

Sport Sway Bar Set BMW E9X M3 22839 BW

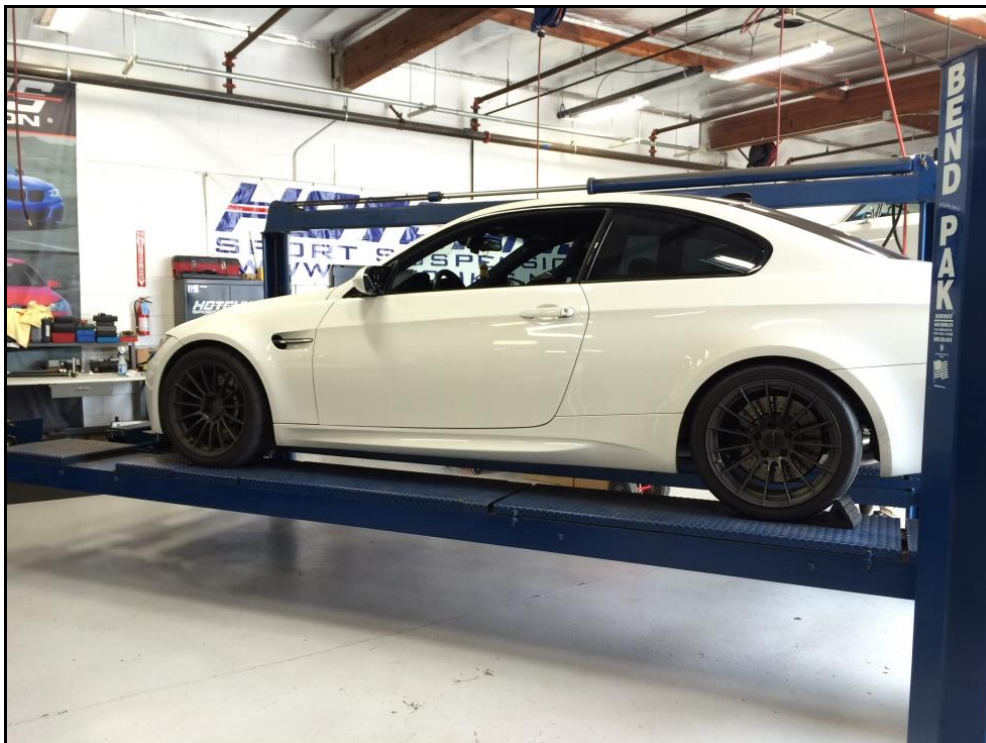
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Please call us at 877 - 4NO - ROLL if you have any questions
regarding the service or installation of your Hotchkis Performance products.*

IMPORTANT: PLEASE READ THE ENTIRE INSTRUCTION MANUAL BEFORE
STARTING THIS INSTALLATION.

Front Installation

1F *Raise the Front*

Raise the front of the vehicle using floor jack & jack stands, or a lift. Securely chock the rear wheels. Note: It is not necessary to droop the suspension to install the front sway bar.



