

Installation Instructions

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USA Tech Support 800-507-2338 ext. 114



ANTI-ROLL KIT: E40-20-057-01-01

Vehicle BMW G80/82/87 M Series

Notes

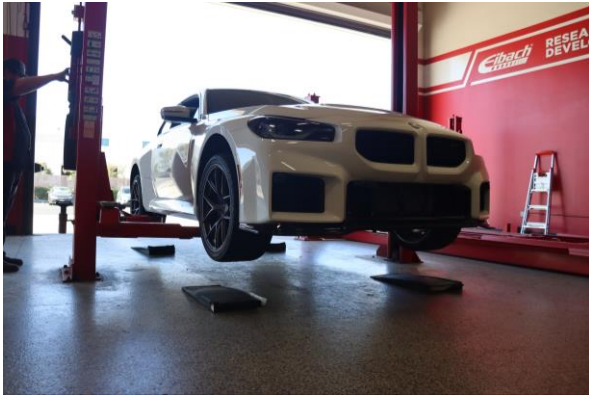
Kit Contents

Description	Part Number	Quantity
REAR SWAY BAR	AS41-20-057-01-RA	1
SWAY BAR BUSHING	UB0573	2

Installation Notes

Read all instructions before beginning installation

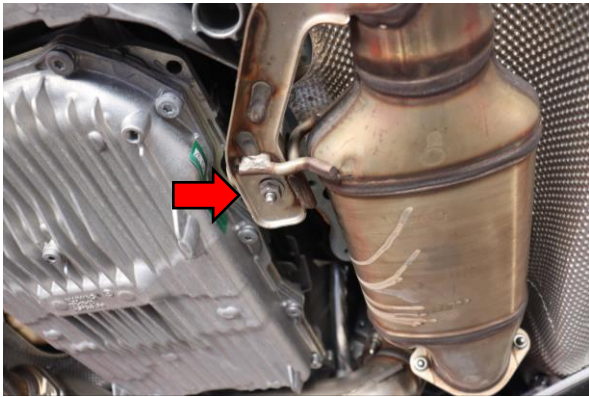
- Only qualified mechanics experienced in the installation and removal of suspension components should perform this installation.
- Use of a hoist and screw jack is highly recommended and will substantially reduce installation time.
- Never work on or under a vehicle unless it is properly supported by safety stands and wheels are blocked.
- Never use impact wrenches or impact guns to install or remove shock absorber piston components, shafts and Piston rod nuts.
- All Eibach springs should be installed with the Eibach logo right-side-up.
- After Installation, inspect and adjust the following: Wheel Alignment; tire/wheel fender clearance when using aftermarket wheels or tires; brake line clearance and attachments; anti-lock-brake system sensors.



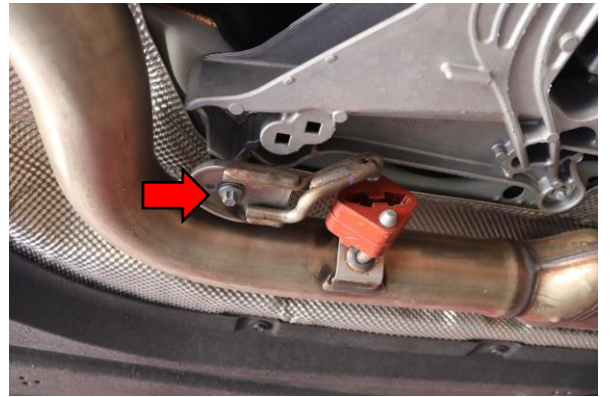
Step 1. Lift and support vehicle. **NOTE: Never work under a vehicle that is not properly supported.**



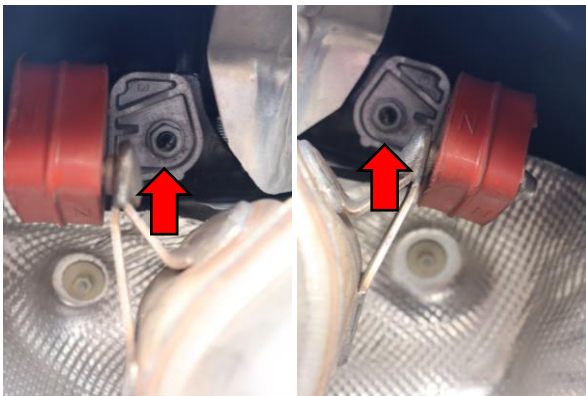
Step 2. Remove both rear wheels using a 17mm.



