

MK4 Subframe Bushings Installation Instructions

Parts List

4x TyrolSport Subframe Bushings

2x M14x 1.50 95mm bolts (optional)

2x M14 x 1.50 63mm bolts (optional)

Tools Recommended

21mm socket/ratchet

16mm socket/ratchet

13mm Socket/ ratchet

TyrolSport Bushing installation tool

Grease/ anti-seize compound

Thank you for purchasing our TyrolSport Subframe Bushing Kit.

1. To prepare to install your new TyrolSport Bushing you will have to Place your car on jack stands and remove the front wheels. This will minimize the weight on your subframe, in turn making it easier to lower. Also keep in mind you will be lowering the front subframe so you will have to secure the jack stands on the chassis of your car.

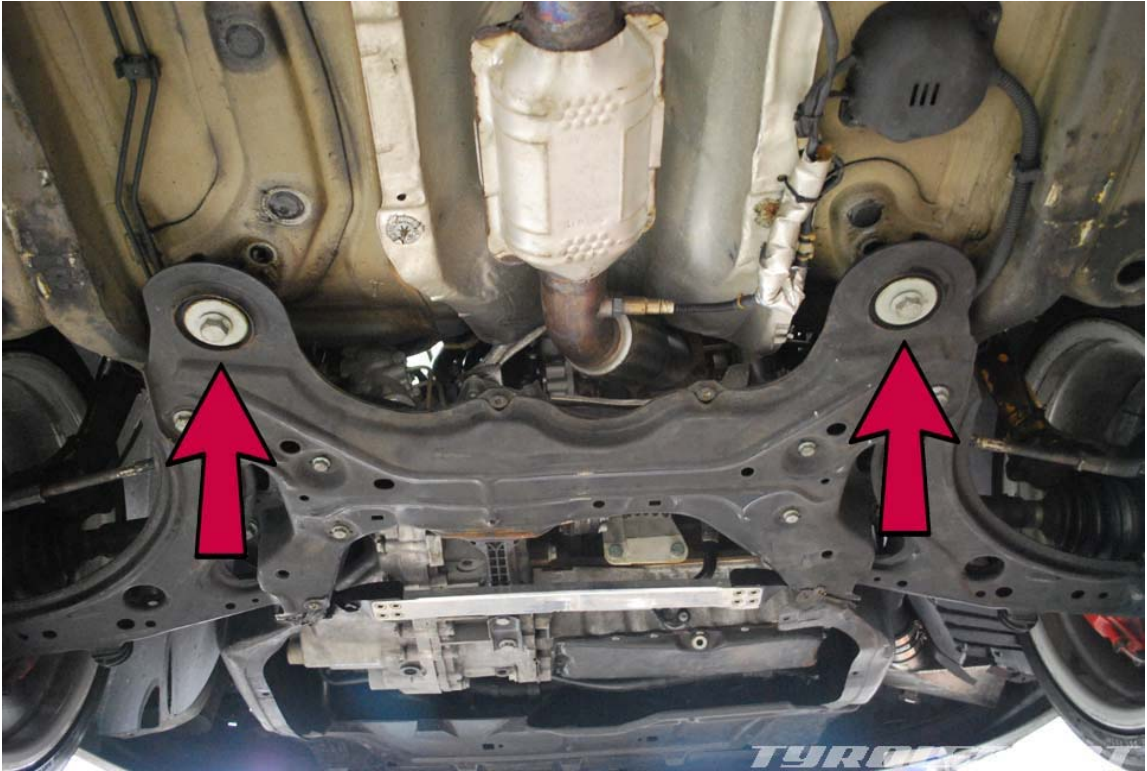
2. Once your car is safely secured with the front wheels removed, work can begin. Remove the four 13mm bolts which hold the steering rack in place.