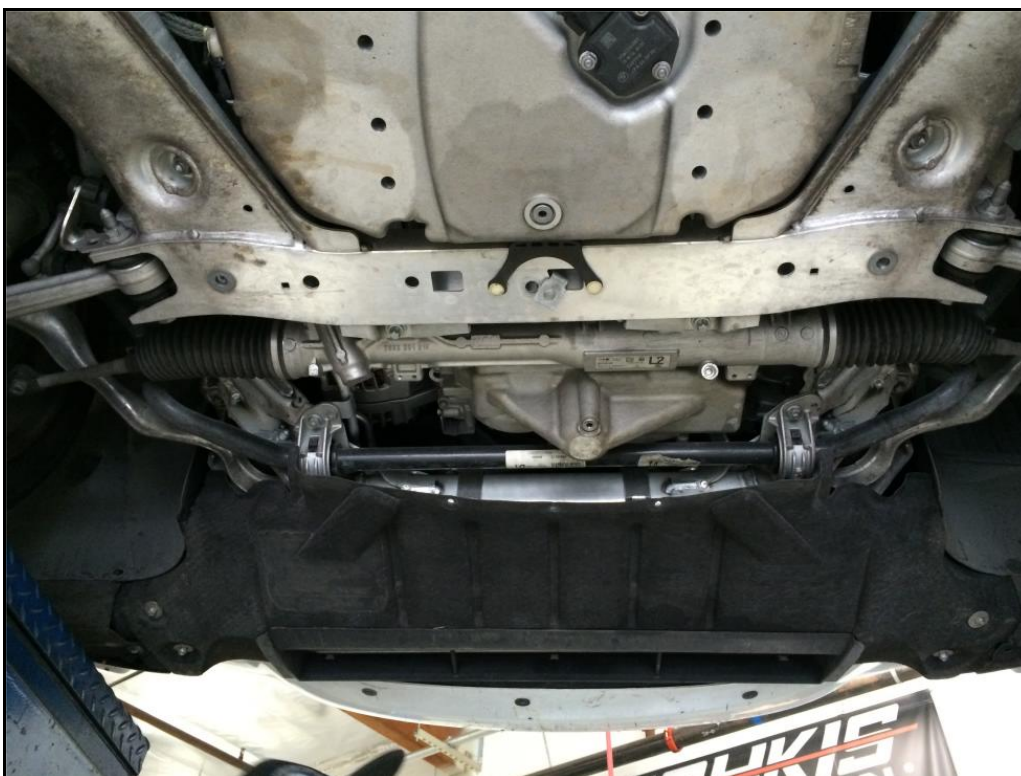
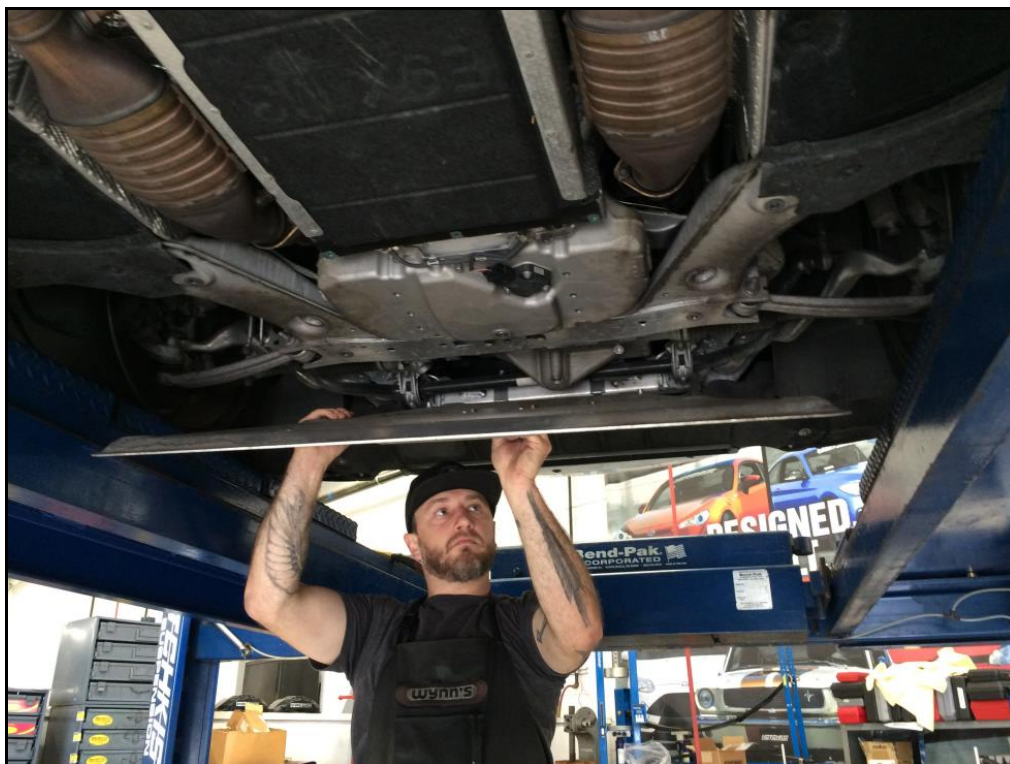
- 2F *Remove the Aluminum Splash Pan*
Locate the aluminum splash pan underneath the engine.