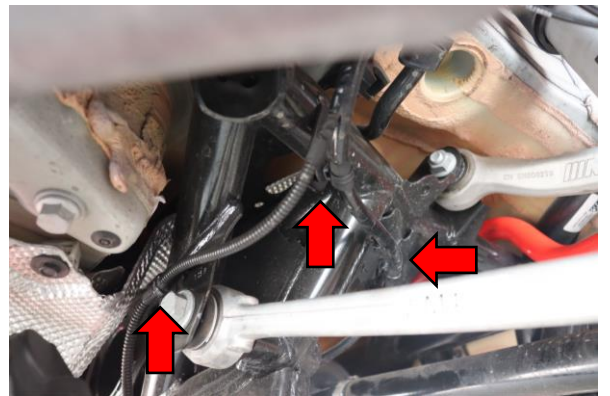
Step 3. Remove the exhaust hanger nut from right side of transmission using a 13mm.



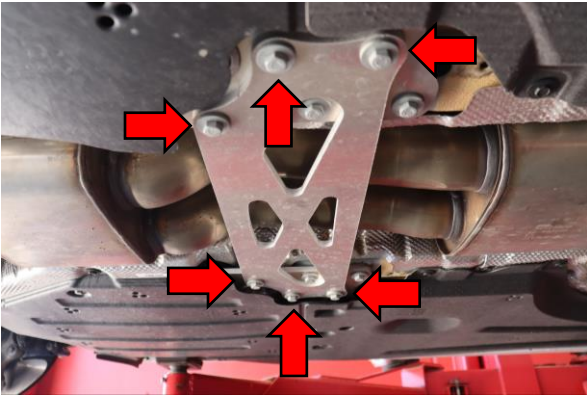
Step 4. Remove the exhaust hanger bolt from left side of transmission using an E12.



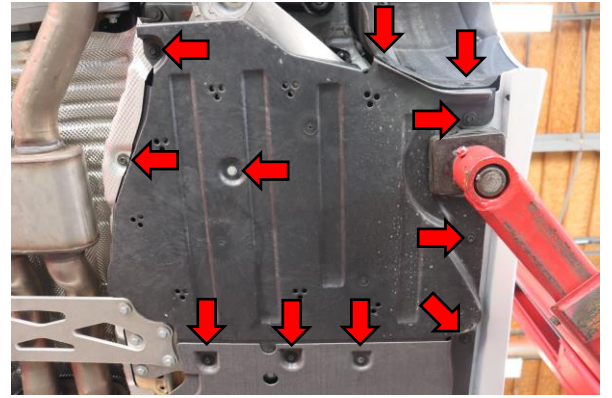
Step 5. Remove the exhaust hangers nuts at rear of vehicle using a 13MM



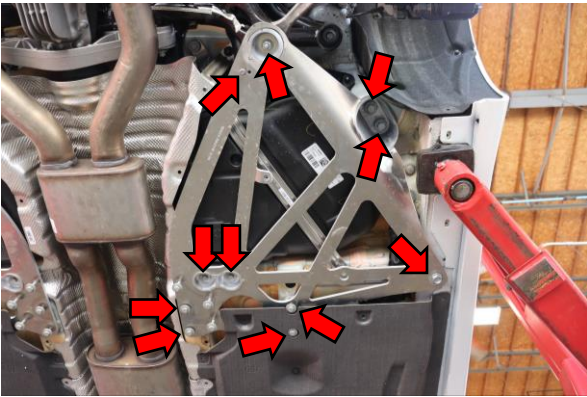
Step 6. Release wire harness clips from frame creating slack in the wire harness on both the left and right rear.



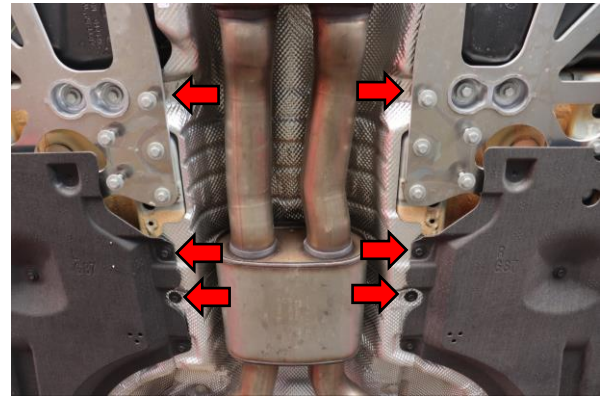
Step 7. Remove center crossmember using 13mm.



