

DESCRIPTION

The team at Eurocode is proud to present you our Uberlings Stabilizations System (USS) sway bar set for the B9 Chassis A4/A5, S4/S5 & RS4/RS5.

Drawing upon customer feedback, extensive testing with the B8 chassis, and long-term testing with prototype B9 sway bars, our engineers increased the overall stiffness of the all new B9 sway bars, for enhanced cornering performance, improved chassis feedback, and an even sportier feel.

Furthermore, in order to take maximum advantage of the fantastic and improved MLBevo chassis of the B9, we also changed the balance of the sway bars front to rear. Compared to the B8 and B8.5, the B9 is more than 100 lbs lighter and most of that weight loss has been achieved in the front. This brings the weight balance of the B9 closer to the ideal 50/50 weight distribution.

That's why compared to our B8 and B8.5 sway bars, we increased the stiffness of the front sway bars more than we increased the stiffness of the rear sway bars. This is ensuring the car's handling is neutral in all the corners and stable in the high speed turns.

These sway bars were designed to be used as a paired set, but are available for sale separately.

APPLICATIONS

- Audi B9 A4/S4/RS4
- Audi B9 A5/S5/RS5

TOOLS

- Lift or jack w/ stands
- T25 torx
- T30 torx
- 10mm hex socket
- 13mm hex socket
- 16mm hex socket
- 18mm hex socket
- Breaker bar 3/8 or 1/2
- 10mm triple square bit
- 12mm triple square bit
- 14mm triple square bit
- 16mm 12pt bit
- 10mm wrench
- 13mm wrench
- 16mm 12pt closed end wrench
- Torque wrench
- Pry tool / trim panel tool / flat head screw driver
- Tripod

****IMPORTANT NOTICE****

Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury, or improper service; which could damage the vehicle, or compromise it's safety. Audi's factory repair manual requires you to replace the hardware for the stabilizer bars each and every time they are removed from the vehicle. We offer new OEM hardware as an optional item for those who do not have the means to obtain it. It is unsafe to install the sway bars and endlinks without replacing the hardware.

****IMPORTANT NOTICE****

These links are motorsport items. We recommend using our rubber dust boots (EC0202-0109) to protect and prolong the life of the bearings, especially in harsh weather climates.

COMPATIBILITY

EC Rear End Link + Stock Bar = OK

EC Rear End Link + EC Bar => in hard and medium setting = OK

EC Rear End Link + Other Aftermarket Bars = No Guarantee

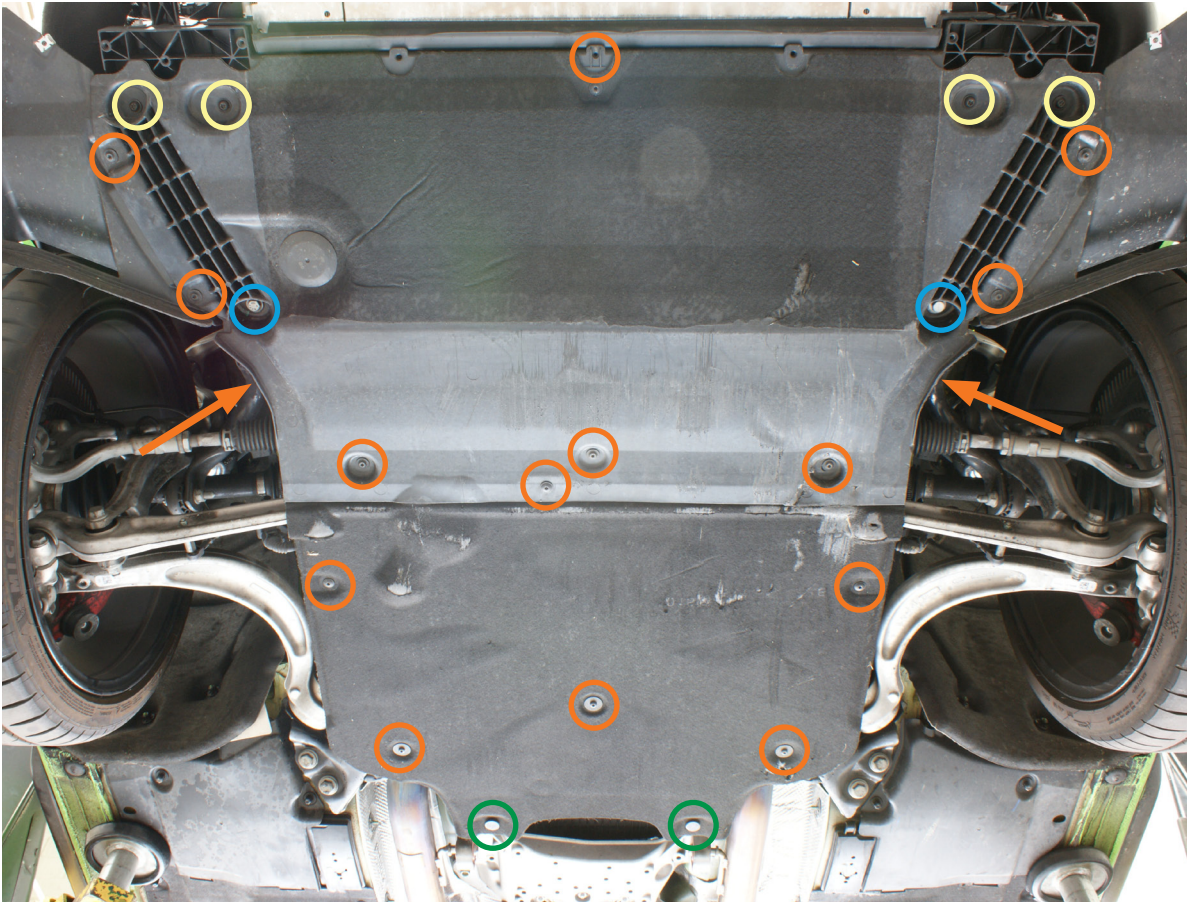
Front Sway Bar and End Link Install Guide

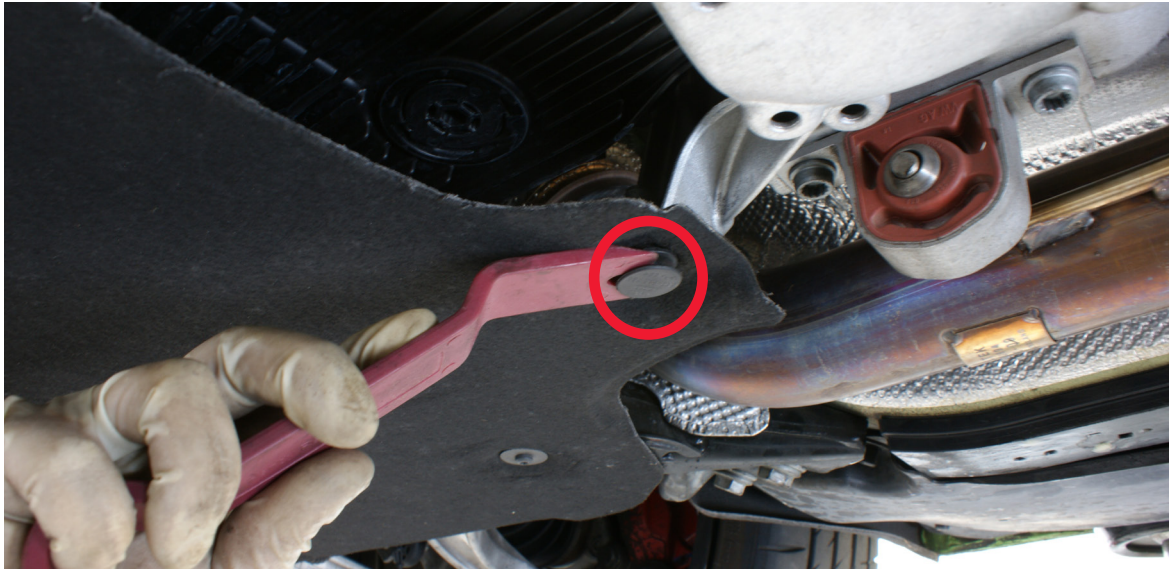
STEP 1:

REMOVE BELLY PAN

The bolts that need to be taken off to remove the belly pan are all circled on the left, and are listed in order they should be removed below.

- Green (2) - pry tool/ trim panel tool / flat head screw driver (see next page)
- Orange (16) - T25 (see next page)
- Yellow (4) - T30
- Blue (2) - 13mm hex socket



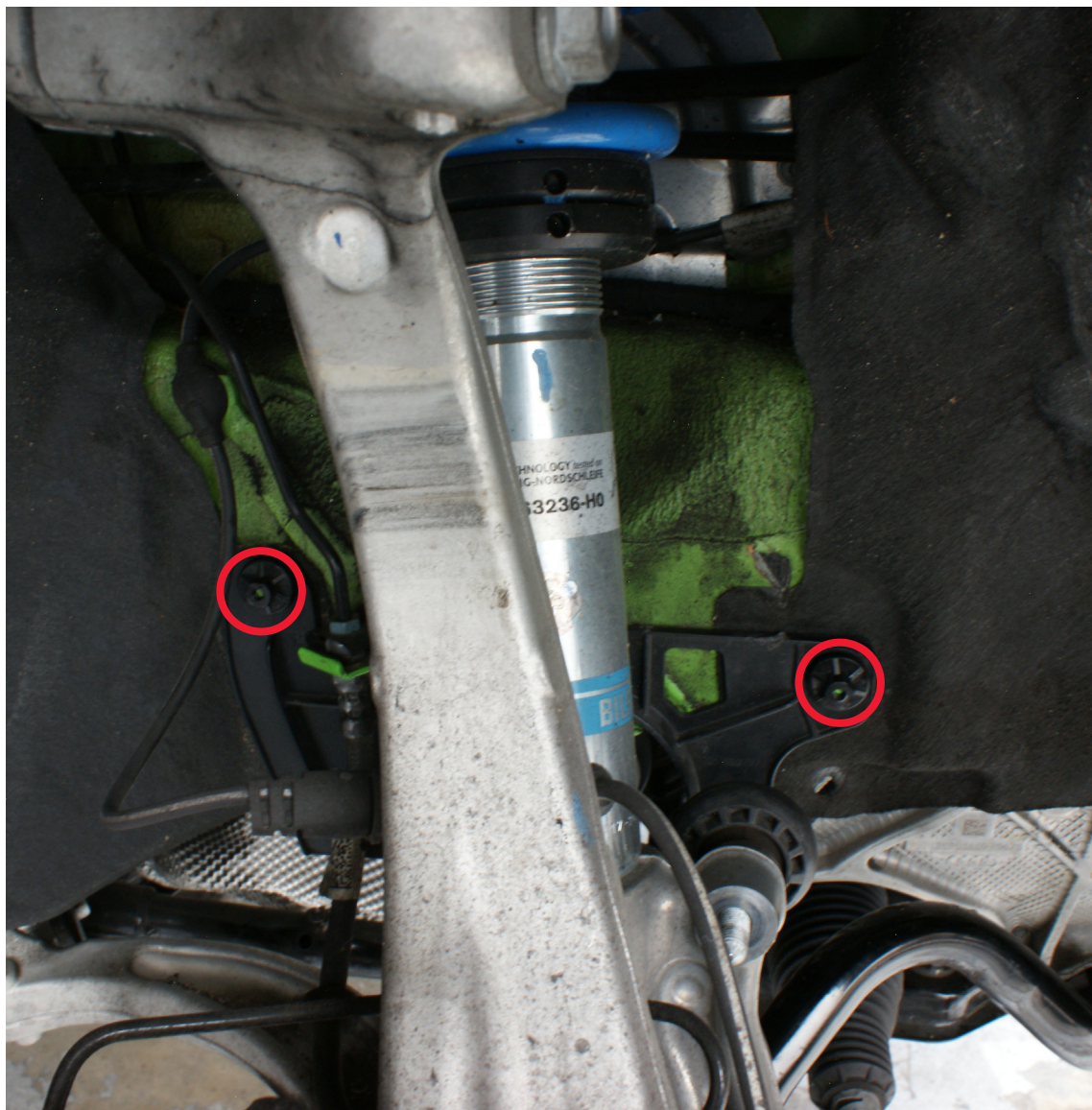


STEP 1: (CONTINUED)