Start by undoing the fasteners that secure the front felt cover to the pan. You want to be able to pull down on the felt cover to access the bolt holding the front of the aluminum splash pan.



Remove the aluminum splash pan and set aside.



3F *Unbolt the Bushing Brackets*

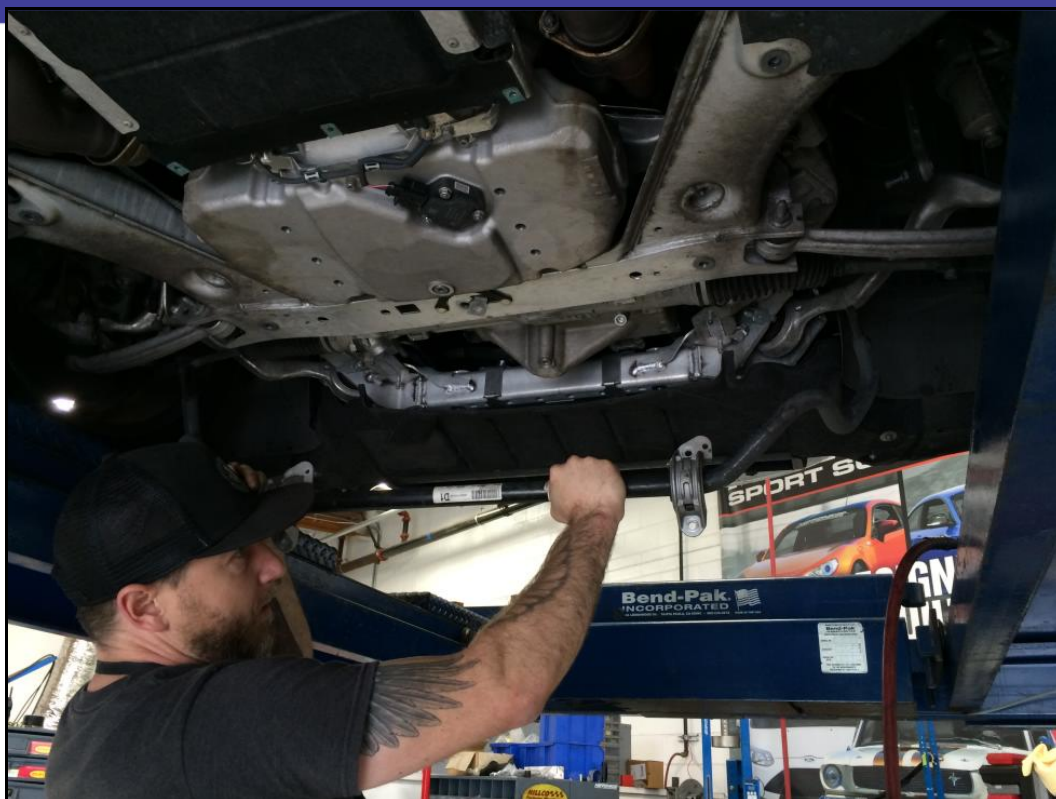
There are bushings and brackets holding the bar to the chassis. Unfasten the (2) nuts for each bracket. Retain the OEM nuts for reinstallation.



4F *Unbolt the End Links*

Unbolt the end links from the OEM sway bar on each side. Retain the OEM end link nut for reinstallation. The bar should be free from the vehicle. Set aside and compare orientation for the Hotchkis Sway bar.





5F *Install the Hotchkis Sway Bar*

Insert the Hotchkis sway bar in the same manner as OEM removal. Connect the end link studs into the sway bar end holes to help hold up the bar temporarily.