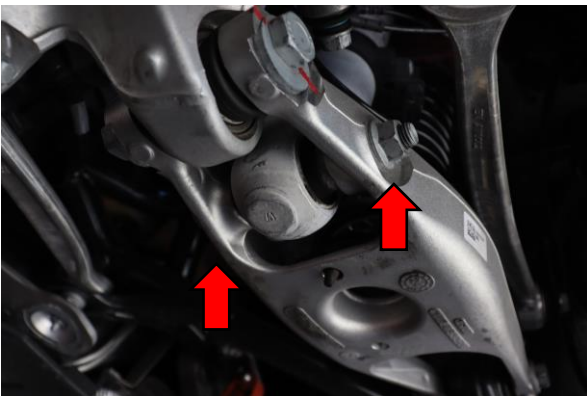
Step 8. Remove left and right plastic covers secured by 11 10mm screws on each side.



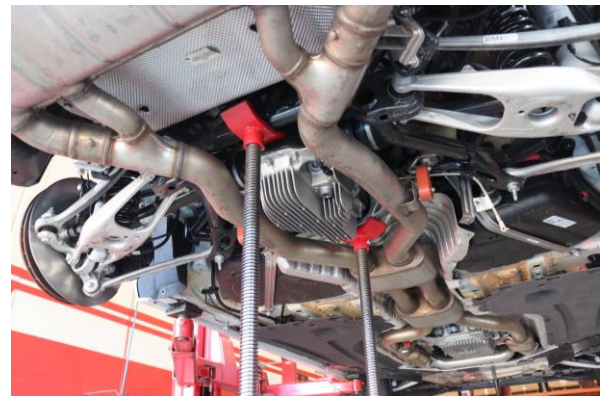
Step 9. Remove the left and right rear aluminum bracing secured by three 13mm bolts, two 16mm bolts, one 16mm nut, and one 21mm bolt each. **NOTE: The right rear bracing also has an 8mm ground strap bolt which needs to be removed.**



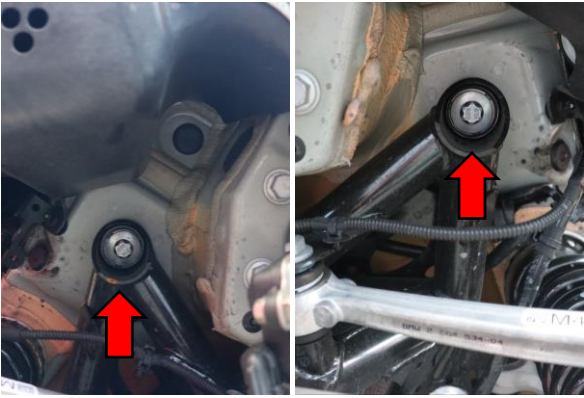
Step 10. Remove rear heat shield hardware (two 10mm nuts and four 10mm bolts) and allow the heat shield to rest on the exhaust.



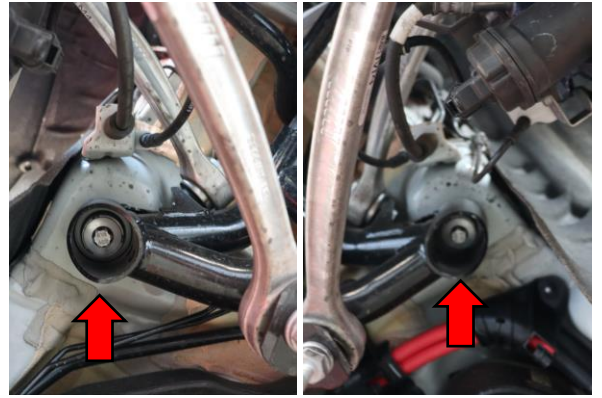
Step 11. Remove both lower shock mounting bolts using an 18mm.



