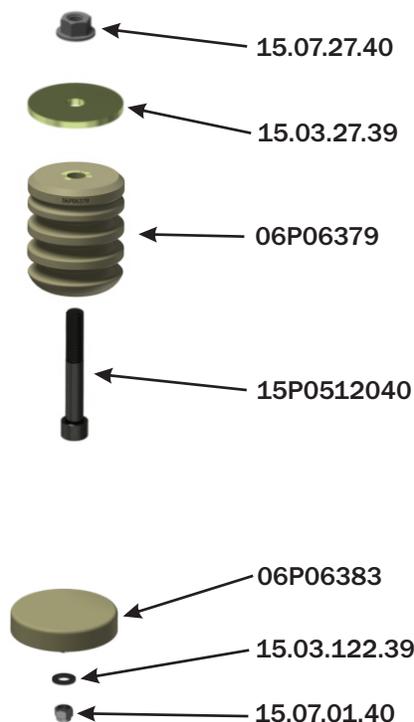


This instruction is intended as a guideline for the safe installation of Energy Suspension polyurethane bushings after original equipment has been removed from the vehicle. It is recommended that you utilize a qualified service center for the replacement of these components if you are unfamiliar with 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.

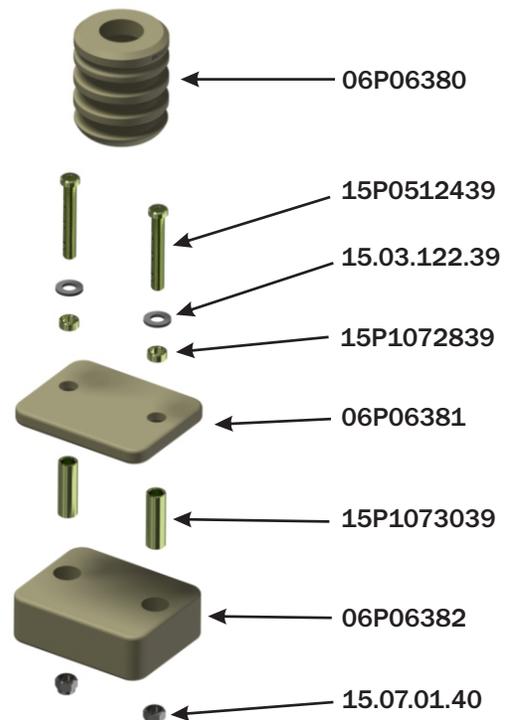
PARTS LIST

QTY:	P/N:	DESCRIPTION:
2	06P06379	JOUNCE BUMPER, FRONT
2	06P06380	JOUNCE BUMPER, REAR
2	06P06381	.5" SPACER, JOUNCE BUMPER, REAR
2	06P06382	1.5" SPACER, JOUNCE BUMPER, REAR
2	06P06383	SPACER, JOUNCE BUMPER, FRONT
2	15.03.27.39	WASHER, 2.50" X .50" X .187"
6	15.03.122.39	WASHER, 20mm X 10.5mm X 2mm
2	15P0512040	BOLT, M12 X 1.75 X 80mm, 10.9
4	15P0512339	BOLT, 3/8-16 X 1.25" USE WITH .5" LIFT SPACER (NOT SHOWN)
4	15P0512439	BOLT, 3/8-16 X 2.50"
6	15.07.01.40	NUT, LOCK, 3/8-16"
2	15.07.27.40	NUT, FLANGE, LOCK, 12mm X 1.75
4	15P1072839	SLEEVE, .563" X .397" X .250"
4	15P1073039	SLEEVE, .563" X .397" X 1.750"

FRONT



REAR



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. Lift front axle with jack until shocks are unloaded (not fully extended).
4. Remove bolts attaching front brake lines to frame.
5. Release ABS wires from frame (Image 1).



Image 1. ABS wire at frame

6. Ensure axle is horizontal (to unload sway bar) and detach sway bar end-links from axle (Image 2).



Image 2. Swaybar Link Detached

7. With axle supported, loosen and remove front shock lower mounting bolts. (Image 3)

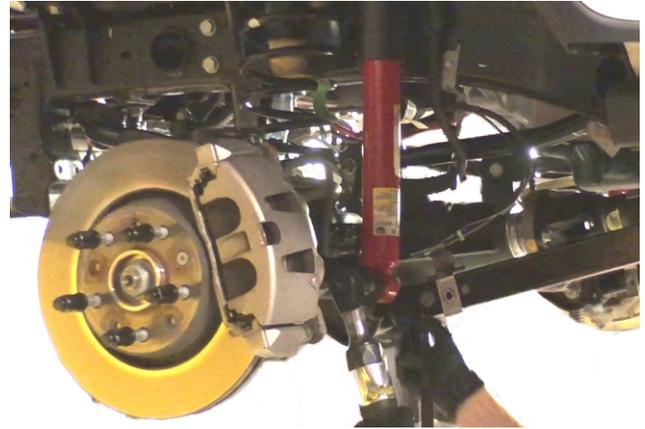


Image 3. Shock Absorber Bolt Removal

8. Slowly lower axle until springs are unloaded, DO NOT let front drive shaft contact cross member.
9. Remove front springs.
10. Remove original front jounce bumpers by grasping and pulling from jounce cups (Image 4).