6F *Install Hotchkis Bushings & Brackets*

Lube the included Ø1.25 (32mm) polyurethane bushings with the provided silicon grease. Apply grease on the inner surface of the bushings.

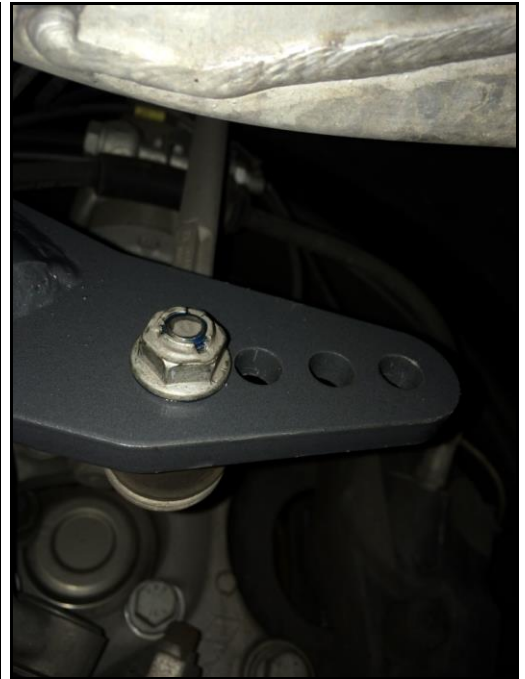


Open up the bushings at the split and install onto the bar near the intended bushing location. Install the Hotchkis bushing bracket onto the bushings and mount to the chassis. Use the included Hotchkis washers with the OEM nuts to secure the bracket to the chassis.



7F *Bolt End Links Up*

Choose one of the (4) end link holes for your desired stiffness. The hole closest to the end is the soft setting. Reuse the OEM flange nut to secure the end link to the bar. We recommend using thread locking compound on these nuts.



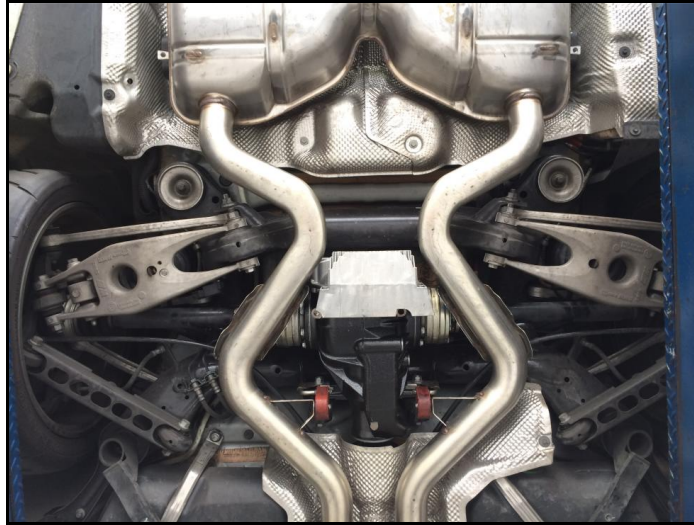
8F *Finish up*

Complete the installation by reinstalling the aluminum splash pan in reverse order.

Rear Installation

1R *Raising Car*

Raise the rear of the vehicle using floor jack & jack stands, or a lift. Securely chock the front wheels. Note: You will need to remove the rear wheels for this installation.



2R *Remove Panels from Underbody*

Remove the black plastic panels located in front of the rear wheels. This will allow you to gain access to the subframe bolts. There are a series of plastic rivets that hold it in place.



