

This instruction is intended as a guideline for the safe installation of Energy Suspension polyurethane bushings after original equipment has been removed from the vehicle. It is recommended that you utilize a qualified service center for the replacement of these components if you are unfamiliar with vehicle chassis and suspension repair work. Reference vehicle manufacturer's service manual for component removal and replacement procedures and torque specifications. Before beginning work, read these instructions thoroughly and verify that parts received match P/Ns and quantities in parts list. In the case of discrepancy, contact Energy Suspension Customer Service (949-361-3935). Because wheel alignment is altered when suspension components are removed and replaced, it is highly recommended that your vehicle be checked and adjusted by a qualified alignment shop prior to use. Energy Suspension parts are designed to work with vehicles in good state of repair. We cannot be held responsible for suspension or steering related problems occurring due to poor vehicle maintenance.

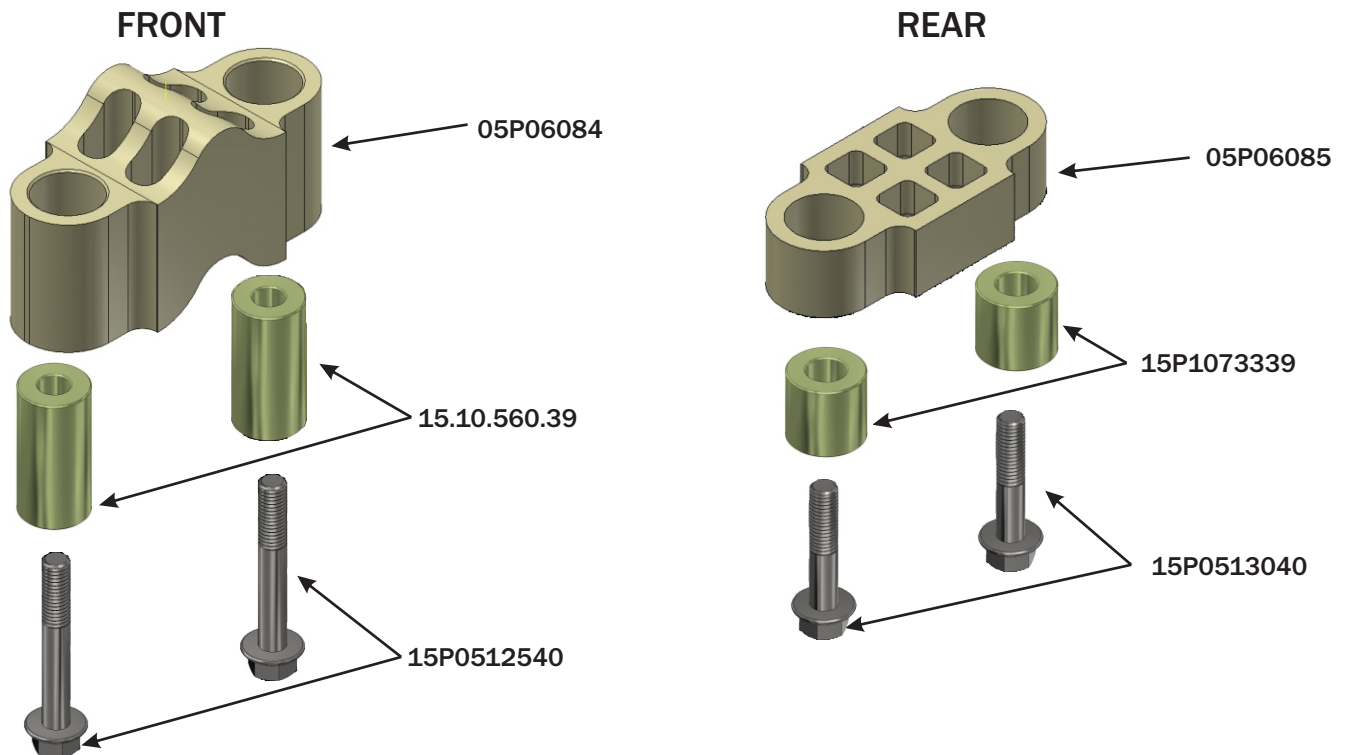
PARTS LIST

QTY:	P/N:	DESCRIPTION:
2	05P06084	2" SPACER, FRONT
2	05P06085	1" SPACER, REAR
4	15P0512540	BOLT, M10 X 1.50 X 70mm, 10.9
4	15P0513040	BOLT, M10 X 1.50 X 50mm, 10.9
4	15.10.560.39	SLEEVE, 1.00" X .437" X 1.960"
4	15P1073339	SLEEVE, 1.00" X .500" X .960"

