

Spring Removal / Replacement

This is not a complete lift installation write up, but simply a spring removal/replacement order to simplify changing coil springs in the Wrangler. It does not cover bump stop installation or other hardware that may be in a lift kit.

Front Springs

- 1 Remove air filter and air filter box for access to upper shock on passenger side.
- 2 Unbolt the tops of both front shocks.

Note: If you are not removing the shocks, steps 1 & 2 can be eliminated.



- 3 Make sure Jeep is in gear/park and e-brake set.
- 4 Jack up Jeep as high as possible from front axle and place 6 ton jack stands on frame directly behind lower control arm mounts.
- 5 Remove tires/wheels.
- 6 Lower jack so that weight of Jeep is securely on jack stands, but jack is still supporting the weight of the front axle.



- 7 Loosen, but do not remove all upper and lower control arm bolts. (If your Jeep has aftermarket control arms with either Johnny Joints or Duroflex Joints you do not need to loosen the control arm bolts).
- 8 Unbolt lower shock bolts, and remove shocks.
- 9 Unbolt and remove the coil spring retainer clip on the driver's side spring perch.
- 10 Loosen axle side track bar bolt. (Remove if changing track bar)
- 11 Unbolt both sway bar links at the axle.



- 12 Remove jack and place it under the passenger side steering knuckle.
- 13 Jack up the passenger side steering knuckle to a point just short of it lifting the Jeep off the jack stand.



- 14 Remove the driver's side spring between the sway bar link bracket and the steering knuckle. You may need to use a small pry bar to get it started, but then it will screw right out.



- 15 Move the jack to the driver's side and repeat the process to get the passenger side spring out.
- 16 Install new springs/lift in the reverse order starting with the passenger side first, and finishing with the driver's side.
- 17 Once everything is reinstalled, put weight on the front axle (either put tires and wheels on and put it on the ground or move the jack stands to under the front axle) and re-torque control arm bolts, and (re-adjust/install) track bar and re-torque track bar bolt.

Rear Springs:

- 1 Make sure the fronts of the front tires are blocked/chaulked.
- 2 Jack the rear of the Jeep up from the rear differential to a point where you can place 6 ton jack stands under the frame just in front of the lower control arm brackets.
- 3 Place the jack stands and lower the jack to where the weight of the Jeep is on the stands and still on the jack.
- 4 Recheck the front tire blocks and make sure they are tight against the front tires.
- 5 Lower the jack , but leave the axle weight on it.
- 6 Remove rear wheels/tires.
- 7 Loosen, but do not remove all upper and lower control arm bolts (If your Jeep has aftermarket control arms with either Johnny Joints or Duroflex Joints you do not need to loosen the control arm bolts).
- 8 Loosen, but do not remove both ends of the track bar bolts.

- 9 Disconnect both sway bar links from the sway bar.
- 10 Disconnect both rear shocks at the axle. (If replacing shocks, remove them completely).
- 11 Remove jack from differential and place it under the driver's side lower control arm mount on the axle and jack up the driver's side of the axle to a point just short of lifting the Jeep off the jack stand.
- 12 Remove the passenger side spring, At this point the passenger side spring should be loose enough to simply pull out by hand.
- 13 Release the jack, and place it under the passenger side axle lower control arm mount and repeat the process.
- 14 Remove the driver's side spring.
- 15 Install in the reverse order, starting by installing the driver's side spring first and finishing with the passenger side.
- 16 Reinstall shocks and sway bar links
- 17 NOTE: If you still have the torx head axle end track bar bolt you may need to retighten and re-torque it before raising the axle above the gas tank.
- 18 Jack Jeep up from the differential and remove the jack stands from under the frame and place them under the rear axle.
- 19 Lower the jack so that the full weight of the rear of the Jeep is on the rear axle
- 20 Tighten and re-torque all control arm bolts and track bar bolts.
- 21 Reinstall wheels
- 22 Put the Jeep on the ground...you're done..!