REMOVE BELLY PAN

Red Circle - Fasteners circled in red can be removed using a pry tool, trim panel tool, or flat head screwdriver

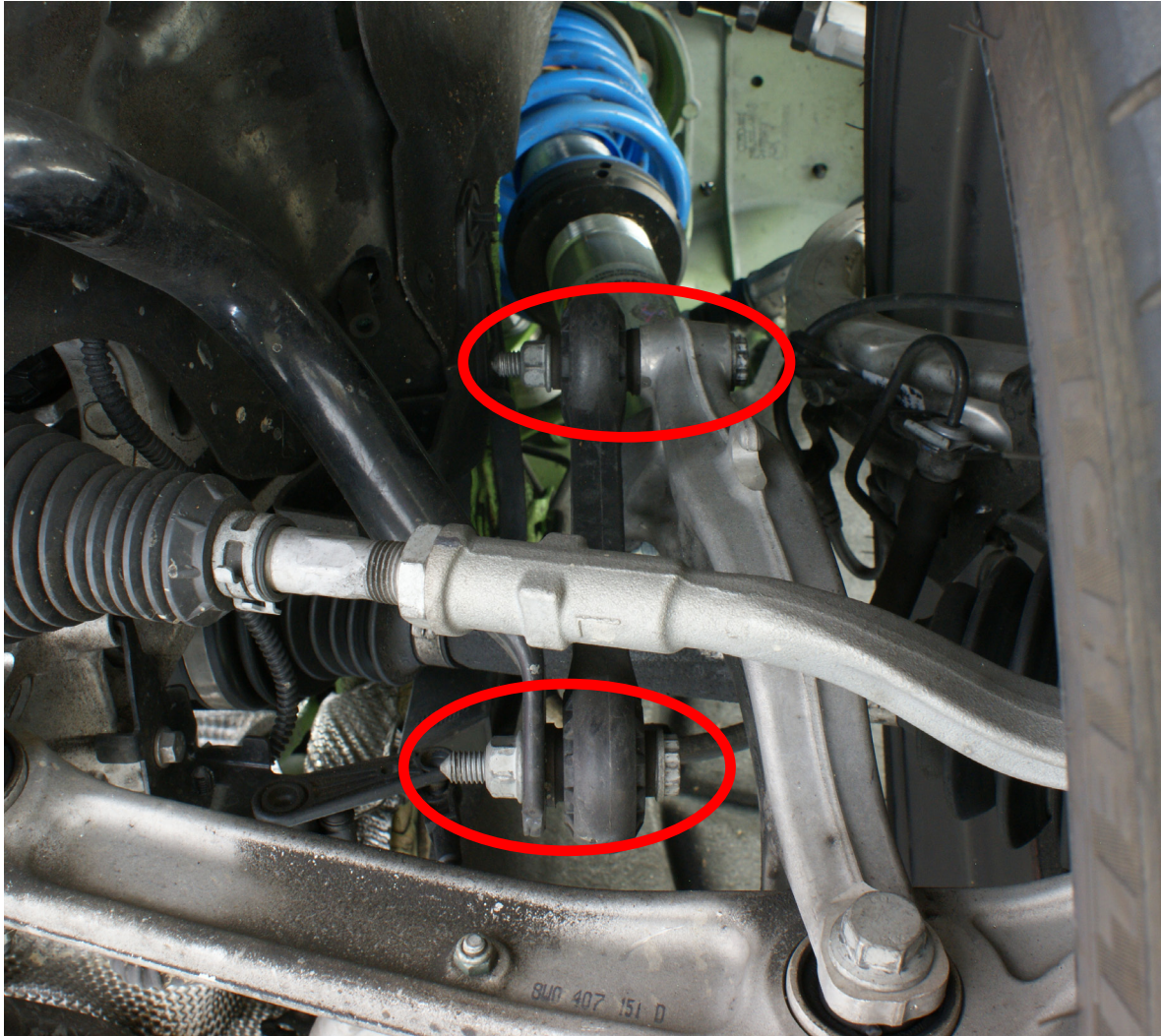
Orange circle - There are two additional belly pan screws located on the side of the front belly pan. Their location is shown on the previous page with the orange arrows



STEP 2:

REMOVE DRIVE AXLE COVER

On both sides of the car, there are two nuts (circled in red) holding on the drive axle cover pictured on the left. These need to be taken off to be able to remove the hardware from the end links.



STEP 3:

REMOVE THE OEM ENDLINK

After removing the plastic piece, use a 16mm hex socket to break loose the nut and 16mm 12 pt closed end wrench for the bolt at the two circled locations and remove the OEM end link.

If you are not installing the Eurocode Billet End Links, only remove the lower bolt and skip to Step 6 (Page 12).

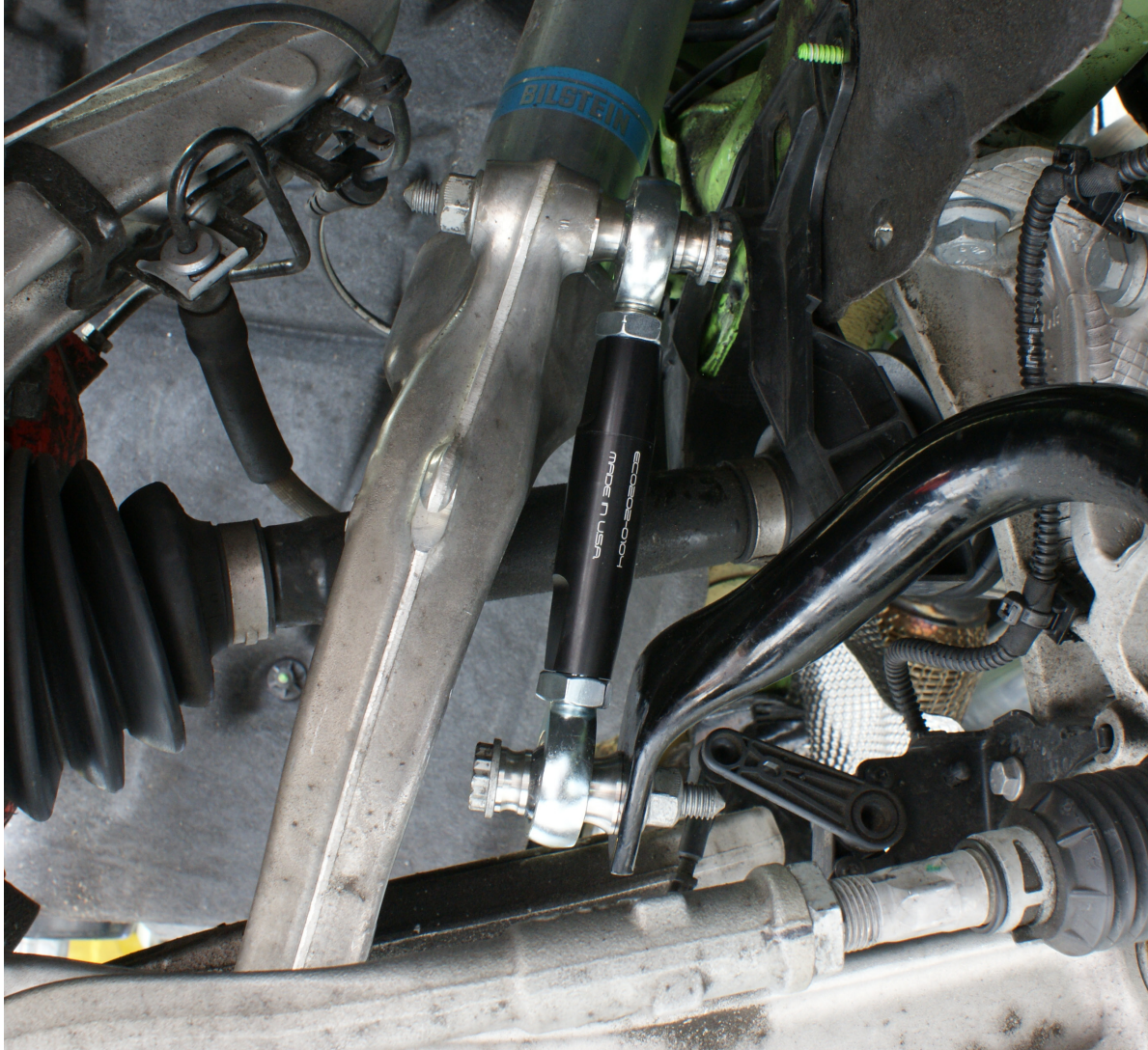


STEP 4:

ADJUST ENDLINK

After removing OEM end link, match the length of the new Eurocode Billet End Link to the OEM end link length.

If the car is lowered from factory settings, the length of the Eurocode Billet End Link would need to be longer. To achieve zero preload and ideal settings, we recommend a corner balance at a professional shop.

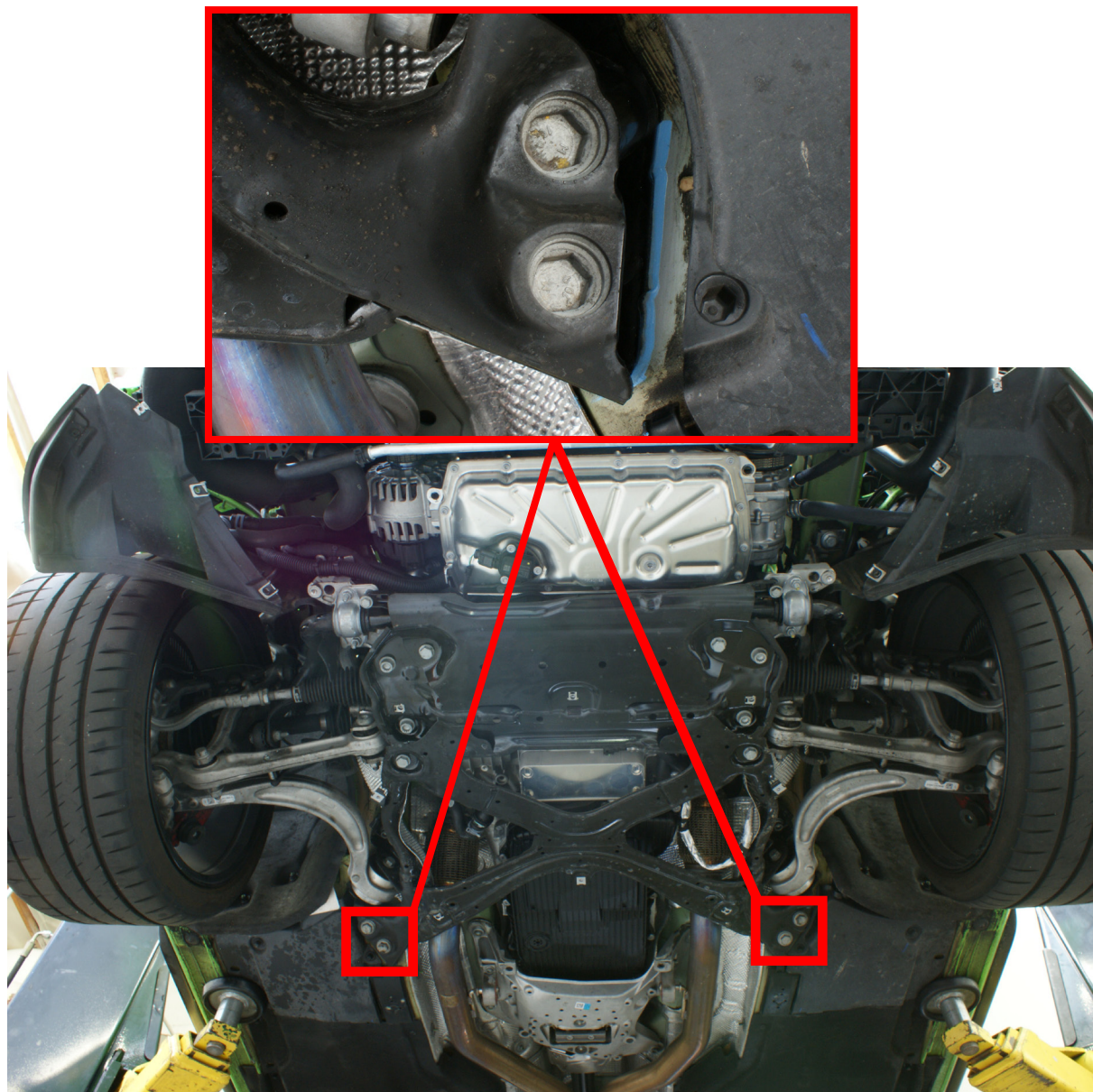


STEP 5:

INSTALL ENDLINKS

After adjusting the length of the Eurocode Billet End Links. Attach the top of the end link to the strut and hand tighten. Once that is complete attach the lower portion in the orientation pictured on the left and hand tighten. From there, use a 16mm 12 pt closed end wrench and 16mm hex socket on a torque wrench to torque down the top to 40Nm +90° and then the lower to 40Nm +90°

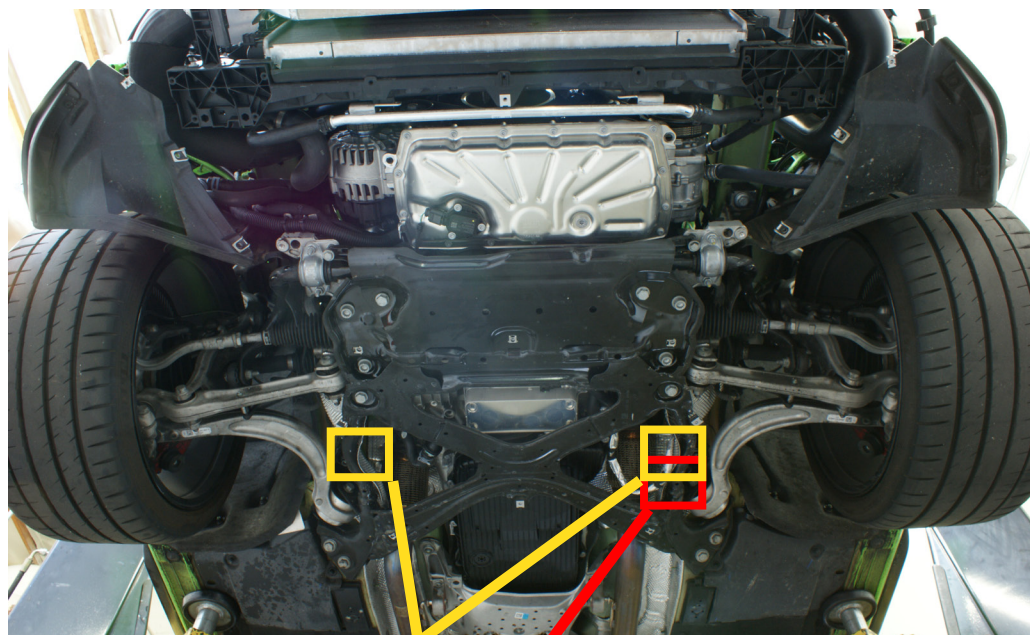
If you are only installing Eurocode Front End Links, reverse steps 1 and 2 to re-install the plastic piece and belly pan to complete the installation.



STEP 6:

MARK OFF SUBFRAME

Mark around the rear section of the subframe to help during realignment when reinstalling the bolts in Step 16-17 (page 23-24).

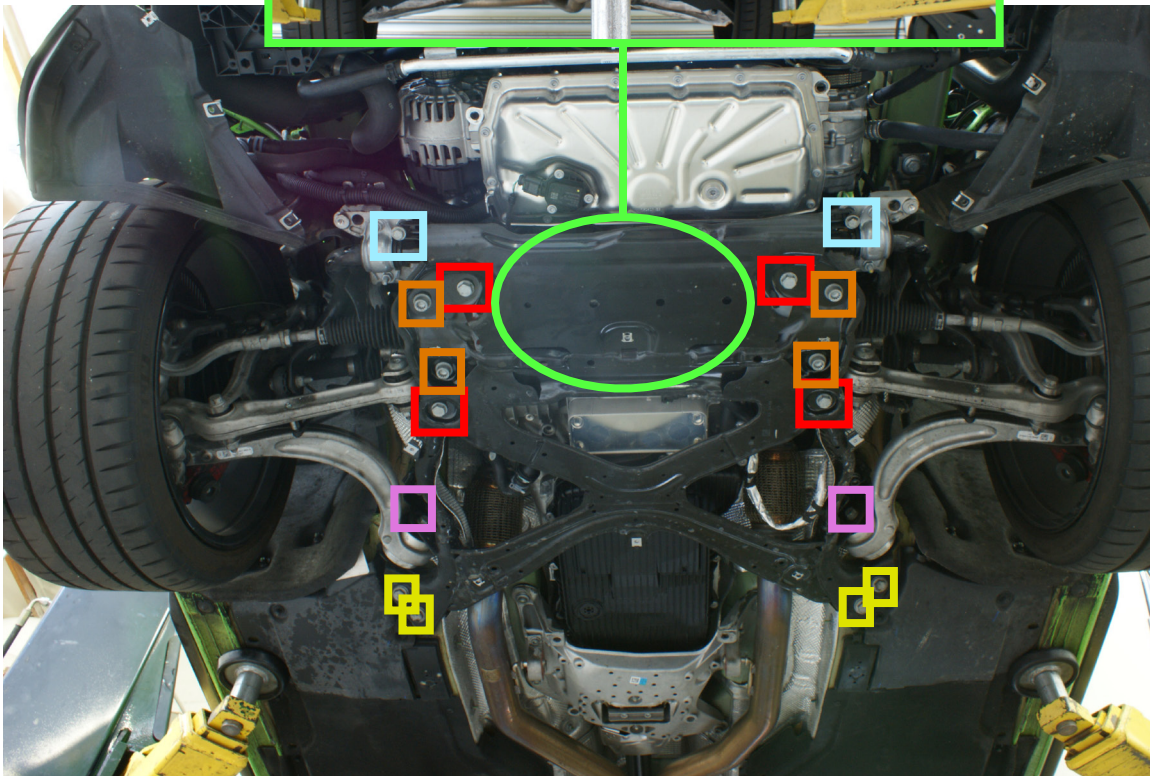
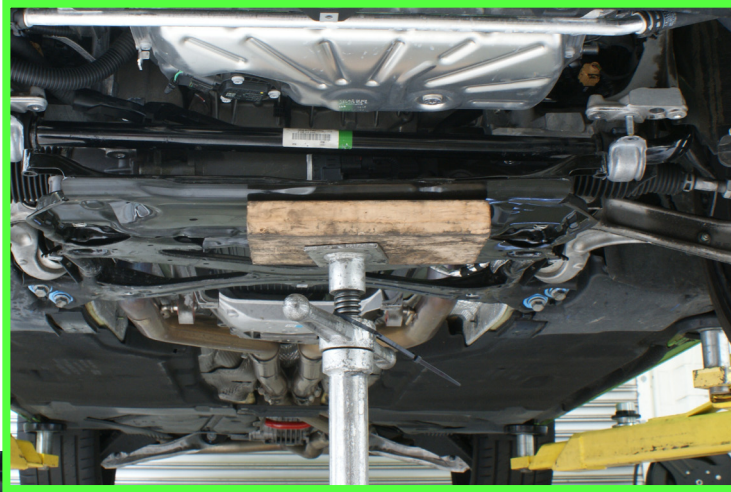


STEP 7: HEATSHIELD DETACHMENT

Yellow - There is one M6 nut on each side at the location of each yellow box. Use a 10mm hex socket or wrench to remove.

Red - Unclip wireharness from heat-shield. Simply pull it off.



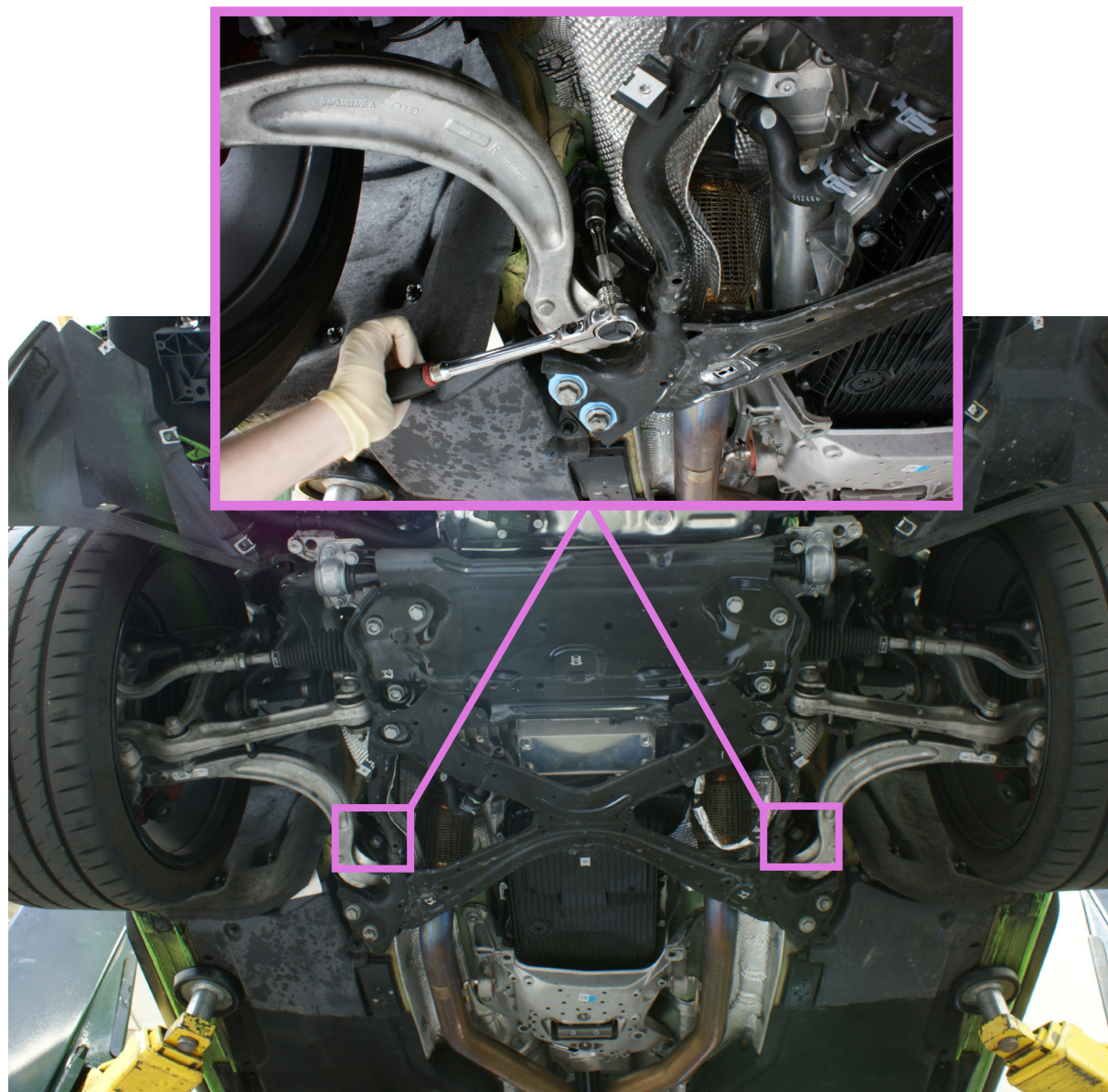


STEP 8 :