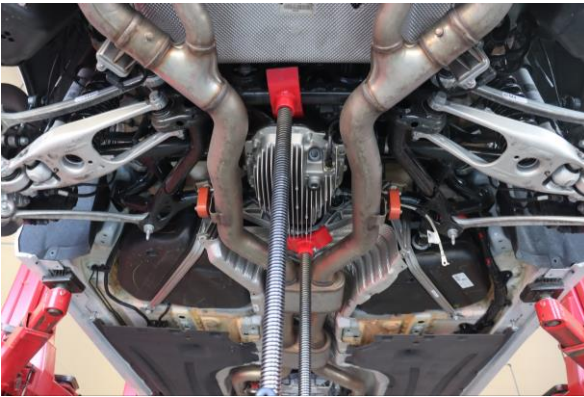
Step 12. Support the rear subframe.



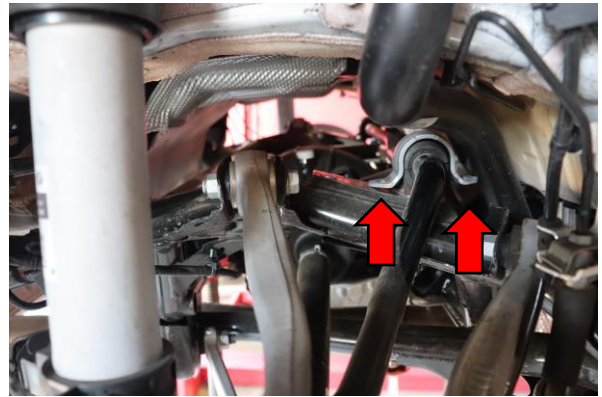
Step 13. Remove both front subframe bolts using an E18.



Step 14. Remove both rear subframe bolts using an E18.



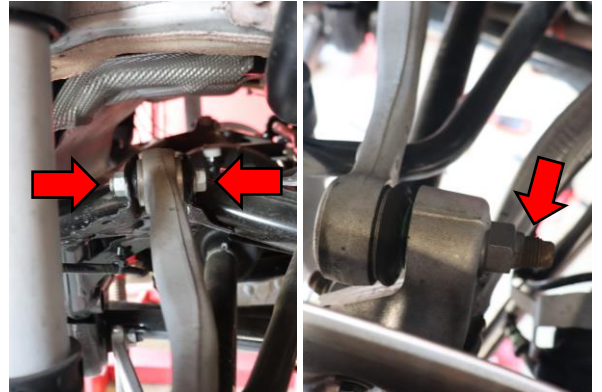
Step 15. Carefully lower the subframe about three inches to allow space for the rear sway bar to be removed.



Step 16. Remove the left and right sway bar bracket bolts using an E12.



Step 17. Remove the left and right sway bar end link on the bar end using a 16mm and T30.



Step 18. Remove the left rear upper control arm using two 18mm and a 21mm.



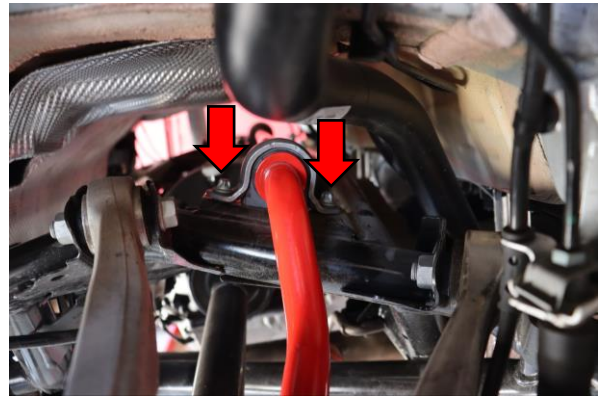
Step 19. Remove the rear sway bar from the left side of the vehicle. Be careful to not damage any wiring during removal.



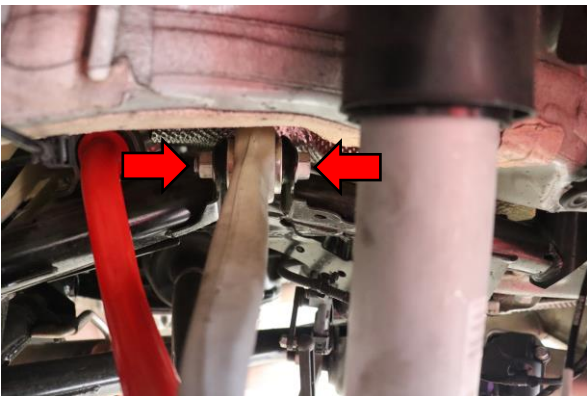
Step 20. Apply the supplied sway bar bushing grease to supplied bushing and install on sway bar inside the locating rings. Transfer both sway bar brackets from the OE sway bar.