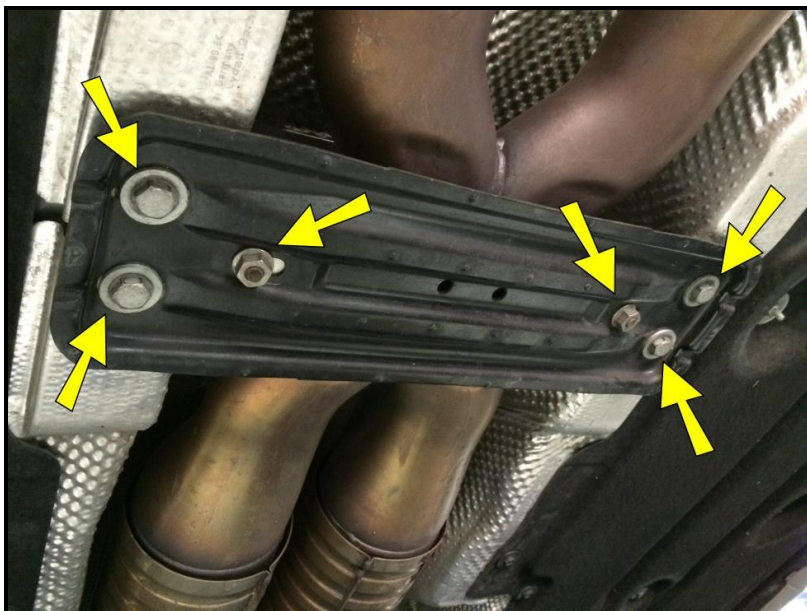
Once you have these plastic panels removed you should have a clear shot at the forward mounting bracket for the rear subframe. We will get to this later in the procedure.