SUPPORT SUBFRAME AND UNDO AND LOOSEN BOLTS

First support subframe, then undo the bolts in the following order:

- Blue (2) - 13mm hex socket
- Red (4) - 18mm hex socket
- Orange (4) - 14mm triple square
- Purple (2) - 12mm triple square, these are hidden (see next page)
- Yellow (4) - DO NOT REMOVE THESE BOLTS, loosen only with 18mm hex socket



STEP 8: (CONTINUED)

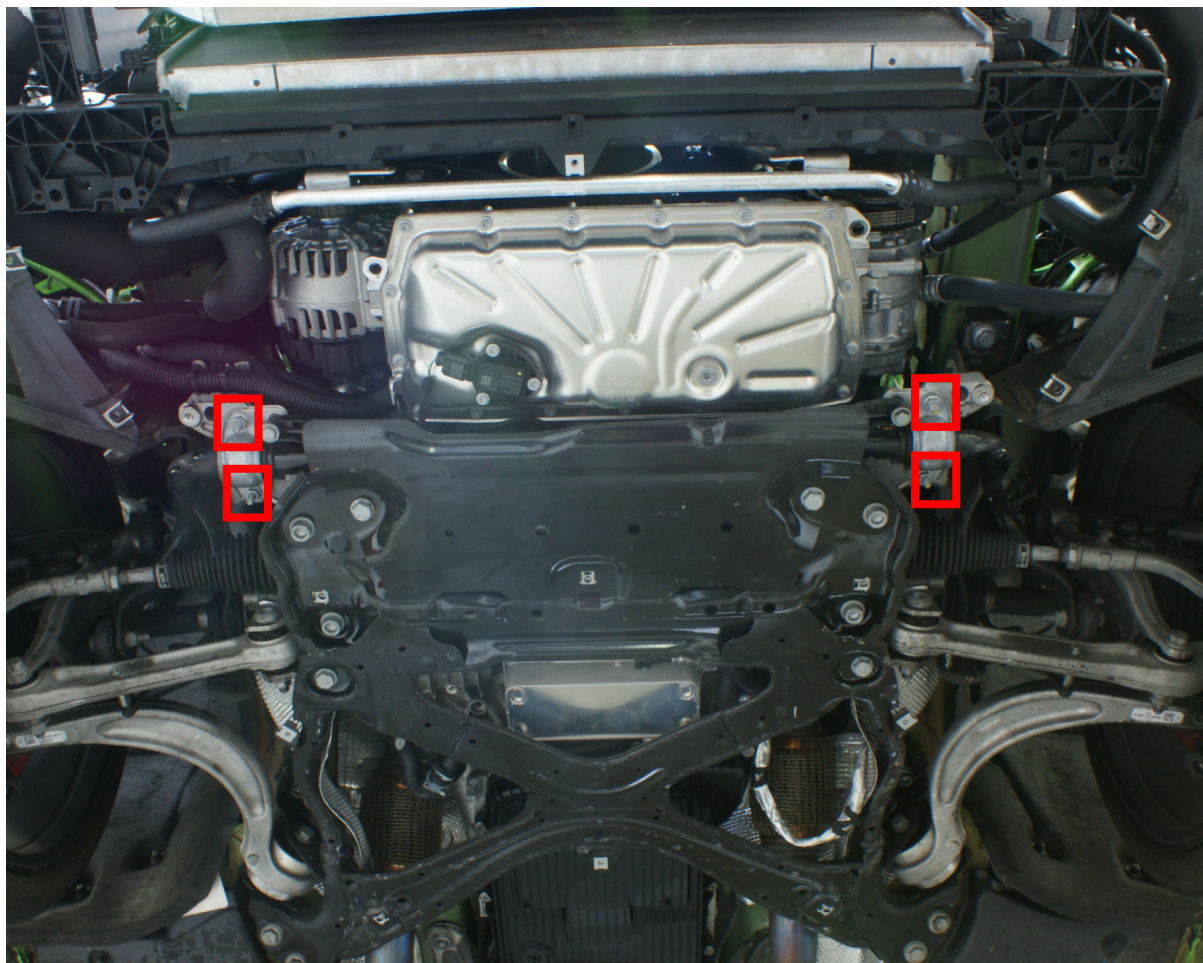
SUPPORT SUBFRAME AND UNDO AND LOOSEN BOLTS

Close up photo and location of the hidden 12mm triple square bolts you need to remove in previous step.

STEP 9:

REMOVE SWAY BAR BRACKET BOLTS

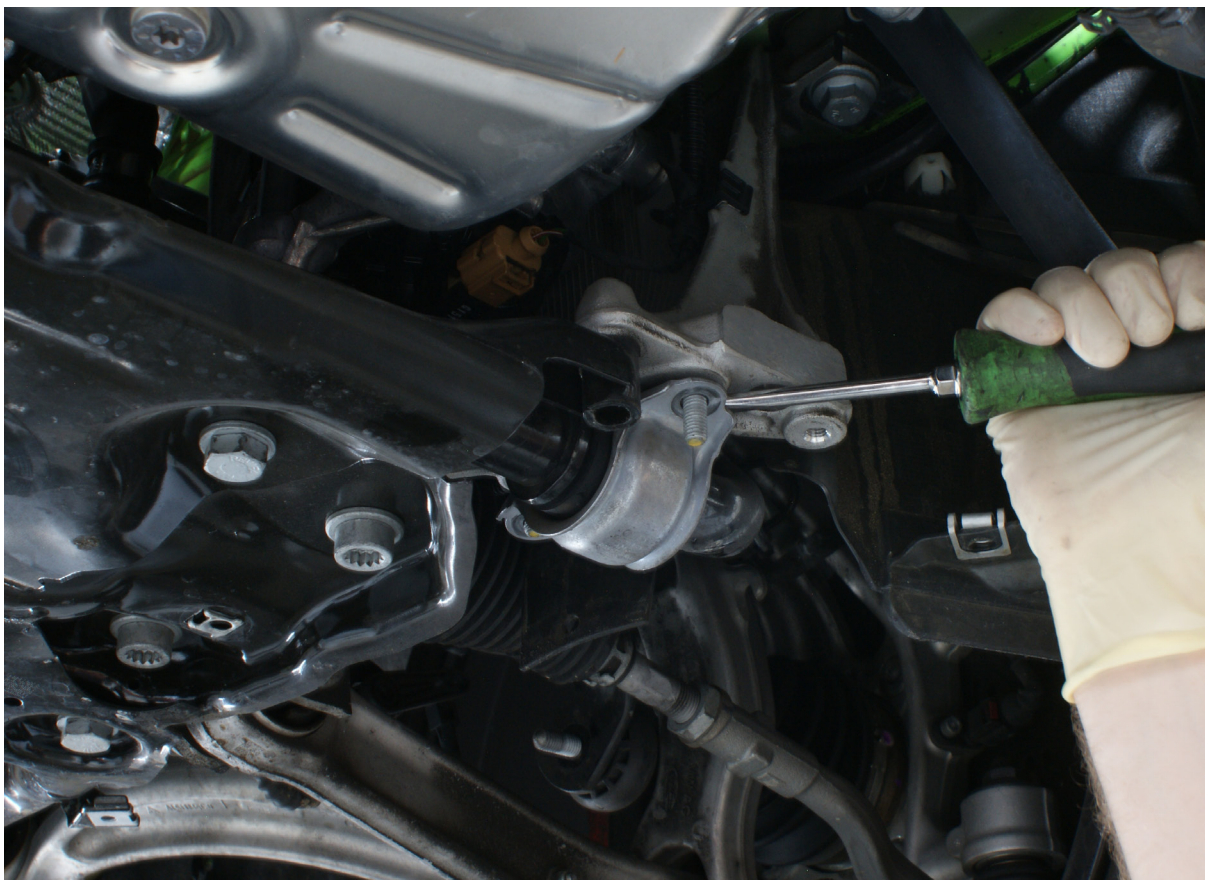
Remove the four M8 bolts of the sway bar brackets with a 13mm hex socket.



STEP 10:

REMOVE BRACKETS

Use flat head screwdriver to pry away sway bar brackets.



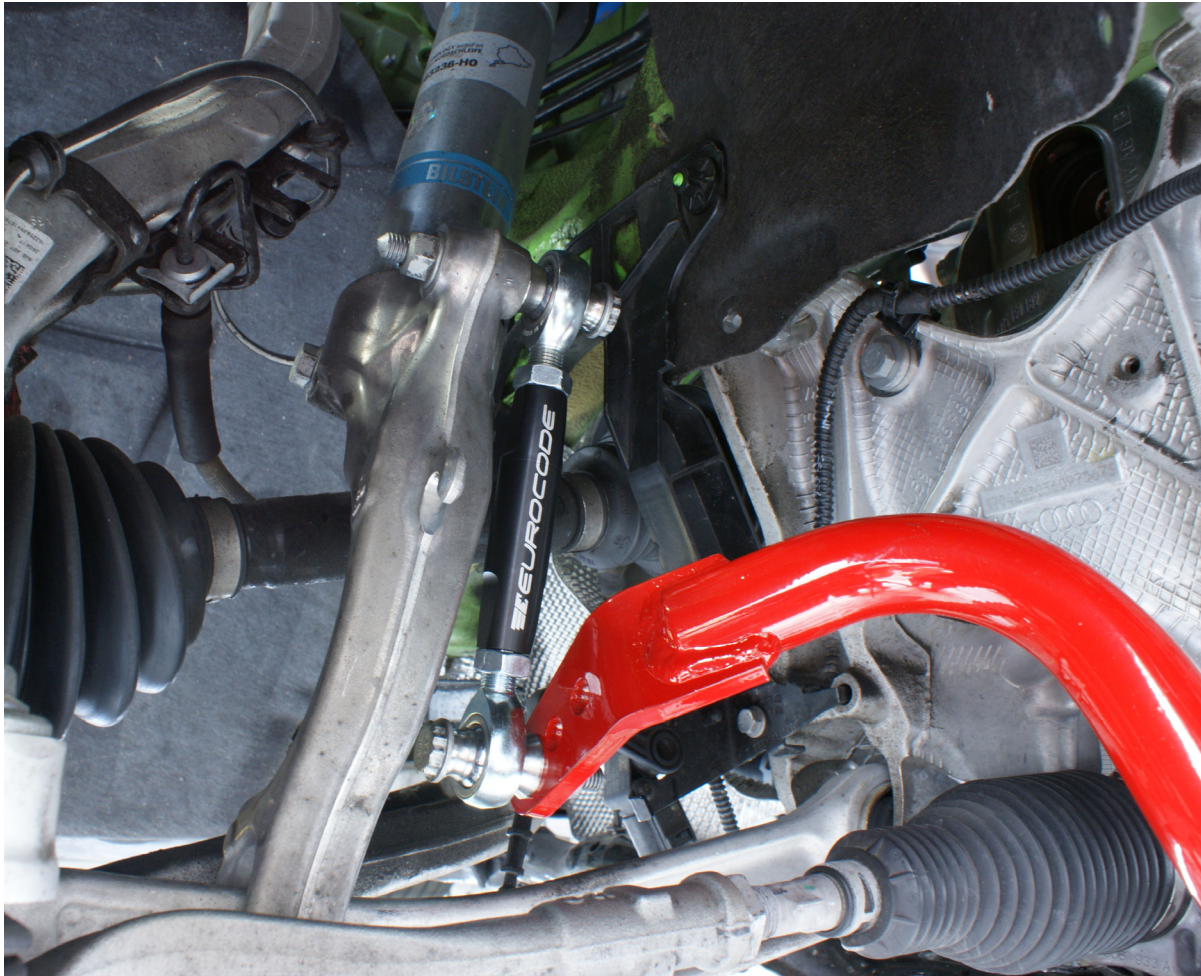


STEP 11:

REMOVE OEM SWAY BAR AND INSERT EUROCODE SWAYBAR

Lower the subframe and remove the OEM sway bar and insert the Eurocode sway bar in place.