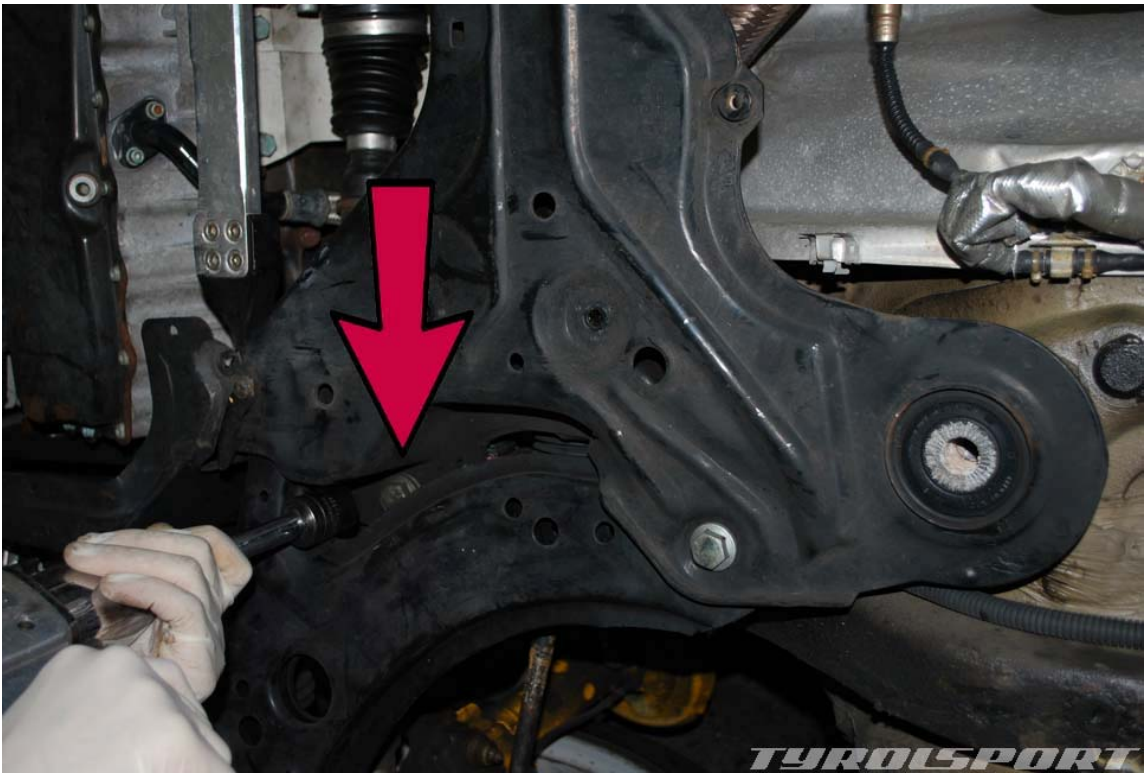
3. Remove the “lower dog-bone” engine mount



4. You will then remove the two 21mm bolts which hold the rear of the subframe.



5. Next remove the two 21mm bolts which hold the front of the subframe.



6. The stock subframe bushings can now be removed. Place the TyrolSport installation tool on top of the subframe between the chassis and the subframe as shown. This will pull the bushing out of the subframe.