Step 21. Install new sway bar through the left side of the vehicle. Be careful not to damage any wiring during install.



Step 22. Install both left and right sway bar bracket bolts. Tighten to manufacturer specification using E12.



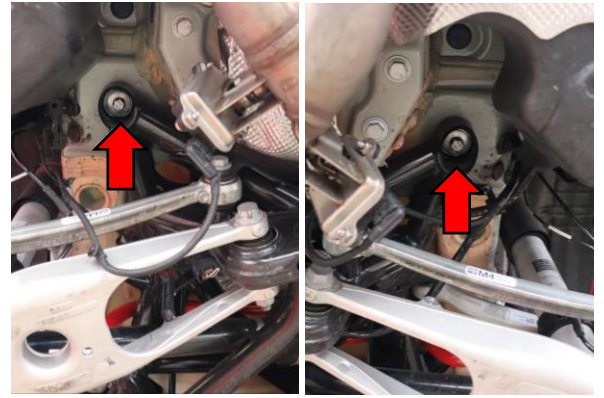
Step 23. Reinstall left rear upper control arm. Install inner mounting bolts finger tight.



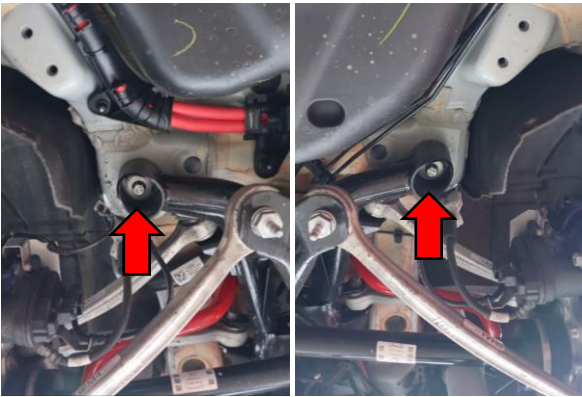
Step 24. Install outer mounting nut and tighten to manufacturer spec using a 21mm. Tighten inner control arm to mounting nut and bolt to manufacturer specification using two 16mm.



Step 25. Lift subframe into position. Periodically check to ensure no wires are being pinched.



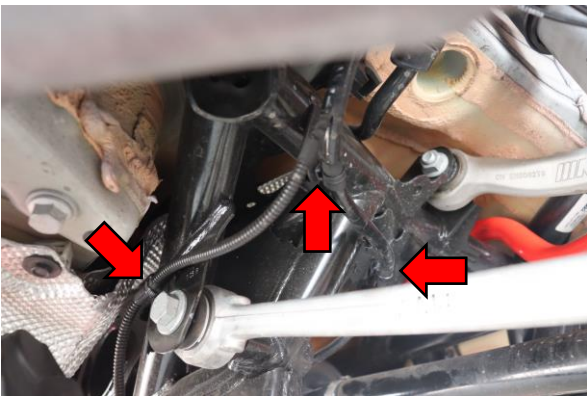
Step 26. Install both rear subframe bolts and tighten to manufacturer specification using E18.



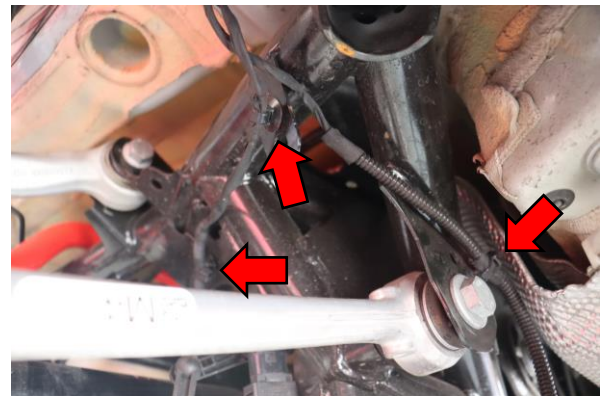
Step 27. Install both front subframe bolts and tighten to manufacturer specification using E18.