We suggest to keep the sway bar in bubble wrap to prevent any damage.



STEP 12:

ATTACH ENDLINKS TO SWAY BAR

Attach and hand tighten bottom of end links to Eurocode's sway bar at desired stiffness setting (we recommend the soft setting, which is the furthest hole from the bar, as shown on the picture)

See Step 4-5 (page 10-11) photo for orientation of hardware and misalignment spacers.



STEP 13:

INSTALL EUROCODE BUSHINGS

Use supplied grease to lubricate the inside of the Eurocode bushing before installing onto the Eurocode sway bar.

See next page for orientation.



STEP 14:

PRESS ON SWAY BAR BRACKETS

Align the bushing in the orientation shown in the photo on the left, and press the sway bar brackets onto the bushings.

STEP 15:

REINSTALL SWAY BAR BRACKETS

Once orientated correctly, insert sway bar bracket in bolts and use a 16mm 12 pt closed end wrench and 16mm hex socket on a torque wrench to torque down the top to 40Nm + 90°.

Afterwards, torque the lower end link bolts to 40Nm +90° with a 16mm 12 pt wrench and 16mm hex socket.



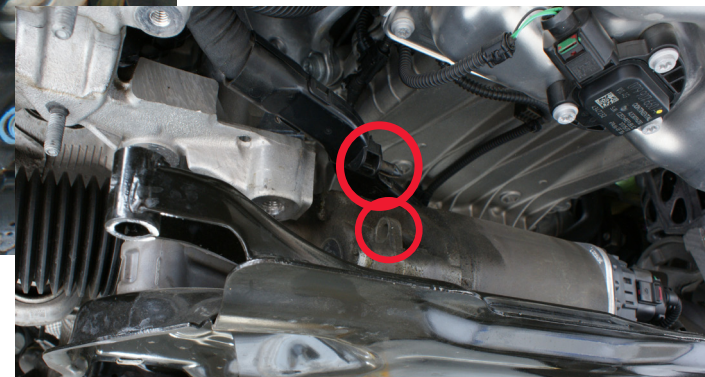
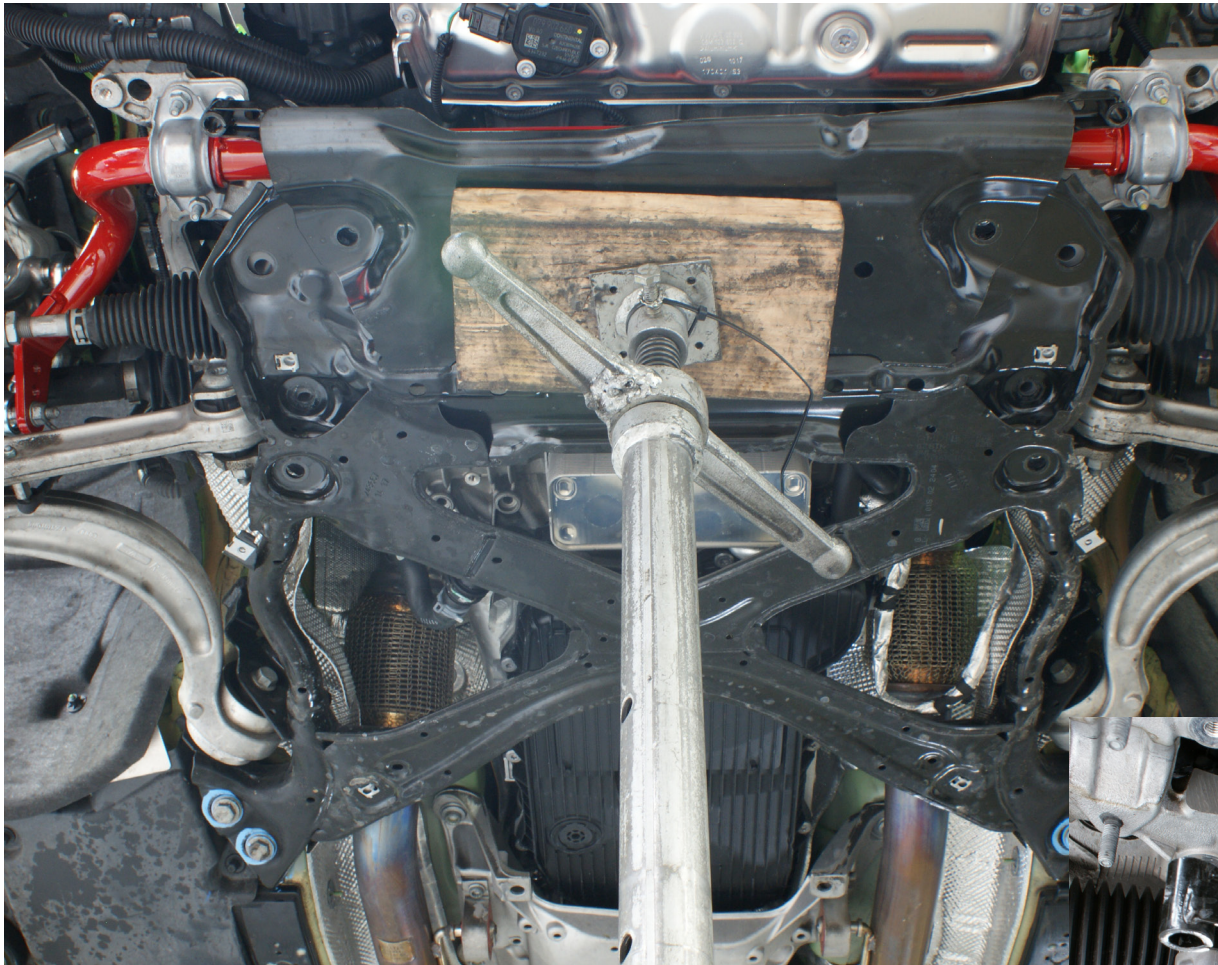
STEP 16:

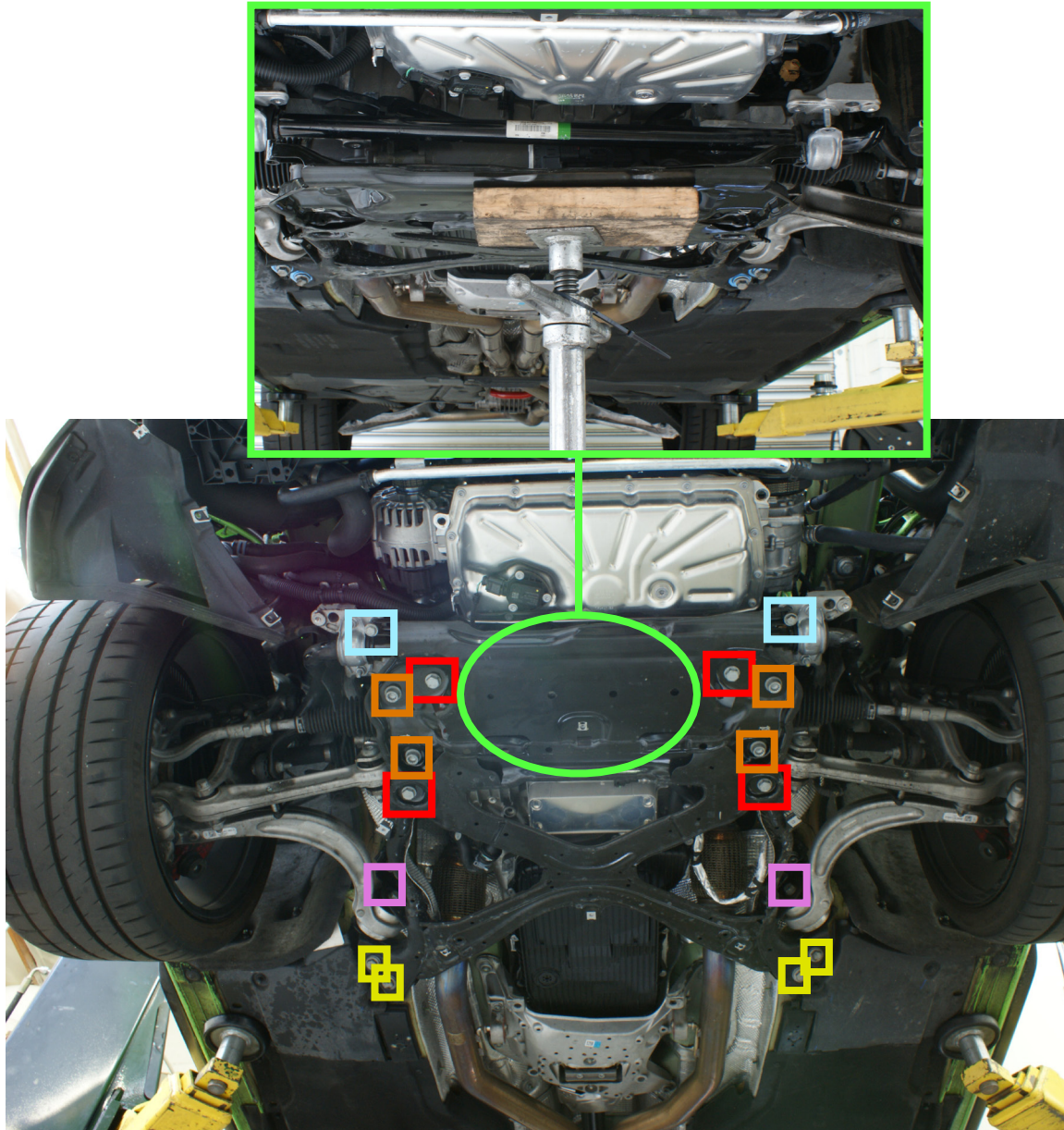
RAISE AND REALIGN SUB-FRAME

Raise subframe slowly and realign it back to match the markings made in Step 6 (page 12).

Once realigned, hand tighten the bolts back into their original location. See next page for locations.

