

**OPEN FIRST!**



1131 VIA CALLEJON, SAN CLEMENTE, CA 92673

# Installation Instructions

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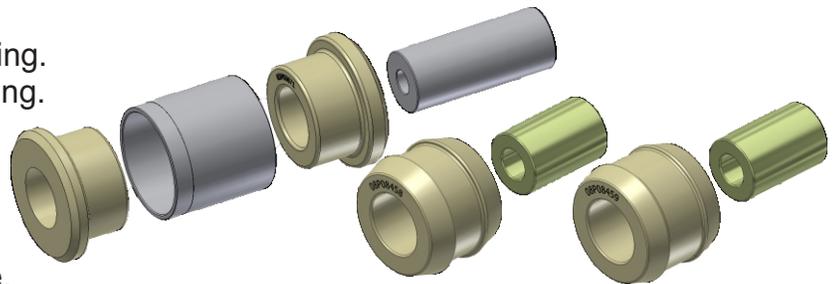
Rear Control Arm Bushing Set  
2012-2020 TESLA MODEL S

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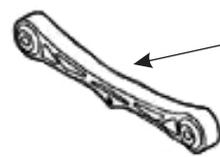
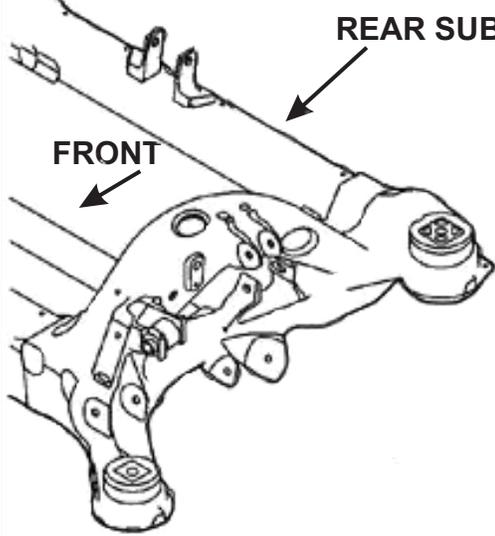
It is recommended that if you are unfamiliar with this work that you refer to a qualified service center specializing in this type of work. It is also recommended that if you choose to do this work yourself that a service manual be obtained for the proper procedures pertaining to removal, replacement and proper torque specifications for your vehicle. This instruction set is intended as a guideline for the safe installation of Energy Suspension's polyurethane bushings, once you have removed the factory components from your vehicle. Wheel alignment is disturbed when suspension components are removed or replaced. It is recommended that you have the alignment checked on your vehicle at a qualified alignment shop. Energy Suspension recommends that you read over all the installation instructions and check all P/N's and quantities in the parts list before you start. Call customer service at 949-361-3935 if the parts in your kit do not match this parts list. Prior to installation, make sure that your vehicle is in top mechanical condition and that there are no suspension or steering related problems. These parts have been designed to work only with a factory original suspension components on a vehicle that is in good state of repair. No matter how carefully we design our parts, we have no control over and cannot be held responsible for vehicle condition.

## Parts List:

- 4 - 03P03671 Lower control arm outer bushing.
- 4 - 03P03672 Lower control arm inner bushing.
- 2 - 08P08458 Rear upper toe link bushing.
- 2 - 08P08459 Rear upper link bushing.
- 4 - 15P0207438 Lower control arm shell.
- 4 - 15P1078738 Lower control arm sleeve.
- 4 - 15P1078939 Toe link & upper link sleeve.

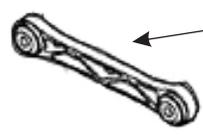


## Rear Suspension - Component Location



### Rear Upper Link.

O.E. Rubber bushing Metal shell must be removed. **DO NOT** Remove Ball & Socket bushing from Upper Link. This position **IS NOT** supplied.



