

Installation Instructions

Set No. 7.3127

Front Control Arm Bushing Set
2004-2015 Nissan Titan



1131 VIA CALLEJON, SAN CLEMENTE, CA 92673

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It is recommended that if you are unfamiliar with this type of work that you seek out and hire a competent service center. It is also recommended that if you choose to do this work yourself that a factory service manual be obtained for the proper procedures pertaining to removal, replacement, proper torque specifications and identifying TTY hardware for your vehicle. These instructions are provided 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 almost always disturbed when suspension components are removed or replaced. It is recommended that you have the alignment checked on your vehicle at a competent alignment shop. Energy Suspension recommends that you read over all the installation instructions and check all Part Numbers's and quantities in the Parts List before you start. Call customer service at 949-361-3935 if the parts in your Set do not match the Parts List. Prior to installation, make sure that your vehicle is in good mechanical condition and that there are no suspension or steering related problems. These parts have been designed to work only with a vehicle that is in a good state of repair.

PARTS LIST:

4 ea.	02P02996	Lower control arm bushing, outer.
4 ea.	02P02997	Lower control arm bushing, inner.
4 ea.	03P03673	Upper control arm bushing, outer.
4 ea.	03P03674	Upper control arm bushing, inner.
4 ea.	15.10.558.39	1.00 x .563 x 2.150 Upper sleeve.
4 ea.	15P1075139	1.00 x .563 x 2.870 Lower sleeve.



Be sure to place matchmarks on the front and rear adjusting cams before you start. You will need to use these matchmarks to reinstall the lower control arms back in the same position after the new polyurethane bushings are installed.

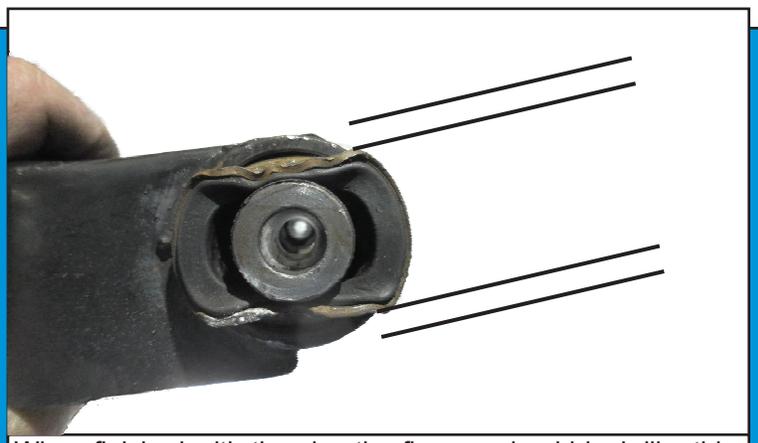
Upper Control Arm



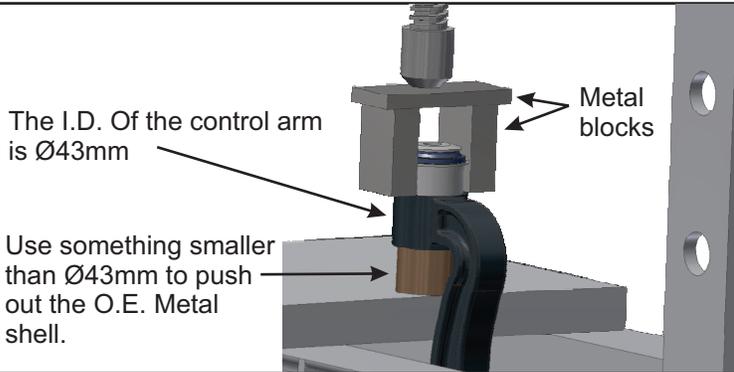
Use a hammer and punch to bend the flange of the Metal shell. Do the same thing 180° from the first bend.