For optimum performance, it is recommended that Energy Suspension front and rear sway bar bushings are installed at the same time as this 2.9109 Sway Bar Spacer Set. Available set numbers are:

- 2.5115 Front Sway Bar Set (32mm) RUBICON ONLY
- 2.5116 Front Sway Bar Set (33mm) (Sahara and Sport Models)
- 2.5117 Rear Sway Bar Set (17mm) (Rubicon Only)
- 2.5118 Rear Sway Bar Set (19mm) (Sahara and Sport Models)

Note: Rubicon models also require Smart Bar Flip Set 2.9110



FRONT

1. Prepare Vehicle for Work.
 - a. If using jack stands: Ensure vehicle is on level ground and chock rear tires. Jack front of vehicle until front wheels are off ground and support vehicle at frame with jack stands. Support front axle with hydraulic jack.
 - b. If using vehicle lift: Lift vehicle by frame and ensure lift does not inhibit suspension motion.
2. Remove front lug nuts and wheels.
3. Remove front brush guard.
4. Remove sway bar bracket bolts and allow sway bar to swing down.
5. Push tubular sleeves into poly spacers.
6. Place spacers with sleeves on sway bar brackets with pockets in poly spacers facing upward toward frame.
7. Lift assembly into position, install new bolts, and torque to specification (Image 1).

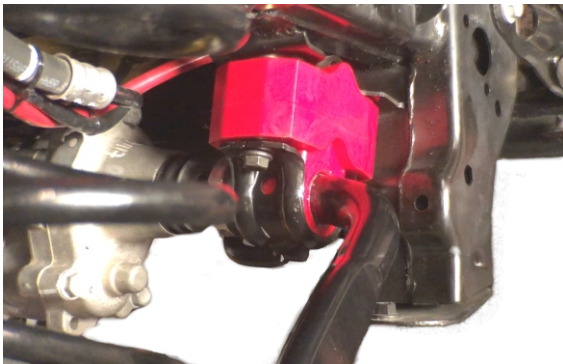


Image 1. Front Sway Bar Spacer and Bushing.

8. Install front brush guard.

REAR

9. Prepare vehicle in like manner for rear axle as performed in step 1 for front, then perform steps 2, 4, 5, 6 and 7 on rear suspension (Image 2).



Image 2. Rear Sway Bar Spacer and Bushing

10. Remove bolts from lower ends of sway bar end links.
11. Mark locations on axle and center punch for drilling one inch above existing holes in end link mounting tabs.
11. Drill 31/64" diameter holes in axle at defined locations (Image 3).



Image 3. New and Existing Hole in Sway Bar Mounting Tab

12. Paint exposed metal with touch up paint.
13. Install bolts connecting lower ends of sway bar end links at new holes in axle.
14. Torque fasteners to specification.
15. Road test vehicle. Re-torque after 500 miles.

Safety Warning

Installation of suspension lift kits (or devices) raises the center of gravity of a vehicle. This may create or increase the risk of vehicle instability and can result in vehicle rollover or other mishaps. Such incidents could lead to vehicle damage as well as injury or death to the vehicle driver, occupants and bystanders. Caution should be used when operating the vehicle by reducing speed and avoiding sharp turns and abrupt maneuvers. Driver and vehicle occupants should wear seat belts at all times. Do not add any parts or alter the Energy Suspension components to increase vehicle height over the intended height of the Energy Suspension lift set. Mixing component brands is not recommended. Consumer agrees to indemnify and hold Energy Suspension harmless for any and all injuries, damages or claims resulting directly or indirectly from the purchase, ownership, installation or use of Energy Suspension products.