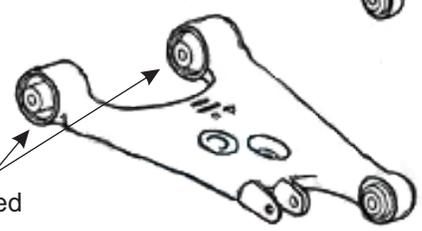
### Toe Link.

O.E. Rubber bushing Metal shell must be removed. **DO NOT** Remove Ball & Socket bushing from Toe Link. This position **IS NOT** supplied.



### Connecting Link.

**DO NOT** Remove O.E. Ball & Socket bushings from connecting link. bushings **ARE NOT** supplied.



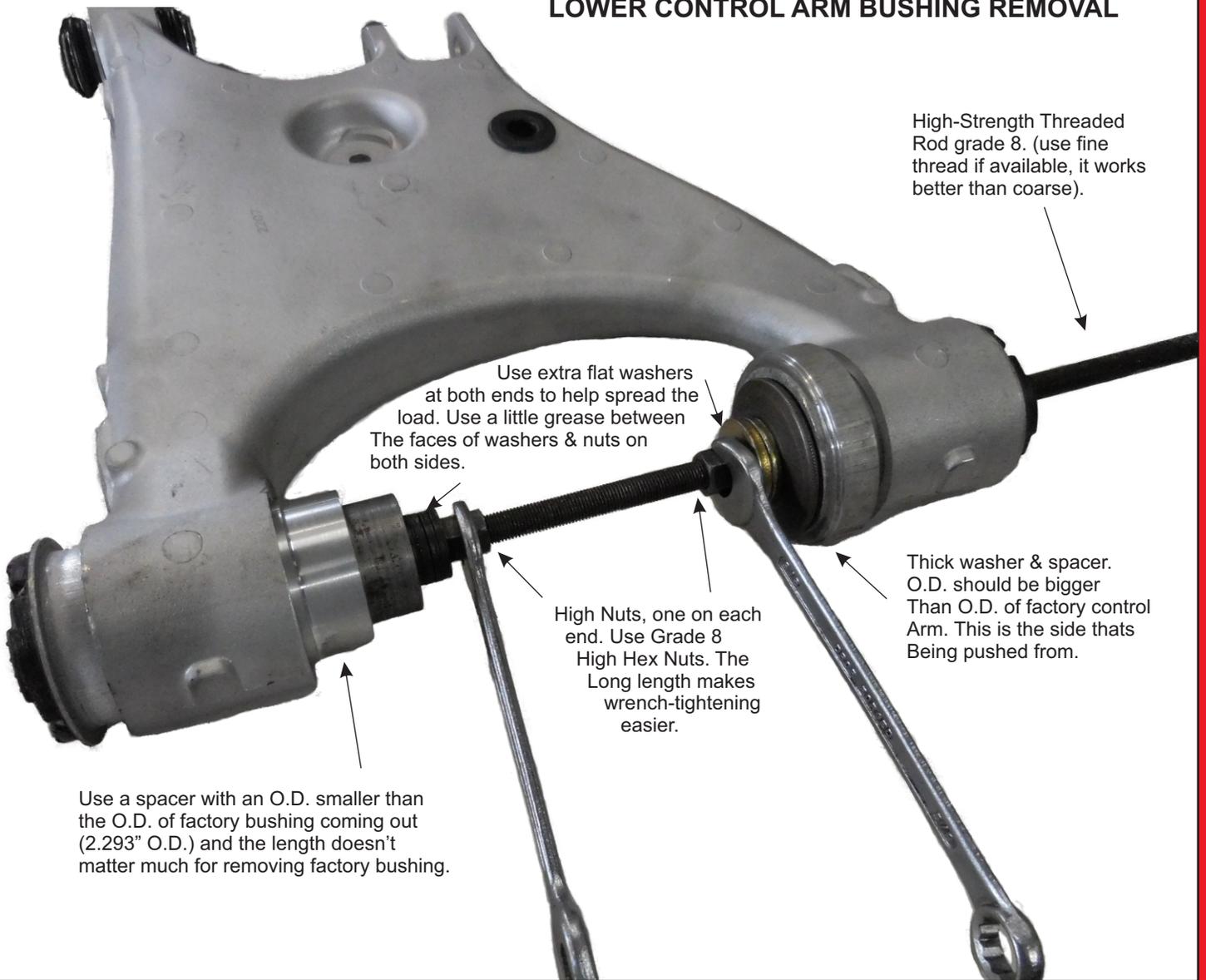
### Lower Control Arm.

