Fox 2.0 Adjustable Coilovers (Par# 983-02-052-2)
Installation on a 2013 F-150 (2WD)

This guide is for the install of the Fox 2.0 adjustable leveling struts on a 2013 F-150 2WD, these are being installed at the preset 2" lift height but are adjustable with the optional spanner wrench for questions about adjustment please contact Fox or Stage 3 Motorsports.

Difficulty:

Moderate

Install Time:

1-2 hours with experience and proper tools

3-5 hours for first timers

Tools Needed:

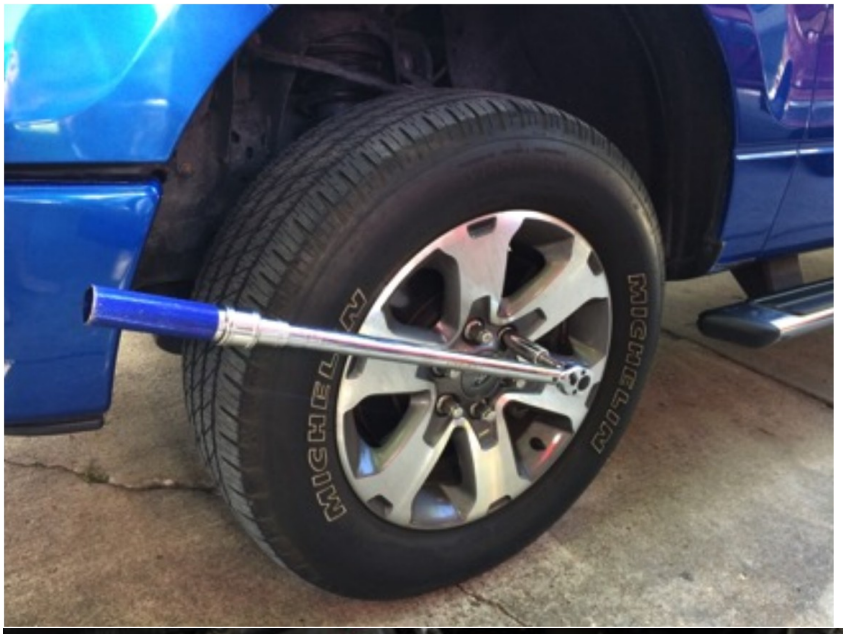
- Floor Jack (3 Ton + recommended)
- Jack Stands (3 Ton +)
- Torque Wrench (250 ft.-lbs. capacity or more)
- 1/2 inch driver
- 3/8 in driver
- 30mm 1/2in deep socket or wrench
- 27mm 1/2in socket or wrench
- 24mm 1/2in socket
- 21mm 1/2in Deep socket
- 18mm 1/2in Deep socket
- 17mm 3/8in socket or 17mm wrench
- 10mm 3/8 in socket
- 15/16in 1/2in socket
- Large mallet
- Adjustable wrench

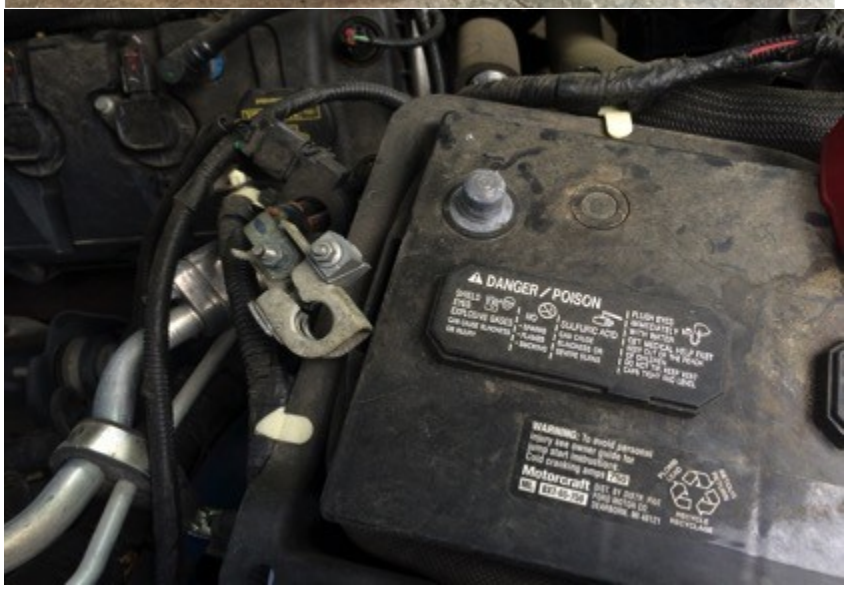
Optional tools: (To make life easier)