Make sure to reattach the harness to the steering rack. (see bellow, red circles)



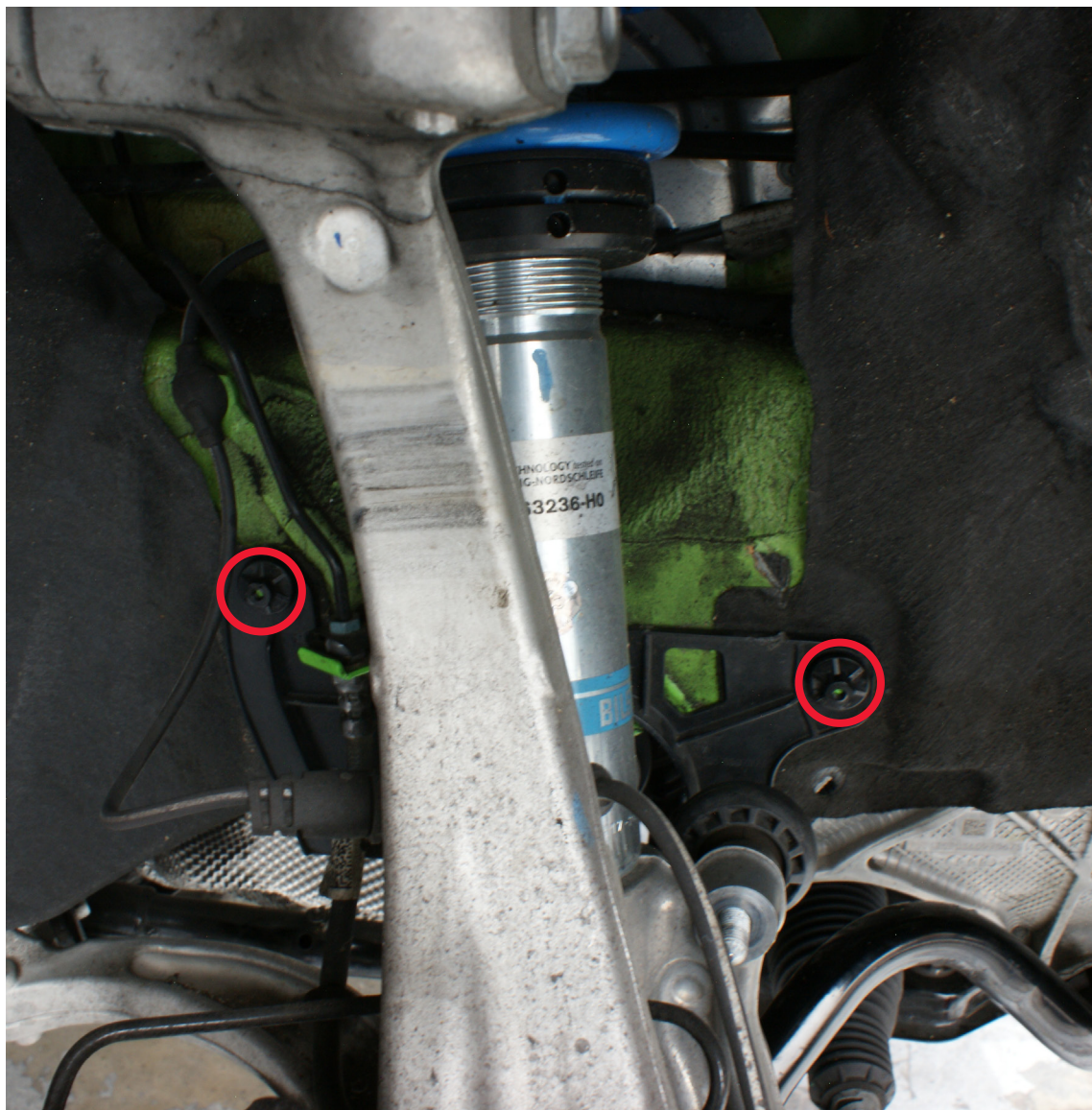


STEP 17:

TORQUE SUBFRAME BOLTS

Torque the following bolts diagonally in stages to the specs and order listed below:

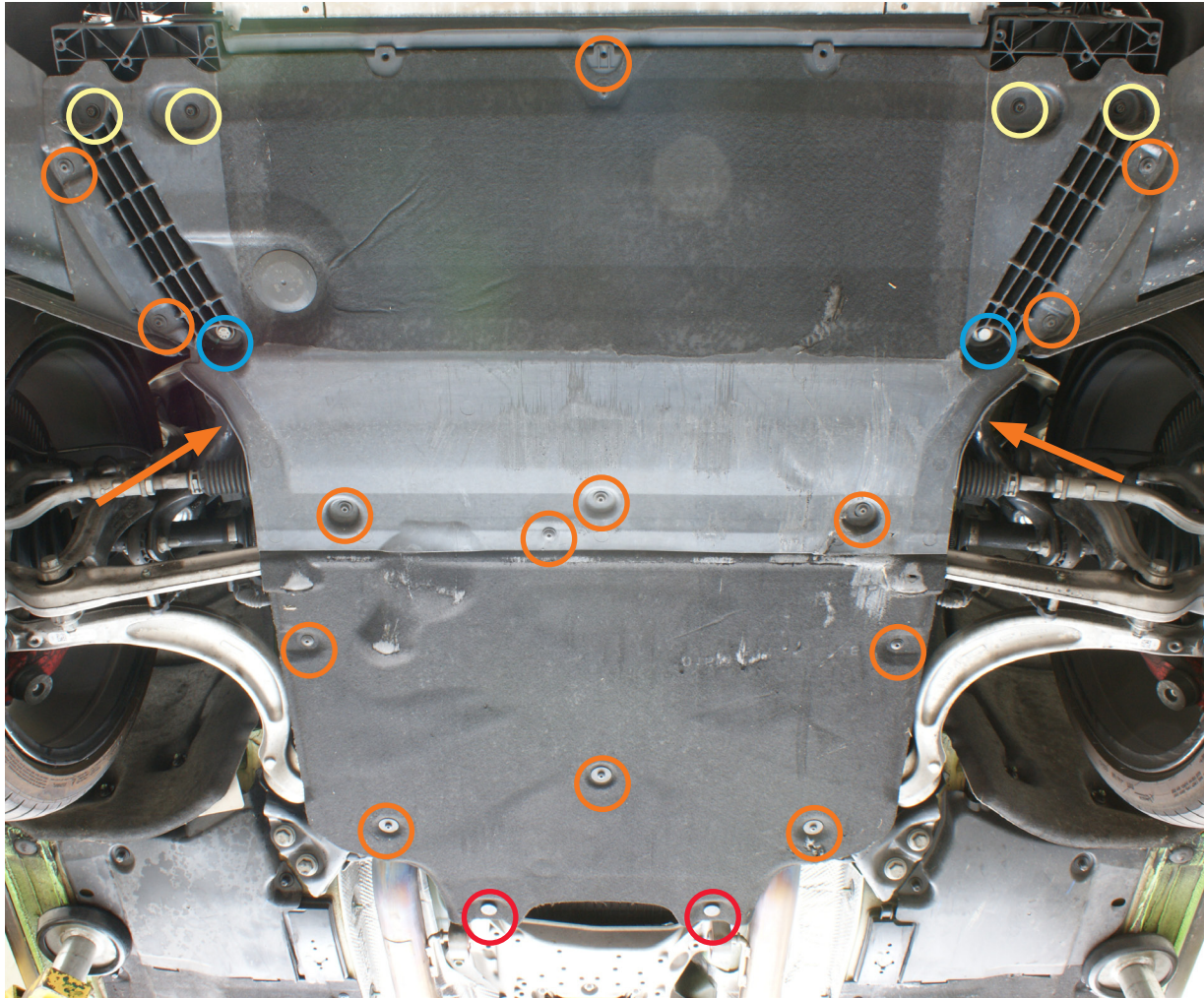
- Yellow (4) - 18mm hex socket to 115Nm + 180°
- Purple (2) - 12mm triple square to 50Nm + 90°, these are hidden (see step 8)
- Red (4) - 18mm hex socket to 90Nm + 90°
- Blue (2) - 13mm hex socket to 30Nm
- Orange (4) - 14mm triple square to 90Nm + 90°



STEP 18:

REINSTALL DRIVE AXLE COVER

On both sides of the car, reinstall the two nuts (circled in red) to 2Nm holding the drive axle cover, pictured on the left.



STEP 19:

REINSTALL BELLY PAN

The bolts that need to be reinstalled for the belly pan are all circled on the left, and are listed in the correct order below.

First install the rear belly pan, then the front.

- Orange (16) - T25
- Red (2) - by hand
- Yellow (4) - T30
- Blue (2) - 13mm hex socket

This completes the front sway bar install.
The rear begins on the next page.

Rear Sway Bar and End Link Install Guide

****IMPORTANT NOTICE****

These links are motorsport items. We recommend using our rubber dust boots (EC0202-0109) to protect and prolong the life of the bearings, especially in harsh weather climates.

COMPATIBILITY

EC Rear End Link + Stock Bar = OK

EC Rear End Link + EC Bar => in hard and medium setting = OK

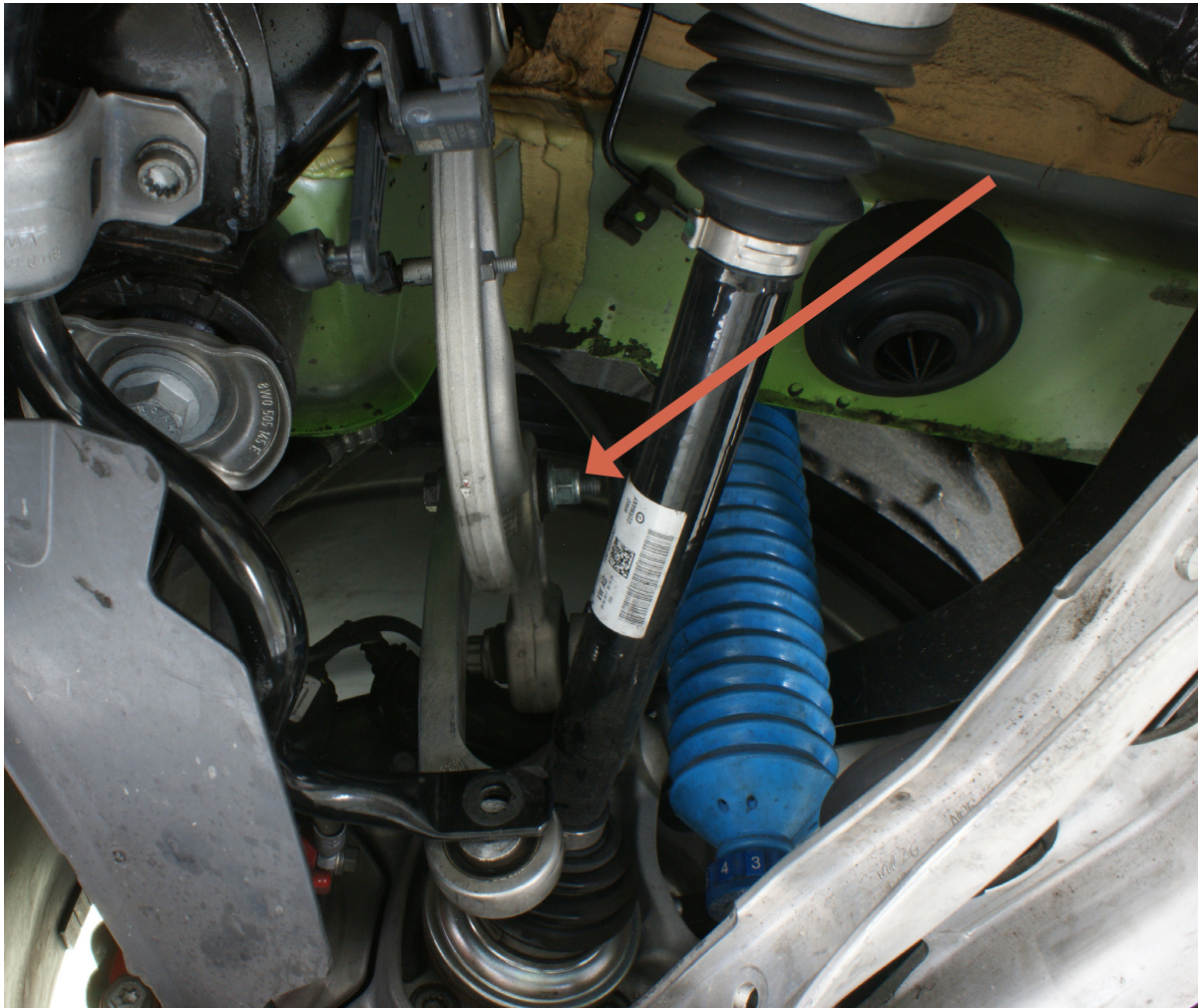
EC Rear End Link + Other Aftermarket Bars = No Guarantee



STEP 1 :

DISCONNECT REAR SWAY BAR FROM ENDLINK

Using two 16mm wrenches, disconnect the lower section of the endlink from the sway bar. Repeat this for the other side.