**DO NOT** Remove O.E. Ball & Socket bushing from outer position. This position **IS NOT** supplied.

**Lower Control Arm.** O.E. Metal shells must be removed from inner positions.

**NOTE:** This instruction set is intended as a guideline for the safe installation of Energy Suspension's polyurethane bushings, once you have removed the factory components from your vehicle according to the vehicle service manual.

## LOWER CONTROL ARM BUSHING REMOVAL



High-Strength Threaded Rod grade 8. (use fine thread if available, it works better than coarse).

Use extra flat washers at both ends to help spread the load. Use a little grease between The faces of washers & nuts on both sides.

High Nuts, one on each end. Use Grade 8 High Hex Nuts. The Long length makes wrench-tightening easier.

Thick washer & spacer. O.D. should be bigger Than O.D. of factory control Arm. This is the side that's Being pushed from.

Use a spacer with an O.D. smaller than the O.D. of factory bushing coming out (2.293" O.D.) and the length doesn't matter much for removing factory bushing.

To remove factory bushing metal shell from control arm use all-thread, high nuts, flat washers and spacers. Use wrenches to turn the nuts to push the old metal shell out. Flip the spacers around to push out the other metal shell. Use green Loctite 680 on the inside of the control arm and outside of the new shell and press in shell flush with control arm.

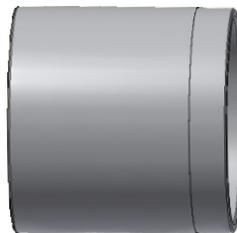
Grease all sides of the bushing that will contact metal and press in bushings then the sleeve.



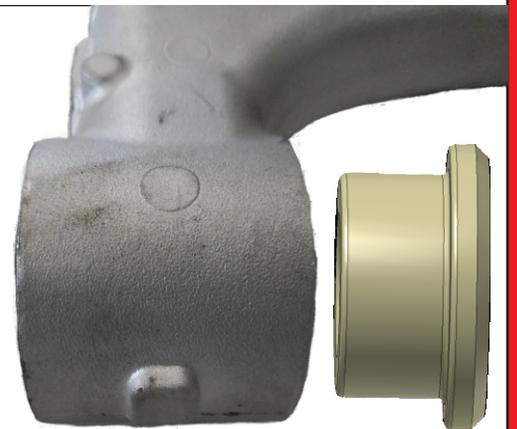
Sleeve  
15P1078738



Outer bushing  
03P03671



Shell  
15P0207438



Rear lower control arm



Inner bushing  
03P03672

Toe Link shown, Rear Upper Link will be the same.

Tube with outside smaller than  $\text{Ø}1.739''$

Inside of Toe Link & Rear Upper Link is  $\text{Ø}1.739''$

Support tube with inside larger than  $\text{Ø}1.739''$

Using a hydraulic press, properly support the Toe Link or Rear Upper Link and carefully press out the rubber bushings with bonded outer metal shell. **DO NOT** remove ball & socket bushing from ether link, they are needed for the free movement not to over stress the links and **ARE NOT** supplied.

Toe Link shown, Rear Upper Link will be the same.

15P1078939

08P08458

Toe Link

Rear upper Link uses 08P08459

Grease the inside of Toe Link or Rear Upper Link, inside & outside of bushing 08P08458 or 08P08459 And outside of sleeve 15P1078939. Press in bushing with an arbor press with a quick pull of the handel snapping the bushing into the eye then press in the inner metal sleeve.

Tighten all fasteners to factory specs. After Installation is complete, Energy Suspension recommends an alignment be performed at a qualified Alignment shop. Check all fasteners after 100, 200 and 500 miles and tighten to factory specs.