- Impact Wrench
- Air Tools
- Breaker bar
- Several Friends

Step1:

Start by using either a tire iron, breaker bar, or torque wrench to loosen the lug nuts on the wheels. Be sure not to completely remove them just loosen. Next, using an 8mm socket disconnect your negative battery cable so as not to cause any issues with the power steering . Now put your floor jack under the truck and raise the vehicle up off the ground, be sure to raise it high enough so the wheels can spin freely. Note: when the new coilovers are installed, the wheel hub will sit lower than when initially raised and this can cause the tire to not be able to put back on so lift the truck an additional few inches to account for this.



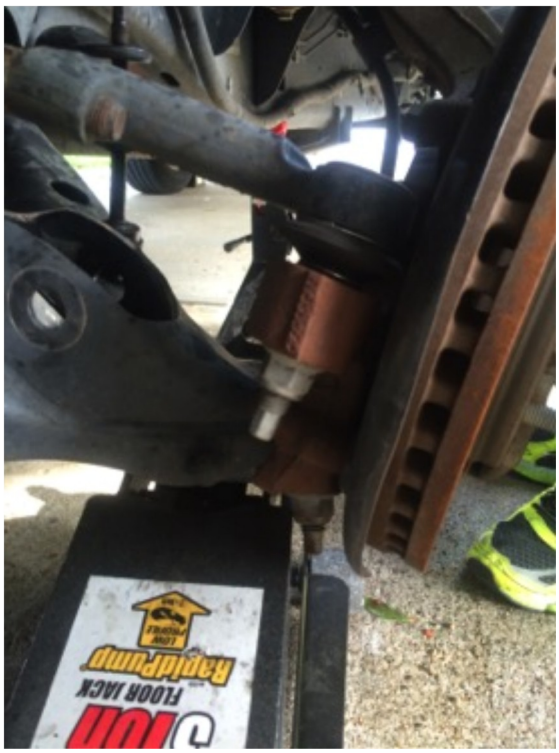


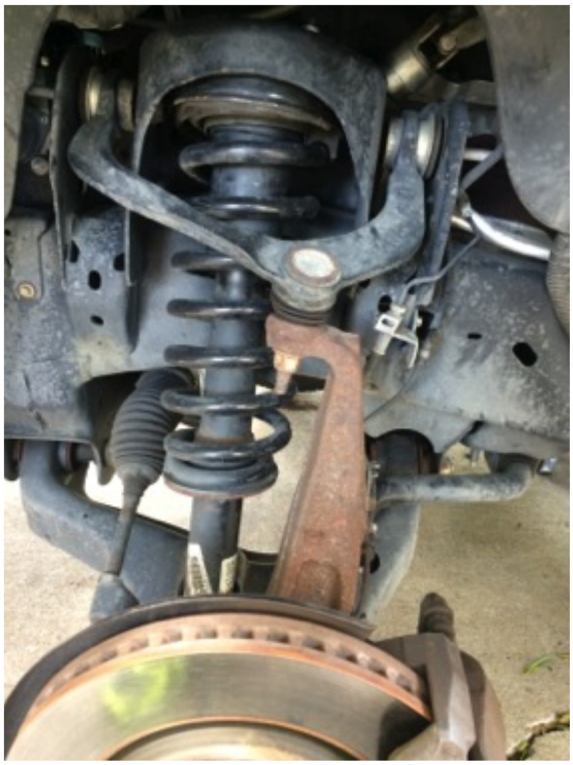
Step 2:

Now, place your jack stands under the body frame at the arrows that ford has cut to signify where the stand should be placed, once in place lower the truck onto the stands

Step 3:

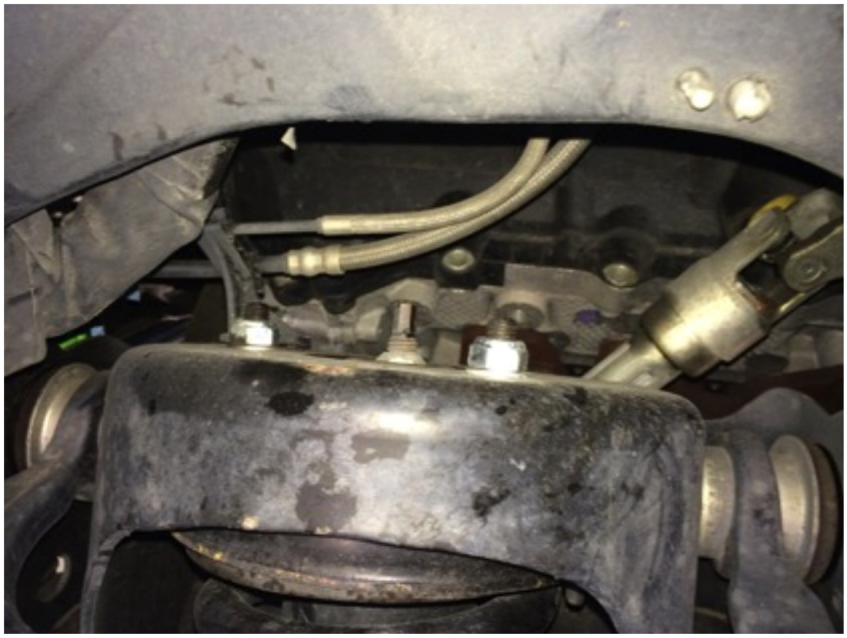
Now, remove the lug nuts on the wheel and remove it from the truck. After doing so, take your floor jack and place it under the lower control arm and raise it just to where it is supporting the arm and not lifting it, this will be needed later.





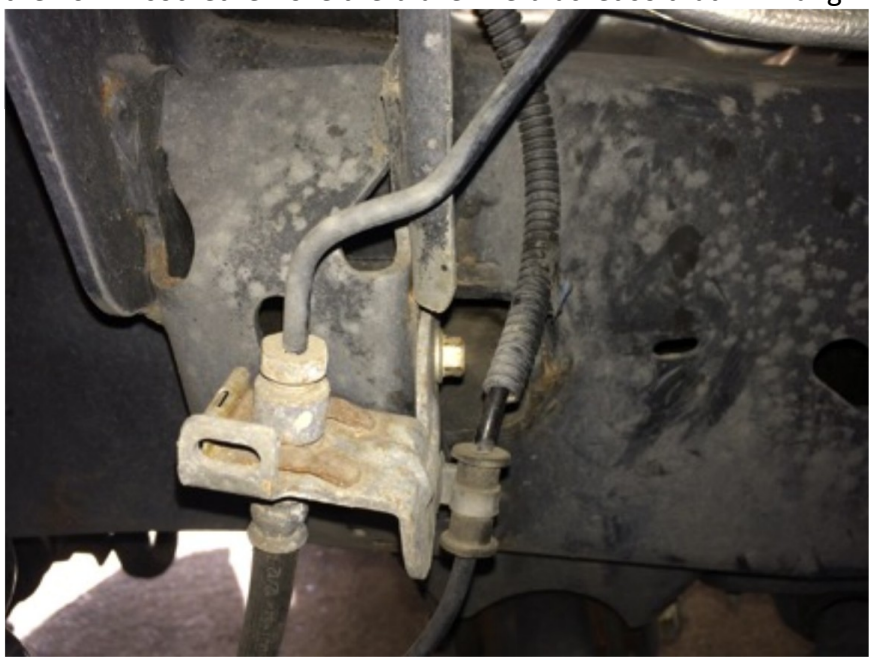
Step 4:

Using the 17mm wrench or socket remove the 3 upper strut nuts, WARNING: do not remove the center strut nut it is under a lot of pressure and does not need to be loosened or removed only remove the 3 nuts around the center!