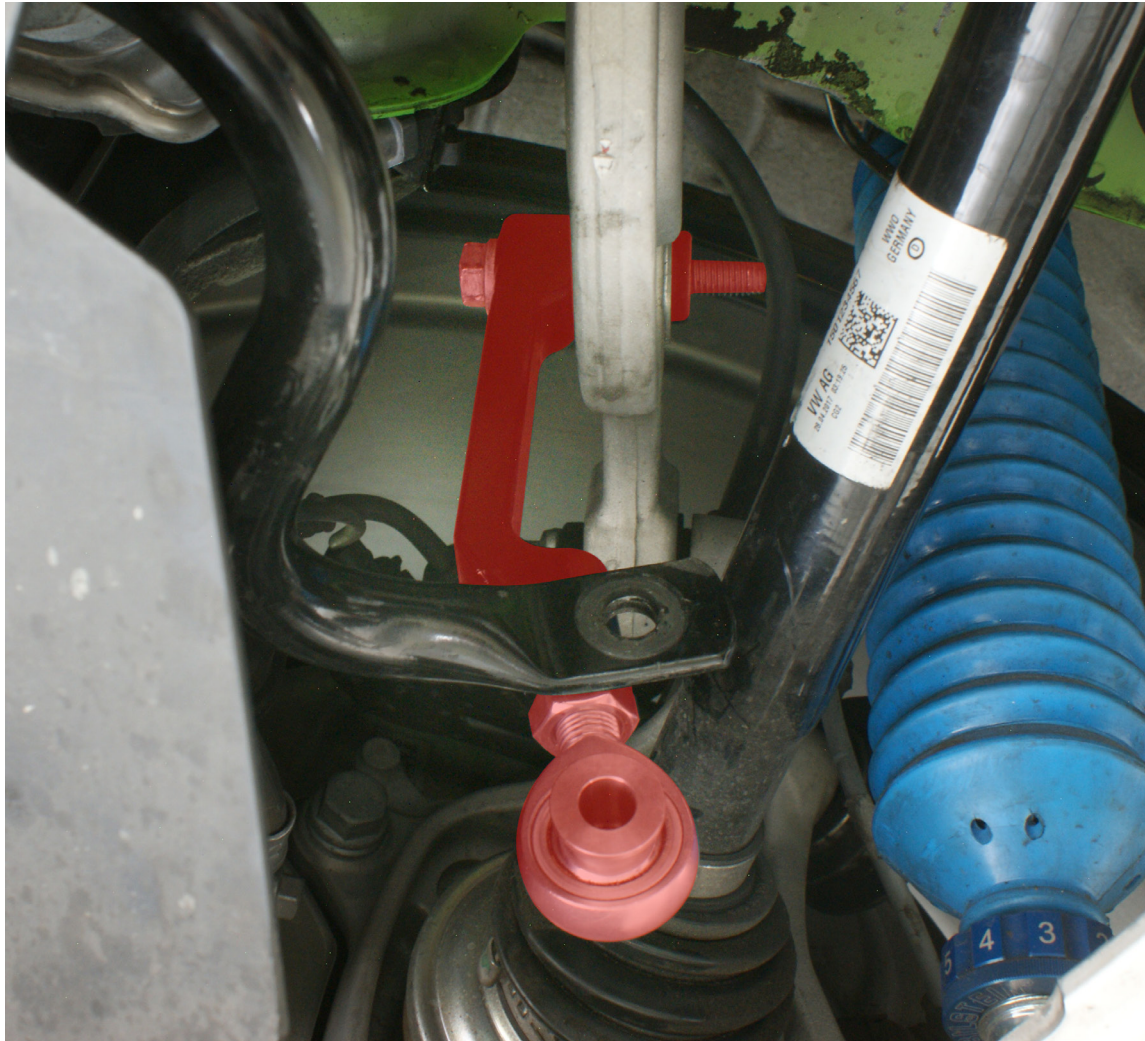
STEP 2 :

COMPLETE REMOVAL OF ENDLINK

Using the same 16mm wrenches from the previous step, disconnect the top section of the endlink.

If installing Eurocode Adjustable Rear Endlinks, use the OEM endlink as reference to properly size the Eurocode Endlinks.

If the car is lowered from factory settings, the length of the Eurocode Billet End Link would need to be longer. To achieve zero preload and ideal settings, we recommend a corner balance at a professional shop.



STEP 3 :

INSTALL EUROCODE REAR ENDLINK

Install Eurocode Endlink in the orientation shown here. Starting with loosely tighten the nut and bolt on the top of the end link.

See step 7 (page 35) for misalignment spacer orientation.



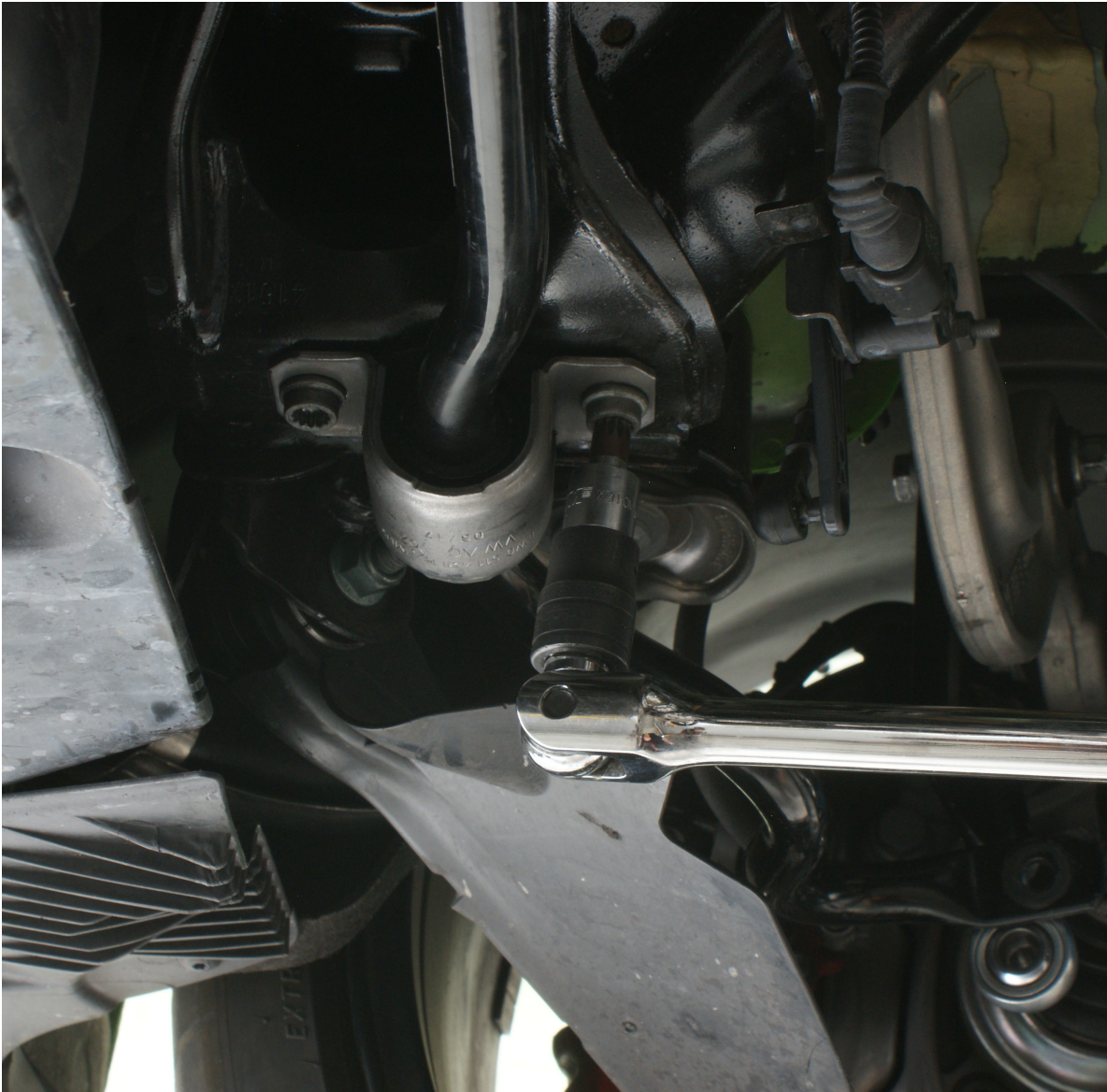
STEP 4 :

COMPLETE EUROCODE END-LINK INSTALL

If not installing Eurocode Rear Sway Bar, complete endlink installation by torquing down lower endlink bolts to $40\text{Nm} + 180^\circ$, using a 16mm wrench and a 16mm hex socket on a torque wrench.

After that, load the car to compress the suspension to static ride height and torque down the upper bolts to $40\text{Nm} + 180^\circ$.

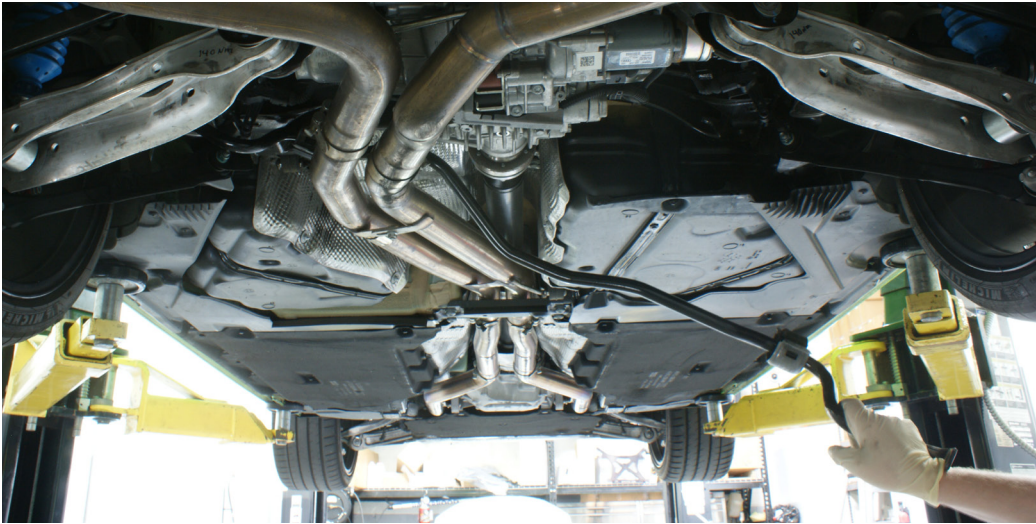
If you are installing the Eurocode Rear Sway Bar skip this and go to step 5 (page 33).