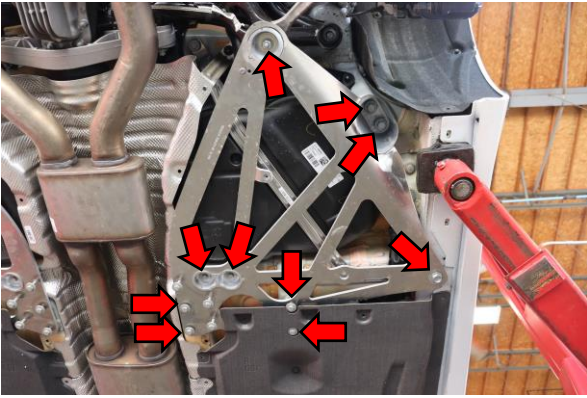
Step 28. Select a sway bar setting by installing the left and right end link into the corresponding hole on the sway bar paddle. Setting 1 provides the lowest sway bar rate, setting 3 provides the highest sway bar rate. Tighten end link to manufacturer specification using a 16mm and a T30.



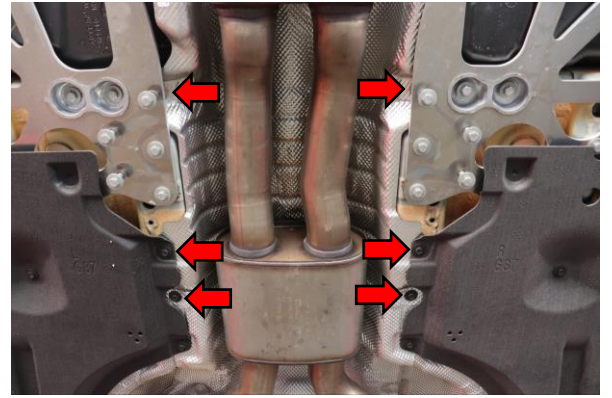
Step 29. Reinstall wire harness clips at right rear.



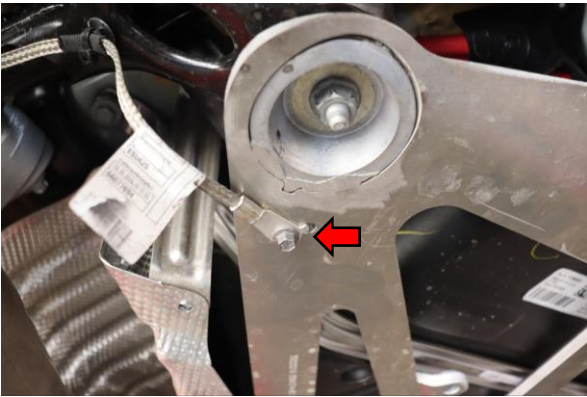
Step 30. Reinstall wire harness clips at left rear.



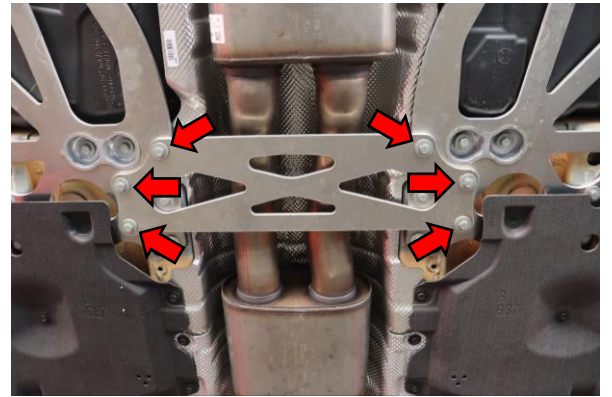
Step 31. Reinstall left and right aluminum bracing. Tighten all fasteners to manufacturer specification using 13mm, 16mm and 21mm.



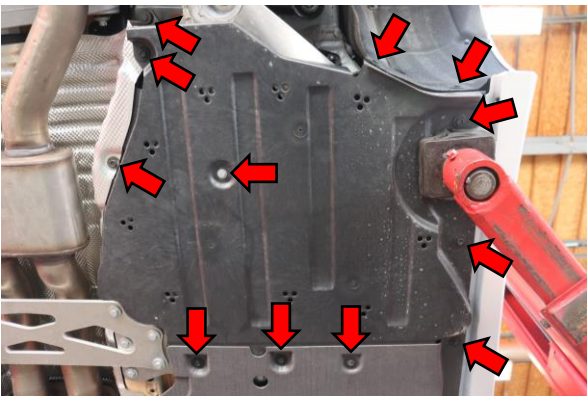
Step 32. Reinstall heat shield fasteners using a 10mm. Tighten to factory specification.



