

TEQSPORT 86 REAR SUBFRAME BUSHING INSERTS INSTALLATION MANUAL



This Installation Manual is intended for the following models:	
2013-2020	Subaru BRZ
2022+	Subaru BRZ
2012-2016	Scion FRS
2017-2021	Toyota GT86
2022+	Toyota GR86

PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the TEQSPORT 86 Rear Subframe Bushing Inserts, consult with a Professional Mechanic, or contact TEQSPORT for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	2	Front Upper Bushing Insert
2	2	Rear Upper Bushing Insert
3	4	Lower Bushing Insert
4	1	Bushing Grease

TOOLS REQUIRED:

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- Assorted Metric Wrenches
- Assorted Metric Sockets
- Torque Wrench

SAFETY REQUIREMENTS:

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always turn the ignition to the OFF position and disconnect the NEGATIVE battery terminal.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Only operate drivetrain in a safe space and well-ventilated areas.

BEFORE YOU BEGIN:

Remove contents from the TEQSPORT 86 Rear Subframe Bushing Inserts and verify that ALL necessary hardware is present.

PROCEDURE:

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Locate the proper jacking points on the vehicle's chassis (refer to the vehicle's Owner's Manual). Raise and support the vehicle using a jack and jack stands.
3. Depending on your exhaust setup, you may need to remove the rear section of the exhaust for clearance when lowering the Subframe.
4. Support the rear of the Subframe with a jack. *Figure 1.*



