## Installation instructions

For set # 3.4169 2010-12 Sub Frame Bushings PAGE 1 of 2



It is recommended that if you are unfamiliar with this type of 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 factory 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.

#### Parts list:

- 2 4272 Front Position Bottom Bushing
- 2 4273 Front Position Top Bushing
- 2 4274 Rear Position Top Bushing
- 2 4275 Rear Position Bottom Bushing
- 2 15.10.614.39 Front Position Sleeve
- 2 15.10.615.39 Rear Position Sleeve
- 1 17547 Instruction Sheet pg.1-2



- 1. Remove left and right rear tire, then unbolt the rear caliper from the rear knuckle. There will be one bolt to remove on the brake line for both sides. Hang the calipers aside. Be sure not to kink the brake lines.
- 2. Be sure to have the e-brake released to disconnect the e-brake cables from the back of the rear knuckles. You will need to get a hold of the e-brake cable and pull away from the knuckle to get the slip grommet clear of the knuckle (SEE PICTURE A). Then unhook the e-brake cable from the hook on the back of the rear knuckle on both sides (SEE PICTURE B). Once the brake cable is disconnected you will need to release the e-brake cable guide clamp about 25 inches up the cable (SEE PICTURE C). (No tools required to disconnect the e-brake)
- 3. Under the car on the passenger side by the forward sub frame mount and the body there is a connector that needs to be disconnected. This is for the ABS sensors, this can be done without tools.

(SEE CONNECTOR IN PICTURE D)

- 4. You will need to remove the rear struts from both sides. There are four bolts on the upper and one on the lower. You will want to mark the top plate of the strut with a paint marker to get them back in the same location. Remove these and set them aside.
- 5. You will need to mark the alignment with the drive shaft damper and the differential using a paint stick or marker. You will want to make sure they are connected in the same orientation when reassembling. Remove the three hex head bolts, there is a pilot shaft on the differential side and a pilot hole on the damper side, so that they will stay in place until the sub frame is ready to come out. (Note: this will need to be supported when the sub frame is being lowered down so you do not damage the drive shaft shield). (SEE PHOTOS)









**PICTURE C** 

PICTURE D





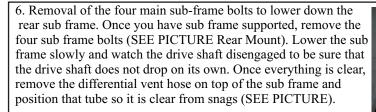


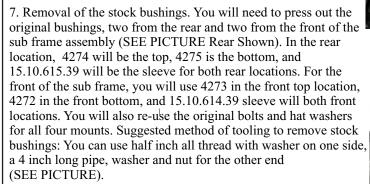


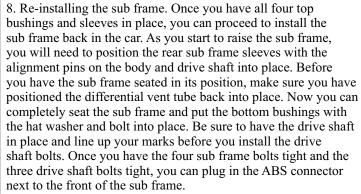
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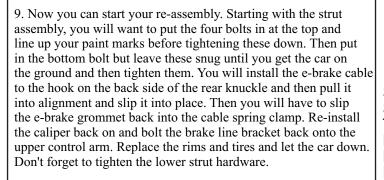
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**REAR MOUNT** 

FRONT MOUNT





Suggested Tooling

**DIFF VENT TUBE** 





# TORQUE SPECS.

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Sub Frame to body bolts, frt pos. (74 lbf·ft + 110°) Sub Frame to body bolts, rr pos. (74 lbf·ft + 110°) Top strut bolts (43 lbf·ft)
Bottom strut bolt (59 lbf·ft + 120°)
Brake caliper bolts (81 lbf·ft)
Drive shaft hex bolts (72 lbf·ft)