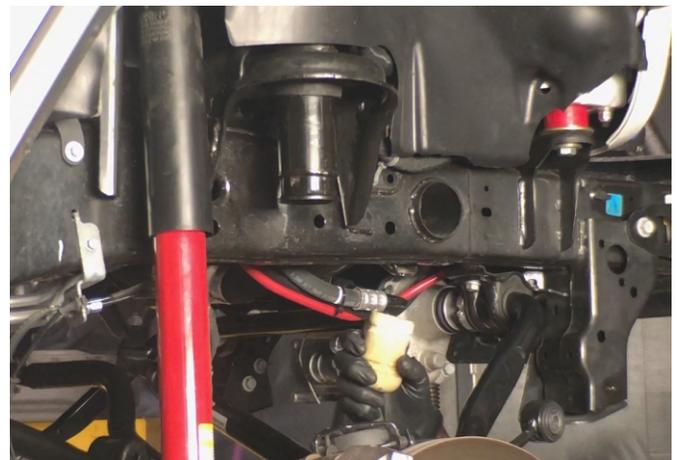


Image 4. Front Jounce Bumper Removal

11. Install new front jounce bumpers as follows: Insert bolt through jounce bumper, stack 1/4" thick washer on top, position nut above spring seat and hold in place using 18mm deep socket on 6" ratchet extension, turn bolt using 10mm allen on second ratchet extension (Image 5).



Image 5. Front Jounce Bumper Installation



Image 7. Front Jounce Spacer Installation

12. Hold nuts from turning with ratchet and tighten socket head cap screws from below. Torque to 40 ft.lbs (Image 6)



Image 6. Front Jounce Bumper Bolt Tightening

13. Install front jounce bumper spacers on axle by holding nut with 9/16 wrench and turning bump stop pad by hand. Finish tighten nuts with wrench. (Image 7)

14. Install front springs. Ensure that they are indexed correctly at spring seat insulator stops.
15. Evenly raise axle and re-attach of sway bar end-links and shocks.
16. Secure ABS sensor wires and brake line brackets.
17. Torque fasteners to vehicle manufacturer's specified values.
18. Install wheels and lug nuts.
19. If using jack stands, raise vehicle and remove jack stands.
20. Lower vehicle to ground.
21. Torque wheel nuts to specified value and remove tire chocks.

REAR

22. Prepare Vehicle for Work:
- If using jack stands: Chock front tires. Jack rear of vehicle until rear wheels are off ground and support at frame with jack stands.
 - If using vehicle lift: Lift vehicle at frame and ensure lift does not inhibit suspension motion.
23. Remove rear lug nuts and wheels.
24. Remove O.E. jounce bumpers.
25. Install new jounce bumpers by pressing into cups. (Image 8).

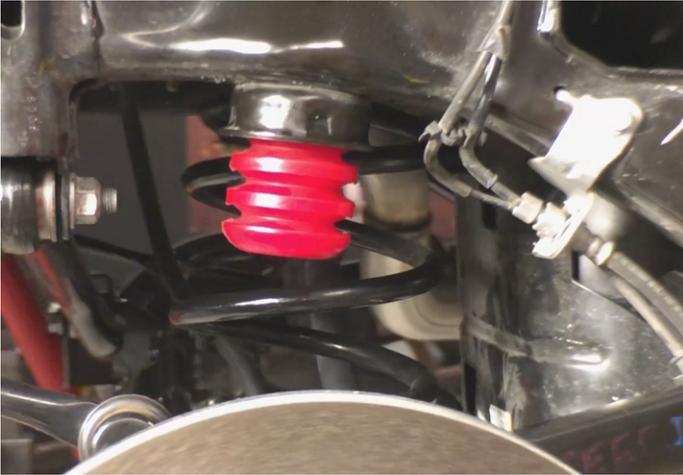


Image 8. Rear Jounce Bumper in Jounce Cup

26. Install jounce bumper spacers on rear axle with bolts, washers, sleeves and nuts. (Image 9)
See page 1 for hardware location.



Image 9. Jounce Bumper Spacer Installation

27. Install wheels and lug nuts.
28. If using jack stands, raise vehicle and remove jack stands.
29. Lower vehicle to ground.
30. Torque wheel nuts to specified value and remove tire chocks.
31. After 500 miles, re-torque fasteners.
NOTE: Energy Suspension recommends the use of shock extensions or longer shocks with this product set.

Safety Warning and Liability Waiver

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.