Figure 1

5. Remove the (2) two Rear Subframe Mounting Bolts and the (2) two washers underneath. *Figure 2.*

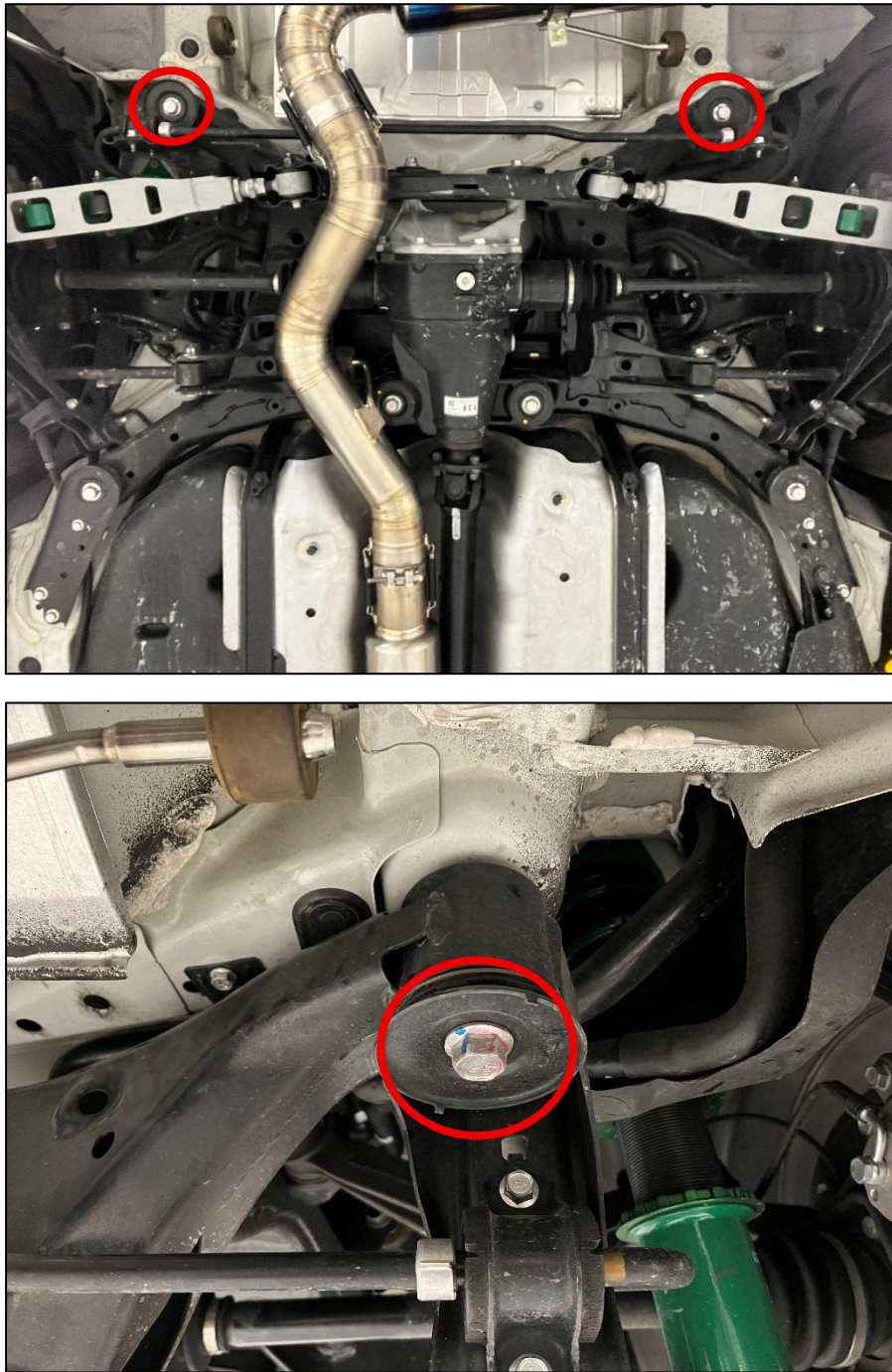


Figure 2

6. Slowly lower the jack to lower the rear of the Subframe. The Subframe only needs to be lowered enough to slide the Upper Bushing Insert in. *Figure 3.*



Figure 3

7. Locate the (2) two Rear Upper Bushing Inserts and the included grease. The Rear Upper Bushings are noted below. Apply a small amount of grease to the inside diameter and side facing the Subframe. *Figure 4.*

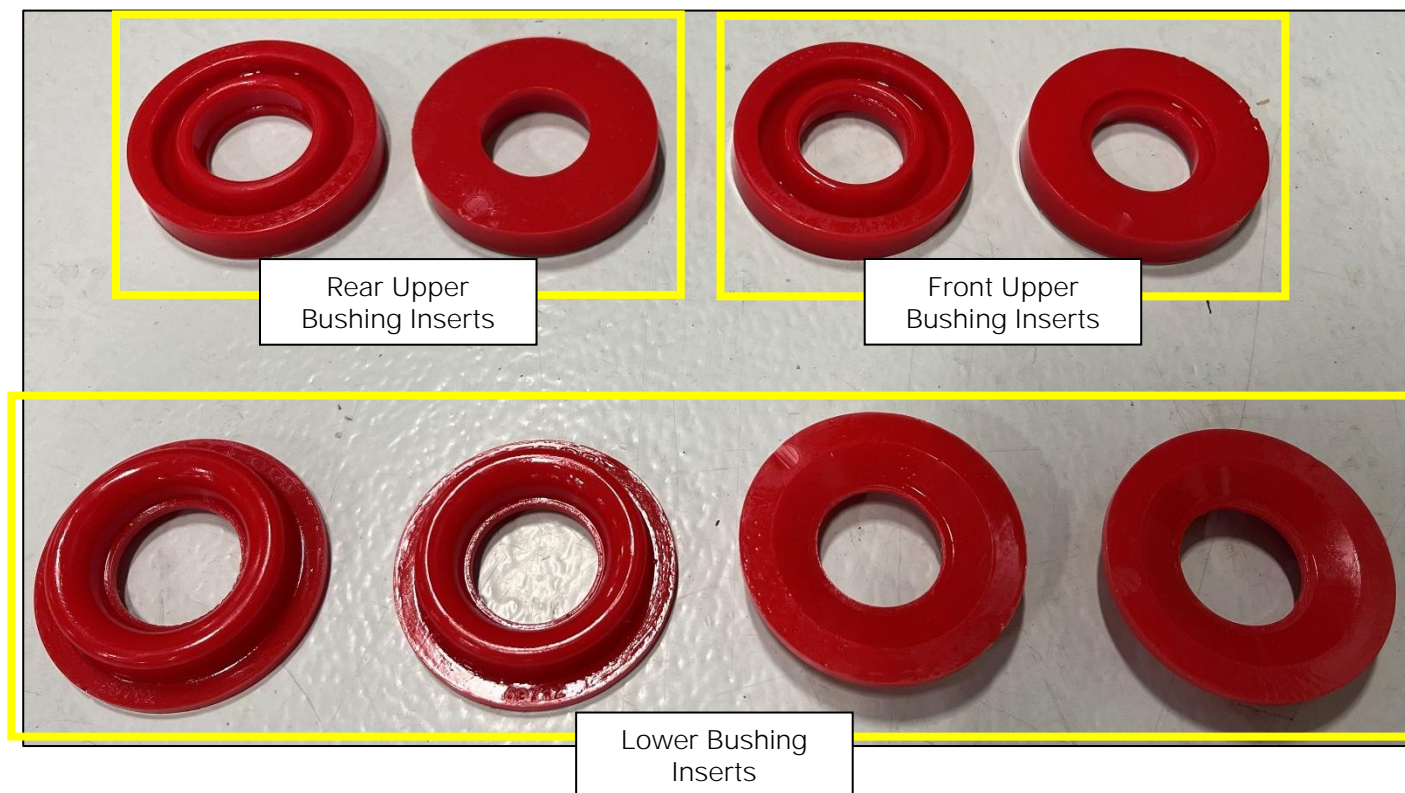


Figure 4

8. Install the Rear Upper Bushing Inserts on top of the Rear Subframe Bushings. The Flat surface of the Insert will face upwards, make sure they are centered and properly seated in the Subframe. *Figure 5.*