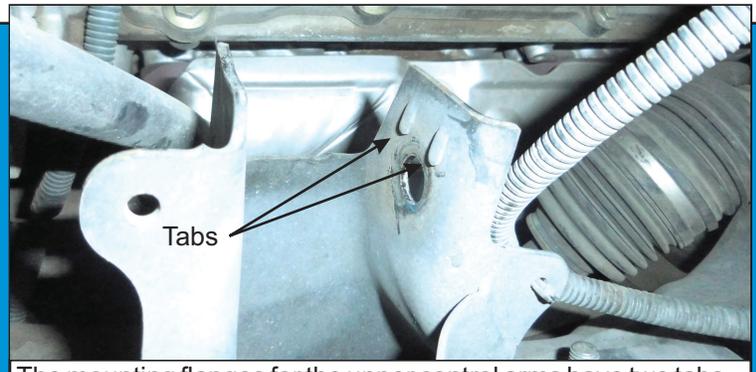
Using a vice, place the bent flanges between the jaws and tighten the jaws bending the flanges even more.



When finished with the vice the flanges should look like this. This will allow you to press down on the control arm without the flanges getting in the way.



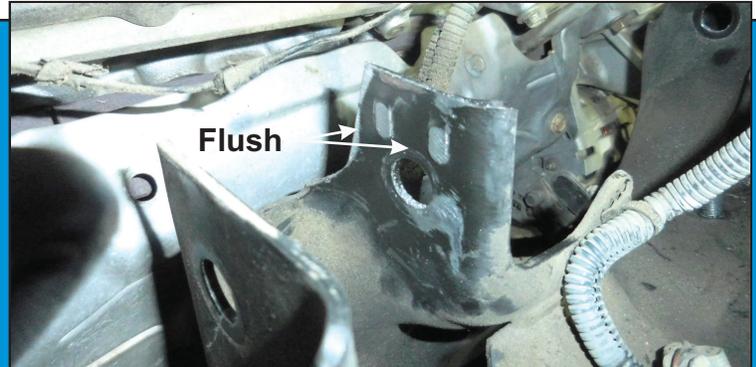
Place some metal blocks on top of the control arm and press down to remove the O.E. metal shell.



The mounting flanges for the upper control arms have two tabs that must be flush with the flange. Use a file or grinder to take them down flush with the flange.



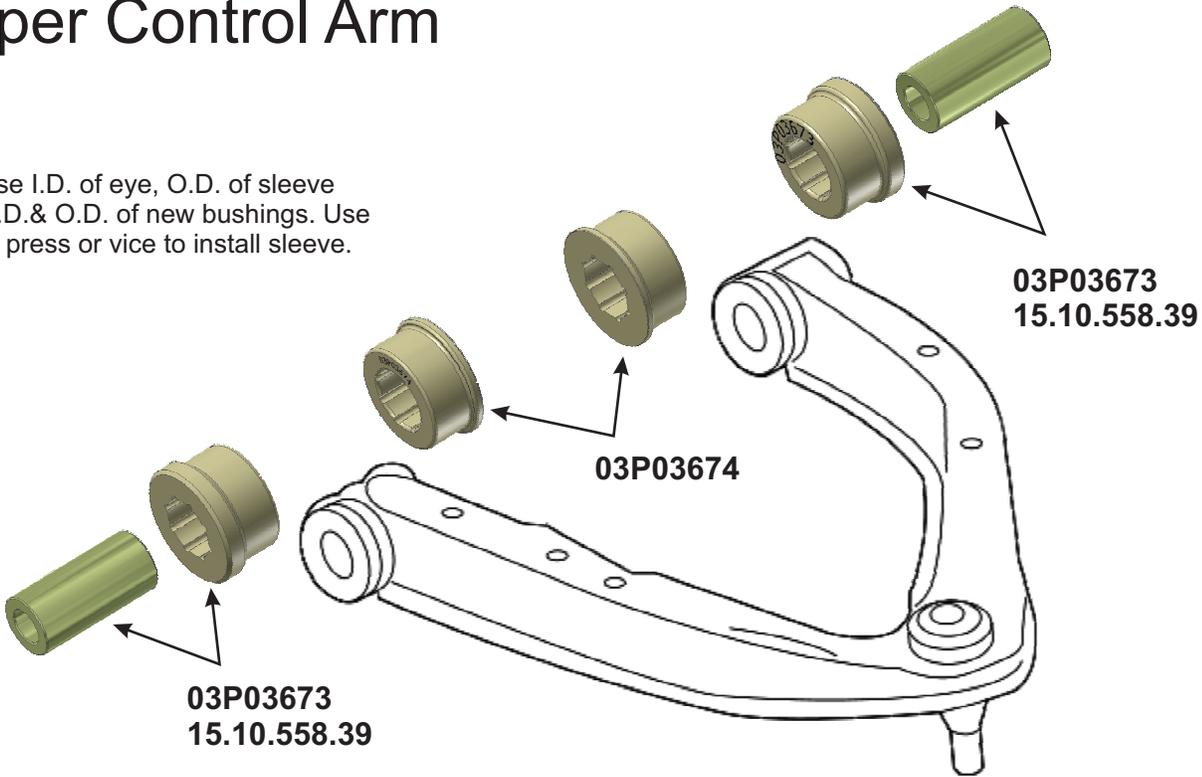
Using a metal file, file down the two tabs flush with the mounting flange. This will need to be done in four places.

