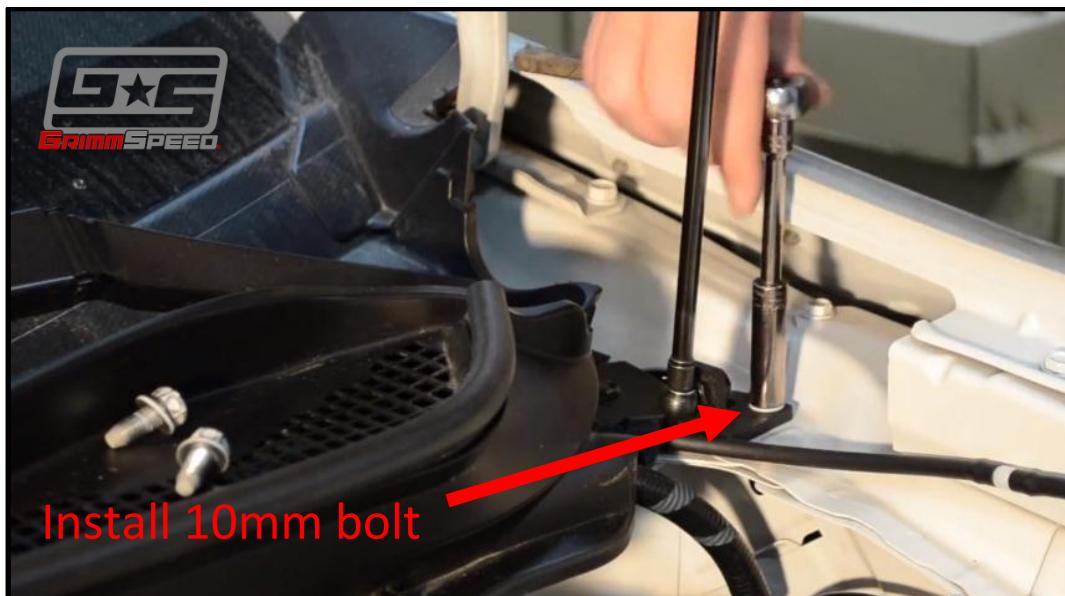


Figure 14: Install lower bracket.

12. Repeat this process on the opposite side and you should be good to go!

That's it! You should be all set to go.