Figure 5

9. Raise the jack to reposition the Rear Subframe back to the vehicle.
10. Locate (2) two Rear Lower Bushing Inserts. Apply a small amount of grease to Inserts on the inside diameter and around the lip of the Insert. *Figure 6.*

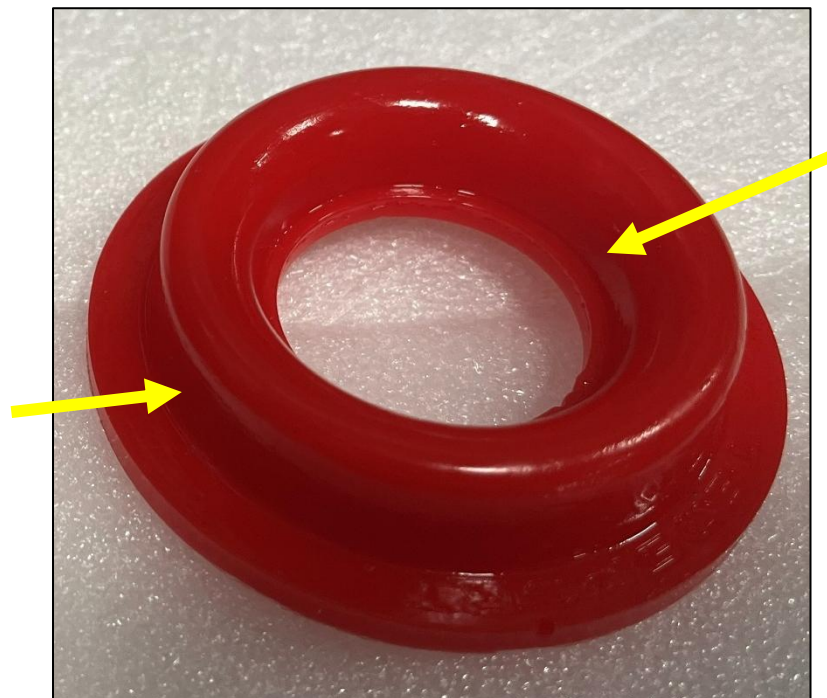


Figure 6

11. Install the Rear Lower Bushing Inserts onto the bottom of the Rear Subframe Bushings. The Flat Side of the Insert will be facing downwards, make sure they are centered and seated properly. *Figure 7.*
12. Reinstall the Rear Subframe Bolts and Washers to secure the Subframe. Be careful not to cross-thread the bolts when reinstalling. Do not fully tighten these bolts yet. *Figure 7.*



Figure 7

13. Move the jack to support the front of the Differential. *Figure 8.*



Figure 8

14. Remove the (3) three bolts and the plastic tab securing the Subframe Support to the vehicle, but do not remove the Subframe Mounting Bolts yet. *Figure 9.*