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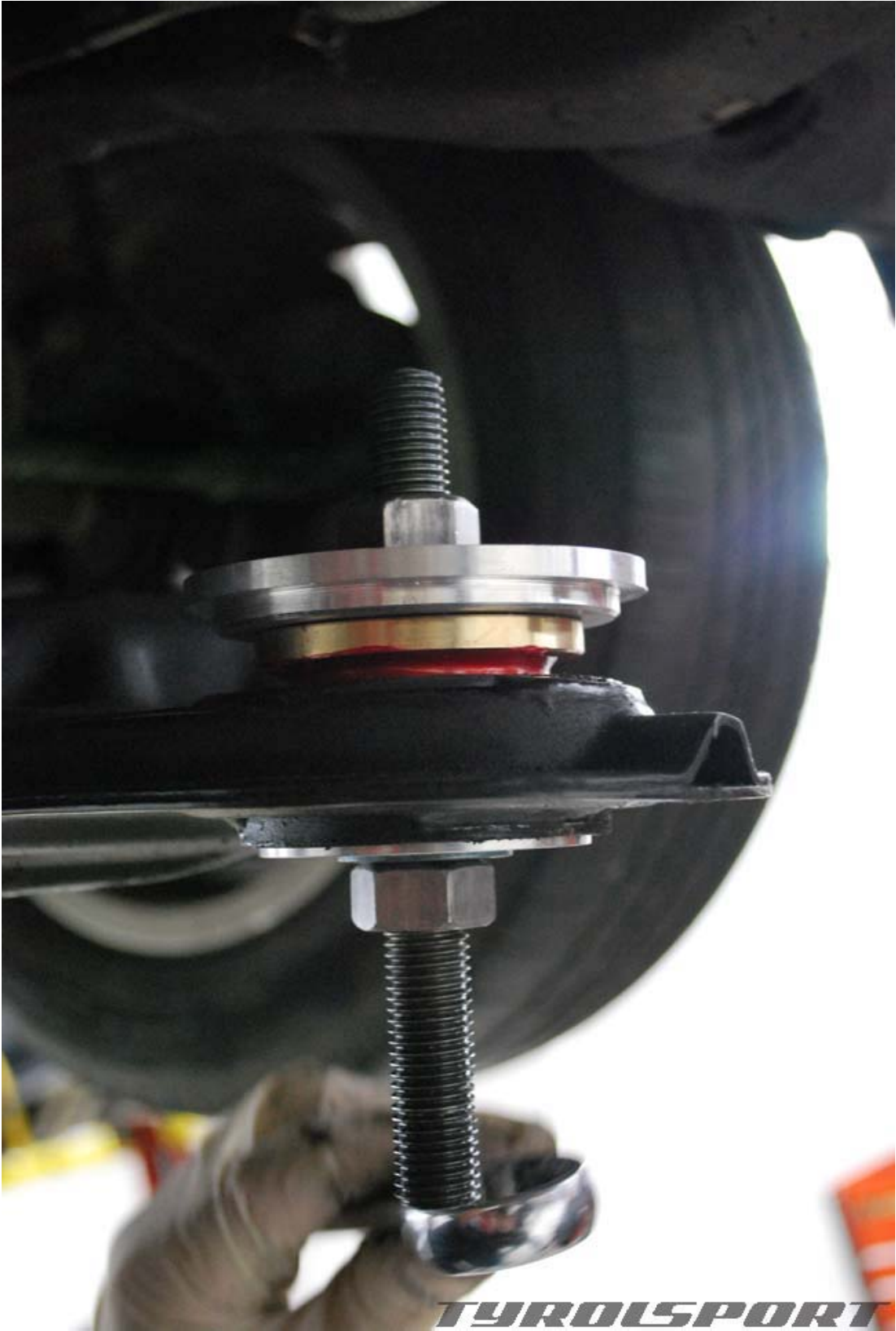


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7. Once the bushing is removed, you can clean the surface area. Apply grease liberally to the bushing as shown.



8. The new TyrolSport bushings can now be installed. The bushings can be pressed in with the supplied tool. Press the top bushing first followed by the bottom bushing. Please make sure the bushings presses in flush with the subframe.



9. Anti-seize compound is applied to the bushing



10. After the bushings are installed, the subframe can be reassembled. It is recommended to use new bolts.



11. Tightening torques for the rear subframe bolts are as follows:
 - “Dog bone” mount torque specs are 20nm (15 ft-lbs) for the two 13mm to the subframe.
 - The center bolt is tightened to 40nm (30 ft-lbs).
 - For the front bolt, from mount to transmission, the torque spec is 40nm (30 ft lbs) (Page 40-3 from MK4 Bentley manual for diagram)
 - The front and rear subframe bolts are tightened to 100nm (74 ft-lbs) plus 90 degrees.
 - The power steering rack bolts are tightened to 20nm (15 ft-lbs) plus 90 degrees. Page 48-15 from Bentley manual for diagram.



12. The wheel bolts are torque to 90 Ft-lbs. Enjoy sharpened road feel and steering response!