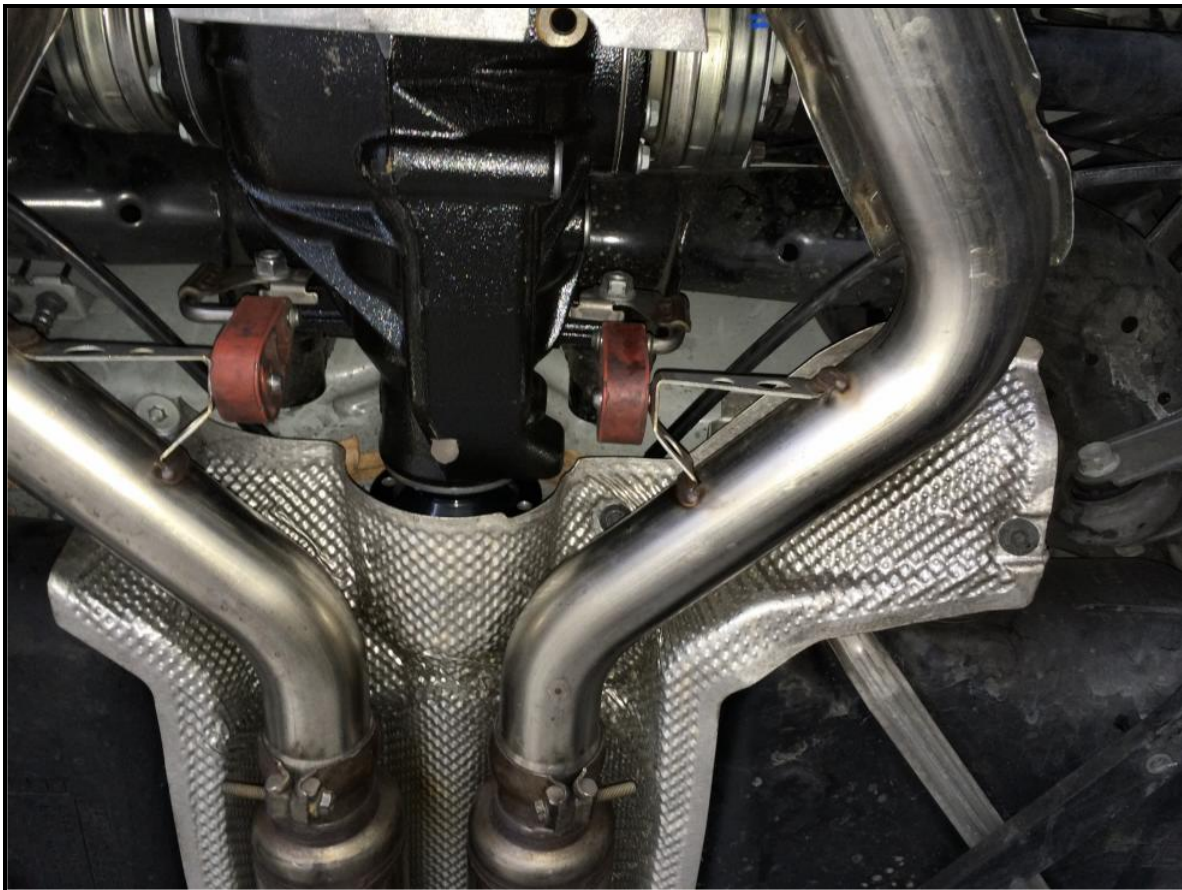
3R *Drop the Exhaust*

Will need to lower the rear subframe from the unibody to gain access to the rear sway bar. However, we will need to disconnect anything that may restrict this from happening. Let's begin with the exhaust pipes and mufflers.

Start by unbolting the stamped cross member near the center of the car.



Support the rear section of the exhaust as you begin disconnecting. Undo the exhaust hangers.



4R *Disconnect Heat Shield*

You will need to disconnect the "waffle" cover heat shield just underneath the drive shaft. The heat shield does not have to be removed but disconnected to allow everything to come down. Undo the following screws:

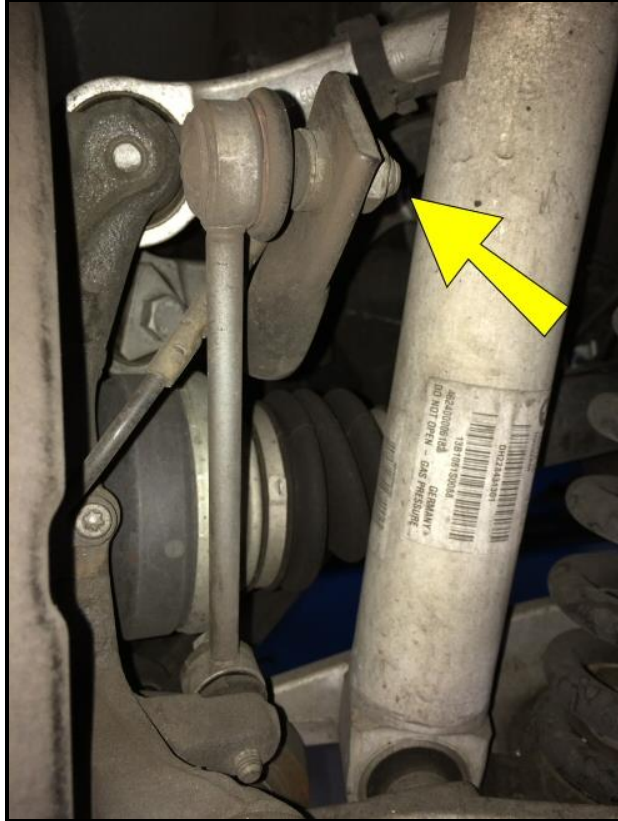


5R *Remove the Rear Wheels*

Next, remove the rear wheels.



- 6R *Disconnect the Sway Bar End Link*
Unbolt the end link from the rear sway bar.



- 7R *Remove Inner Wheel Well Liner*
We need to gain access the ABS wheel speed sensor connectors behind the wheel well liner. Undo the fasteners that hold in the wheel well liner.





8R *Disconnect the ABS Wheel Speed Sensors*

With the wheel well liner out the way, you can now disconnect the ABS wheel speed sensors. Disconnect any hold down clips that attached the cables to the subframe. You don't want these to pull and damage the wiring when dropping the subframe. Do this on both sides.





9R *Disconnect the Leveling Sensor Harness*

Disconnect the leveling sensor harness Clip from the module located on the driver side.
There is a hold down clip that needs to be undone as well.