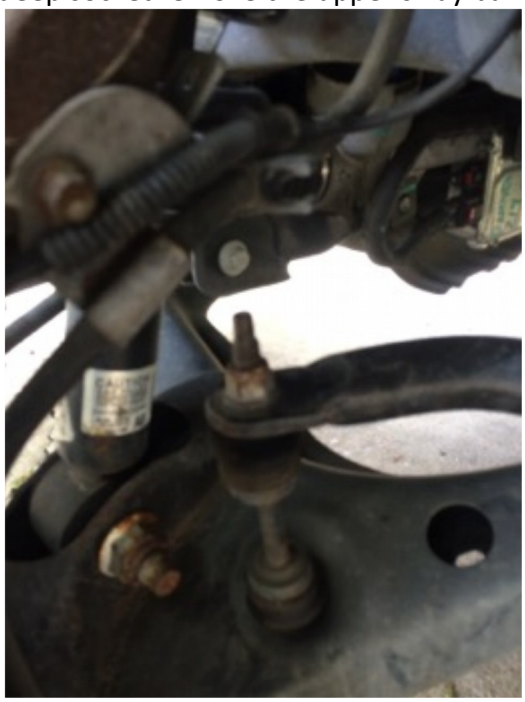
Step 5:

Using the 10mm socket remove the brake line bracket so that will hang free



Step 6:

Using an 18mm deep socket remove the upper sway bar link nut

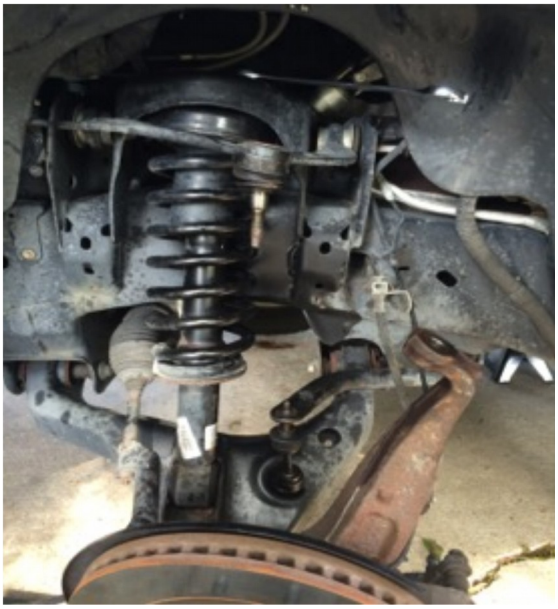


Step 7:

Using either a 30mm deep socket 30mm wrench or adjustable wrench, hold the lower strut nut and using a 27mm socket and torque wrench (or breaker bar) loosen and remove the lower strut nut leaving the bolt in place for now.

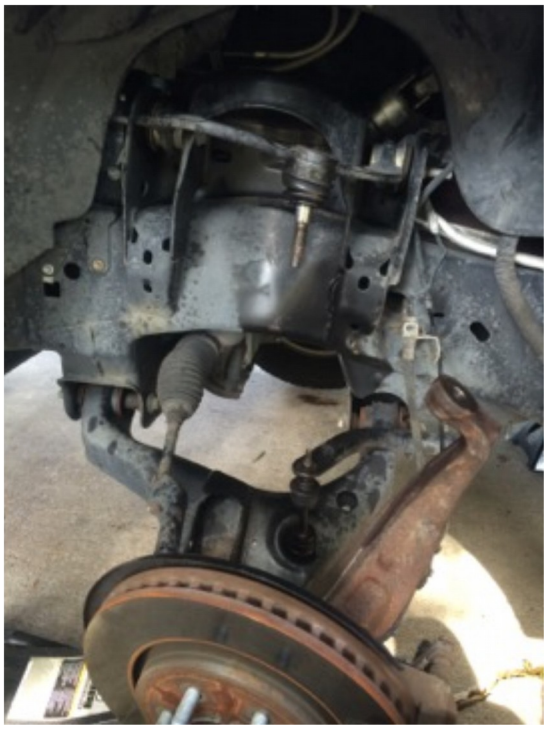
Step 8:

Using the 21mm deep socket and torque wrench (or breaker bar) loosen the upper ball joint nut until it is at the end of the bolt but don't remove the nut, be sure the floor jack is still supporting the lower control arm so it does not fall when upper ball joint is removed. Once the ball joint nut is loosened use a mallet to strike the spindle arm a few times until the upper control arm is released it should only take 2-3 good hits. Once the ball joint is released push the upper control arm down and remove the nut so the ball joint can separate from the spindle