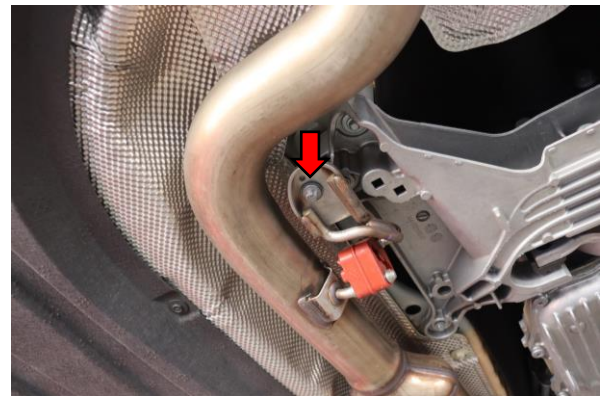
Step 33. Install ground strap using 8mm.



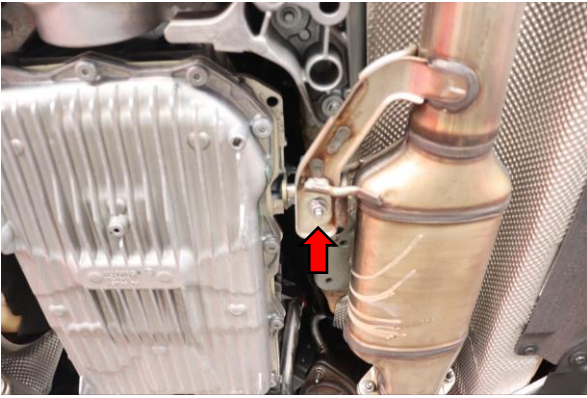
Step 34. Install aluminum crossmember and tighten to manufacturer specification using a 13mm.



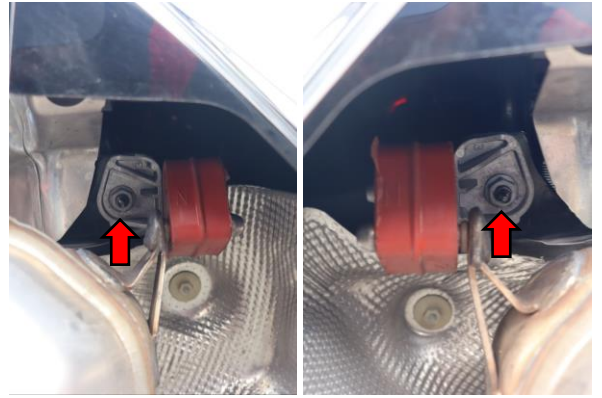
Step 35. Reinstall both left and right plastic panels. Tighten to manufacturer specification using a 10mm.



Step 36. Install forward exhaust hanger to the left of the transmission. Tighten to manufacturer specification using E12.



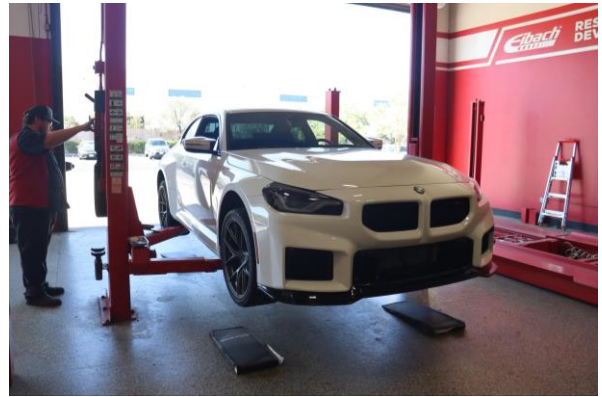
Step 37. Install forward exhaust hanger to the right of the transmission. Tighten to manufacturer specification using 30mm.



Step 38. Install both rear exhaust hangers. Tighten to manufacturer specifications using a 13mm.



Step 39. Install both rear wheels. Tighten to manufacturer specification using a 17mm.



Step 40. Lower the vehicle.



Step 41. Test drive the vehicle while listening for any abnormal noises.