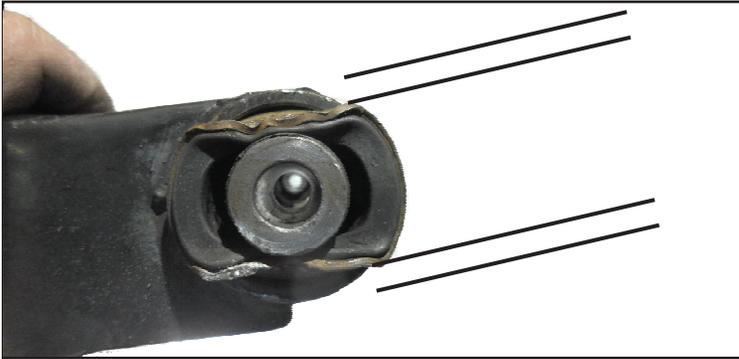


When finished the tabs should look like this.

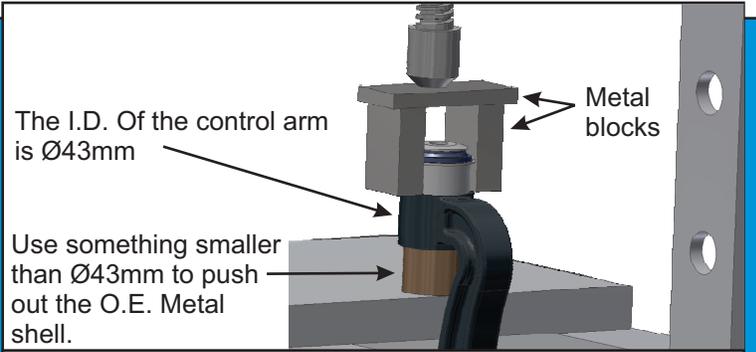
Upper Control Arm

Grease I.D. of eye, O.D. of sleeve and I.D. & O.D. of new bushings. Use arbor press or vice to install sleeve.

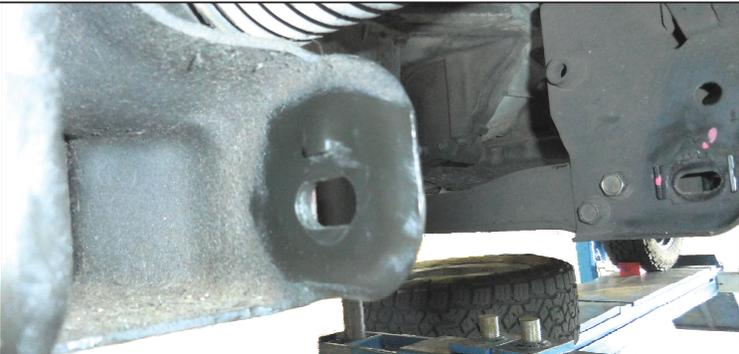




Removing the lower control arm O.E. bushings will be the same as the upper control arm. Bend the flanges the same way the upper control arm was done.