Step 9:

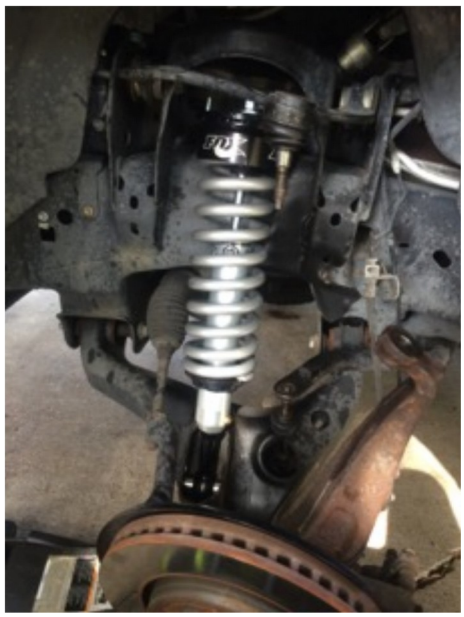
Now lower the floor jack so that the upper control arm lowers enough to remove the factory strut. Remove the lower strut bolt and remove the entire assembly.



Step 10:

Now place the new Fox 2.0 leveling strut in place of the factory strut. It may be easier to place the strut in top first and them slide the bottom into place, insert the new lower strut bolt and hand tighten the lower strut nut but do not torque down yet. You will need a 15/16 in socket for the new bolt and a 24mm socket for the nut, be sure that the washers are seating in the holes before tightening.

Next using the floor jack raise the lower control arm to raise the strut into the top shock mount be sure the upper strut bolts align with the holes. Now using the new 17mm locking nuts tighten the top 3 strut bolts.

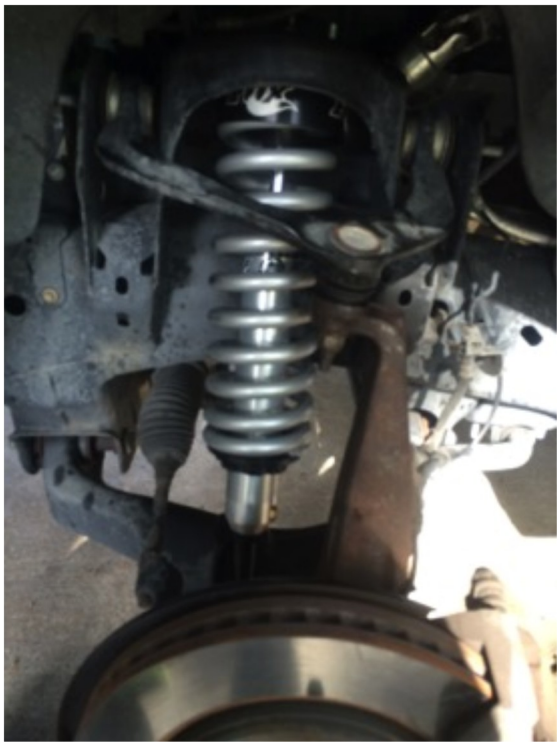


Step 11:

Now raise the floor jack so that the weight of the truck is on the new strut. Using a torque wrench torque down the lower strut nut and upper strut nuts to factory specifications.

Step 12:

Next replace the upper ball joint into the spindle and tighten the upper ball joint nut. You may need a second person to use a pry bar the push down the upper control arm enough to tighten the bolt. Using a torque wrench torque the upper ball joint nut to factory specifications.



Step 13:

Using an 18mm socket and torque wrench tighten the upper sway bar link and torque down to factory specifications.

Step 14:

Using the 10 mm socket tighten the brake line bracket

Step 15:

Recheck that all nuts and bolts are torqued down properly

Step 16:

Now reinstall your wheel and hand tighten the lug nuts with a tire iron or 21mm socket, Note: be sure to tighten the lug nuts in a star pattern and not in a circle to ensure the wheel is evenly seated

Step 17:

Now repeat all these steps on the opposite side

Step 18:

Once both sides are complete raise the truck with the floor jack and remove the jack stands, now lower the vehicle to the ground and using the torque wrench with the weight of the truck on the wheels torque the lug nuts to factory specifications.