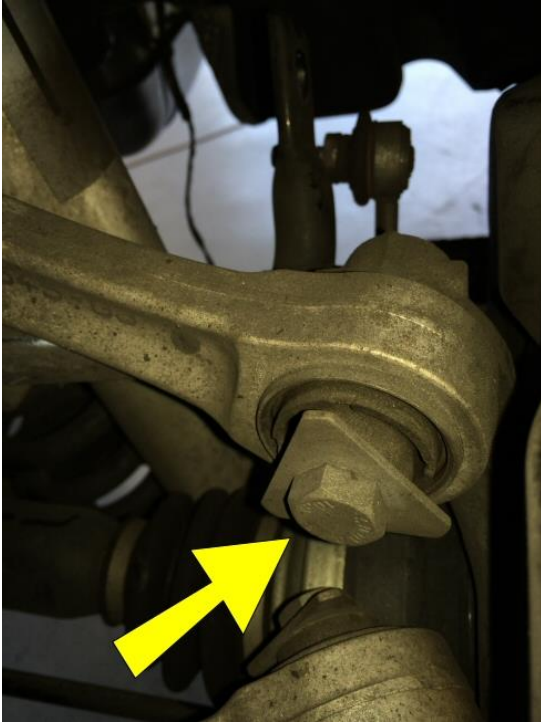
10R *Disconnect the Hold Down Bracket on Upper Link*

Unclip the wire hold bracket that is attached to the upper links.



11R *Disconnect Upper Link from Upright*

Next, disconnect the upper link from the rear upright (hub assembly).



12R *Disconnect the Lower Shock Mount*

Unbolt the lower shock mount.