The lower control arm O.E. bushings are the same size (Ø43mm) only longer, use the same press setup as the upper control arm to remove the bushings.



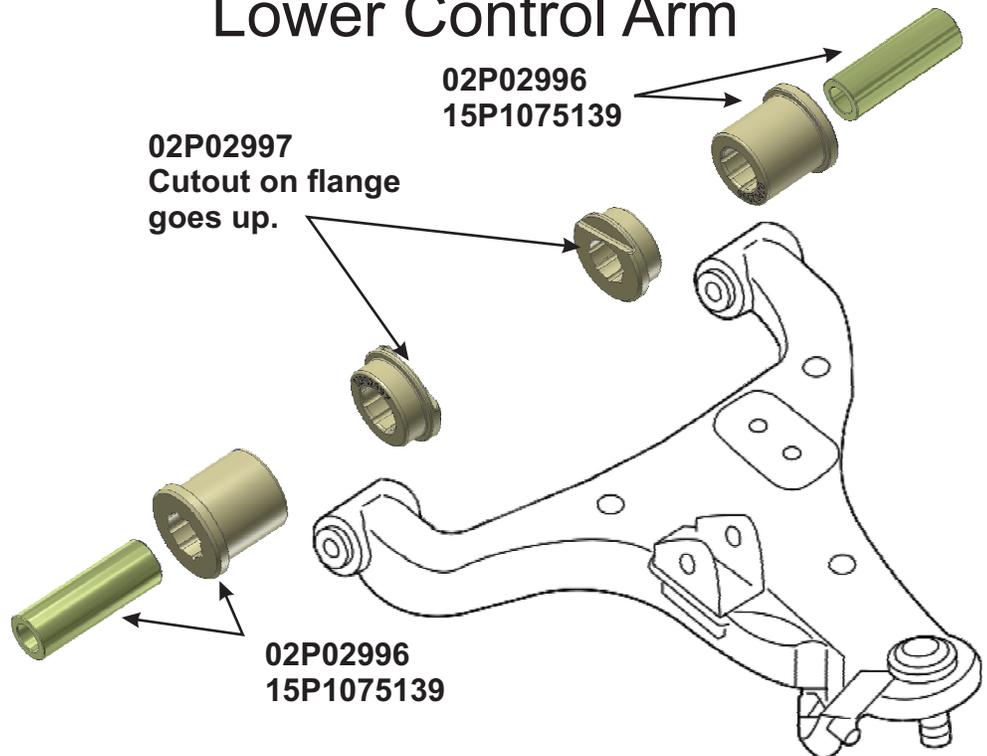
The flanges on the frame for the lower control arm are not the same as the upper flanges. **DO NOT REMOVE TABS.** Bushing 02P02997 has cutout on bushing flange for clearance.



Be sure to place matchmarks on the front and rear adjusting cams before you start. You will need to use these matchmarks to reinstall the lower control arms back in the same position after the new polyurethane bushings are installed.

SPECIFICATIONS:
 Note: Always replace cotter-pins with new.
 Upper shock mounting nuts 22 ft-lb
 Lower shock bolt 99 ft-lb
 Upper control arm nut & bolt 107 ft-lb
 Upper ball joint nut 58 ft-lb
 Tie-rod nut 63 ft-lb
 CV axle nut 101 ft-lb **
 CV axle flange bolts 54 ft-lb
 Lower ball joint pinch bolt & nut 70 ft-lb **
 Lower cam bolt & nut 96 ft-lb
 Sway bar end link nuts 52 ft-lb **
 : **TTY hardware, must always replace after every disassembly.
 Grease I.D. of eye, O.D. of sleeve and I.D.& O.D. of new bushings. Use arbor press or vice to install sleeve. Excess grease can be used on next bushing or inside of mounting flange. After the new polyurethane bushings are installed, reinstall the lower control arms back in the same position by adjusting the cams and lining up the matchmarks.
 Torque all nuts and bolts before driving and visually inspect and re torque all fasteners after 200, 500 & 1000 miles. Recheck fasteners during routine vehicle service.

Lower Control Arm



IMPORTANT: Have the alignment checked on your vehicle at a qualified alignment shop.