Figure 9

15. Remove the (2) two Front Subframe Mounting Bolts and the (2) two washers underneath. *Figure 10.*

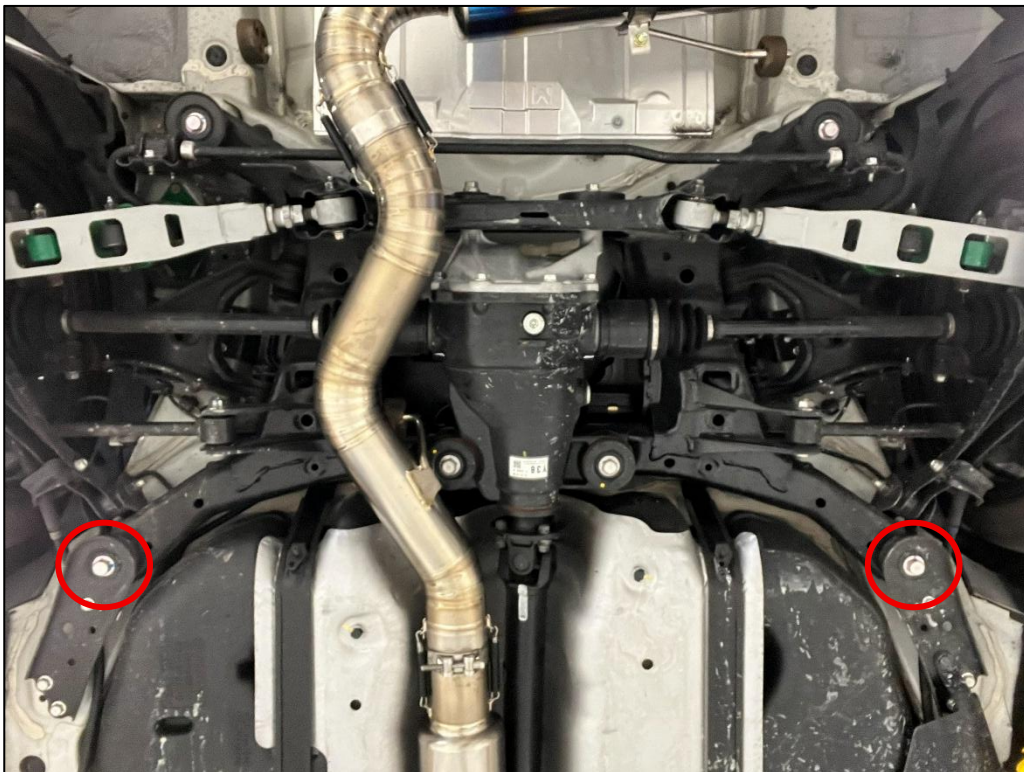


Figure 10

16. Slowly lower the jack to lower the front of the Rear Subframe. The Subframe only needs to be low enough to slip the Inserts into the Subframe.
17. Remove the OE Washer from the top of the Front Subframe Mount.
18. Locate the (2) two Front Upper Bushing Inserts. Apply a small amount of grease to the Inserts. After greasing, install them into the OE Washer removed in Step 17. There is a ridge on the OE Washer that will sit inside of the Insert. *Figure 11.*



Figure 11

19. Install the Front Upper Bushings onto the top of the Rear Subframe Bushings. Make sure they are centered and seated correctly. *Figure 12.*



Figure 12

20. Raise the jack to reposition the Rear Subframe back to the vehicle.

21. Locate the Subframe Support, OE Subframe Bolt and (1) one Lower Subframe Bushing Insert. Place the Bushing on the top of the Subframe Support and install the Subframe Bolt from the bottom, the flat surface of the Bushing should face the bottom of the vehicle. *Figure 13.*



Figure 13

22. Loosely install the Subframe Supports assembly back into the vehicle. Make sure not to cross-thread the Subframe Bolt when installing. *Figure 14.*

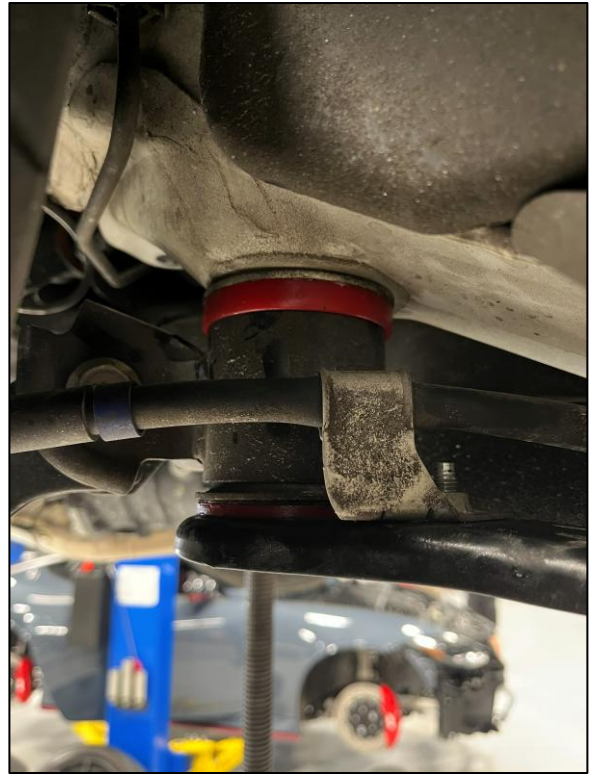


Figure 14

23. Reinstall the Bolts removed in *Step 14*. Make sure to re-secure the E-Brake Bracket on top of the Subframe Support. *Figure 14.*

24. Torque all (4) four Subframe Mounting Bolts to 72 ft-lbs.

25. Safely remove the vehicle from jack stands.

END

Additional Technical Support:
Contact TEQSPORT at info@teqsport.com
Or call 770-832-7184 between 9am and 6pm ET