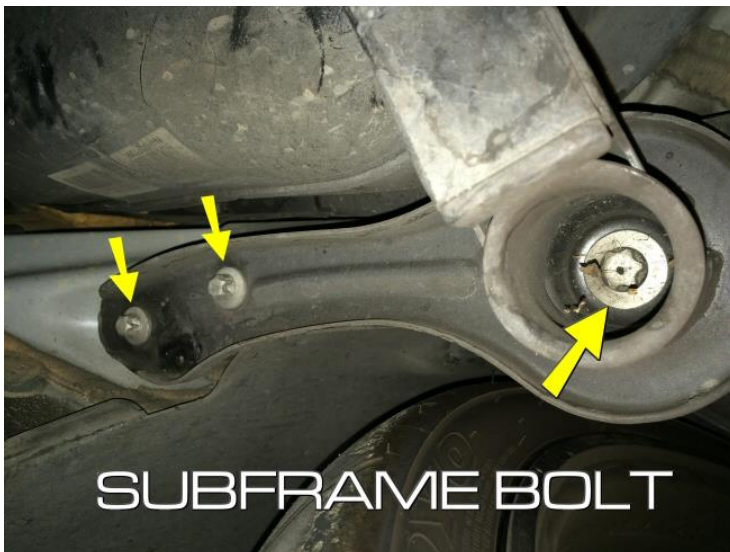


13R *Drop the Rear Subframe*

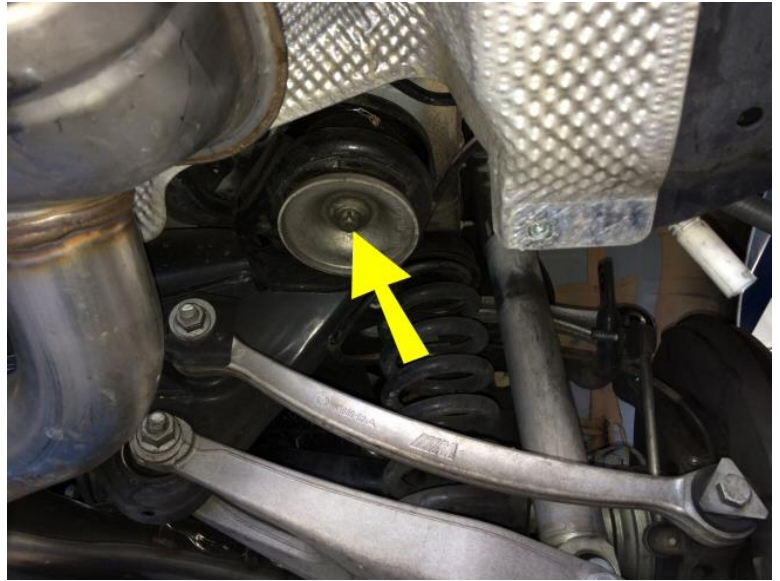
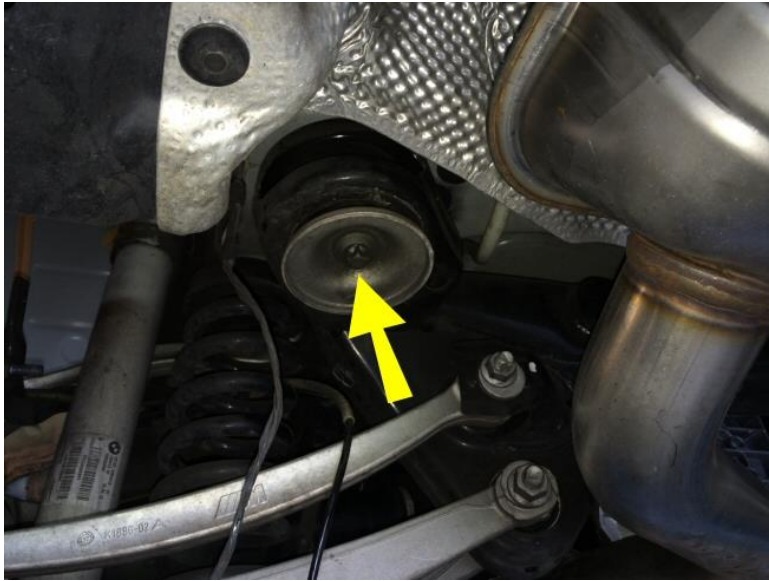
Support the rear subframe at the bottom of the differential with a jack. Use a wood block to avoid damaging the housing surface.



Unbolt the forward mounting bracket on each side. This will take care of (2) of the (4) main subframe bolts holding up the subframe.



Unbolt the (2) rear subframe bolts.



The subframe can be lowered down. Lower the subframe slowly watching for any wires that might be snagging or pulling. If you see any wires in tension, then raise back up and disconnect the wires to free up some slack. You only need to drop the subframe enough to snake the rear sway bar out from either side.

14R *Remove Rear Sway Bar*

Undo the (2) bolts per bushing bracket on each side. Snake the sway bar out to one side. You will have to help the bar to get untangled with the upper links you disconnected. Here we are showing the bar coming out the driver side.



Once out, place next to the Hotchkis sway bar to get the proper orientation for reinstallation.



15R *Install Hotchkis Rear Bar*

Reinstall the Hotchkis rear bar in the same manner as OEM removal.



16R *Install Bushings & Brackets*

Lube the included Ø1" (25.4mm) polyurethane bushings with the provided silicon grease. Apply grease on the inner surface of the bushings.



Open up the bushings at the split and install onto the bar near the intended bushing location. Install the Hotchkis bushing bracket onto the bushings and mount to the chassis. Make sure the 90° grease fitting on the Hotchkis bracket is facing outward. If the fitting is not facing the correct angle, it can be tighten to adjust to face in the right direction. Use the included Hotchkis washers with the OEM nuts to secure the bracket to the chassis.



17R *Bolt End Links Up*

Choose one of the (3) end link holes for your desired stiffness. The hole closest to the end is the soft setting. Reuse the OEM flange nut to secure the end link to the bar. We recommend using thread locking compound on these nuts.



18R *Finish up*

Continue installation by performing steps 1R-13R in reverse order.

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118 Infield Court
Mooresville, NC 28117

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