STEP 5 :

REMOVE SWAY BAR BRACK- ETS

Undo the 2 bolts on both the left and right sway bar brackets by using a 10mm triple square.



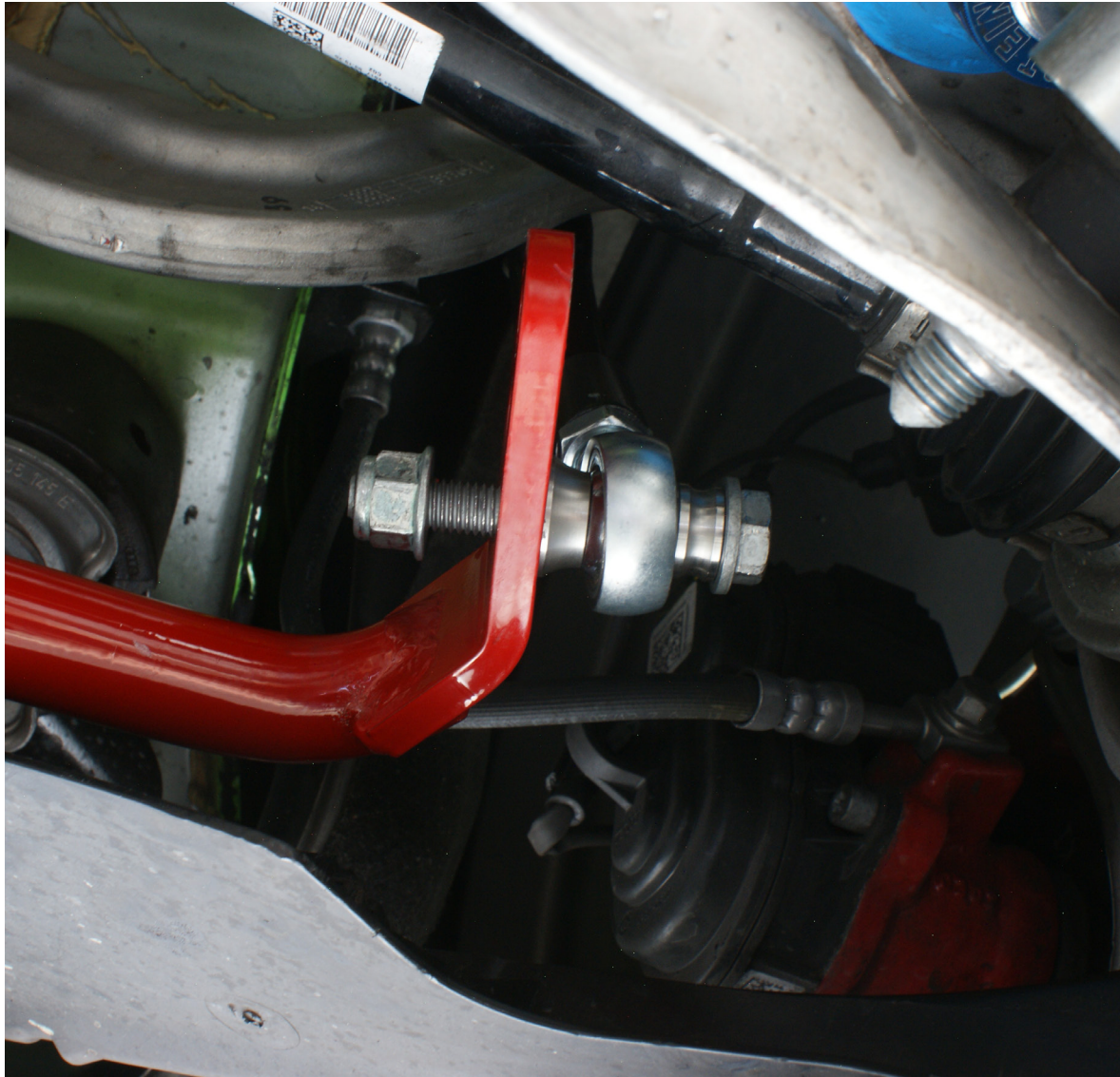
STEP 6:

INSTALL EUROCODE SWAY-BAR

Begin by removing the OEM sway bar over the exhaust and down towards the passenger side of the vehicle.

Working from the passenger side, place the bar over the exhaust and towards the driver side of the vehicle. Ensure that the ends of the bar are oriented towards the back of the vehicle.

We recommend keeping the swaybar in its packaging to prevent damage to the powdercoating of the bar during this stage of installation.



STEP 7 :

ATTACH SWAYBAR TO LOWER END LINK

Once the bar is in place, attach lower portion of end link to sway bar using OEM hardware. Hand tighten the nuts and bolts for now. These will be torqued to spec in step 10 (page 38).

EC Rear End Link + Stock Bar = OK

EC Rear End Link + EC Bar = in hard and medium setting is OK

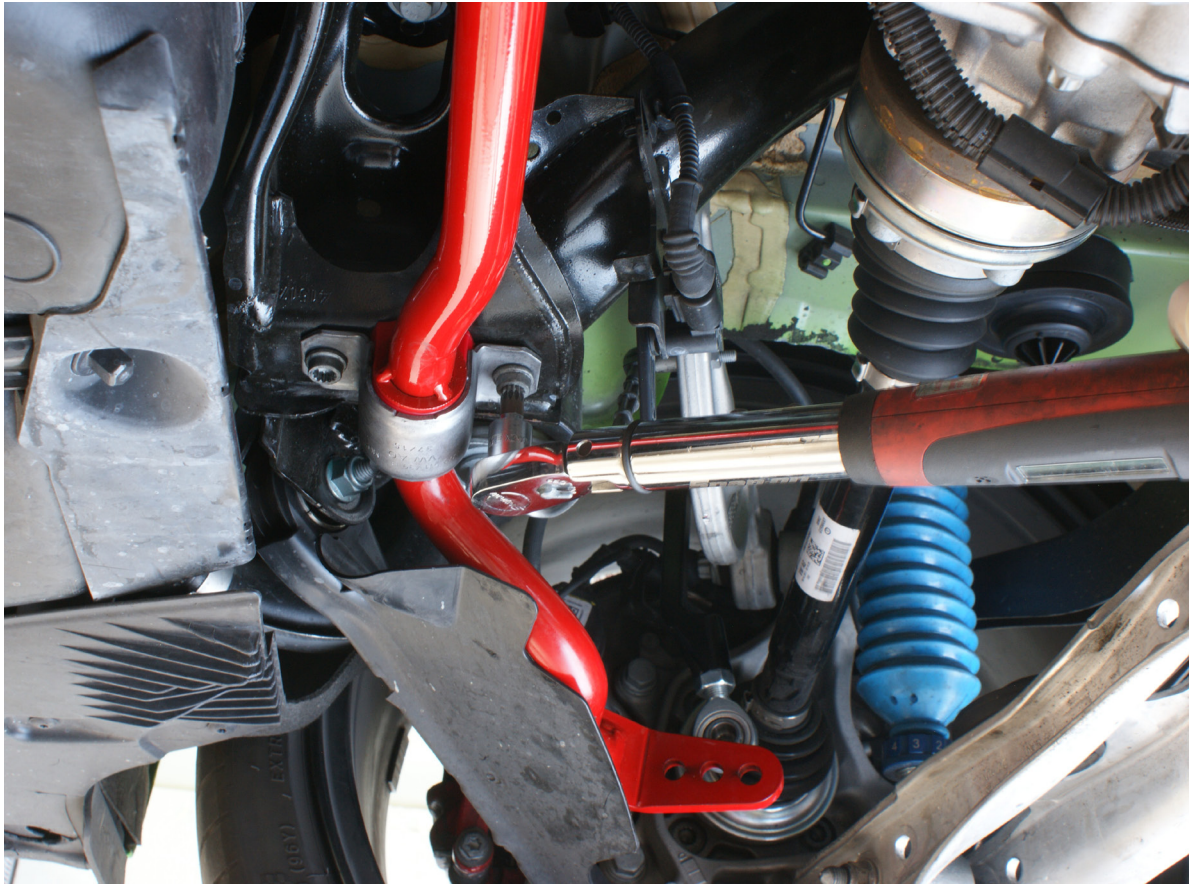
EC Rear End Link + Other Aftermarket Bars = No Guarantee



STEP 8 :

ATTACH OEM BRACKETS AND BUSHINGS

Lubricate the inside of the provided Eurocode bushings with the provided grease and slide onto the sway bar to the outside of the alignment ring. Then place factory bracket over bushing.



STEP 9 :

TORQUE BRACKET BOLTS TO SPEC

Align the completed swaybar bracket assembly into its mounting position and initially hand tighten the bolts, repeat this on the other bracket. Once the bar is mounted in place, finish tightening all four sway bar bracket bolts with a 10mm triple square and torque down to 25Nm + 180°.



STEP 10 :

ATTACH SWAYBAR TO ENDLINK

Torque down lower end link bolt to 40Nm + 180° using a 16mm wrench and a 16mm hex socket, on a torque wrench to complete the sway bar installation. After that, load the car to compress the suspension to static ride height and torque down the upper bolts to 40Nm + 180°.

Remove vehicle from lift and road test.

LIMITED ONE (1) YEAR WARRANTY

Eurocode Tuning, Inc. (EUROCODE) warrants to the original purchaser that our ÜSS Sway Bar Kit or ÜSS End Links (PRODUCT) will be free of defects in material and workmanship for a period of one (1) year from the date of purchase.

This Warranty applies only to the original purchaser of the PRODUCT. To obtain any warranty service, you must provide EUROCODE with proof of purchase and date of purchase acceptable to EUROCODE, such as a copy of your purchase receipt. This warranty does not cover the removal or reinstallation of the product. EUROCODE will, at its option, repair, replace or refund the purchase price of a defective component, provided you return the defective component during the warranty period, transportation charges prepaid, to Eurocode Tuning's Service Department or a Factory Authorized Service Center.

Attach your name, address, telephone number, a description of the problem, and a copy of your sales receipt. All returns must be accompanied by a Return Goods Authorization (RGA) number and such number shall be written clearly on the outside of the box. RGA numbers may be obtained by calling EUROCODE at 1-310-294-8108. This warranty does not apply to the (i) metal finish or (ii) if the product/component has been damaged by accident, abuse, misuse, collision, modification, misapplication, improper installation, or improper service. This warranty is void if any EUROCODE serial number has been removed or defaced. Commercial or industrial use or application, or any motorsports use voids the warranty.

THE WARRANTY SET FORTH ABOVE IS THE ONLY WARRANTY. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTY WHICH BY LAW MAY NOT BE EXCLUDED IS LIMITED IN DURATION TO ONE (1) YEAR FROM THE DATE OF ORIGINAL RETAIL PURCHASE OF THE PRODUCT.

No EUROCODE dealer, agent or employee is authorized to make any modification, extension or addition to this warranty.

EUROCODE SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, DOWN TIME OR LOSS OF USE) UNDER ANY LEGAL THEORY, EVEN IF EUROCODE WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the exclusion of implied warranties or the exclusion or limitation of liability for incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights. You may also have other rights that vary from state to state. EUROCODE reserves the right to change Product/component design without notice. In situations in which EUROCODE has changed a Product/component design, EUROCODE shall have no obligation to upgrade or otherwise modify previously manufactured Products/components.

Warranty inquiries and Products returned for warranty service should be sent to:

Eurocode Tuning, Inc.

Customer Service Department

1872 Del Amo Blvd

Torrance, CA 90501

1-310-294-8108

1-310-212-7141 International Fax